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

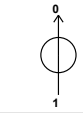
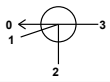
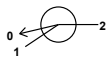
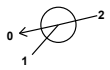
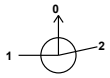
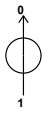
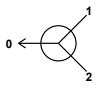
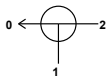
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Manhole Schedule

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	FSR	Analysis Speed	Detailed
Rainfall Events	Singular	Skip Steady State	x
FSR Region	England and Wales	Drain Down Time (mins)	1440
M5-60 (mm)	19.000	Additional Storage (m³/ha)	20.0
Ratio-R	0.420	Starting Level (m)	
Summer CV	0.750	Check Discharge Rate(s)	x
Winter CV	0.840	Check Discharge Volume	x

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)	50	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)	51	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)	48	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)	46	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)	72	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)	76	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)	72	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)	74	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)	60	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)	74	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)	74	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)	55	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)	37	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)	14	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)	14	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)	21	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)	17	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)	9	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	105.525	29.860	30 year 120 minute winter	44.138	17.557
1 year 15 minute winter	74.052	29.860	30 year 180 minute summer	50.139	12.902
1 year 30 minute summer	68.120	19.275	30 year 180 minute winter	32.591	12.902
1 year 30 minute winter	47.803	19.275	30 year 240 minute summer	39.089	10.330
1 year 60 minute summer	45.726	12.084	30 year 240 minute winter	25.970	10.330
1 year 60 minute winter	30.379	12.084	30 year 360 minute summer	29.190	7.512
1 year 120 minute summer	28.067	7.417	30 year 360 minute winter	18.974	7.512
1 year 120 minute winter	18.647	7.417	30 year 480 minute summer	22.671	5.991
1 year 180 minute summer	21.555	5.547	30 year 480 minute winter	15.062	5.991
1 year 180 minute winter	14.011	5.547	30 year 600 minute summer	18.372	5.025
1 year 240 minute summer	17.057	4.508	30 year 600 minute winter	12.553	5.025
1 year 240 minute winter	11.333	4.508	30 year 720 minute summer	16.235	4.351
1 year 360 minute summer	13.066	3.362	30 year 720 minute winter	10.911	4.351
1 year 360 minute winter	8.493	3.362	30 year 960 minute summer	13.158	3.465
1 year 480 minute summer	10.277	2.716	30 year 960 minute winter	8.716	3.465
1 year 480 minute winter	6.828	2.716	30 year 1440 minute summer	9.368	2.511
1 year 600 minute summer	8.407	2.300	30 year 1440 minute winter	6.296	2.511
1 year 600 minute winter	5.744	2.300	30 year 2160 minute summer	6.577	1.818
1 year 720 minute summer	7.489	2.007	30 year 2160 minute winter	4.532	1.818
1 year 720 minute winter	5.033	2.007	30 year 2880 minute summer	5.389	1.444
1 year 960 minute summer	6.151	1.620	30 year 2880 minute winter	3.622	1.444
1 year 960 minute winter	4.074	1.620	30 year 4320 minute summer	3.993	1.044
1 year 1440 minute summer	4.467	1.197	30 year 4320 minute winter	2.629	1.044
1 year 1440 minute winter	3.002	1.197	30 year 5760 minute summer	3.237	0.829
1 year 2160 minute summer	3.204	0.886	30 year 5760 minute winter	2.095	0.829
1 year 2160 minute winter	2.208	0.886	30 year 7200 minute summer	2.714	0.692
1 year 2880 minute summer	2.669	0.715	30 year 7200 minute winter	1.752	0.692
1 year 2880 minute winter	1.793	0.715	30 year 8640 minute summer	2.344	0.598
1 year 4320 minute summer	2.023	0.529	30 year 8640 minute winter	1.513	0.598
1 year 4320 minute winter	1.332	0.529	30 year 10080 minute summer	2.070	0.528
1 year 5760 minute summer	1.667	0.427	30 year 10080 minute winter	1.336	0.528
1 year 5760 minute winter	1.079	0.427	100 year +20% CC 15 minute summer	402.408	113.868
1 year 7200 minute summer	1.417	0.361	100 year +20% CC 15 minute winter	282.392	113.868
1 year 7200 minute winter	0.914	0.361	100 year +20% CC 30 minute summer	262.264	74.212
1 year 8640 minute summer	1.237	0.316	100 year +20% CC 30 minute winter	184.045	74.212
1 year 8640 minute winter	0.799	0.316	100 year +20% CC 60 minute summer	174.427	46.096
1 year 10080 minute summer	1.103	0.281	100 year +20% CC 60 minute winter	115.885	46.096
1 year 10080 minute winter	0.712	0.281	100 year +20% CC 120 minute summer	104.848	27.708
30 year 15 minute summer	258.728	73.211	100 year +20% CC 120 minute winter	69.658	27.708
30 year 15 minute winter	181.564	73.211	100 year +20% CC 180 minute summer	78.988	20.326
30 year 30 minute summer	167.191	47.309	100 year +20% CC 180 minute winter	51.344	20.326
30 year 30 minute winter	117.327	47.309	100 year +20% CC 240 minute summer	61.423	16.232
30 year 60 minute summer	110.635	29.238	100 year +20% CC 240 minute winter	40.808	16.232
30 year 60 minute winter	73.503	29.238	100 year +20% CC 360 minute summer	45.600	11.735
30 year 120 minute summer	66.436	17.557	100 year +20% CC 360 minute winter	29.641	11.735

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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	35.288	9.326	100 year +40% CC 120 minute winter	81.268	32.326
100 year +20% CC 480 minute winter	23.445	9.326	100 year +40% CC 180 minute summer	92.153	23.714
100 year +20% CC 600 minute summer	28.514	7.799	100 year +40% CC 180 minute winter	59.902	23.714
100 year +20% CC 600 minute winter	19.482	7.799	100 year +40% CC 240 minute summer	71.660	18.938
100 year +20% CC 720 minute summer	25.136	6.737	100 year +40% CC 240 minute winter	47.609	18.938
100 year +20% CC 720 minute winter	16.893	6.737	100 year +40% CC 360 minute summer	53.200	13.690
100 year +20% CC 960 minute summer	20.290	5.343	100 year +40% CC 360 minute winter	34.582	13.690
100 year +20% CC 960 minute winter	13.441	5.343	100 year +40% CC 480 minute summer	41.170	10.880
100 year +20% CC 1440 minute summer	14.360	3.849	100 year +40% CC 480 minute winter	27.352	10.880
100 year +20% CC 1440 minute winter	9.651	3.849	100 year +40% CC 600 minute summer	33.266	9.099
100 year +20% CC 2160 minute summer	10.016	2.768	100 year +40% CC 600 minute winter	22.729	9.099
100 year +20% CC 2160 minute winter	6.901	2.768	100 year +40% CC 720 minute summer	29.325	7.859
100 year +20% CC 2880 minute summer	8.168	2.189	100 year +40% CC 720 minute winter	19.708	7.859
100 year +20% CC 2880 minute winter	5.489	2.189	100 year +40% CC 960 minute summer	23.672	6.233
100 year +20% CC 4320 minute summer	6.007	1.571	100 year +40% CC 960 minute winter	15.681	6.233
100 year +20% CC 4320 minute winter	3.956	1.571	100 year +40% CC 1440 minute summer	16.753	4.490
100 year +20% CC 5760 minute summer	4.843	1.240	100 year +40% CC 1440 minute winter	11.259	4.490
100 year +20% CC 5760 minute winter	3.135	1.240	100 year +40% CC 2160 minute summer	11.685	3.229
100 year +20% CC 7200 minute summer	4.044	1.032	100 year +40% CC 2160 minute winter	8.052	3.229
100 year +20% CC 7200 minute winter	2.610	1.032	100 year +40% CC 2880 minute summer	9.529	2.554
100 year +20% CC 8640 minute summer	3.479	0.887	100 year +40% CC 2880 minute winter	6.404	2.554
100 year +20% CC 8640 minute winter	2.245	0.887	100 year +40% CC 4320 minute summer	7.008	1.832
100 year +20% CC 10080 minute summer	3.062	0.781	100 year +40% CC 4320 minute winter	4.615	1.832
100 year +20% CC 10080 minute winter	1.976	0.781	100 year +40% CC 5760 minute summer	5.651	1.447
100 year +40% CC 15 minute summer	469.476	132.846	100 year +40% CC 5760 minute winter	3.657	1.447
100 year +40% CC 15 minute winter	329.457	132.846	100 year +40% CC 7200 minute summer	4.718	1.204
100 year +40% CC 30 minute summer	305.975	86.580	100 year +40% CC 7200 minute winter	3.045	1.204
100 year +40% CC 30 minute winter	214.719	86.580	100 year +40% CC 8640 minute summer	4.058	1.035
100 year +40% CC 60 minute summer	203.498	53.779	100 year +40% CC 8640 minute winter	2.619	1.035
100 year +40% CC 60 minute winter	135.199	53.779	100 year +40% CC 10080 minute summer	3.573	0.911
100 year +40% CC 120 minute summer	122.322	32.326	100 year +40% CC 10080 minute winter	2.306	0.911

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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
60 minute winter	S26	51	-0.046	0.192	2.3	0.3384	0.0000	OK
60 minute winter	S25	51	-0.046	0.198	2.1	0.5027	0.0000	OK
60 minute winter	S16	51	-0.047	0.220	12.2	0.9768	0.0000	OK
60 minute winter	S145	50	-0.049	0.266	20.3	1.1465	0.0000	OK
60 minute winter	S4	51	-0.047	0.196	5.0	0.3469	0.0000	OK
60 minute winter	S5	52	-0.048	0.236	11.5	0.4177	0.0000	OK
60 minute winter	S9	52	-0.048	0.248	3.1	0.5713	0.0000	OK
60 minute winter	S10	52	-0.048	0.273	3.8	0.4816	0.0000	OK
60 minute winter	S11	52	-0.049	0.277	15.8	0.4903	0.0000	OK
60 minute winter	S12	53	-0.049	0.286	17.9	0.5054	0.0000	OK
60 minute winter	S1	54	-0.048	0.216	4.4	0.5093	0.0000	OK
60 minute winter	S3	55	-0.049	0.258	9.2	0.8267	0.0000	OK
60 minute winter	S2	53	-0.049	0.287	7.7	0.5066	0.0000	OK
60 minute winter	S14	54	-0.049	0.260	3.7	0.4596	0.0000	OK
60 minute winter	S15	53	-0.049	0.297	26.6	1.3347	0.0000	OK
60 minute winter	S75	53	-0.051	0.311	32.3	0.7903	0.0000	OK
60 minute winter	S87	50	-0.057	0.229	8.1	0.7444	0.0000	OK
60 minute winter	S88	50	-0.057	0.251	14.8	0.8198	0.0000	OK
60 minute winter	S89	50	-0.057	0.273	20.1	0.8858	0.0000	OK
60 minute winter	S90	50	-0.057	0.295	25.1	0.9400	0.0000	OK
60 minute winter	S92	52	-0.057	0.322	41.4	0.8193	0.0000	OK
60 minute winter	S81	53	-0.064	0.238	8.1	0.7680	0.0000	OK
60 minute winter	S82	52	-0.064	0.260	14.6	0.8435	0.0000	OK
60 minute winter	S83	52	-0.064	0.281	19.6	0.9062	0.0000	OK
60 minute winter	S84	52	-0.064	0.303	24.2	0.9597	0.0000	OK
60 minute winter	S86	52	-0.065	0.328	47.0	0.8354	0.0000	OK
60 minute winter	S76	53	-0.074	0.243	8.1	0.7815	0.0000	OK
60 minute winter	S77	53	-0.074	0.265	14.5	0.8564	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	S26	1.000	S16	1.6	0.035	0.023	4.1049	
60 minute winter	S25	2.000	S16	1.4	-0.042	0.020	3.3365	
60 minute winter	S16	1.001	S145	8.1	0.162	0.113	8.2736	
60 minute winter	S145	1.002	S75	16.1	0.245	0.229	10.1455	
60 minute winter	S4	3.000	S5	3.0	0.113	0.043	6.2312	
60 minute winter	S5	3.001	S11	-8.0	-0.147	-0.112	7.7325	
60 minute winter	S9	4.000	S10	1.3	0.163	0.018	4.8337	
60 minute winter	S10	4.001	S11	-3.8	0.177	-0.051	0.8827	
60 minute winter	S11	3.002	S12	-15.8	-0.243	-0.224	1.8939	
60 minute winter	S12	3.003	S15	-16.6	-0.233	-0.241	2.5232	
60 minute winter	S1	5.000	S3	4.2	0.130	0.060	7.2248	
60 minute winter	S3	5.001	S2	6.4	0.216	0.090	5.8147	
60 minute winter	S2	5.002	S15	8.0	0.157	0.118	2.3435	
60 minute winter	S14	6.000	S15	-3.7	-0.152	-0.053	7.7032	
60 minute winter	S15	3.004	S75	18.8	0.207	0.263	3.5647	
60 minute winter	S75	1.003	S92	31.5	0.284	0.442	4.0096	
60 minute winter	S87	7.000	S88	6.5	0.160	0.091	3.7379	
60 minute winter	S88	7.001	S89	11.9	0.211	0.167	4.1607	
60 minute winter	S89	7.002	S90	17.2	0.260	0.241	4.5759	
60 minute winter	S90	7.003	S92	21.5	0.294	0.305	6.3124	
60 minute winter	S92	1.005	S86	41.0	0.336	0.577	3.4126	
60 minute winter	S81	8.000	S82	6.3	0.159	0.088	3.8997	
60 minute winter	S82	8.001	S83	11.4	0.197	0.163	4.3118	
60 minute winter	S83	8.002	S84	16.3	0.231	0.229	4.7143	
60 minute winter	S84	8.003	S86	20.7	0.288	0.291	6.1368	
60 minute winter	S86	1.006	S30	46.8	0.376	0.659	3.4749	
60 minute winter	S76	9.000	S77	6.2	0.160	0.087	4.0000	
60 minute winter	S77	9.001	S78	11.1	0.192	0.155	4.4166	

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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
60 minute winter	S78	52	-0.074	0.287	19.3	0.9216	0.0000	OK
60 minute winter	S79	52	-0.074	0.308	23.7	0.9714	0.0000	OK
60 minute winter	S30	52	-0.075	0.332	53.7	0.8453	0.0000	OK
60 minute winter	S31	53	-0.089	0.247	8.7	0.8178	0.0000	OK
60 minute winter	S32	53	-0.089	0.290	12.0	0.8949	0.0000	OK
60 minute winter	S33	52	-0.089	0.334	57.5	0.8489	0.0000	OK
60 minute winter	S34	52	-0.107	0.332	59.7	0.5872	0.0000	OK
60 minute winter	S35	52	-0.134	0.332	60.1	0.5869	0.0000	OK
60 minute winter	S36	53	-0.145	0.297	3.4	0.5249	0.0000	OK
60 minute winter	S37	52	-0.145	0.326	67.0	1.6030	0.0000	OK
120 minute winter	S38	90	-0.199	0.317	65.0	0.5605	0.0000	OK
120 minute winter	S39	90	-0.257	0.305	64.6	0.5381	0.0000	OK
120 minute winter	S56	92	-0.272	0.287	0.7	0.5072	0.0000	OK
120 minute winter	S57	92	-0.272	0.293	64.5	0.7458	0.0000	OK
120 minute winter	S125	92	-0.304	0.251	1.9	0.4438	0.0000	OK
120 minute winter	S127	92	-0.304	0.275	64.4	0.7002	0.0000	OK
120 minute winter	S119	92	-0.347	0.222	1.6	0.3919	0.0000	OK
120 minute winter	S60	92	-0.347	0.246	64.2	0.6255	0.0000	OK
5760 minute winter	Pond Inlet 1	7140	-0.388	0.222	8.6	0.3930	0.0000	OK
5760 minute winter	Pond Outlet	7200	-0.388	0.222	4.4	0.2516	0.0000	OK
5760 minute winter	S13	6180	-0.388	0.250	0.1	0.8677	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	0.535	0.035	2.6	1.1104	0.0000	OK
30 minute winter	PP-S25	27	0.529	0.029	2.3	0.7448	0.0000	OK
30 minute winter	PP-S16	27	0.536	0.036	4.1	1.2106	0.0000	OK
30 minute winter	PP-S145	27	0.535	0.035	4.7	1.2208	0.0000	OK
30 minute winter	PP-S4	28	0.537	0.037	3.7	1.2375	0.0000	OK
60 minute winter	PP-S1	52	0.534	0.034	7.9	8.4534	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	S78	9.002	S79	15.8	0.225	0.226	4.8164	
60 minute winter	S79	9.003	S30	20.0	0.284	0.278	5.8457	
60 minute winter	S30	1.007	S33	53.4	0.483	0.750	3.9839	
60 minute winter	S31	10.000	S32	4.4	0.192	0.062	8.4988	
60 minute winter	S32	10.001	S33	4.9	0.225	0.068	10.0926	
60 minute winter	S33	1.008	S34	57.7	0.472	0.818	4.0564	
60 minute winter	S34	1.009	S35	59.7	0.476	0.841	6.7398	
60 minute winter	S35	1.010	S37	60.1	0.484	0.904	1.4072	
60 minute winter	S36	11.000	S37	2.2	-0.083	0.031	6.7339	
60 minute winter	S37	1.011	S38	65.6	0.574	0.928	10.9581	
120 minute winter	S38	1.012	S39	64.6	0.557	0.904	10.5629	
120 minute winter	S39	1.013	S57	64.5	0.580	1.017	0.8330	
120 minute winter	S56	12.011	S57	-0.7	-0.171	-0.010	1.4073	
120 minute winter	S57	1.014	S127	64.4	0.613	0.910	2.9596	
120 minute winter	S125	21.003	S127	-1.9	-0.164	-0.028	4.7469	
120 minute winter	S127	1.015	S60	64.2	0.677	0.902	2.6316	
120 minute winter	S119	22.003	S60	-1.6	-0.147	-0.023	4.1021	
120 minute winter	S60	1.016	Pond Inlet 1	64.2	0.877	0.847	2.1862	
5760 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	4.3	0.007	0.000	1154.4600	
5760 minute winter	Pond Outlet	1.018	S13	0.1	0.063	0.001	0.4034	
5760 minute winter	S13	Pump	Final Outfall	0.0				0.0
30 minute winter	PP-S26	1.000_1	S26	1.9	0.506	0.050	0.0381	
30 minute winter	PP-S25	2.000_1	S25	1.9	0.662	0.033	0.0145	
30 minute winter	PP-S16	3.000_1	S16	3.5	0.884	0.052	0.0199	
30 minute winter	PP-S145	4.000_2	S145	4.2	1.090	0.050	0.0193	
30 minute winter	PP-S4	1.000_2	S4	3.1	0.756	0.054	0.0204	
60 minute winter	PP-S1	4.000_1	S1	3.0	0.838	0.046	0.0182	

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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	0.540	0.040	5.5	1.6325	0.0000	OK
30 minute winter	PP-S12	28	0.522	0.022	2.0	0.6685	0.0000	OK
120 minute winter	PP-S14	84	0.505	0.005	0.1	0.1238	0.0000	OK
30 minute winter	PP-S2	29	0.524	0.024	2.9	1.2950	0.0000	OK
30 minute winter	PP-S15	26	0.524	0.024	2.3	0.5502	0.0000	OK
30 minute winter	PP-S75	27	0.522	0.022	2.2	0.5829	0.0000	OK
30 minute winter	PP-S24	27	0.534	0.034	5.5	1.4446	0.0000	OK
30 minute winter	PP-S30	26	0.521	0.021	2.1	0.5214	0.0000	OK
30 minute winter	PP-S33	26	0.522	0.022	2.4	0.4968	0.0000	OK
30 minute winter	PP-S34	27	0.530	0.030	4.7	1.2131	0.0000	OK
30 minute winter	PP-S35	26	0.512	0.012	0.7	0.1779	0.0000	OK
30 minute winter	PP-S36	26	0.527	0.027	3.6	0.7530	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	4.7	1.026	0.064	0.0230	
30 minute winter	PP-S12	8.000_1	S12	1.7	0.880	0.019	0.0096	
120 minute winter	PP-S14	11.000_1	S14	0.1	0.344	0.001	0.0010	
30 minute winter	PP-S2	10.000_1	S2	2.1	0.944	0.023	0.0113	
30 minute winter	PP-S15	12.000_1	S15	2.1	0.959	0.022	0.0108	
30 minute winter	PP-S75	13.000_1	S75	2.0	0.976	0.020	0.0101	
30 minute winter	PP-S24	14.000_1	S92	4.9	1.306	0.048	0.0187	
30 minute winter	PP-S30	18.000_1	S30	1.9	1.044	0.017	0.0089	
30 minute winter	PP-S33	20.000_1	S33	2.2	1.121	0.020	0.0100	
30 minute winter	PP-S34	21.000_1	S34	4.2	1.384	0.036	0.0152	
30 minute winter	PP-S35	22.000_2	S35	0.7	0.819	0.005	0.0040	
30 minute winter	PP-S36	23.000_2	S36	3.4	1.302	0.028	0.0130	

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Results for 30 year Critical Storm Duration. Lowest mass balance: 99.75%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	S26	65	0.647	0.885	14.5	1.5633	0.0000	SURCHARGED
60 minute summer	S25	54	0.630	0.874	19.4	2.2255	0.0000	SURCHARGED
60 minute winter	S16	61	0.629	0.896	65.9	3.9742	0.0000	SURCHARGED
120 minute winter	S145	94	0.645	0.960	41.1	4.1317	0.0000	SURCHARGED
120 minute winter	S4	98	0.641	0.884	16.3	1.5615	0.0000	SURCHARGED
60 minute winter	S5	55	0.635	0.919	42.6	1.6247	0.0000	SURCHARGED
30 minute winter	S9	23	0.709	1.005	16.1	2.3145	0.0000	SURCHARGED
30 minute winter	S10	23	0.637	0.958	24.0	1.6928	0.0000	SURCHARGED
60 minute winter	S11	59	0.628	0.954	69.0	1.6864	0.0000	SURCHARGED
60 minute winter	S12	59	0.618	0.953	75.2	1.6843	0.0000	SURCHARGED
60 minute winter	S1	61	0.641	0.905	24.6	2.1314	0.0000	SURCHARGED
60 minute winter	S3	62	0.623	0.930	38.8	2.9746	0.0000	SURCHARGED
60 minute winter	S2	52	0.617	0.953	38.7	1.6843	0.0000	SURCHARGED
60 minute winter	S14	48	0.615	0.924	30.3	1.6324	0.0000	SURCHARGED
120 minute winter	S15	94	0.619	0.965	63.7	4.3428	0.0000	SURCHARGED
120 minute winter	S75	94	0.622	0.984	93.9	2.5046	0.0000	SURCHARGED
60 minute winter	S87	38	0.698	0.984	19.6	3.1916	0.0000	SURCHARGED
60 minute winter	S88	38	0.693	1.001	37.3	3.2656	0.0000	SURCHARGED
60 minute winter	S89	38	0.667	0.997	51.7	3.2308	0.0000	SURCHARGED
60 minute winter	S90	38	0.650	1.002	63.1	3.1919	0.0000	SURCHARGED
60 minute winter	S92	39	0.623	1.002	117.4	2.5493	0.0000	SURCHARGED
60 minute winter	S81	38	0.685	0.987	19.6	3.1885	0.0000	SURCHARGED
60 minute winter	S82	38	0.687	1.011	34.3	3.2831	0.0000	SURCHARGED
60 minute winter	S83	39	0.673	1.018	46.4	3.2859	0.0000	SURCHARGED
60 minute winter	S84	38	0.662	1.029	64.7	3.2628	0.0000	SURCHARGED
60 minute winter	S86	38	0.631	1.024	116.4	2.6072	0.0000	SURCHARGED
60 minute winter	S76	39	0.670	0.987	19.6	3.1741	0.0000	SURCHARGED
60 minute winter	S77	39	0.667	1.006	39.1	3.2509	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	17.8	0.112	0.252	9.2005	
60 minute summer	S25	2.000	S16	-16.2	-0.105	-0.229	7.3393	
60 minute winter	S16	1.001	S145	-36.6	-0.231	-0.513	15.0038	
120 minute winter	S145	1.002	S75	43.2	0.273	0.612	15.0038	
120 minute winter	S4	3.000	S5	12.8	0.110	0.181	13.1095	
60 minute winter	S5	3.001	S11	-34.6	-0.221	-0.484	13.1095	
30 minute winter	S9	4.000	S10	20.5	0.287	0.292	8.0648	
30 minute winter	S10	4.001	S11	-24.0	0.404	-0.316	1.3780	
60 minute winter	S11	3.002	S12	-69.0	-0.436	-0.978	2.8740	
60 minute winter	S12	3.003	S15	-72.4	-0.457	-1.051	3.6838	
60 minute winter	S1	5.000	S3	23.4	0.148	0.329	13.5151	
60 minute winter	S3	5.001	S2	34.6	0.259	0.489	9.1848	
60 minute winter	S2	5.002	S15	33.6	0.212	0.493	3.4165	
60 minute winter	S14	6.000	S15	-30.3	-0.191	-0.431	11.8707	
120 minute winter	S15	3.004	S75	66.5	0.420	0.929	4.9661	
120 minute winter	S75	1.003	S92	94.9	0.599	1.334	5.3380	
60 minute winter	S87	7.000	S88	19.3	0.196	0.270	6.8747	
60 minute winter	S88	7.001	S89	33.7	0.233	0.472	6.8747	
60 minute winter	S89	7.002	S90	49.1	0.310	0.689	6.8747	
60 minute winter	S90	7.003	S92	64.9	0.410	0.921	8.6413	
60 minute winter	S92	1.005	S86	116.4	0.735	1.638	4.4095	
60 minute winter	S81	8.000	S82	19.4	0.195	0.272	6.8747	
60 minute winter	S82	8.001	S83	32.0	0.229	0.459	6.8747	
60 minute winter	S83	8.002	S84	50.8	0.320	0.712	6.8747	
60 minute winter	S84	8.003	S86	67.2	0.424	0.947	8.1975	
60 minute winter	S86	1.006	S30	116.7	0.736	1.643	4.4165	
60 minute winter	S76	9.000	S77	19.4	0.196	0.272	6.8747	
60 minute winter	S77	9.001	S78	35.1	0.230	0.491	6.8747	

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Results for 30 year Critical Storm Duration. Lowest mass balance: 99.75%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	S78	39	0.659	1.020	49.5	3.2776	0.0000	SURCHARGED
60 minute winter	S79	39	0.645	1.027	63.0	3.2434	0.0000	SURCHARGED
60 minute winter	S30	39	0.618	1.025	130.5	2.6085	0.0000	SURCHARGED
60 minute winter	S31	40	0.599	0.935	21.2	3.0972	0.0000	SURCHARGED
60 minute winter	S32	40	0.588	0.967	35.6	2.9850	0.0000	SURCHARGED
60 minute winter	S33	39	0.583	1.006	126.8	2.5606	0.0000	SURCHARGED
60 minute winter	S34	40	0.538	0.977	124.9	1.7255	0.0000	SURCHARGED
60 minute winter	S35	40	0.461	0.927	124.8	1.6382	0.0000	SURCHARGED
60 minute winter	S36	40	0.436	0.878	7.3	1.5517	0.0000	SURCHARGED
60 minute winter	S37	40	0.434	0.905	156.6	4.4472	0.0000	SURCHARGED
60 minute winter	S38	41	0.212	0.728	153.6	1.2869	0.0000	SURCHARGED
60 minute winter	S39	43	0.002	0.564	152.6	0.9974	0.0000	SURCHARGED
60 minute winter	S56	43	-0.035	0.524	2.7	0.9263	0.0000	SURCHARGED
60 minute winter	S57	43	-0.035	0.530	151.3	1.3492	0.0000	SURCHARGED
60 minute winter	S125	44	-0.115	0.440	7.7	0.7782	0.0000	OK
60 minute winter	S127	43	-0.114	0.465	149.6	1.1836	0.0000	SURCHARGED
10080 minute winter	S119	11280	-0.172	0.397	0.3	0.7009	0.0000	OK
10080 minute winter	S60	10080	-0.172	0.421	10.7	1.0704	0.0000	OK
10080 minute winter	Pond Inlet 1	11520	-0.171	0.439	10.6	0.7752	0.0000	OK
10080 minute winter	Pond Outlet	9900	-0.173	0.437	31.7	0.4946	0.0000	SURCHARGED
10080 minute winter	S13	9900	-0.173	0.465	0.1	1.6120	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	52	0.628	0.128	13.6	10.7840	0.0000	OK
60 minute winter	PP-S25	54	0.625	0.125	22.1	9.3466	0.0000	OK
60 minute winter	PP-S16	52	0.626	0.126	17.9	13.5425	0.0000	OK
60 minute winter	PP-S145	50	0.620	0.120	22.5	13.0734	0.0000	OK
60 minute winter	PP-S4	53	0.623	0.123	14.2	12.4324	0.0000	OK
60 minute winter	PP-S1	56	0.613	0.113	30.1	36.7372	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	S78	9.002	S79	49.1	0.310	0.704	6.8745	
60 minute winter	S79	9.003	S30	63.2	0.399	0.879	7.6907	
60 minute winter	S30	1.007	S33	117.8	0.743	1.654	5.0209	
60 minute winter	S31	10.000	S32	18.1	0.215	0.256	13.6740	
60 minute winter	S32	10.001	S33	33.4	0.292	0.467	13.6740	
60 minute winter	S33	1.008	S34	120.1	0.758	1.703	5.1108	
60 minute winter	S34	1.009	S35	124.2	0.784	1.748	8.5103	
60 minute winter	S35	1.010	S37	124.9	0.788	1.879	1.7947	
60 minute winter	S36	11.000	S37	7.5	-0.100	0.105	9.1184	
60 minute winter	S37	1.011	S38	153.6	0.969	2.173	14.3287	
60 minute winter	S38	1.012	S39	152.6	0.963	2.136	14.3287	
60 minute winter	S39	1.013	S57	151.3	0.955	2.388	1.1814	
60 minute winter	S56	12.011	S57	-2.7	-0.251	-0.040	2.0645	
60 minute winter	S57	1.014	S127	149.6	0.945	2.116	4.4483	
60 minute winter	S125	21.003	S127	-7.7	-0.277	-0.110	7.7942	
60 minute winter	S127	1.015	S60	146.6	0.947	2.058	4.2771	
10080 minute winter	S119	22.003	S60	0.3	-0.006	0.005	7.4482	
10080 minute winter	S60	1.016	Pond Inlet 1	10.6	0.334	0.140	4.6462	
10080 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	-35.6	0.007	-0.001	2360.3818	
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	13.0	0.690	0.339	0.2885	
60 minute winter	PP-S25	2.000_1	S25	-17.4	-1.089	-0.303	0.1451	
60 minute winter	PP-S16	3.000_1	S16	19.5	1.024	0.290	0.1534	
60 minute winter	PP-S145	4.000_2	S145	25.3	1.268	0.299	0.1532	
60 minute winter	PP-S4	1.000_2	S4	20.5	0.873	0.359	0.1425	
60 minute winter	PP-S1	4.000_1	S1	21.2	1.202	0.320	0.1456	

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Results for 30 year Critical Storm Duration. Lowest mass balance: 99.75%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	PP-S5	52	0.620	0.120	19.8	13.9896	0.0000	OK
60 minute winter	PP-S12	50	0.617	0.117	19.9	10.8193	0.0000	OK
60 minute winter	PP-S14	66	0.588	0.088	30.5	32.1799	0.0000	OK
60 minute winter	PP-S2	50	0.616	0.116	20.0	11.6893	0.0000	OK
60 minute winter	PP-S15	49	0.616	0.116	16.1	6.0238	0.0000	OK
60 minute winter	PP-S75	48	0.615	0.115	20.0	6.6177	0.0000	OK
60 minute winter	PP-S24	45	0.614	0.114	31.4	12.7636	0.0000	OK
60 minute winter	PP-S30	41	0.608	0.108	41.2	5.7276	0.0000	OK
60 minute winter	PP-S33	42	0.581	0.081	18.0	4.0558	0.0000	OK
30 minute winter	PP-S34	26	0.546	0.046	11.6	2.7757	0.0000	OK
30 minute winter	PP-S35	25	0.518	0.018	1.8	0.3550	0.0000	OK
30 minute winter	PP-S36	25	0.541	0.041	8.9	1.7273	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	22.9	1.187	0.310	0.1528	
60 minute winter	PP-S12	8.000_1	S12	25.0	1.088	0.275	0.1515	
60 minute winter	PP-S14	11.000_1	S14	-30.3	1.435	-0.366	0.1350	
60 minute winter	PP-S2	10.000_1	S2	28.1	1.098	0.308	0.1512	
60 minute winter	PP-S15	12.000_1	S15	26.0	1.129	0.276	0.1511	
60 minute winter	PP-S75	13.000_1	S75	20.6	1.148	0.209	0.1507	
60 minute winter	PP-S24	14.000_1	S92	30.2	1.520	0.295	0.1500	
60 minute winter	PP-S30	18.000_1	S30	-37.0	1.231	-0.332	0.1463	
60 minute winter	PP-S33	20.000_1	S33	22.4	1.334	0.196	0.1315	
30 minute winter	PP-S34	21.000_1	S34	10.7	1.679	0.090	0.1137	
30 minute winter	PP-S35	22.000_2	S35	1.7	1.040	0.014	0.1016	
30 minute winter	PP-S36	23.000_2	S36	8.6	1.635	0.072	0.0885	

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Results for 100 year +20% CC Critical Storm Duration. Lowest mass balance: 98.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	S26	51	0.794	1.032	30.4	1.8237	0.0000	SURCHARGED
60 minute winter	S25	52	0.793	1.037	29.4	2.6395	0.0000	SURCHARGED
60 minute winter	S16	52	0.793	1.060	113.2	4.6979	0.0000	SURCHARGED
60 minute winter	S145	53	0.783	1.098	82.1	4.7299	0.0000	SURCHARGED
30 minute summer	S4	20	0.853	1.096	68.7	1.9364	0.0000	SURCHARGED
60 minute winter	S5	58	0.761	1.045	64.2	1.8463	0.0000	SURCHARGED
60 minute winter	S9	58	0.760	1.056	34.4	2.4330	0.0000	SURCHARGED
60 minute winter	S10	58	0.760	1.081	41.6	1.9103	0.0000	SURCHARGED
60 minute winter	S11	58	0.760	1.086	103.0	1.9192	0.0000	SURCHARGED
60 minute winter	S12	58	0.760	1.095	113.1	1.9346	0.0000	SURCHARGED
60 minute winter	S1	61	0.765	1.029	49.0	2.4231	0.0000	SURCHARGED
60 minute winter	S3	59	0.761	1.068	53.5	3.4167	0.0000	SURCHARGED
60 minute winter	S2	58	0.760	1.096	37.0	1.9364	0.0000	SURCHARGED
120 minute winter	S14	98	0.745	1.054	53.3	1.8623	0.0000	SURCHARGED
60 minute winter	S15	58	0.759	1.105	158.2	4.9744	0.0000	SURCHARGED
60 minute winter	S75	49	0.768	1.130	153.0	2.8753	0.0000	SURCHARGED
30 minute winter	S87	20	1.098	1.384	46.7	4.4886	0.0000	FLOOD RISK
30 minute winter	S88	20	1.095	1.403	84.3	4.5741	0.0000	FLOOD RISK
30 minute winter	S89	20	1.066	1.396	123.5	4.5236	0.0000	SURCHARGED
30 minute winter	S90	20	0.985	1.337	162.4	4.2577	0.0000	SURCHARGED
30 minute winter	S92	21	0.826	1.205	266.8	3.0657	0.0000	SURCHARGED
30 minute winter	S81	20	1.131	1.433	46.7	4.6259	0.0000	FLOOD RISK
15 minute winter	S82	12	1.128	1.452	99.5	4.7141	0.0000	FLOOD RISK
15 minute winter	S83	12	1.093	1.438	143.5	4.6433	0.0000	FLOOD RISK
30 minute winter	S84	20	1.019	1.386	163.1	4.3956	0.0000	SURCHARGED
30 minute winter	S86	21	0.866	1.259	160.4	3.2033	0.0000	SURCHARGED
15 minute winter	S76	12	1.119	1.436	60.6	4.6159	0.0000	FLOOD RISK
15 minute winter	S77	12	1.116	1.455	102.0	4.7042	0.0000	FLOOD RISK

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	-27.1	-0.172	-0.383	9.2005	
60 minute winter	S25	2.000	S16	-29.0	-0.183	-0.411	7.3393	
60 minute winter	S16	1.001	S145	-75.9	-0.479	-1.064	15.0038	
60 minute winter	S145	1.002	S75	43.3	0.314	0.614	15.0038	
30 minute summer	S4	3.000	S5	-68.7	-0.434	-0.974	13.1095	
60 minute winter	S5	3.001	S11	-55.7	-0.352	-0.780	13.1095	
60 minute winter	S9	4.000	S10	-23.3	0.239	-0.333	8.0648	
60 minute winter	S10	4.001	S11	-41.6	0.384	-0.547	1.3780	
60 minute winter	S11	3.002	S12	-103.0	-0.650	-1.460	2.8740	
60 minute winter	S12	3.003	S15	-110.1	-0.695	-1.599	3.6838	
60 minute winter	S1	5.000	S3	-33.1	-0.209	-0.465	13.5151	
60 minute winter	S3	5.001	S2	37.0	0.297	0.522	9.1848	
60 minute winter	S2	5.002	S15	36.7	0.242	0.538	3.4165	
120 minute winter	S14	6.000	S15	-53.3	-0.336	-0.757	11.8707	
60 minute winter	S15	3.004	S75	-117.2	-0.740	-1.637	4.9661	
60 minute winter	S75	1.003	S92	-149.3	-0.942	-2.098	5.3380	
30 minute winter	S87	7.000	S88	40.9	0.258	0.573	6.8747	
30 minute winter	S88	7.001	S89	82.8	0.523	1.161	6.8747	
30 minute winter	S89	7.002	S90	122.8	0.775	1.721	6.8747	
30 minute winter	S90	7.003	S92	160.9	1.016	2.284	8.6413	
30 minute winter	S92	1.005	S86	125.2	0.790	1.763	4.4095	
30 minute winter	S81	8.000	S82	41.2	0.260	0.578	6.8747	
15 minute winter	S82	8.001	S83	87.3	0.551	1.254	6.8747	
15 minute winter	S83	8.002	S84	131.7	0.831	1.846	6.8747	
30 minute winter	S84	8.003	S86	160.4	1.013	2.259	8.1975	
30 minute winter	S86	1.006	S30	124.3	0.785	1.751	4.4165	
15 minute winter	S76	9.000	S77	43.3	0.279	0.608	6.8747	
15 minute winter	S77	9.001	S78	85.9	0.542	1.205	6.8747	

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Results for 100 year +20% CC Critical Storm Duration. Lowest 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	12	1.084	1.445	143.2	4.6447	0.0000	SURCHARGED
30 minute winter	S79	20	0.996	1.378	166.5	4.3535	0.0000	SURCHARGED
30 minute winter	S30	21	0.863	1.270	215.2	3.2315	0.0000	SURCHARGED
15 minute winter	S31	11	0.947	1.283	65.4	4.2503	0.0000	SURCHARGED
15 minute summer	S32	12	0.854	1.233	101.6	3.8081	0.0000	SURCHARGED
30 minute winter	S33	23	0.802	1.225	221.8	3.1185	0.0000	SURCHARGED
60 minute winter	S34	45	0.725	1.164	149.8	2.0571	0.0000	SURCHARGED
30 minute winter	S35	29	0.638	1.104	158.7	1.9505	0.0000	SURCHARGED
30 minute winter	S36	28	0.618	1.060	26.5	1.8724	0.0000	SURCHARGED
30 minute winter	S37	28	0.610	1.081	215.6	5.3152	0.0000	SURCHARGED
30 minute winter	S38	29	0.349	0.865	189.7	1.5283	0.0000	SURCHARGED
30 minute winter	S39	29	0.088	0.650	181.0	1.1481	0.0000	SURCHARGED
30 minute winter	S56	29	0.041	0.600	12.0	1.0609	0.0000	SURCHARGED
30 minute winter	S57	29	0.041	0.606	179.4	1.5433	0.0000	SURCHARGED
5760 minute winter	S125	5580	-0.034	0.521	1.7	0.9198	0.0000	SURCHARGED
10080 minute winter	S127	8340	-0.036	0.543	14.6	1.3828	0.0000	SURCHARGED
10080 minute winter	S119	8400	-0.033	0.536	1.7	0.9473	0.0000	SURCHARGED
10080 minute winter	S60	8400	-0.035	0.558	14.5	1.4192	0.0000	SURCHARGED
10080 minute winter	Pond Inlet 1	8340	-0.029	0.581	22.5	1.0266	0.0000	OK
10080 minute winter	Pond Outlet	8340	-0.038	0.572	12.7	0.6467	0.0000	SURCHARGED
10080 minute winter	S13	8340	-0.038	0.600	5.6	2.0775	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	52	0.796	0.296	33.0	29.3331	0.0000	SURCHARGED
60 minute winter	PP-S25	52	0.794	0.294	35.6	25.3045	0.0000	SURCHARGED
60 minute winter	PP-S16	52	0.794	0.294	44.2	42.3576	0.0000	SURCHARGED
60 minute winter	PP-S145	54	0.784	0.284	53.4	42.5864	0.0000	SURCHARGED
120 minute winter	PP-S4	92	0.763	0.263	22.7	34.4629	0.0000	SURCHARGED
60 minute winter	PP-S1	62	0.766	0.266	71.2	90.8969	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	131.7	0.831	1.890	6.8745	
30 minute winter	S79	9.003	S30	162.4	1.025	2.259	7.6907	
30 minute winter	S30	1.007	S33	142.6	0.900	2.004	5.0209	
15 minute winter	S31	10.000	S32	79.3	0.501	1.122	13.6740	
15 minute summer	S32	10.001	S33	123.5	0.780	1.726	13.6740	
30 minute winter	S33	1.008	S34	164.3	1.037	2.329	5.1108	
60 minute winter	S34	1.009	S35	138.3	0.873	1.948	8.5103	
30 minute winter	S35	1.010	S37	148.2	0.935	2.230	1.7947	
30 minute winter	S36	11.000	S37	27.1	-0.185	0.382	9.1184	
30 minute winter	S37	1.011	S38	189.7	1.197	2.684	14.3287	
30 minute winter	S38	1.012	S39	181.0	1.143	2.534	14.3287	
30 minute winter	S39	1.013	S57	179.4	1.142	2.831	1.1814	
30 minute winter	S56	12.011	S57	-12.0	-0.322	-0.176	2.0645	
30 minute winter	S57	1.014	S127	173.0	1.242	2.445	4.4483	
5760 minute winter	S125	21.003	S127	-1.7	-0.010	-0.024	7.8151	
10080 minute winter	S127	1.015	S60	14.5	0.266	0.203	4.3871	
10080 minute winter	S119	22.003	S60	-1.7	-0.011	-0.025	7.8151	
10080 minute winter	S60	1.016	Pond Inlet 1	14.4	0.351	0.190	4.7280	
10080 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	12.7	0.007	0.000	3153.5486	
10080 minute winter	Pond Outlet	1.018	S13	5.6	0.080	0.079	0.4779	
10080 minute winter	S13	Pump	Final Outfall	5.6				901.1
60 minute winter	PP-S26	1.000_1	S26	-24.5	-0.718	-0.638	0.3977	
60 minute winter	PP-S25	2.000_1	S25	-29.7	-1.536	-0.516	0.1989	
60 minute winter	PP-S16	3.000_1	S16	-31.5	-1.181	-0.467	0.1989	
60 minute winter	PP-S145	4.000_2	S145	-41.2	-1.456	-0.488	0.1989	
120 minute winter	PP-S4	1.000_2	S4	17.9	0.907	0.314	0.1989	
60 minute winter	PP-S1	4.000_1	S1	-41.1	-1.350	-0.620	0.1989	

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Results for 100 year +20% CC Critical Storm Duration. Lowest mass balance: 98.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	PP-S5	59	0.761	0.261	37.4	42.1018	0.0000	SURCHARGED
60 minute winter	PP-S12	58	0.760	0.260	38.1	26.7673	0.0000	SURCHARGED
120 minute winter	PP-S14	114	0.740	0.240	53.4	128.9510	0.0000	SURCHARGED
60 minute winter	PP-S2	58	0.760	0.260	43.6	27.9303	0.0000	SURCHARGED
60 minute winter	PP-S15	59	0.759	0.259	28.0	14.5880	0.0000	SURCHARGED
60 minute winter	PP-S75	49	0.768	0.268	46.4	16.6221	0.0000	SURCHARGED
60 minute winter	PP-S24	43	0.820	0.320	81.5	45.1213	0.0000	SURCHARGED
30 minute winter	PP-S30	23	0.861	0.361	87.7	20.9618	0.0000	SURCHARGED
30 minute winter	PP-S33	24	0.810	0.310	69.4	18.3305	0.0000	SURCHARGED
60 minute winter	PP-S34	45	0.728	0.228	45.0	28.7178	0.0000	SURCHARGED
30 minute winter	PP-S35	29	0.639	0.139	14.3	3.6489	0.0000	OK
30 minute winter	PP-S36	27	0.607	0.107	24.7	9.3560	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	22.6	1.204	0.305	0.1989	
60 minute winter	PP-S12	8.000_1	S12	-32.6	-1.241	-0.358	0.1989	
120 minute winter	PP-S14	11.000_1	S14	-53.2	1.571	-0.642	0.1989	
60 minute winter	PP-S2	10.000_1	S2	-35.5	-1.284	-0.388	0.1989	
60 minute winter	PP-S15	12.000_1	S15	22.2	1.153	0.236	0.1989	
60 minute winter	PP-S75	13.000_1	S75	-40.3	-1.383	-0.408	0.1989	
60 minute winter	PP-S24	14.000_1	S92	-64.9	-1.889	-0.633	0.1989	
30 minute winter	PP-S30	18.000_1	S30	-80.4	-2.239	-0.722	0.1989	
30 minute winter	PP-S33	20.000_1	S33	-60.7	-1.780	-0.532	0.1989	
60 minute winter	PP-S34	21.000_1	S34	-29.8	1.603	-0.252	0.1989	
30 minute winter	PP-S35	22.000_2	S35	13.7	1.051	0.110	0.1637	
30 minute winter	PP-S36	23.000_2	S36	26.5	1.618	0.223	0.1457	

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Results for 100 year +40% CC Critical Storm Duration. Lowest mass balance: 98.95%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	S26	52	0.872	1.110	30.2	1.9615	0.0000	SURCHARGED
60 minute winter	S25	53	0.871	1.115	31.8	2.8379	0.0000	SURCHARGED
60 minute winter	S16	53	0.871	1.138	94.6	5.0438	0.0000	SURCHARGED
60 minute winter	S145	55	0.862	1.177	97.6	5.0661	0.0000	SURCHARGED
15 minute winter	S4	13	0.851	1.094	57.9	1.9335	0.0000	SURCHARGED
120 minute winter	S5	96	0.834	1.118	43.9	1.9749	0.0000	SURCHARGED
120 minute winter	S9	96	0.832	1.128	12.3	2.5993	0.0000	SURCHARGED
120 minute winter	S10	96	0.832	1.153	12.1	2.0375	0.0000	SURCHARGED
120 minute winter	S11	96	0.832	1.158	44.3	2.0464	0.0000	SURCHARGED
120 minute winter	S12	96	0.832	1.167	50.3	2.0616	0.0000	SURCHARGED
120 minute winter	S1	96	0.837	1.101	36.1	2.5929	0.0000	SURCHARGED
120 minute winter	S3	98	0.834	1.141	29.6	3.6488	0.0000	SURCHARGED
120 minute winter	S2	98	0.832	1.168	35.9	2.0641	0.0000	SURCHARGED
120 minute winter	S14	102	0.815	1.124	63.7	1.9855	0.0000	SURCHARGED
120 minute winter	S15	96	0.831	1.177	120.9	5.2982	0.0000	SURCHARGED
60 minute winter	S75	50	0.845	1.207	167.6	3.0707	0.0000	SURCHARGED
15 minute winter	S87	11	1.300	1.586	70.7	5.1450	2.0326	FLOOD
30 minute summer	S88	19	1.300	1.608	108.2	5.2437	0.3084	FLOOD
30 minute summer	S89	19	1.275	1.605	155.7	5.2024	0.0000	FLOOD RISK
30 minute summer	S90	19	1.166	1.518	201.5	4.8346	0.0000	FLOOD RISK
30 minute winter	S92	21	0.941	1.320	317.4	3.3594	0.0000	SURCHARGED
15 minute winter	S81	11	1.300	1.602	70.7	5.1729	2.7769	FLOOD
15 minute winter	S82	11	1.300	1.624	118.2	5.2731	1.1867	FLOOD
15 minute summer	S83	12	1.273	1.618	160.0	5.2237	0.0000	FLOOD RISK
30 minute summer	S84	19	1.180	1.547	194.7	4.9083	0.0000	FLOOD RISK
30 minute winter	S86	21	0.999	1.392	186.6	3.5433	0.0000	SURCHARGED
15 minute winter	S76	11	1.300	1.617	70.7	5.1987	2.6167	FLOOD
15 minute winter	S77	11	1.300	1.639	116.0	5.2989	0.7431	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	-30.2	-0.190	-0.426	9.2005	
60 minute winter	S25	2.000	S16	-31.8	-0.201	-0.451	7.3393	
60 minute winter	S16	1.001	S145	-52.7	-0.333	-0.739	15.0038	
60 minute winter	S145	1.002	S75	47.8	0.325	0.677	15.0038	
15 minute winter	S4	3.000	S5	-55.4	-0.551	-0.785	13.1095	
120 minute winter	S5	3.001	S11	-38.0	-0.240	-0.532	13.1095	
120 minute winter	S9	4.000	S10	-12.3	0.206	-0.175	8.0648	
120 minute winter	S10	4.001	S11	9.9	0.338	0.130	1.3780	
120 minute winter	S11	3.002	S12	-44.2	-0.279	-0.626	2.8740	
120 minute winter	S12	3.003	S15	-47.9	-0.302	-0.696	3.6838	
120 minute winter	S1	5.000	S3	-29.2	-0.185	-0.411	13.5151	
120 minute winter	S3	5.001	S2	22.3	0.256	0.315	9.1848	
120 minute winter	S2	5.002	S15	39.1	0.247	0.573	3.4165	
120 minute winter	S14	6.000	S15	-63.7	-0.402	-0.905	11.8707	
120 minute winter	S15	3.004	S75	-95.7	-0.604	-1.337	4.9661	
60 minute winter	S75	1.003	S92	-167.6	-1.058	-2.355	5.3380	
15 minute winter	S87	7.000	S88	54.3	0.343	0.762	6.8747	
30 minute summer	S88	7.001	S89	94.9	0.599	1.331	6.8747	
30 minute summer	S89	7.002	S90	145.9	0.921	2.045	6.8747	
30 minute summer	S90	7.003	S92	199.2	1.257	2.827	8.6413	
30 minute winter	S92	1.005	S86	128.3	0.810	1.806	4.4095	
15 minute winter	S81	8.000	S82	45.6	0.288	0.640	6.8747	
15 minute winter	S82	8.001	S83	100.2	0.633	1.439	6.8747	
15 minute summer	S83	8.002	S84	148.3	0.936	2.079	6.8747	
30 minute summer	S84	8.003	S86	194.2	1.226	2.735	8.1975	
30 minute winter	S86	1.006	S30	126.5	0.798	1.781	4.4165	
15 minute winter	S76	9.000	S77	48.8	0.308	0.684	6.8747	
15 minute winter	S77	9.001	S78	104.3	0.658	1.462	6.8747	

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Results for 100 year +40% CC Critical Storm Duration. Lowest mass balance: 98.95%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute winter	S78	19	1.267	1.628	147.7	5.2322	0.0000	FLOOD RISK
30 minute winter	S79	19	1.169	1.551	194.6	4.9010	0.0000	FLOOD RISK
30 minute winter	S30	21	0.996	1.403	254.9	3.5697	0.0000	SURCHARGED
15 minute winter	S31	11	1.125	1.461	119.1	4.8376	0.0000	FLOOD RISK
15 minute winter	S32	11	1.071	1.450	129.0	4.4773	0.0000	SURCHARGED
30 minute winter	S33	23	0.917	1.340	260.0	3.4115	0.0000	SURCHARGED
60 minute winter	S34	45	0.821	1.260	169.6	2.2257	0.0000	SURCHARGED
60 minute winter	S35	46	0.714	1.180	144.2	2.0846	0.0000	SURCHARGED
60 minute winter	S36	46	0.679	1.121	24.0	1.9808	0.0000	SURCHARGED
60 minute winter	S37	46	0.677	1.148	182.6	5.6415	0.0000	SURCHARGED
60 minute winter	S38	46	0.397	0.913	169.0	1.6127	0.0000	SURCHARGED
60 minute winter	S39	46	0.117	0.679	169.0	1.1994	0.0000	SURCHARGED
60 minute winter	S56	47	0.067	0.626	5.3	1.1064	0.0000	SURCHARGED
60 minute winter	S57	47	0.067	0.632	168.9	1.6088	0.0000	SURCHARGED
10080 minute winter	S125	7260	-0.022	0.533	0.8	0.9419	0.0000	SURCHARGED
10080 minute winter	S127	7260	-0.022	0.557	16.5	1.4167	0.0000	SURCHARGED
10080 minute winter	S119	7140	-0.023	0.546	1.3	0.9648	0.0000	SURCHARGED
10080 minute winter	S60	7200	-0.024	0.569	16.4	1.4494	0.0000	SURCHARGED
10080 minute winter	Pond Inlet 1	7080	-0.018	0.592	34.8	1.0460	0.0000	OK
10080 minute winter	Pond Outlet	7320	-0.024	0.586	17.0	0.6623	0.0000	SURCHARGED
10080 minute winter	S13	7320	-0.025	0.613	5.9	2.1242	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	0.874	0.374	39.5	37.9572	0.0000	SURCHARGED
60 minute winter	PP-S25	53	0.871	0.371	36.4	32.7033	0.0000	SURCHARGED
60 minute winter	PP-S16	53	0.872	0.372	55.0	55.7532	0.0000	SURCHARGED
60 minute winter	PP-S145	55	0.862	0.362	61.4	56.6178	0.0000	SURCHARGED
120 minute winter	PP-S4	94	0.836	0.336	27.6	46.0475	0.0000	SURCHARGED
120 minute winter	PP-S1	98	0.838	0.338	58.6	116.5591	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)
30 minute winter	S78	9.002	S79	140.7	0.888	2.020	6.8745	
30 minute winter	S79	9.003	S30	192.7	1.216	2.679	7.6907	
30 minute winter	S30	1.007	S33	163.6	1.033	2.299	5.0209	
15 minute winter	S31	10.000	S32	65.8	0.419	0.931	13.6740	
15 minute winter	S32	10.001	S33	158.0	0.997	2.209	13.6740	
30 minute winter	S33	1.008	S34	190.7	1.204	2.704	5.1108	
60 minute winter	S34	1.009	S35	143.2	0.904	2.017	8.5103	
60 minute winter	S35	1.010	S37	144.6	0.913	2.176	1.7947	
60 minute winter	S36	11.000	S37	24.3	0.153	0.341	9.1184	
60 minute winter	S37	1.011	S38	169.0	1.066	2.391	14.3287	
60 minute winter	S38	1.012	S39	169.0	1.066	2.364	14.3287	
60 minute winter	S39	1.013	S57	168.9	1.066	2.666	1.1814	
60 minute winter	S56	12.011	S57	-5.3	-0.260	-0.078	2.0645	
60 minute winter	S57	1.014	S127	168.9	1.066	2.388	4.4483	
10080 minute winter	S125	21.003	S127	0.9	-0.009	0.013	7.8151	
10080 minute winter	S127	1.015	S60	16.4	0.266	0.230	4.3871	
10080 minute winter	S119	22.003	S60	-1.3	-0.008	-0.018	7.8151	
10080 minute winter	S60	1.016	Pond Inlet 1	16.3	0.370	0.215	4.7280	
10080 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	-21.1	0.007	0.000	3236.4929	
10080 minute winter	Pond Outlet	1.018	S13	5.9	0.084	0.083	0.4779	
10080 minute winter	S13	Pump	Final Outfall	5.9				1524.1
60 minute winter	PP-S26	1.000_1	S26	-29.6	-0.776	-0.771	0.3977	
60 minute winter	PP-S25	2.000_1	S25	-29.5	-1.274	-0.513	0.1989	
60 minute winter	PP-S16	3.000_1	S16	-39.9	-1.125	-0.590	0.1989	
60 minute winter	PP-S145	4.000_2	S145	-45.4	-1.367	-0.538	0.1989	
120 minute winter	PP-S4	1.000_2	S4	-18.3	0.870	-0.322	0.1989	
120 minute winter	PP-S1	4.000_1	S1	-35.8	1.229	-0.540	0.1989	

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Results for 100 year +40% CC Critical Storm Duration. Lowest mass balance: 98.95%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute winter	PP-S5	94	0.835	0.335	32.8	56.7236	0.0000	SURCHARGED
120 minute winter	PP-S12	96	0.832	0.332	24.2	34.7539	0.0000	SURCHARGED
120 minute winter	PP-S14	120	0.810	0.310	63.8	173.9343	0.0000	SURCHARGED
120 minute winter	PP-S2	98	0.832	0.332	25.9	36.0833	0.0000	SURCHARGED
120 minute winter	PP-S15	96	0.831	0.331	19.2	18.8645	0.0000	SURCHARGED
60 minute winter	PP-S75	50	0.845	0.345	42.5	21.6481	0.0000	SURCHARGED
60 minute winter	PP-S24	44	0.923	0.423	96.0	61.2052	0.0000	SURCHARGED
30 minute winter	PP-S30	23	0.994	0.494	101.6	28.9100	0.0000	SURCHARGED
30 minute winter	PP-S33	24	0.927	0.427	82.8	25.6415	0.0000	SURCHARGED
60 minute winter	PP-S34	46	0.824	0.324	61.6	42.3761	0.0000	SURCHARGED
60 minute winter	PP-S35	46	0.714	0.214	11.7	5.7140	0.0000	OK
30 minute winter	PP-S36	28	0.681	0.181	39.7	18.4591	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)
120 minute winter	PP-S5	2.000_2	S5	22.8	1.127	0.308	0.1989	
120 minute winter	PP-S12	8.000_1	S12	20.6	1.015	0.226	0.1989	
120 minute winter	PP-S14	11.000_1	S14	-63.5	-1.722	-0.767	0.1989	
120 minute winter	PP-S2	10.000_1	S2	23.0	1.051	0.252	0.1989	
120 minute winter	PP-S15	12.000_1	S15	17.7	1.061	0.188	0.1989	
60 minute winter	PP-S75	13.000_1	S75	-36.3	-1.291	-0.367	0.1989	
60 minute winter	PP-S24	14.000_1	S92	-77.4	-2.089	-0.755	0.1989	
30 minute winter	PP-S30	18.000_1	S30	-93.5	-2.538	-0.840	0.1989	
30 minute winter	PP-S33	20.000_1	S33	-72.7	-1.979	-0.636	0.1989	
60 minute winter	PP-S34	21.000_1	S34	-45.6	1.584	-0.386	0.1989	
60 minute winter	PP-S35	22.000_2	S35	-9.4	1.000	-0.075	0.1970	
30 minute winter	PP-S36	23.000_2	S36	33.9	1.611	0.285	0.1852	

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Results for 1 year 15 minute summer. 1455 minute analysis at 1 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
15 minute summer	S26	19	-0.094	0.144	3.4	0.2540	0.0000	OK
15 minute summer	S25	18	-0.100	0.144	4.2	0.3675	0.0000	OK
15 minute summer	S16	19	-0.100	0.167	14.5	0.7419	0.0000	OK
15 minute summer	S145	17	-0.118	0.197	21.9	0.8461	0.0000	OK
15 minute summer	S4	21	-0.102	0.141	8.2	0.2491	0.0000	OK
15 minute summer	S5	23	-0.109	0.175	13.5	0.3088	0.0000	OK
15 minute summer	S9	24	-0.110	0.186	7.3	0.4289	0.0000	OK
15 minute summer	S10	24	-0.113	0.208	9.1	0.3670	0.0000	OK
15 minute summer	S11	24	-0.114	0.212	22.4	0.3739	0.0000	OK
15 minute summer	S12	24	-0.119	0.216	24.8	0.3820	0.0000	OK
15 minute summer	S1	20	-0.110	0.154	8.2	0.3629	0.0000	OK
15 minute summer	S3	27	-0.123	0.184	17.1	0.5884	0.0000	OK
15 minute summer	S2	22	-0.124	0.212	14.7	0.3742	0.0000	OK
15 minute summer	S14	16	-0.117	0.192	14.4	0.3387	0.0000	OK
15 minute summer	S15	25	-0.125	0.221	45.4	0.9944	0.0000	OK
15 minute summer	S75	23	-0.129	0.233	36.3	0.5925	0.0000	OK
15 minute summer	S87	12	-0.105	0.181	15.1	0.5877	0.0000	OK
15 minute summer	S88	12	-0.107	0.201	25.7	0.6543	0.0000	OK
15 minute summer	S89	13	-0.117	0.213	33.9	0.6918	0.0000	OK
15 minute summer	S90	14	-0.128	0.224	42.2	0.7132	0.0000	OK
15 minute summer	S92	15	-0.136	0.243	40.0	0.6175	0.0000	OK
15 minute summer	S81	12	-0.120	0.182	15.1	0.5864	0.0000	OK
15 minute summer	S82	12	-0.123	0.201	25.6	0.6535	0.0000	OK
15 minute summer	S83	13	-0.130	0.215	34.0	0.6943	0.0000	OK
15 minute summer	S84	14	-0.134	0.233	41.8	0.7380	0.0000	OK
15 minute summer	S86	14	-0.138	0.255	38.2	0.6491	0.0000	OK
15 minute summer	S76	12	-0.136	0.181	15.1	0.5829	0.0000	OK
15 minute summer	S77	12	-0.138	0.201	25.6	0.6497	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	3.5	-0.153	0.050	2.8224	
15 minute summer	S25	2.000	S16	2.9	-0.164	0.041	2.2489	
15 minute summer	S16	1.001	S145	13.6	0.234	0.191	5.6250	
15 minute summer	S145	1.002	S75	20.0	0.379	0.283	6.9744	
15 minute summer	S4	3.000	S5	-5.7	-0.158	-0.080	4.0702	
15 minute summer	S5	3.001	S11	10.0	-0.224	0.140	5.2973	
15 minute summer	S9	4.000	S10	-6.1	0.333	-0.087	3.3938	
15 minute summer	S10	4.001	S11	-9.1	0.456	-0.120	0.6291	
15 minute summer	S11	3.002	S12	-22.4	-0.413	-0.317	1.3468	
15 minute summer	S12	3.003	S15	-23.5	-0.368	-0.342	1.7747	
15 minute summer	S1	5.000	S3	-6.4	0.153	-0.090	4.6011	
15 minute summer	S3	5.001	S2	13.9	0.390	0.196	3.8604	
15 minute summer	S2	5.002	S15	10.9	0.343	0.159	1.6211	
15 minute summer	S14	6.000	S15	-14.3	-0.318	-0.204	5.1893	
15 minute summer	S15	3.004	S75	-27.0	-0.413	-0.377	2.5037	
15 minute summer	S75	1.003	S92	31.4	0.378	0.441	2.8098	
15 minute summer	S87	7.000	S88	10.9	0.236	0.153	2.7771	
15 minute summer	S88	7.001	S89	20.7	0.293	0.291	3.0762	
15 minute summer	S89	7.002	S90	30.2	0.411	0.424	3.3009	
15 minute summer	S90	7.003	S92	37.4	0.592	0.531	4.5121	
15 minute summer	S92	1.005	S86	31.1	0.368	0.438	2.4987	
15 minute summer	S81	8.000	S82	10.9	0.234	0.153	2.7875	
15 minute summer	S82	8.001	S83	20.7	0.293	0.297	3.1033	
15 minute summer	S83	8.002	S84	29.8	0.405	0.417	3.3857	
15 minute summer	S84	8.003	S86	36.2	0.553	0.510	4.5356	
15 minute summer	S86	1.006	S30	32.9	0.385	0.463	2.6253	
15 minute summer	S76	9.000	S77	10.9	0.236	0.153	2.7815	
15 minute summer	S77	9.001	S78	20.7	0.292	0.290	3.1202	

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Results for 1 year 15 minute summer. 1455 minute analysis at 1 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
15 minute summer	S78	13	-0.144	0.217	34.0	0.6970	0.0000	OK
15 minute summer	S79	14	-0.144	0.238	41.8	0.7512	0.0000	OK
15 minute summer	S30	14	-0.145	0.262	60.5	0.6665	0.0000	OK
15 minute summer	S31	18	-0.148	0.188	16.3	0.6226	0.0000	OK
15 minute summer	S32	19	-0.155	0.224	26.7	0.6906	0.0000	OK
15 minute summer	S33	20	-0.163	0.260	63.4	0.6609	0.0000	OK
15 minute summer	S34	21	-0.177	0.262	51.9	0.4621	0.0000	OK
15 minute summer	S35	20	-0.205	0.261	48.2	0.4611	0.0000	OK
15 minute summer	S36	22	-0.212	0.230	12.3	0.4062	0.0000	OK
15 minute summer	S37	22	-0.215	0.256	60.4	1.2567	0.0000	OK
15 minute summer	S38	24	-0.271	0.245	50.0	0.4323	0.0000	OK
15 minute summer	S39	28	-0.329	0.233	45.4	0.4122	0.0000	OK
15 minute summer	S56	30	-0.340	0.219	4.6	0.3863	0.0000	OK
15 minute summer	S57	30	-0.340	0.225	43.1	0.5716	0.0000	OK
15 minute summer	S125	31	-0.367	0.188	11.0	0.3328	0.0000	OK
15 minute summer	S127	32	-0.367	0.212	42.6	0.5390	0.0000	OK
15 minute summer	S119	31	-0.403	0.166	7.6	0.2930	0.0000	OK
15 minute summer	S60	32	-0.404	0.189	40.3	0.4820	0.0000	OK
15 minute summer	Pond Inlet 1	32	-0.482	0.128	39.9	0.2254	0.0000	OK
15 minute summer	Pond Outlet	1450	-0.569	0.041	31.5	0.0458	0.0000	OK
15 minute summer	S13	1185	-0.569	0.069	0.4	0.2377	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	0.532	0.032	2.3	0.9318	0.0000	OK
15 minute summer	PP-S25	21	0.526	0.026	2.0	0.6235	0.0000	OK
15 minute summer	PP-S16	20	0.533	0.033	3.5	1.0223	0.0000	OK
15 minute summer	PP-S145	20	0.532	0.032	4.1	1.0340	0.0000	OK
15 minute summer	PP-S4	21	0.533	0.033	3.2	1.0363	0.0000	OK
15 minute summer	PP-S1	24	0.527	0.027	8.1	5.9994	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	29.5	0.404	0.424	3.4634	
15 minute summer	S79	9.003	S30	35.1	0.550	0.488	4.3849	
15 minute summer	S30	1.007	S33	51.5	0.614	0.723	2.9497	
15 minute summer	S31	10.000	S32	13.0	0.309	0.185	5.8908	
15 minute summer	S32	10.001	S33	19.7	0.435	0.276	7.4287	
15 minute summer	S33	1.008	S34	49.1	0.598	0.696	3.0616	
15 minute summer	S34	1.009	S35	47.7	0.603	0.672	5.1179	
15 minute summer	S35	1.010	S37	44.1	0.579	0.664	1.0654	
15 minute summer	S36	11.000	S37	-9.9	-0.190	-0.139	5.0175	
15 minute summer	S37	1.011	S38	50.0	0.621	0.708	8.1603	
15 minute summer	S38	1.012	S39	45.4	0.631	0.635	7.6559	
15 minute summer	S39	1.013	S57	43.1	0.692	0.680	0.6035	
15 minute summer	S56	12.011	S57	-4.6	-0.344	-0.068	1.0126	
15 minute summer	S57	1.014	S127	42.6	0.701	0.602	2.1373	
15 minute summer	S125	21.003	S127	-11.0	-0.322	-0.158	3.3576	
15 minute summer	S127	1.015	S60	39.9	0.769	0.560	1.8915	
15 minute summer	S119	22.003	S60	-7.6	-0.286	-0.109	2.8543	
15 minute summer	S60	1.016	Pond Inlet 1	39.9	0.803	0.527	1.4955	
15 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	31.5	0.026	0.001	191.7611	
15 minute summer	Pond Outlet	1.018	S13	0.4	0.221	0.005	0.0604	
15 minute summer	S13	Pump	Final Outfall	0.0				0.0
15 minute summer	PP-S26	1.000_1	S26	1.6	0.480	0.042	0.0335	
15 minute summer	PP-S25	2.000_1	S25	1.6	0.627	0.028	0.0127	
15 minute summer	PP-S16	3.000_1	S16	3.0	0.841	0.044	0.0176	
15 minute summer	PP-S145	4.000_2	S145	3.5	1.038	0.042	0.0171	
15 minute summer	PP-S4	1.000_2	S4	2.6	0.718	0.045	0.0180	
15 minute summer	PP-S1	4.000_1	S1	1.9	0.731	0.029	0.0131	

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Results for 1 year 15 minute summer. 1455 minute analysis at 1 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
15 minute summer	PP-S5	20	0.537	0.037	4.8	1.3788	0.0000	OK
15 minute summer	PP-S12	21	0.520	0.020	1.7	0.5612	0.0000	OK
15 minute summer	PP-S14	23	0.504	0.004	0.1	0.0727	0.0000	OK
15 minute summer	PP-S2	22	0.522	0.022	2.6	1.0811	0.0000	OK
15 minute summer	PP-S15	20	0.522	0.022	2.0	0.4634	0.0000	OK
15 minute summer	PP-S75	20	0.521	0.021	1.9	0.4913	0.0000	OK
15 minute summer	PP-S24	20	0.532	0.032	4.8	1.2267	0.0000	OK
15 minute summer	PP-S30	19	0.519	0.019	1.8	0.4462	0.0000	OK
15 minute summer	PP-S33	19	0.521	0.021	2.1	0.4317	0.0000	OK
15 minute summer	PP-S34	20	0.527	0.027	4.1	1.0295	0.0000	OK
15 minute summer	PP-S35	19	0.511	0.011	0.6	0.1540	0.0000	OK
15 minute summer	PP-S36	19	0.525	0.025	3.2	0.6401	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	4.0	0.978	0.054	0.0204	
15 minute summer	PP-S12	8.000_1	S12	1.4	0.835	0.015	0.0084	
15 minute summer	PP-S14	11.000_1	S14	0.0	0.322	0.000	0.0006	
15 minute summer	PP-S2	10.000_1	S2	1.8	0.895	0.019	0.0099	
15 minute summer	PP-S15	12.000_1	S15	1.7	0.910	0.018	0.0096	
15 minute summer	PP-S75	13.000_1	S75	1.6	0.927	0.017	0.0089	
15 minute summer	PP-S24	14.000_1	S92	4.1	1.244	0.040	0.0166	
15 minute summer	PP-S30	18.000_1	S30	1.6	0.993	0.014	0.0079	
15 minute summer	PP-S33	20.000_1	S33	1.9	1.074	0.017	0.0090	
15 minute summer	PP-S34	21.000_1	S34	3.6	1.316	0.030	0.0135	
15 minute summer	PP-S35	22.000_2	S35	0.6	0.781	0.004	0.0035	
15 minute summer	PP-S36	23.000_2	S36	2.8	1.238	0.024	0.0115	

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Results for 1 year 15 minute winter. 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 winter	S26	19	-0.075	0.163	3.9	0.2873	0.0000	OK
15 minute winter	S25	19	-0.080	0.164	4.9	0.4171	0.0000	OK
15 minute winter	S16	19	-0.082	0.185	17.3	0.8202	0.0000	OK
15 minute winter	S145	20	-0.100	0.215	24.1	0.9263	0.0000	OK
15 minute winter	S4	21	-0.083	0.160	9.4	0.2822	0.0000	OK
15 minute winter	S5	22	-0.088	0.196	16.8	0.3467	0.0000	OK
15 minute winter	S9	23	-0.088	0.208	8.7	0.4788	0.0000	OK
15 minute winter	S10	23	-0.093	0.228	10.9	0.4030	0.0000	OK
15 minute winter	S11	23	-0.094	0.232	25.7	0.4093	0.0000	OK
15 minute winter	S12	23	-0.100	0.235	28.3	0.4161	0.0000	OK
15 minute winter	S1	19	-0.094	0.170	8.7	0.4003	0.0000	OK
15 minute winter	S3	26	-0.103	0.204	17.9	0.6525	0.0000	OK
15 minute winter	S2	24	-0.106	0.230	15.9	0.4070	0.0000	OK
15 minute winter	S14	25	-0.103	0.206	16.6	0.3639	0.0000	OK
15 minute winter	S15	24	-0.105	0.241	53.0	1.0842	0.0000	OK
15 minute winter	S75	25	-0.110	0.252	38.8	0.6406	0.0000	OK
15 minute winter	S87	12	-0.096	0.190	15.9	0.6175	0.0000	OK
15 minute winter	S88	13	-0.098	0.210	27.0	0.6849	0.0000	OK
15 minute winter	S89	13	-0.105	0.225	36.2	0.7307	0.0000	OK
15 minute winter	S90	14	-0.112	0.240	44.9	0.7632	0.0000	OK
15 minute winter	S92	15	-0.120	0.259	42.0	0.6587	0.0000	OK
15 minute winter	S81	12	-0.111	0.191	15.9	0.6160	0.0000	OK
15 minute winter	S82	13	-0.112	0.212	27.1	0.6874	0.0000	OK
15 minute winter	S83	14	-0.116	0.229	36.3	0.7406	0.0000	OK
15 minute winter	S84	14	-0.118	0.249	44.6	0.7913	0.0000	OK
15 minute winter	S86	15	-0.123	0.270	41.0	0.6881	0.0000	OK
15 minute winter	S76	12	-0.126	0.191	15.9	0.6125	0.0000	OK
15 minute winter	S77	13	-0.127	0.212	27.1	0.6854	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	4.2	-0.160	0.059	3.2797	
15 minute winter	S25	2.000	S16	-3.4	-0.164	-0.048	2.6293	
15 minute winter	S16	1.001	S145	15.6	0.235	0.219	6.4206	
15 minute winter	S145	1.002	S75	23.5	0.374	0.333	7.7759	
15 minute winter	S4	3.000	S5	-6.6	-0.186	-0.094	4.7426	
15 minute winter	S5	3.001	S11	-12.5	-0.247	-0.175	6.0796	
15 minute winter	S9	4.000	S10	-7.1	0.335	-0.101	3.8720	
15 minute winter	S10	4.001	S11	-10.9	0.482	-0.143	0.7080	
15 minute winter	S11	3.002	S12	-25.7	-0.439	-0.364	1.5068	
15 minute winter	S12	3.003	S15	-27.0	-0.381	-0.392	1.9775	
15 minute winter	S1	5.000	S3	-6.6	0.147	-0.093	5.2583	
15 minute winter	S3	5.001	S2	14.9	0.397	0.211	4.3768	
15 minute winter	S2	5.002	S15	-11.9	0.339	-0.175	1.8109	
15 minute winter	S14	6.000	S15	-16.6	-0.340	-0.236	5.8533	
15 minute winter	S15	3.004	S75	-29.6	-0.419	-0.414	2.7745	
15 minute winter	S75	1.003	S92	36.4	0.399	0.511	3.0994	
15 minute winter	S87	7.000	S88	11.6	0.238	0.162	2.9559	
15 minute winter	S88	7.001	S89	22.4	0.298	0.314	3.2965	
15 minute winter	S89	7.002	S90	32.5	0.415	0.455	3.5712	
15 minute winter	S90	7.003	S92	39.1	0.596	0.554	4.8844	
15 minute winter	S92	1.005	S86	35.8	0.385	0.504	2.6965	
15 minute winter	S81	8.000	S82	11.6	0.237	0.163	2.9739	
15 minute winter	S82	8.001	S83	22.1	0.297	0.318	3.3361	
15 minute winter	S83	8.002	S84	31.7	0.409	0.445	3.7187	
15 minute winter	S84	8.003	S86	36.9	0.551	0.520	4.8961	
15 minute winter	S86	1.006	S30	37.2	0.397	0.524	2.8089	
15 minute winter	S76	9.000	S77	11.7	0.238	0.163	2.9764	
15 minute winter	S77	9.001	S78	22.1	0.297	0.309	3.3667	

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Results for 1 year 15 minute winter. 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 winter	S78	14	-0.128	0.233	36.3	0.7501	0.0000	OK
15 minute winter	S79	14	-0.127	0.255	44.6	0.8065	0.0000	OK
15 minute winter	S30	14	-0.131	0.276	63.4	0.7035	0.0000	OK
15 minute winter	S31	17	-0.131	0.205	17.2	0.6792	0.0000	OK
15 minute winter	S32	19	-0.135	0.244	28.0	0.7523	0.0000	OK
15 minute winter	S33	20	-0.144	0.279	67.5	0.7099	0.0000	OK
15 minute winter	S34	20	-0.157	0.282	55.7	0.4976	0.0000	OK
15 minute winter	S35	20	-0.186	0.280	51.8	0.4950	0.0000	OK
15 minute winter	S36	18	-0.192	0.250	14.9	0.4424	0.0000	OK
15 minute winter	S37	19	-0.197	0.274	64.7	1.3480	0.0000	OK
15 minute winter	S38	23	-0.254	0.262	56.1	0.4622	0.0000	OK
15 minute winter	S39	27	-0.314	0.248	51.5	0.4384	0.0000	OK
15 minute winter	S56	29	-0.326	0.233	6.4	0.4113	0.0000	OK
15 minute winter	S57	29	-0.326	0.239	49.0	0.6076	0.0000	OK
15 minute winter	S125	30	-0.354	0.201	11.6	0.3558	0.0000	OK
15 minute winter	S127	30	-0.354	0.225	47.6	0.5722	0.0000	OK
15 minute winter	S119	30	-0.391	0.178	8.4	0.3138	0.0000	OK
15 minute winter	S60	31	-0.392	0.201	45.3	0.5118	0.0000	OK
15 minute winter	Pond Inlet 1	31	-0.472	0.138	44.7	0.2433	0.0000	OK
15 minute winter	Pond Outlet	1450	-0.565	0.045	35.8	0.0509	0.0000	OK
15 minute winter	S13	1455	-0.565	0.073	0.4	0.2530	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	0.533	0.033	2.6	1.0323	0.0000	OK
15 minute winter	PP-S25	20	0.528	0.028	2.2	0.6957	0.0000	OK
15 minute winter	PP-S16	20	0.535	0.035	4.0	1.1350	0.0000	OK
15 minute winter	PP-S145	19	0.534	0.034	4.6	1.1528	0.0000	OK
15 minute winter	PP-S4	20	0.535	0.035	3.6	1.1570	0.0000	OK
15 minute winter	PP-S1	24	0.529	0.029	9.1	6.6511	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	31.2	0.408	0.449	3.8134	
15 minute winter	S79	9.003	S30	36.9	0.546	0.513	4.7299	
15 minute winter	S30	1.007	S33	56.3	0.617	0.791	3.1926	
15 minute winter	S31	10.000	S32	13.8	0.306	0.195	6.6197	
15 minute winter	S32	10.001	S33	19.9	0.437	0.279	8.1934	
15 minute winter	S33	1.008	S34	52.5	0.607	0.744	3.3475	
15 minute winter	S34	1.009	S35	51.2	0.604	0.721	5.5886	
15 minute winter	S35	1.010	S37	48.2	0.593	0.726	1.1581	
15 minute winter	S36	11.000	S37	-12.2	-0.190	-0.171	5.5118	
15 minute winter	S37	1.011	S38	56.1	0.645	0.794	8.8774	
15 minute winter	S38	1.012	S39	51.5	0.653	0.720	8.2876	
15 minute winter	S39	1.013	S57	49.0	0.766	0.773	0.6518	
15 minute winter	S56	12.011	S57	-6.4	-0.297	-0.094	1.0953	
15 minute winter	S57	1.014	S127	47.6	0.736	0.674	2.3077	
15 minute winter	S125	21.003	S127	-11.6	-0.350	-0.166	3.6451	
15 minute winter	S127	1.015	S60	44.7	0.766	0.627	2.0444	
15 minute winter	S119	22.003	S60	-8.4	-0.298	-0.120	3.1081	
15 minute winter	S60	1.016	Pond Inlet 1	44.7	0.823	0.591	1.6345	
15 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	35.8	0.028	0.001	214.8440	
15 minute winter	Pond Outlet	1.018	S13	0.4	0.228	0.006	0.0673	
15 minute winter	S13	Pump	Final Outfall	0.0				0.0
15 minute winter	PP-S26	1.000_1	S26	1.8	0.495	0.047	0.0361	
15 minute winter	PP-S25	2.000_1	S25	1.8	0.648	0.031	0.0138	
15 minute winter	PP-S16	3.000_1	S16	3.3	0.868	0.049	0.0190	
15 minute winter	PP-S145	4.000_2	S145	4.0	1.072	0.047	0.0185	
15 minute winter	PP-S4	1.000_2	S4	2.9	0.742	0.051	0.0194	
15 minute winter	PP-S1	4.000_1	S1	2.2	0.761	0.033	0.0144	

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Results for 1 year 15 minute winter. 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 winter	PP-S5	20	0.539	0.039	5.4	1.5357	0.0000	OK
15 minute winter	PP-S12	20	0.521	0.021	2.0	0.6170	0.0000	OK
15 minute winter	PP-S14	24	0.504	0.004	0.1	0.0801	0.0000	OK
15 minute winter	PP-S2	21	0.523	0.023	2.9	1.1831	0.0000	OK
15 minute winter	PP-S15	19	0.523	0.023	2.2	0.5198	0.0000	OK
15 minute winter	PP-S75	19	0.522	0.022	2.2	0.5514	0.0000	OK
15 minute winter	PP-S24	19	0.533	0.033	5.4	1.3648	0.0000	OK
15 minute winter	PP-S30	19	0.520	0.020	2.0	0.4962	0.0000	OK
15 minute winter	PP-S33	18	0.522	0.022	2.4	0.4788	0.0000	OK
15 minute winter	PP-S34	19	0.529	0.029	4.6	1.1471	0.0000	OK
15 minute winter	PP-S35	18	0.512	0.012	0.7	0.1683	0.0000	OK
15 minute winter	PP-S36	19	0.526	0.026	3.6	0.7204	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	4.4	1.008	0.060	0.0220	
15 minute winter	PP-S12	8.000_1	S12	1.5	0.859	0.017	0.0090	
15 minute winter	PP-S14	11.000_1	S14	0.0	0.327	0.000	0.0006	
15 minute winter	PP-S2	10.000_1	S2	1.9	0.919	0.021	0.0106	
15 minute winter	PP-S15	12.000_1	S15	2.0	0.942	0.021	0.0104	
15 minute winter	PP-S75	13.000_1	S75	1.9	0.959	0.019	0.0097	
15 minute winter	PP-S24	14.000_1	S92	4.6	1.284	0.045	0.0180	
15 minute winter	PP-S30	18.000_1	S30	1.8	1.028	0.016	0.0086	
15 minute winter	PP-S33	20.000_1	S33	2.2	1.109	0.019	0.0097	
15 minute winter	PP-S34	21.000_1	S34	4.0	1.360	0.034	0.0146	
15 minute winter	PP-S35	22.000_2	S35	0.6	0.804	0.005	0.0038	
15 minute winter	PP-S36	23.000_2	S36	3.2	1.285	0.027	0.0126	

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Results for 1 year 30 minute summer. 1470 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
30 minute summer	S26	26	-0.077	0.161	4.0	0.2837	0.0000	OK
30 minute summer	S25	27	-0.079	0.165	3.4	0.4192	0.0000	OK
30 minute summer	S16	27	-0.081	0.186	15.9	0.8267	0.0000	OK
30 minute summer	S145	30	-0.090	0.225	24.0	0.9670	0.0000	OK
30 minute summer	S4	28	-0.081	0.162	9.1	0.2854	0.0000	OK
30 minute summer	S5	29	-0.081	0.203	15.6	0.3578	0.0000	OK
30 minute summer	S9	30	-0.077	0.219	6.2	0.5045	0.0000	OK
30 minute summer	S10	30	-0.082	0.239	7.5	0.4226	0.0000	OK
30 minute summer	S11	30	-0.083	0.243	24.1	0.4295	0.0000	OK
30 minute summer	S12	30	-0.086	0.249	26.7	0.4393	0.0000	OK
30 minute summer	S1	34	-0.075	0.189	9.0	0.4447	0.0000	OK
30 minute summer	S3	33	-0.086	0.221	16.1	0.7083	0.0000	OK
30 minute summer	S2	32	-0.088	0.248	12.5	0.4376	0.0000	OK
30 minute summer	S14	31	-0.087	0.222	12.3	0.3931	0.0000	OK
30 minute summer	S15	31	-0.089	0.257	42.3	1.1560	0.0000	OK
30 minute summer	S75	31	-0.092	0.270	36.0	0.6865	0.0000	OK
30 minute summer	S87	34	-0.095	0.191	13.4	0.6188	0.0000	OK
30 minute summer	S88	33	-0.096	0.212	23.9	0.6921	0.0000	OK
30 minute summer	S89	33	-0.095	0.235	31.6	0.7622	0.0000	OK
30 minute summer	S90	33	-0.097	0.255	39.4	0.8135	0.0000	OK
30 minute summer	S92	34	-0.100	0.279	38.7	0.7109	0.0000	OK
30 minute summer	S81	34	-0.110	0.192	13.4	0.6214	0.0000	OK
30 minute summer	S82	33	-0.110	0.214	23.7	0.6947	0.0000	OK
30 minute summer	S83	33	-0.109	0.236	31.2	0.7612	0.0000	OK
30 minute summer	S84	33	-0.110	0.257	37.8	0.8159	0.0000	OK
30 minute summer	S86	34	-0.110	0.283	40.5	0.7200	0.0000	OK
30 minute summer	S76	32	-0.122	0.195	13.4	0.6262	0.0000	OK
30 minute summer	S77	31	-0.122	0.217	23.7	0.7011	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	2.7	-0.105	0.038	3.2611	
30 minute summer	S25	2.000	S16	2.7	-0.091	0.038	2.6527	
30 minute summer	S16	1.001	S145	14.5	0.209	0.203	6.5820	
30 minute summer	S145	1.002	S75	21.7	0.301	0.307	8.4203	
30 minute summer	S4	3.000	S5	-6.5	-0.175	-0.092	4.9749	
30 minute summer	S5	3.001	S11	-11.6	-0.217	-0.162	6.4491	
30 minute summer	S9	4.000	S10	4.6	0.282	0.065	4.1259	
30 minute summer	S10	4.001	S11	-7.5	0.283	-0.098	0.7519	
30 minute summer	S11	3.002	S12	-24.1	-0.407	-0.342	1.6066	
30 minute summer	S12	3.003	S15	-25.4	-0.360	-0.369	2.1281	
30 minute summer	S1	5.000	S3	6.5	-0.123	0.091	5.9742	
30 minute summer	S3	5.001	S2	11.6	0.342	0.164	4.8316	
30 minute summer	S2	5.002	S15	9.7	0.189	0.143	1.9685	
30 minute summer	S14	6.000	S15	-12.3	-0.279	-0.175	6.4273	
30 minute summer	S15	3.004	S75	-26.0	-0.354	-0.363	3.0191	
30 minute summer	S75	1.003	S92	34.8	0.346	0.489	3.4045	
30 minute summer	S87	7.000	S88	10.3	0.195	0.145	2.9681	
30 minute summer	S88	7.001	S89	19.1	0.283	0.267	3.4128	
30 minute summer	S89	7.002	S90	27.1	0.373	0.381	3.8320	
30 minute summer	S90	7.003	S92	32.9	0.454	0.467	5.3413	
30 minute summer	S92	1.005	S86	38.1	0.365	0.536	2.8987	
30 minute summer	S81	8.000	S82	10.1	0.194	0.141	3.0106	
30 minute summer	S82	8.001	S83	18.3	0.276	0.263	3.4355	
30 minute summer	S83	8.002	S84	25.6	0.353	0.358	3.8556	
30 minute summer	S84	8.003	S86	30.7	0.404	0.433	5.1304	
30 minute summer	S86	1.006	S30	40.7	0.389	0.573	2.9376	
30 minute summer	S76	9.000	S77	10.0	0.196	0.140	3.0610	
30 minute summer	S77	9.001	S78	17.9	0.272	0.252	3.4960	

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Results for 1 year 30 minute summer. 1470 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
30 minute summer	S78	31	-0.122	0.239	31.0	0.7686	0.0000	OK
30 minute summer	S79	32	-0.122	0.260	37.0	0.8217	0.0000	OK
30 minute summer	S30	32	-0.122	0.285	58.7	0.7260	0.0000	OK
30 minute summer	S31	35	-0.134	0.202	14.5	0.6678	0.0000	OK
30 minute summer	S32	26	-0.133	0.246	24.4	0.7589	0.0000	OK
30 minute summer	S33	27	-0.136	0.287	57.5	0.7292	0.0000	OK
30 minute summer	S34	27	-0.151	0.288	52.2	0.5086	0.0000	OK
30 minute summer	S35	28	-0.177	0.289	49.6	0.5115	0.0000	OK
30 minute summer	S36	28	-0.185	0.257	7.4	0.4535	0.0000	OK
30 minute summer	S37	29	-0.186	0.285	61.0	1.3996	0.0000	OK
30 minute summer	S38	35	-0.240	0.276	56.2	0.4871	0.0000	OK
30 minute summer	S39	38	-0.295	0.267	54.1	0.4715	0.0000	OK
30 minute summer	S56	38	-0.308	0.251	3.5	0.4434	0.0000	OK
30 minute summer	S57	38	-0.308	0.257	52.5	0.6539	0.0000	OK
30 minute summer	S125	38	-0.337	0.218	11.4	0.3857	0.0000	OK
30 minute summer	S127	39	-0.337	0.242	51.7	0.6157	0.0000	OK
30 minute summer	S119	38	-0.377	0.192	8.4	0.3388	0.0000	OK
30 minute summer	S60	39	-0.377	0.216	51.3	0.5490	0.0000	OK
30 minute summer	Pond Inlet 1	40	-0.460	0.150	50.9	0.2657	0.0000	OK
30 minute summer	Pond Outlet	1442	-0.559	0.051	41.8	0.0581	0.0000	OK
30 minute summer	S13	919	-0.559	0.079	0.5	0.2754	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	0.533	0.033	2.4	1.0362	0.0000	OK
30 minute summer	PP-S25	28	0.528	0.028	2.1	0.6896	0.0000	OK
30 minute summer	PP-S16	28	0.534	0.034	3.7	1.1089	0.0000	OK
30 minute summer	PP-S145	27	0.534	0.034	4.2	1.1217	0.0000	OK
30 minute summer	PP-S4	28	0.535	0.035	3.3	1.1369	0.0000	OK
30 minute summer	PP-S1	33	0.530	0.030	8.4	7.1482	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	24.7	0.344	0.355	3.9113	
30 minute summer	S79	9.003	S30	29.5	0.394	0.411	4.8750	
30 minute summer	S30	1.007	S33	54.2	0.566	0.761	3.3639	
30 minute summer	S31	10.000	S32	11.7	0.290	0.166	6.7573	
30 minute summer	S32	10.001	S33	11.4	0.287	0.159	8.3836	
30 minute summer	S33	1.008	S34	49.0	0.552	0.695	3.4440	
30 minute summer	S34	1.009	S35	49.1	0.545	0.691	5.7565	
30 minute summer	S35	1.010	S37	49.0	0.507	0.738	1.2085	
30 minute summer	S36	11.000	S37	-5.1	-0.119	-0.071	5.7263	
30 minute summer	S37	1.011	S38	56.2	0.613	0.796	9.3408	
30 minute summer	S38	1.012	S39	54.1	0.627	0.757	9.0185	
30 minute summer	S39	1.013	S57	52.5	0.672	0.828	0.7135	
30 minute summer	S56	12.011	S57	-3.5	-0.307	-0.051	1.2010	
30 minute summer	S57	1.014	S127	51.5	0.726	0.728	2.5299	
30 minute summer	S125	21.003	S127	-11.4	-0.340	-0.164	4.0140	
30 minute summer	S127	1.015	S60	51.0	0.740	0.716	2.2412	
30 minute summer	S119	22.003	S60	-8.4	-0.290	-0.121	3.4331	
30 minute summer	S60	1.016	Pond Inlet 1	50.9	0.843	0.672	1.8090	
30 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	41.8	0.030	0.001	247.4136	
30 minute summer	Pond Outlet	1.018	S13	0.5	0.239	0.007	0.0777	
30 minute summer	S13	Pump	Final Outfall	0.0				0.0
30 minute summer	PP-S26	1.000_1	S26	1.8	0.496	0.047	0.0363	
30 minute summer	PP-S25	2.000_1	S25	1.8	0.647	0.031	0.0137	
30 minute summer	PP-S16	3.000_1	S16	3.2	0.862	0.048	0.0186	
30 minute summer	PP-S145	4.000_2	S145	3.9	1.063	0.046	0.0181	
30 minute summer	PP-S4	1.000_2	S4	2.8	0.738	0.050	0.0192	
30 minute summer	PP-S1	4.000_1	S1	2.4	0.783	0.036	0.0154	

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Results for 1 year 30 minute summer. 1470 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
30 minute summer	PP-S5	28	0.538	0.038	4.9	1.4924	0.0000	OK
30 minute summer	PP-S12	28	0.521	0.021	1.8	0.6133	0.0000	OK
30 minute summer	PP-S14	32	0.504	0.004	0.1	0.0835	0.0000	OK
30 minute summer	PP-S2	29	0.523	0.023	2.6	1.1834	0.0000	OK
30 minute summer	PP-S15	27	0.523	0.023	2.1	0.5053	0.0000	OK
30 minute summer	PP-S75	27	0.522	0.022	2.0	0.5380	0.0000	OK
30 minute summer	PP-S24	27	0.533	0.033	4.9	1.3218	0.0000	OK
30 minute summer	PP-S30	27	0.520	0.020	1.9	0.4845	0.0000	OK
30 minute summer	PP-S33	26	0.521	0.021	2.2	0.4602	0.0000	OK
30 minute summer	PP-S34	27	0.529	0.029	4.2	1.1158	0.0000	OK
30 minute summer	PP-S35	27	0.511	0.011	0.6	0.1579	0.0000	OK
30 minute summer	PP-S36	26	0.526	0.026	3.3	0.6922	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	4.3	1.000	0.058	0.0216	
30 minute summer	PP-S12	8.000_1	S12	1.5	0.858	0.017	0.0090	
30 minute summer	PP-S14	11.000_1	S14	0.0	0.330	0.000	0.0006	
30 minute summer	PP-S2	10.000_1	S2	1.9	0.919	0.021	0.0106	
30 minute summer	PP-S15	12.000_1	S15	1.9	0.934	0.020	0.0102	
30 minute summer	PP-S75	13.000_1	S75	1.8	0.952	0.018	0.0095	
30 minute summer	PP-S24	14.000_1	S92	4.5	1.272	0.043	0.0175	
30 minute summer	PP-S30	18.000_1	S30	1.7	1.021	0.015	0.0084	
30 minute summer	PP-S33	20.000_1	S33	2.1	1.095	0.018	0.0094	
30 minute summer	PP-S34	21.000_1	S34	3.9	1.348	0.033	0.0143	
30 minute summer	PP-S35	22.000_2	S35	0.6	0.787	0.005	0.0036	
30 minute summer	PP-S36	23.000_2	S36	3.1	1.269	0.026	0.0122	

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Results for 1 year 30 minute winter. 1470 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
30 minute winter	S26	28	-0.064	0.174	4.1	0.3066	0.0000	OK
30 minute winter	S25	27	-0.065	0.179	3.3	0.4560	0.0000	OK
30 minute winter	S16	28	-0.066	0.201	16.1	0.8932	0.0000	OK
30 minute winter	S145	32	-0.068	0.247	25.4	1.0635	0.0000	OK
30 minute winter	S4	30	-0.055	0.188	9.8	0.3316	0.0000	OK
30 minute winter	S5	30	-0.059	0.225	17.2	0.3980	0.0000	OK
30 minute winter	S9	29	-0.058	0.238	6.0	0.5477	0.0000	OK
30 minute winter	S10	29	-0.063	0.258	6.4	0.4567	0.0000	OK
30 minute winter	S11	29	-0.064	0.262	24.4	0.4638	0.0000	OK
30 minute winter	S12	30	-0.066	0.269	27.6	0.4753	0.0000	OK
30 minute winter	S1	33	-0.055	0.209	8.3	0.4931	0.0000	OK
30 minute winter	S3	34	-0.062	0.245	15.2	0.7843	0.0000	OK
30 minute winter	S2	34	-0.064	0.272	11.3	0.4798	0.0000	OK
30 minute winter	S14	35	-0.064	0.245	11.4	0.4329	0.0000	OK
30 minute winter	S15	34	-0.066	0.280	41.7	1.2588	0.0000	OK
30 minute winter	S75	33	-0.070	0.292	38.6	0.7440	0.0000	OK
30 minute winter	S87	33	-0.072	0.214	12.1	0.6944	0.0000	OK
30 minute winter	S88	33	-0.073	0.235	22.1	0.7656	0.0000	OK
30 minute winter	S89	32	-0.074	0.256	29.8	0.8291	0.0000	OK
30 minute winter	S90	32	-0.075	0.277	37.2	0.8808	0.0000	OK
30 minute winter	S92	33	-0.077	0.302	42.8	0.7692	0.0000	OK
30 minute winter	S81	33	-0.088	0.214	12.1	0.6925	0.0000	OK
30 minute winter	S82	33	-0.088	0.236	21.8	0.7661	0.0000	OK
30 minute winter	S83	34	-0.088	0.257	29.0	0.8300	0.0000	OK
30 minute winter	S84	33	-0.088	0.279	35.3	0.8859	0.0000	OK
30 minute winter	S86	33	-0.087	0.306	45.1	0.7784	0.0000	OK
30 minute winter	S76	31	-0.101	0.216	12.1	0.6956	0.0000	OK
30 minute winter	S77	31	-0.101	0.238	21.7	0.7700	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	-2.5	-0.101	-0.035	3.6298	
30 minute winter	S25	2.000	S16	2.1	-0.100	0.030	2.9503	
30 minute winter	S16	1.001	S145	12.9	0.165	0.181	7.4200	
30 minute winter	S145	1.002	S75	22.9	0.311	0.325	9.3746	
30 minute winter	S4	3.000	S5	-6.9	-0.173	-0.099	5.8706	
30 minute winter	S5	3.001	S11	-12.7	-0.222	-0.178	7.2469	
30 minute winter	S9	4.000	S10	4.0	0.268	0.057	4.5586	
30 minute winter	S10	4.001	S11	-6.4	0.341	-0.085	0.8269	
30 minute winter	S11	3.002	S12	-24.4	-0.398	-0.346	1.7656	
30 minute winter	S12	3.003	S15	-26.2	-0.360	-0.381	2.3497	
30 minute winter	S1	5.000	S3	6.1	0.119	0.086	6.8130	
30 minute winter	S3	5.001	S2	10.5	0.331	0.148	5.4566	
30 minute winter	S2	5.002	S15	10.3	0.219	0.151	2.1937	
30 minute winter	S14	6.000	S15	-11.4	-0.271	-0.162	7.1721	
30 minute winter	S15	3.004	S75	-25.2	-0.336	-0.352	3.3273	
30 minute winter	S75	1.003	S92	37.9	0.346	0.533	3.7428	
30 minute winter	S87	7.000	S88	9.7	0.182	0.136	3.4262	
30 minute winter	S88	7.001	S89	18.0	0.273	0.252	3.8281	
30 minute winter	S89	7.002	S90	25.7	0.357	0.360	4.2341	
30 minute winter	S90	7.003	S92	31.4	0.435	0.445	5.8662	
30 minute winter	S92	1.005	S86	42.8	0.379	0.602	3.1718	
30 minute winter	S81	8.000	S82	9.4	0.181	0.132	3.4417	
30 minute winter	S82	8.001	S83	16.7	0.265	0.239	3.8519	
30 minute winter	S83	8.002	S84	23.8	0.341	0.333	4.2688	
30 minute winter	S84	8.003	S86	29.2	0.401	0.411	5.6420	
30 minute winter	S86	1.006	S30	45.4	0.400	0.640	3.2121	
30 minute winter	S76	9.000	S77	9.3	0.182	0.131	3.4819	
30 minute winter	S77	9.001	S78	16.3	0.262	0.228	3.9058	

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Results for 1 year 30 minute winter. 1470 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
30 minute winter	S78	32	-0.101	0.260	28.7	0.8366	0.0000	OK
30 minute winter	S79	33	-0.100	0.282	34.2	0.8914	0.0000	OK
30 minute winter	S30	33	-0.099	0.308	59.8	0.7845	0.0000	OK
30 minute winter	S31	34	-0.114	0.222	13.1	0.7346	0.0000	OK
30 minute winter	S32	35	-0.114	0.265	21.9	0.8178	0.0000	OK
30 minute winter	S33	33	-0.114	0.309	57.9	0.7869	0.0000	OK
30 minute winter	S34	32	-0.130	0.309	55.6	0.5459	0.0000	OK
30 minute winter	S35	29	-0.156	0.310	54.6	0.5485	0.0000	OK
30 minute winter	S36	30	-0.165	0.277	7.8	0.4890	0.0000	OK
30 minute winter	S37	29	-0.166	0.305	66.5	1.5004	0.0000	OK
30 minute winter	S38	35	-0.220	0.296	63.4	0.5222	0.0000	OK
30 minute winter	S39	37	-0.278	0.284	60.4	0.5026	0.0000	OK
30 minute winter	S56	37	-0.291	0.268	3.8	0.4730	0.0000	OK
30 minute winter	S57	37	-0.291	0.274	58.6	0.6966	0.0000	OK
30 minute winter	S125	37	-0.321	0.234	12.5	0.4127	0.0000	OK
30 minute winter	S127	38	-0.322	0.257	57.9	0.6549	0.0000	OK
30 minute winter	S119	39	-0.363	0.206	9.4	0.3634	0.0000	OK
30 minute winter	S60	38	-0.364	0.229	57.3	0.5839	0.0000	OK
30 minute winter	Pond Inlet 1	41	-0.448	0.162	57.0	0.2866	0.0000	OK
30 minute winter	Pond Outlet	1406	-0.553	0.057	47.3	0.0645	0.0000	OK
30 minute winter	S13	721	-0.553	0.085	0.5	0.2950	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	0.535	0.035	2.6	1.1104	0.0000	OK
30 minute winter	PP-S25	27	0.529	0.029	2.3	0.7448	0.0000	OK
30 minute winter	PP-S16	27	0.536	0.036	4.1	1.2106	0.0000	OK
30 minute winter	PP-S145	27	0.535	0.035	4.7	1.2208	0.0000	OK
30 minute winter	PP-S4	28	0.537	0.037	3.7	1.2375	0.0000	OK
30 minute winter	PP-S1	34	0.532	0.032	9.4	7.9194	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	22.6	0.332	0.324	4.3249	
30 minute winter	S79	9.003	S30	27.9	0.385	0.389	5.3474	
30 minute winter	S30	1.007	S33	55.8	0.563	0.784	3.6736	
30 minute winter	S31	10.000	S32	10.4	0.273	0.148	7.5377	
30 minute winter	S32	10.001	S33	10.6	0.312	0.148	9.1777	
30 minute winter	S33	1.008	S34	51.5	0.535	0.730	3.7441	
30 minute winter	S34	1.009	S35	54.0	0.529	0.760	6.2430	
30 minute winter	S35	1.010	S37	54.3	0.486	0.817	1.3087	
30 minute winter	S36	11.000	S37	-5.6	-0.128	-0.079	6.2322	
30 minute winter	S37	1.011	S38	63.4	0.613	0.897	10.1306	
30 minute winter	S38	1.012	S39	60.4	0.632	0.845	9.7562	
30 minute winter	S39	1.013	S57	58.6	0.691	0.925	0.7699	
30 minute winter	S56	12.011	S57	-3.8	-0.299	-0.056	1.2978	
30 minute winter	S57	1.014	S127	57.7	0.740	0.816	2.7314	
30 minute winter	S125	21.003	S127	-12.5	-0.340	-0.180	4.3523	
30 minute winter	S127	1.015	S60	57.2	0.760	0.803	2.4217	
30 minute winter	S119	22.003	S60	-9.4	-0.296	-0.135	3.7378	
30 minute winter	S60	1.016	Pond Inlet 1	57.0	0.863	0.753	1.9773	
30 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	47.3	0.032	0.001	276.9175	
30 minute winter	Pond Outlet	1.018	S13	0.5	0.247	0.007	0.0873	
30 minute winter	S13	Pump	Final Outfall	0.0				0.0
30 minute winter	PP-S26	1.000_1	S26	1.9	0.506	0.050	0.0381	
30 minute winter	PP-S25	2.000_1	S25	1.9	0.662	0.033	0.0145	
30 minute winter	PP-S16	3.000_1	S16	3.5	0.884	0.052	0.0199	
30 minute winter	PP-S145	4.000_2	S145	4.2	1.090	0.050	0.0193	
30 minute winter	PP-S4	1.000_2	S4	3.1	0.756	0.054	0.0204	
30 minute winter	PP-S1	4.000_1	S1	2.8	0.816	0.042	0.0170	

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Results for 1 year 30 minute winter. 1470 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
30 minute winter	PP-S5	27	0.540	0.040	5.5	1.6325	0.0000	OK
30 minute winter	PP-S12	28	0.522	0.022	2.0	0.6685	0.0000	OK
30 minute winter	PP-S14	33	0.505	0.005	0.1	0.0901	0.0000	OK
30 minute winter	PP-S2	29	0.524	0.024	2.9	1.2950	0.0000	OK
30 minute winter	PP-S15	26	0.524	0.024	2.3	0.5502	0.0000	OK
30 minute winter	PP-S75	27	0.522	0.022	2.2	0.5829	0.0000	OK
30 minute winter	PP-S24	27	0.534	0.034	5.5	1.4446	0.0000	OK
30 minute winter	PP-S30	26	0.521	0.021	2.1	0.5214	0.0000	OK
30 minute winter	PP-S33	26	0.522	0.022	2.4	0.4968	0.0000	OK
30 minute winter	PP-S34	27	0.530	0.030	4.7	1.2131	0.0000	OK
30 minute winter	PP-S35	26	0.512	0.012	0.7	0.1779	0.0000	OK
30 minute winter	PP-S36	26	0.527	0.027	3.6	0.7530	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	4.7	1.026	0.064	0.0230	
30 minute winter	PP-S12	8.000_1	S12	1.7	0.880	0.019	0.0096	
30 minute winter	PP-S14	11.000_1	S14	0.0	0.333	0.001	0.0007	
30 minute winter	PP-S2	10.000_1	S2	2.1	0.944	0.023	0.0113	
30 minute winter	PP-S15	12.000_1	S15	2.1	0.959	0.022	0.0108	
30 minute winter	PP-S75	13.000_1	S75	2.0	0.976	0.020	0.0101	
30 minute winter	PP-S24	14.000_1	S92	4.9	1.306	0.048	0.0187	
30 minute winter	PP-S30	18.000_1	S30	1.9	1.044	0.017	0.0089	
30 minute winter	PP-S33	20.000_1	S33	2.2	1.121	0.020	0.0100	
30 minute winter	PP-S34	21.000_1	S34	4.2	1.384	0.036	0.0152	
30 minute winter	PP-S35	22.000_2	S35	0.7	0.819	0.005	0.0040	
30 minute winter	PP-S36	23.000_2	S36	3.4	1.302	0.028	0.0130	

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Results for 1 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	52	-0.071	0.167	3.0	0.2953	0.0000	OK
60 minute summer	S25	52	-0.071	0.173	2.7	0.4406	0.0000	OK
60 minute summer	S16	52	-0.071	0.196	13.1	0.8691	0.0000	OK
60 minute summer	S145	51	-0.072	0.243	21.4	1.0485	0.0000	OK
60 minute summer	S4	45	-0.068	0.175	6.2	0.3098	0.0000	OK
60 minute summer	S5	44	-0.069	0.215	13.9	0.3807	0.0000	OK
60 minute summer	S9	51	-0.072	0.224	3.7	0.5166	0.0000	OK
60 minute summer	S10	50	-0.072	0.249	4.0	0.4401	0.0000	OK
60 minute summer	S11	50	-0.072	0.254	18.3	0.4488	0.0000	OK
60 minute summer	S12	50	-0.072	0.263	20.3	0.4652	0.0000	OK
60 minute summer	S1	47	-0.065	0.199	5.3	0.4676	0.0000	OK
60 minute summer	S3	48	-0.069	0.238	11.8	0.7621	0.0000	OK
60 minute summer	S2	49	-0.071	0.265	8.6	0.4686	0.0000	OK
60 minute summer	S14	50	-0.070	0.239	4.7	0.4223	0.0000	OK
60 minute summer	S15	50	-0.072	0.274	32.3	1.2355	0.0000	OK
60 minute summer	S75	50	-0.073	0.289	35.1	0.7343	0.0000	OK
60 minute summer	S87	48	-0.077	0.209	10.0	0.6791	0.0000	OK
60 minute summer	S88	48	-0.077	0.231	18.0	0.7528	0.0000	OK
60 minute summer	S89	48	-0.078	0.252	24.2	0.8171	0.0000	OK
60 minute summer	S90	49	-0.079	0.273	30.1	0.8705	0.0000	OK
60 minute summer	S92	50	-0.079	0.300	40.6	0.7624	0.0000	OK
60 minute summer	S81	51	-0.087	0.215	10.0	0.6952	0.0000	OK
60 minute summer	S82	51	-0.087	0.237	17.8	0.7704	0.0000	OK
60 minute summer	S83	51	-0.087	0.258	23.6	0.8327	0.0000	OK
60 minute summer	S84	51	-0.088	0.279	29.0	0.8865	0.0000	OK
60 minute summer	S86	51	-0.088	0.305	44.5	0.7759	0.0000	OK
60 minute summer	S76	52	-0.097	0.220	10.0	0.7077	0.0000	OK
60 minute summer	S77	52	-0.097	0.242	17.7	0.7819	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	1.7	-0.046	0.024	3.4787	
60 minute summer	S25	2.000	S16	1.6	0.037	0.022	2.8352	
60 minute summer	S16	1.001	S145	10.3	0.164	0.144	7.2763	
60 minute summer	S145	1.002	S75	18.6	0.234	0.263	9.2266	
60 minute summer	S4	3.000	S5	-3.9	-0.128	-0.055	5.4597	
60 minute summer	S5	3.001	S11	-10.2	-0.176	-0.143	6.8884	
60 minute summer	S9	4.000	S10	1.7	0.146	0.024	4.2972	
60 minute summer	S10	4.001	S11	-4.0	0.166	-0.053	0.7924	
60 minute summer	S11	3.002	S12	-18.3	-0.291	-0.259	1.7099	
60 minute summer	S12	3.003	S15	-19.0	-0.277	-0.277	2.2969	
60 minute summer	S1	5.000	S3	4.4	0.130	0.061	6.4852	
60 minute summer	S3	5.001	S2	6.9	0.196	0.097	5.2793	
60 minute summer	S2	5.002	S15	8.7	0.148	0.127	2.1394	
60 minute summer	S14	6.000	S15	-4.7	-0.129	-0.066	6.9963	
60 minute summer	S15	3.004	S75	-19.2	-0.245	-0.269	3.2692	
60 minute summer	S75	1.003	S92	34.3	0.318	0.481	3.6962	
60 minute summer	S87	7.000	S88	7.9	0.157	0.110	3.3423	
60 minute summer	S88	7.001	S89	14.5	0.229	0.203	3.7579	
60 minute summer	S89	7.002	S90	20.6	0.292	0.289	4.1662	
60 minute summer	S90	7.003	S92	25.5	0.331	0.361	5.8025	
60 minute summer	S92	1.005	S86	40.0	0.354	0.563	3.1493	
60 minute summer	S81	8.000	S82	7.6	0.148	0.107	3.4628	
60 minute summer	S82	8.001	S83	13.8	0.209	0.197	3.8768	
60 minute summer	S83	8.002	S84	19.5	0.262	0.273	4.2825	
60 minute summer	S84	8.003	S86	24.1	0.293	0.340	5.6330	
60 minute summer	S86	1.006	S30	44.4	0.386	0.625	3.2053	
60 minute summer	S76	9.000	S77	7.5	0.149	0.105	3.5543	
60 minute summer	S77	9.001	S78	13.4	0.198	0.188	3.9752	

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Results for 1 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	53	-0.097	0.264	23.2	0.8471	0.0000	OK
60 minute summer	S79	52	-0.098	0.284	28.4	0.8973	0.0000	OK
60 minute summer	S30	53	-0.099	0.308	53.3	0.7848	0.0000	OK
60 minute summer	S31	52	-0.112	0.224	10.8	0.7405	0.0000	OK
60 minute summer	S32	52	-0.113	0.266	16.0	0.8225	0.0000	OK
60 minute summer	S33	53	-0.113	0.310	53.4	0.7888	0.0000	OK
60 minute summer	S34	53	-0.130	0.309	54.2	0.5456	0.0000	OK
60 minute summer	S35	53	-0.157	0.309	54.5	0.5460	0.0000	OK
60 minute summer	S36	54	-0.168	0.274	4.0	0.4843	0.0000	OK
60 minute summer	S37	53	-0.168	0.303	62.6	1.4901	0.0000	OK
60 minute summer	S38	55	-0.220	0.296	60.2	0.5235	0.0000	OK
60 minute summer	S39	56	-0.276	0.286	58.2	0.5053	0.0000	OK
60 minute summer	S56	57	-0.290	0.269	1.7	0.4760	0.0000	OK
60 minute summer	S57	57	-0.290	0.275	57.8	0.7008	0.0000	OK
60 minute summer	S125	58	-0.320	0.235	5.4	0.4150	0.0000	OK
60 minute summer	S127	58	-0.320	0.259	57.7	0.6587	0.0000	OK
60 minute summer	S119	58	-0.362	0.207	5.3	0.3659	0.0000	OK
60 minute summer	S60	59	-0.362	0.231	57.6	0.5881	0.0000	OK
60 minute summer	Pond Inlet 1	60	-0.446	0.164	57.5	0.2903	0.0000	OK
60 minute summer	Pond Outlet	1477	-0.546	0.064	52.0	0.0718	0.0000	OK
60 minute summer	S13	1282	-0.546	0.092	0.6	0.3173	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	0.533	0.033	2.3	1.0070	0.0000	OK
60 minute summer	PP-S25	42	0.527	0.027	2.0	0.6526	0.0000	OK
60 minute summer	PP-S16	42	0.534	0.034	3.5	1.0589	0.0000	OK
60 minute summer	PP-S145	42	0.533	0.033	4.0	1.0642	0.0000	OK
60 minute summer	PP-S4	42	0.534	0.034	3.2	1.0855	0.0000	OK
60 minute summer	PP-S1	50	0.532	0.032	8.0	7.7168	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	18.9	0.246	0.271	4.3786	
60 minute summer	S79	9.003	S30	23.3	0.277	0.324	5.3683	
60 minute summer	S30	1.007	S33	49.9	0.508	0.700	3.6794	
60 minute summer	S31	10.000	S32	6.5	0.172	0.092	7.6068	
60 minute summer	S32	10.001	S33	5.5	0.210	0.077	9.2391	
60 minute summer	S33	1.008	S34	52.4	0.494	0.743	3.7480	
60 minute summer	S34	1.009	S35	54.2	0.488	0.763	6.2303	
60 minute summer	S35	1.010	S37	54.5	0.474	0.820	1.3004	
60 minute summer	S36	11.000	S37	2.6	-0.073	0.037	6.1757	
60 minute summer	S37	1.011	S38	60.2	0.581	0.852	10.1376	
60 minute summer	S38	1.012	S39	58.2	0.582	0.815	9.8064	
60 minute summer	S39	1.013	S57	57.8	0.599	0.912	0.7750	
60 minute summer	S56	12.011	S57	-1.7	-0.204	-0.024	1.3073	
60 minute summer	S57	1.014	S127	57.7	0.635	0.816	2.7511	
60 minute summer	S125	21.003	S127	-5.4	-0.230	-0.077	4.3900	
60 minute summer	S127	1.015	S60	57.6	0.661	0.809	2.4404	
60 minute summer	S119	22.003	S60	-5.3	-0.219	-0.076	3.7768	
60 minute summer	S60	1.016	Pond Inlet 1	57.5	0.860	0.760	2.0033	
60 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	52.0	0.033	0.001	310.2589	
60 minute summer	Pond Outlet	1.018	S13	0.6	0.250	0.008	0.0986	
60 minute summer	S13	Pump	Final Outfall	0.0				0.0
60 minute summer	PP-S26	1.000_1	S26	1.7	0.491	0.045	0.0355	
60 minute summer	PP-S25	2.000_1	S25	1.7	0.636	0.029	0.0131	
60 minute summer	PP-S16	3.000_1	S16	3.1	0.850	0.045	0.0180	
60 minute summer	PP-S145	4.000_2	S145	3.7	1.047	0.043	0.0175	
60 minute summer	PP-S4	1.000_2	S4	2.7	0.728	0.047	0.0186	
60 minute summer	PP-S1	4.000_1	S1	2.7	0.807	0.040	0.0166	

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Results for 1 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	42	0.537	0.037	4.7	1.4275	0.0000	OK
60 minute summer	PP-S12	42	0.520	0.020	1.7	0.5848	0.0000	OK
60 minute summer	PP-S14	49	0.505	0.005	0.1	0.0963	0.0000	OK
60 minute summer	PP-S2	44	0.523	0.023	2.5	1.1594	0.0000	OK
60 minute summer	PP-S15	41	0.522	0.022	2.0	0.4775	0.0000	OK
60 minute summer	PP-S75	42	0.521	0.021	1.9	0.5118	0.0000	OK
60 minute summer	PP-S24	42	0.532	0.032	4.7	1.2597	0.0000	OK
60 minute summer	PP-S30	41	0.519	0.019	1.8	0.4587	0.0000	OK
60 minute summer	PP-S33	40	0.521	0.021	2.1	0.4385	0.0000	OK
60 minute summer	PP-S34	42	0.528	0.028	4.0	1.0590	0.0000	OK
60 minute summer	PP-S35	41	0.511	0.011	0.6	0.1564	0.0000	OK
60 minute summer	PP-S36	41	0.525	0.025	3.1	0.6556	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	4.1	0.988	0.056	0.0209	
60 minute summer	PP-S12	8.000_1	S12	1.5	0.845	0.016	0.0087	
60 minute summer	PP-S14	11.000_1	S14	0.0	0.336	0.001	0.0007	
60 minute summer	PP-S2	10.000_1	S2	1.9	0.913	0.021	0.0104	
60 minute summer	PP-S15	12.000_1	S15	1.8	0.918	0.019	0.0098	
60 minute summer	PP-S75	13.000_1	S75	1.7	0.938	0.017	0.0092	
60 minute summer	PP-S24	14.000_1	S92	4.2	1.254	0.041	0.0169	
60 minute summer	PP-S30	18.000_1	S30	1.6	1.002	0.015	0.0081	
60 minute summer	PP-S33	20.000_1	S33	2.0	1.079	0.017	0.0091	
60 minute summer	PP-S34	21.000_1	S34	3.7	1.327	0.031	0.0138	
60 minute summer	PP-S35	22.000_2	S35	0.6	0.785	0.005	0.0036	
60 minute summer	PP-S36	23.000_2	S36	2.9	1.247	0.025	0.0117	

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Results for 1 year 60 minute winter. 1500 minute analysis at 1 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	S26	51	-0.046	0.192	2.3	0.3384	0.0000	OK
60 minute winter	S25	51	-0.046	0.198	2.1	0.5027	0.0000	OK
60 minute winter	S16	51	-0.047	0.220	12.2	0.9768	0.0000	OK
60 minute winter	S145	50	-0.049	0.266	20.3	1.1465	0.0000	OK
60 minute winter	S4	51	-0.047	0.196	5.0	0.3469	0.0000	OK
60 minute winter	S5	52	-0.048	0.236	11.5	0.4177	0.0000	OK
60 minute winter	S9	52	-0.048	0.248	3.1	0.5713	0.0000	OK
60 minute winter	S10	52	-0.048	0.273	3.8	0.4816	0.0000	OK
60 minute winter	S11	52	-0.049	0.277	15.8	0.4903	0.0000	OK
60 minute winter	S12	53	-0.049	0.286	17.9	0.5054	0.0000	OK
60 minute winter	S1	54	-0.048	0.216	4.4	0.5093	0.0000	OK
60 minute winter	S3	55	-0.049	0.258	9.2	0.8267	0.0000	OK
60 minute winter	S2	53	-0.049	0.287	7.7	0.5066	0.0000	OK
60 minute winter	S14	54	-0.049	0.260	3.7	0.4596	0.0000	OK
60 minute winter	S15	53	-0.049	0.297	26.6	1.3347	0.0000	OK
60 minute winter	S75	53	-0.051	0.311	32.3	0.7903	0.0000	OK
60 minute winter	S87	50	-0.057	0.229	8.1	0.7444	0.0000	OK
60 minute winter	S88	50	-0.057	0.251	14.8	0.8198	0.0000	OK
60 minute winter	S89	50	-0.057	0.273	20.1	0.8858	0.0000	OK
60 minute winter	S90	50	-0.057	0.295	25.1	0.9400	0.0000	OK
60 minute winter	S92	52	-0.057	0.322	41.4	0.8193	0.0000	OK
60 minute winter	S81	53	-0.064	0.238	8.1	0.7680	0.0000	OK
60 minute winter	S82	52	-0.064	0.260	14.6	0.8435	0.0000	OK
60 minute winter	S83	52	-0.064	0.281	19.6	0.9062	0.0000	OK
60 minute winter	S84	52	-0.064	0.303	24.2	0.9597	0.0000	OK
60 minute winter	S86	52	-0.065	0.328	47.0	0.8354	0.0000	OK
60 minute winter	S76	53	-0.074	0.243	8.1	0.7815	0.0000	OK
60 minute winter	S77	53	-0.074	0.265	14.5	0.8564	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	1.6	0.035	0.023	4.1049	
60 minute winter	S25	2.000	S16	1.4	-0.042	0.020	3.3365	
60 minute winter	S16	1.001	S145	8.1	0.162	0.113	8.2736	
60 minute winter	S145	1.002	S75	16.1	0.245	0.229	10.1455	
60 minute winter	S4	3.000	S5	3.0	0.113	0.043	6.2312	
60 minute winter	S5	3.001	S11	-8.0	-0.147	-0.112	7.7325	
60 minute winter	S9	4.000	S10	1.3	0.163	0.018	4.8337	
60 minute winter	S10	4.001	S11	-3.8	0.177	-0.051	0.8827	
60 minute winter	S11	3.002	S12	-15.8	-0.243	-0.224	1.8939	
60 minute winter	S12	3.003	S15	-16.6	-0.233	-0.241	2.5232	
60 minute winter	S1	5.000	S3	4.2	0.130	0.060	7.2248	
60 minute winter	S3	5.001	S2	6.4	0.216	0.090	5.8147	
60 minute winter	S2	5.002	S15	8.0	0.157	0.118	2.3435	
60 minute winter	S14	6.000	S15	-3.7	-0.152	-0.053	7.7032	
60 minute winter	S15	3.004	S75	18.8	0.207	0.263	3.5647	
60 minute winter	S75	1.003	S92	31.5	0.284	0.442	4.0096	
60 minute winter	S87	7.000	S88	6.5	0.160	0.091	3.7379	
60 minute winter	S88	7.001	S89	11.9	0.211	0.167	4.1607	
60 minute winter	S89	7.002	S90	17.2	0.260	0.241	4.5759	
60 minute winter	S90	7.003	S92	21.5	0.294	0.305	6.3124	
60 minute winter	S92	1.005	S86	41.0	0.336	0.577	3.4126	
60 minute winter	S81	8.000	S82	6.3	0.159	0.088	3.8997	
60 minute winter	S82	8.001	S83	11.4	0.197	0.163	4.3118	
60 minute winter	S83	8.002	S84	16.3	0.231	0.229	4.7143	
60 minute winter	S84	8.003	S86	20.7	0.288	0.291	6.1368	
60 minute winter	S86	1.006	S30	46.8	0.376	0.659	3.4749	
60 minute winter	S76	9.000	S77	6.2	0.160	0.087	4.0000	
60 minute winter	S77	9.001	S78	11.1	0.192	0.155	4.4166	

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Results for 1 year 60 minute winter. 1500 minute analysis at 1 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	S78	52	-0.074	0.287	19.3	0.9216	0.0000	OK
60 minute winter	S79	52	-0.074	0.308	23.7	0.9714	0.0000	OK
60 minute winter	S30	52	-0.075	0.332	53.7	0.8453	0.0000	OK
60 minute winter	S31	53	-0.089	0.247	8.7	0.8178	0.0000	OK
60 minute winter	S32	53	-0.089	0.290	12.0	0.8949	0.0000	OK
60 minute winter	S33	52	-0.089	0.334	57.5	0.8489	0.0000	OK
60 minute winter	S34	52	-0.107	0.332	59.7	0.5872	0.0000	OK
60 minute winter	S35	52	-0.134	0.332	60.1	0.5869	0.0000	OK
60 minute winter	S36	53	-0.145	0.297	3.4	0.5249	0.0000	OK
60 minute winter	S37	52	-0.145	0.326	67.0	1.6030	0.0000	OK
60 minute winter	S38	54	-0.199	0.317	65.6	0.5603	0.0000	OK
60 minute winter	S39	56	-0.258	0.304	64.8	0.5377	0.0000	OK
60 minute winter	S56	57	-0.272	0.287	2.0	0.5068	0.0000	OK
60 minute winter	S57	57	-0.272	0.293	64.5	0.7452	0.0000	OK
60 minute winter	S125	58	-0.304	0.251	5.9	0.4432	0.0000	OK
60 minute winter	S127	58	-0.304	0.275	64.4	0.6993	0.0000	OK
60 minute winter	S119	59	-0.348	0.221	5.4	0.3911	0.0000	OK
60 minute winter	S60	59	-0.348	0.245	64.2	0.6244	0.0000	OK
60 minute winter	Pond Inlet 1	60	-0.433	0.177	64.1	0.3121	0.0000	OK
60 minute winter	Pond Outlet	1434	-0.540	0.070	58.2	0.0797	0.0000	OK
60 minute winter	S13	1360	-0.539	0.099	0.6	0.3414	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	0.533	0.033	2.2	1.0298	0.0000	OK
60 minute winter	PP-S25	42	0.527	0.027	1.9	0.6579	0.0000	OK
60 minute winter	PP-S16	42	0.534	0.034	3.4	1.0589	0.0000	OK
60 minute winter	PP-S145	41	0.533	0.033	4.0	1.0657	0.0000	OK
60 minute winter	PP-S4	43	0.534	0.034	3.1	1.0903	0.0000	OK
60 minute winter	PP-S1	52	0.534	0.034	7.9	8.4534	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	15.8	0.225	0.226	4.8164	
60 minute winter	S79	9.003	S30	20.0	0.284	0.278	5.8457	
60 minute winter	S30	1.007	S33	53.4	0.483	0.750	3.9839	
60 minute winter	S31	10.000	S32	4.4	0.192	0.062	8.4988	
60 minute winter	S32	10.001	S33	4.9	0.225	0.068	10.0926	
60 minute winter	S33	1.008	S34	57.7	0.472	0.818	4.0564	
60 minute winter	S34	1.009	S35	59.7	0.476	0.841	6.7398	
60 minute winter	S35	1.010	S37	60.1	0.484	0.904	1.4072	
60 minute winter	S36	11.000	S37	2.2	-0.083	0.031	6.7339	
60 minute winter	S37	1.011	S38	65.6	0.574	0.928	10.9581	
60 minute winter	S38	1.012	S39	64.8	0.579	0.907	10.5543	
60 minute winter	S39	1.013	S57	64.5	0.597	1.018	0.8323	
60 minute winter	S56	12.011	S57	-2.0	-0.211	-0.030	1.4059	
60 minute winter	S57	1.014	S127	64.4	0.628	0.910	2.9559	
60 minute winter	S125	21.003	S127	-5.9	-0.247	-0.085	4.7392	
60 minute winter	S127	1.015	S60	64.2	0.679	0.901	2.6265	
60 minute winter	S119	22.003	S60	-5.4	-0.224	-0.077	4.0924	
60 minute winter	S60	1.016	Pond Inlet 1	64.1	0.880	0.846	2.1786	
60 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	58.2	0.035	0.001	346.3794	
60 minute winter	Pond Outlet	1.018	S13	0.6	0.256	0.009	0.1110	
60 minute winter	S13	Pump	Final Outfall	0.0				0.0
60 minute winter	PP-S26	1.000_1	S26	1.8	0.495	0.046	0.0361	
60 minute winter	PP-S25	2.000_1	S25	1.7	0.637	0.029	0.0132	
60 minute winter	PP-S16	3.000_1	S16	3.1	0.850	0.045	0.0180	
60 minute winter	PP-S145	4.000_2	S145	3.7	1.047	0.043	0.0175	
60 minute winter	PP-S4	1.000_2	S4	2.7	0.729	0.048	0.0186	
60 minute winter	PP-S1	4.000_1	S1	3.0	0.838	0.046	0.0182	

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Results for 1 year 60 minute winter. 1500 minute analysis at 1 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	PP-S5	42	0.537	0.037	4.6	1.4395	0.0000	OK
60 minute winter	PP-S12	42	0.520	0.020	1.7	0.5920	0.0000	OK
60 minute winter	PP-S14	51	0.505	0.005	0.1	0.1124	0.0000	OK
60 minute winter	PP-S2	44	0.523	0.023	2.5	1.1861	0.0000	OK
60 minute winter	PP-S15	41	0.522	0.022	1.9	0.4764	0.0000	OK
60 minute winter	PP-S75	42	0.521	0.021	1.9	0.5131	0.0000	OK
60 minute winter	PP-S24	42	0.532	0.032	4.6	1.2645	0.0000	OK
60 minute winter	PP-S30	42	0.519	0.019	1.7	0.4527	0.0000	OK
60 minute winter	PP-S33	41	0.521	0.021	2.0	0.4316	0.0000	OK
60 minute winter	PP-S34	41	0.528	0.028	4.0	1.0606	0.0000	OK
60 minute winter	PP-S35	41	0.511	0.011	0.6	0.1578	0.0000	OK
60 minute winter	PP-S36	41	0.525	0.025	3.1	0.6551	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	4.2	0.990	0.056	0.0210	
60 minute winter	PP-S12	8.000_1	S12	1.5	0.848	0.016	0.0087	
60 minute winter	PP-S14	11.000_1	S14	0.1	0.342	0.001	0.0009	
60 minute winter	PP-S2	10.000_1	S2	1.9	0.920	0.021	0.0106	
60 minute winter	PP-S15	12.000_1	S15	1.8	0.918	0.019	0.0098	
60 minute winter	PP-S75	13.000_1	S75	1.7	0.939	0.017	0.0092	
60 minute winter	PP-S24	14.000_1	S92	4.3	1.255	0.042	0.0170	
60 minute winter	PP-S30	18.000_1	S30	1.6	0.998	0.014	0.0080	
60 minute winter	PP-S33	20.000_1	S33	1.9	1.074	0.017	0.0090	
60 minute winter	PP-S34	21.000_1	S34	3.7	1.328	0.031	0.0138	
60 minute winter	PP-S35	22.000_2	S35	0.6	0.787	0.005	0.0036	
60 minute winter	PP-S36	23.000_2	S36	2.9	1.247	0.024	0.0117	

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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	-0.068	0.170	1.8	0.3007	0.0000	OK
120 minute summer	S25	82	-0.068	0.176	1.6	0.4486	0.0000	OK
120 minute summer	S16	82	-0.068	0.199	9.9	0.8827	0.0000	OK
120 minute summer	S145	82	-0.069	0.246	16.6	1.0576	0.0000	OK
120 minute summer	S4	84	-0.068	0.175	3.2	0.3087	0.0000	OK
120 minute summer	S5	82	-0.069	0.215	7.4	0.3802	0.0000	OK
120 minute summer	S9	82	-0.070	0.226	2.4	0.5215	0.0000	OK
120 minute summer	S10	84	-0.070	0.251	2.4	0.4440	0.0000	OK
120 minute summer	S11	84	-0.070	0.256	11.0	0.4529	0.0000	OK
120 minute summer	S12	84	-0.070	0.265	12.6	0.4683	0.0000	OK
120 minute summer	S1	84	-0.069	0.195	3.9	0.4601	0.0000	OK
120 minute summer	S3	84	-0.069	0.238	7.6	0.7600	0.0000	OK
120 minute summer	S2	84	-0.070	0.266	6.3	0.4701	0.0000	OK
120 minute summer	S14	84	-0.070	0.239	2.7	0.4220	0.0000	OK
120 minute summer	S15	84	-0.070	0.276	19.5	1.2410	0.0000	OK
120 minute summer	S75	84	-0.072	0.290	27.3	0.7377	0.0000	OK
120 minute summer	S87	84	-0.077	0.209	6.5	0.6780	0.0000	OK
120 minute summer	S88	84	-0.077	0.231	11.9	0.7534	0.0000	OK
120 minute summer	S89	84	-0.077	0.253	16.2	0.8199	0.0000	OK
120 minute summer	S90	82	-0.077	0.275	20.2	0.8754	0.0000	OK
120 minute summer	S92	82	-0.077	0.302	35.8	0.7680	0.0000	OK
120 minute summer	S81	82	-0.084	0.218	6.5	0.7042	0.0000	OK
120 minute summer	S82	82	-0.084	0.240	11.8	0.7797	0.0000	OK
120 minute summer	S83	82	-0.084	0.261	15.9	0.8428	0.0000	OK
120 minute summer	S84	82	-0.084	0.283	19.7	0.8974	0.0000	OK
120 minute summer	S86	82	-0.084	0.309	42.3	0.7855	0.0000	OK
120 minute summer	S76	82	-0.093	0.224	6.5	0.7191	0.0000	OK
120 minute summer	S77	82	-0.093	0.246	11.7	0.7943	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	1.3	0.035	0.018	3.5567	
120 minute summer	S25	2.000	S16	1.1	0.037	0.015	2.8989	
120 minute summer	S16	1.001	S145	6.7	0.160	0.094	7.3905	
120 minute summer	S145	1.002	S75	13.1	0.202	0.185	9.2983	
120 minute summer	S4	3.000	S5	1.8	0.092	0.025	5.4459	
120 minute summer	S5	3.001	S11	-4.5	0.107	-0.063	6.9509	
120 minute summer	S9	4.000	S10	0.8	0.120	0.011	4.3473	
120 minute summer	S10	4.001	S11	-2.3	0.119	-0.031	0.8011	
120 minute summer	S11	3.002	S12	-11.0	-0.173	-0.155	1.7262	
120 minute summer	S12	3.003	S15	-11.6	-0.168	-0.168	2.3123	
120 minute summer	S1	5.000	S3	3.5	0.109	0.050	6.4353	
120 minute summer	S3	5.001	S2	5.2	0.158	0.074	5.2885	
120 minute summer	S2	5.002	S15	6.7	0.122	0.098	2.1494	
120 minute summer	S14	6.000	S15	-2.6	-0.070	-0.037	7.0142	
120 minute summer	S15	3.004	S75	16.1	0.168	0.225	3.2868	
120 minute summer	S75	1.003	S92	27.7	0.252	0.389	3.7213	
120 minute summer	S87	7.000	S88	5.2	0.125	0.073	3.3409	
120 minute summer	S88	7.001	S89	9.5	0.163	0.134	3.7681	
120 minute summer	S89	7.002	S90	13.7	0.203	0.192	4.1906	
120 minute summer	S90	7.003	S92	17.1	0.223	0.242	5.8471	
120 minute summer	S92	1.005	S86	35.6	0.313	0.501	3.1851	
120 minute summer	S81	8.000	S82	5.1	0.124	0.071	3.5178	
120 minute summer	S82	8.001	S83	9.2	0.156	0.132	3.9347	
120 minute summer	S83	8.002	S84	13.2	0.181	0.185	4.3449	
120 minute summer	S84	8.003	S86	16.7	0.222	0.235	5.7127	
120 minute summer	S86	1.006	S30	42.0	0.361	0.592	3.2564	
120 minute summer	S76	9.000	S77	5.0	0.125	0.070	3.6261	
120 minute summer	S77	9.001	S78	9.0	0.156	0.126	4.0513	

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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	82	-0.093	0.268	15.7	0.8601	0.0000	OK
120 minute summer	S79	82	-0.094	0.288	19.3	0.9111	0.0000	OK
120 minute summer	S30	82	-0.094	0.313	49.6	0.7969	0.0000	OK
120 minute summer	S31	82	-0.107	0.229	7.1	0.7570	0.0000	OK
120 minute summer	S32	82	-0.108	0.271	10.2	0.8378	0.0000	OK
120 minute summer	S33	84	-0.108	0.315	53.3	0.8019	0.0000	OK
120 minute summer	S34	84	-0.125	0.314	55.2	0.5552	0.0000	OK
120 minute summer	S35	84	-0.151	0.315	55.4	0.5563	0.0000	OK
120 minute summer	S36	82	-0.162	0.280	2.3	0.4950	0.0000	OK
120 minute summer	S37	84	-0.162	0.309	60.9	1.5197	0.0000	OK
120 minute summer	S38	84	-0.214	0.302	60.3	0.5330	0.0000	OK
120 minute summer	S39	86	-0.271	0.291	59.8	0.5138	0.0000	OK
120 minute summer	S56	88	-0.285	0.274	0.7	0.4840	0.0000	OK
120 minute summer	S57	88	-0.285	0.280	59.6	0.7124	0.0000	OK
120 minute summer	S125	88	-0.316	0.239	1.7	0.4226	0.0000	OK
120 minute summer	S127	88	-0.316	0.263	59.5	0.6696	0.0000	OK
120 minute summer	S119	90	-0.358	0.211	1.4	0.3729	0.0000	OK
120 minute summer	S60	90	-0.358	0.235	59.3	0.5981	0.0000	OK
120 minute summer	Pond Inlet 1	90	-0.442	0.168	59.2	0.2968	0.0000	OK
120 minute summer	Pond Outlet	1388	-0.533	0.077	54.0	0.0869	0.0000	OK
120 minute summer	S13	1344	-0.533	0.105	0.6	0.3636	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	0.530	0.030	1.8	0.8507	0.0000	OK
120 minute summer	PP-S25	74	0.524	0.024	1.5	0.5330	0.0000	OK
120 minute summer	PP-S16	72	0.530	0.030	2.7	0.8689	0.0000	OK
120 minute summer	PP-S145	72	0.529	0.029	3.1	0.8629	0.0000	OK
120 minute summer	PP-S4	74	0.531	0.031	2.5	0.8906	0.0000	OK
120 minute summer	PP-S1	84	0.532	0.032	6.2	7.7550	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	12.8	0.179	0.184	4.4589	
120 minute summer	S79	9.003	S30	16.3	0.216	0.227	5.4618	
120 minute summer	S30	1.007	S33	49.3	0.444	0.693	3.7441	
120 minute summer	S31	10.000	S32	4.0	0.127	0.057	7.7976	
120 minute summer	S32	10.001	S33	4.2	0.171	0.058	9.4246	
120 minute summer	S33	1.008	S34	53.2	0.455	0.754	3.8187	
120 minute summer	S34	1.009	S35	55.1	0.466	0.776	6.3559	
120 minute summer	S35	1.010	S37	55.4	0.473	0.834	1.3285	
120 minute summer	S36	11.000	S37	1.7	-0.055	0.024	6.3247	
120 minute summer	S37	1.011	S38	60.3	0.546	0.853	10.3571	
120 minute summer	S38	1.012	S39	59.8	0.550	0.837	10.0050	
120 minute summer	S39	1.013	S57	59.6	0.568	0.941	0.7900	
120 minute summer	S56	12.011	S57	-0.7	-0.162	-0.010	1.3333	
120 minute summer	S57	1.014	S127	59.5	0.600	0.841	2.8059	
120 minute summer	S125	21.003	S127	-1.7	-0.152	-0.024	4.4841	
120 minute summer	S127	1.015	S60	59.3	0.660	0.832	2.4913	
120 minute summer	S119	22.003	S60	-1.4	-0.139	-0.020	3.8639	
120 minute summer	S60	1.016	Pond Inlet 1	59.2	0.862	0.782	2.0536	
120 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	54.0	0.033	0.001	379.5916	
120 minute summer	Pond Outlet	1.018	S13	0.6	0.242	0.008	0.1228	
120 minute summer	S13	Pump	Final Outfall	0.0				0.0
120 minute summer	PP-S26	1.000_1	S26	1.5	0.466	0.038	0.0313	
120 minute summer	PP-S25	2.000_1	S25	1.3	0.597	0.023	0.0113	
120 minute summer	PP-S16	3.000_1	S16	2.5	0.802	0.037	0.0156	
120 minute summer	PP-S145	4.000_2	S145	2.9	0.982	0.035	0.0149	
120 minute summer	PP-S4	1.000_2	S4	2.2	0.686	0.039	0.0161	
120 minute summer	PP-S1	4.000_1	S1	2.7	0.809	0.041	0.0167	

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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	0.534	0.034	3.7	1.1652	0.0000	OK
120 minute summer	PP-S12	74	0.518	0.018	1.3	0.4865	0.0000	OK
120 minute summer	PP-S14	80	0.505	0.005	0.1	0.1061	0.0000	OK
120 minute summer	PP-S2	76	0.521	0.021	2.0	0.9809	0.0000	OK
120 minute summer	PP-S15	72	0.520	0.020	1.5	0.3840	0.0000	OK
120 minute summer	PP-S75	72	0.519	0.019	1.5	0.4223	0.0000	OK
120 minute summer	PP-S24	72	0.529	0.029	3.7	1.0257	0.0000	OK
120 minute summer	PP-S30	72	0.518	0.018	1.4	0.3781	0.0000	OK
120 minute summer	PP-S33	72	0.519	0.019	1.6	0.3498	0.0000	OK
120 minute summer	PP-S34	72	0.525	0.025	3.1	0.8610	0.0000	OK
120 minute summer	PP-S35	70	0.510	0.010	0.5	0.1300	0.0000	OK
120 minute summer	PP-S36	72	0.522	0.022	2.4	0.5268	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute summer	PP-S5	2.000_2	S5	3.4	0.931	0.045	0.0180	
120 minute summer	PP-S12	8.000_1	S12	1.2	0.796	0.013	0.0076	
120 minute summer	PP-S14	11.000_1	S14	0.1	0.339	0.001	0.0008	
120 minute summer	PP-S2	10.000_1	S2	1.6	0.869	0.017	0.0092	
120 minute summer	PP-S15	12.000_1	S15	1.4	0.859	0.015	0.0083	
120 minute summer	PP-S75	13.000_1	S75	1.4	0.883	0.014	0.0079	
120 minute summer	PP-S24	14.000_1	S92	3.4	1.178	0.033	0.0145	
120 minute summer	PP-S30	18.000_1	S30	1.3	0.940	0.012	0.0070	
120 minute summer	PP-S33	20.000_1	S33	1.5	1.004	0.013	0.0077	
120 minute summer	PP-S34	21.000_1	S34	2.9	1.245	0.025	0.0118	
120 minute summer	PP-S35	22.000_2	S35	0.5	0.740	0.004	0.0031	
120 minute summer	PP-S36	23.000_2	S36	2.3	1.166	0.020	0.0100	

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Results for 1 year 120 minute winter. 1560 minute analysis at 2 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute winter	S26	88	-0.051	0.187	1.4	0.3297	0.0000	OK
120 minute winter	S25	88	-0.051	0.193	1.2	0.4902	0.0000	OK
120 minute winter	S16	88	-0.051	0.216	8.4	0.9559	0.0000	OK
120 minute winter	S145	88	-0.052	0.263	15.2	1.1306	0.0000	OK
120 minute winter	S4	88	-0.052	0.191	2.0	0.3371	0.0000	OK
120 minute winter	S5	88	-0.052	0.232	4.4	0.4097	0.0000	OK
120 minute winter	S9	88	-0.053	0.243	1.8	0.5609	0.0000	OK
120 minute winter	S10	88	-0.053	0.268	1.7	0.4743	0.0000	OK
120 minute winter	S11	88	-0.053	0.273	6.3	0.4832	0.0000	OK
120 minute winter	S12	88	-0.053	0.282	7.5	0.4988	0.0000	OK
120 minute winter	S1	88	-0.052	0.212	4.0	0.4997	0.0000	OK
120 minute winter	S3	88	-0.052	0.255	6.5	0.8145	0.0000	OK
120 minute winter	S2	88	-0.053	0.283	6.7	0.5005	0.0000	OK
120 minute winter	S14	88	-0.053	0.256	2.0	0.4525	0.0000	OK
120 minute winter	S15	88	-0.053	0.293	16.0	1.3189	0.0000	OK
120 minute winter	S75	88	-0.055	0.307	28.0	0.7825	0.0000	OK
120 minute winter	S87	88	-0.059	0.227	5.0	0.7373	0.0000	OK
120 minute winter	S88	88	-0.059	0.249	9.1	0.8130	0.0000	OK
120 minute winter	S89	88	-0.059	0.271	12.4	0.8790	0.0000	OK
120 minute winter	S90	88	-0.059	0.293	15.4	0.9334	0.0000	OK
120 minute winter	S92	88	-0.059	0.320	37.1	0.8138	0.0000	OK
120 minute winter	S81	88	-0.066	0.236	5.0	0.7635	0.0000	OK
120 minute winter	S82	88	-0.066	0.258	9.1	0.8392	0.0000	OK
120 minute winter	S83	88	-0.066	0.279	12.3	0.9019	0.0000	OK
120 minute winter	S84	88	-0.066	0.301	15.3	0.9555	0.0000	OK
120 minute winter	S86	88	-0.066	0.327	44.5	0.8321	0.0000	OK
120 minute winter	S76	88	-0.075	0.242	5.0	0.7780	0.0000	OK
120 minute winter	S77	88	-0.075	0.264	9.1	0.8535	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	1.2	0.036	0.017	3.9799	
120 minute winter	S25	2.000	S16	1.0	0.036	0.014	3.2367	
120 minute winter	S16	1.001	S145	6.3	0.162	0.089	8.0967	
120 minute winter	S145	1.002	S75	12.5	0.213	0.177	10.0097	
120 minute winter	S4	3.000	S5	1.6	0.096	0.023	6.0507	
120 minute winter	S5	3.001	S11	3.9	0.104	0.055	7.5756	
120 minute winter	S9	4.000	S10	0.8	0.126	0.011	4.7362	
120 minute winter	S10	4.001	S11	-1.4	0.139	-0.018	0.8671	
120 minute winter	S11	3.002	S12	-6.3	-0.115	-0.089	1.8632	
120 minute winter	S12	3.003	S15	-6.7	-0.111	-0.097	2.4869	
120 minute winter	S1	5.000	S3	3.7	0.111	0.052	7.0801	
120 minute winter	S3	5.001	S2	5.6	0.170	0.079	5.7274	
120 minute winter	S2	5.002	S15	7.0	0.137	0.102	2.3112	
120 minute winter	S14	6.000	S15	-1.9	-0.080	-0.028	7.5823	
120 minute winter	S15	3.004	S75	16.9	0.179	0.235	3.5211	
120 minute winter	S75	1.003	S92	28.5	0.254	0.401	3.9733	
120 minute winter	S87	7.000	S88	3.9	0.131	0.055	3.6962	
120 minute winter	S88	7.001	S89	7.2	0.168	0.101	4.1205	
120 minute winter	S89	7.002	S90	10.4	0.192	0.146	4.5366	
120 minute winter	S90	7.003	S92	13.0	0.239	0.185	6.2654	
120 minute winter	S92	1.005	S86	37.3	0.309	0.525	3.3932	
120 minute winter	S81	8.000	S82	3.9	0.130	0.055	3.8739	
120 minute winter	S82	8.001	S83	7.1	0.166	0.102	4.2866	
120 minute winter	S83	8.002	S84	10.3	0.191	0.144	4.6898	
120 minute winter	S84	8.003	S86	13.0	0.240	0.183	6.1091	
120 minute winter	S86	1.006	S30	44.6	0.360	0.628	3.4643	
120 minute winter	S76	9.000	S77	3.9	0.131	0.054	3.9808	
120 minute winter	S77	9.001	S78	7.1	0.166	0.099	4.4015	

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Results for 1 year 120 minute winter. 1560 minute analysis at 2 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute winter	S78	88	-0.075	0.286	12.3	0.9190	0.0000	OK
120 minute winter	S79	86	-0.075	0.307	15.2	0.9691	0.0000	OK
120 minute winter	S30	88	-0.075	0.332	53.3	0.8437	0.0000	OK
120 minute winter	S31	86	-0.090	0.246	5.4	0.8163	0.0000	OK
120 minute winter	S32	88	-0.090	0.289	8.0	0.8939	0.0000	OK
120 minute winter	S33	88	-0.090	0.333	57.8	0.8482	0.0000	OK
120 minute winter	S34	88	-0.107	0.332	59.5	0.5865	0.0000	OK
120 minute winter	S35	88	-0.134	0.332	59.7	0.5866	0.0000	OK
120 minute winter	S36	88	-0.145	0.297	2.1	0.5248	0.0000	OK
120 minute winter	S37	88	-0.145	0.326	65.5	1.6025	0.0000	OK
120 minute winter	S38	90	-0.199	0.317	65.0	0.5605	0.0000	OK
120 minute winter	S39	90	-0.257	0.305	64.6	0.5381	0.0000	OK
120 minute winter	S56	92	-0.272	0.287	0.7	0.5072	0.0000	OK
120 minute winter	S57	92	-0.272	0.293	64.5	0.7458	0.0000	OK
120 minute winter	S125	92	-0.304	0.251	1.9	0.4438	0.0000	OK
120 minute winter	S127	92	-0.304	0.275	64.4	0.7002	0.0000	OK
120 minute winter	S119	92	-0.347	0.222	1.6	0.3919	0.0000	OK
120 minute winter	S60	92	-0.347	0.246	64.2	0.6255	0.0000	OK
120 minute winter	Pond Inlet 1	94	-0.433	0.177	64.2	0.3134	0.0000	OK
120 minute winter	Pond Outlet	1536	-0.524	0.086	57.7	0.0967	0.0000	OK
120 minute winter	S13	1424	-0.524	0.114	0.6	0.3936	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	74	0.529	0.029	1.5	0.7933	0.0000	OK
120 minute winter	PP-S25	74	0.523	0.023	1.3	0.4915	0.0000	OK
120 minute winter	PP-S16	74	0.529	0.029	2.3	0.7780	0.0000	OK
120 minute winter	PP-S145	72	0.528	0.028	2.7	0.7699	0.0000	OK
120 minute winter	PP-S4	74	0.530	0.030	2.1	0.8145	0.0000	OK
120 minute winter	PP-S1	88	0.533	0.033	5.4	8.1990	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	10.2	0.190	0.146	4.8023	
120 minute winter	S79	9.003	S30	13.0	0.237	0.181	5.8323	
120 minute winter	S30	1.007	S33	53.0	0.426	0.745	3.9782	
120 minute winter	S31	10.000	S32	3.2	0.135	0.046	8.4835	
120 minute winter	S32	10.001	S33	4.1	0.189	0.058	10.0824	
120 minute winter	S33	1.008	S34	57.6	0.459	0.817	4.0520	
120 minute winter	S34	1.009	S35	59.5	0.475	0.837	6.7330	
120 minute winter	S35	1.010	S37	59.7	0.481	0.899	1.4066	
120 minute winter	S36	11.000	S37	1.4	-0.056	0.020	6.7324	
120 minute winter	S37	1.011	S38	65.0	0.543	0.919	10.9613	
120 minute winter	S38	1.012	S39	64.6	0.557	0.904	10.5629	
120 minute winter	S39	1.013	S57	64.5	0.580	1.017	0.8330	
120 minute winter	S56	12.011	S57	-0.7	-0.171	-0.010	1.4073	
120 minute winter	S57	1.014	S127	64.4	0.613	0.910	2.9596	
120 minute winter	S125	21.003	S127	-1.9	-0.164	-0.028	4.7469	
120 minute winter	S127	1.015	S60	64.2	0.677	0.902	2.6316	
120 minute winter	S119	22.003	S60	-1.6	-0.147	-0.023	4.1021	
120 minute winter	S60	1.016	Pond Inlet 1	64.2	0.877	0.847	2.1862	
120 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	57.5	0.034	0.001	424.6676	
120 minute winter	Pond Outlet	1.018	S13	0.6	0.243	0.008	0.1390	
120 minute winter	S13	Pump	Final Outfall	0.0				0.0
120 minute winter	PP-S26	1.000_1	S26	1.4	0.456	0.035	0.0298	
120 minute winter	PP-S25	2.000_1	S25	1.2	0.582	0.022	0.0106	
120 minute winter	PP-S16	3.000_1	S16	2.2	0.775	0.033	0.0144	
120 minute winter	PP-S145	4.000_2	S145	2.6	0.948	0.031	0.0137	
120 minute winter	PP-S4	1.000_2	S4	2.0	0.668	0.035	0.0150	
120 minute winter	PP-S1	4.000_1	S1	2.9	0.827	0.044	0.0176	

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Results for 1 year 120 minute winter. 1560 minute analysis at 2 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute winter	PP-S5	74	0.532	0.032	3.2	1.0523	0.0000	OK
120 minute winter	PP-S12	74	0.518	0.018	1.2	0.4388	0.0000	OK
120 minute winter	PP-S14	84	0.505	0.005	0.1	0.1238	0.0000	OK
120 minute winter	PP-S2	76	0.521	0.021	1.7	0.9304	0.0000	OK
120 minute winter	PP-S15	72	0.519	0.019	1.3	0.3471	0.0000	OK
120 minute winter	PP-S75	72	0.518	0.018	1.3	0.3760	0.0000	OK
120 minute winter	PP-S24	74	0.527	0.027	3.2	0.9167	0.0000	OK
120 minute winter	PP-S30	72	0.517	0.017	1.2	0.3402	0.0000	OK
120 minute winter	PP-S33	72	0.518	0.018	1.4	0.3173	0.0000	OK
120 minute winter	PP-S34	72	0.524	0.024	2.7	0.7671	0.0000	OK
120 minute winter	PP-S35	76	0.510	0.010	0.4	0.1153	0.0000	OK
120 minute winter	PP-S36	70	0.521	0.021	2.1	0.4693	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	3.0	0.903	0.041	0.0167	
120 minute winter	PP-S12	8.000_1	S12	1.1	0.769	0.012	0.0070	
120 minute winter	PP-S14	11.000_1	S14	0.1	0.344	0.001	0.0010	
120 minute winter	PP-S2	10.000_1	S2	1.5	0.855	0.017	0.0088	
120 minute winter	PP-S15	12.000_1	S15	1.3	0.830	0.014	0.0077	
120 minute winter	PP-S75	13.000_1	S75	1.2	0.849	0.013	0.0073	
120 minute winter	PP-S24	14.000_1	S92	3.0	1.138	0.030	0.0134	
120 minute winter	PP-S30	18.000_1	S30	1.2	0.907	0.011	0.0065	
120 minute winter	PP-S33	20.000_1	S33	1.4	0.971	0.012	0.0071	
120 minute winter	PP-S34	21.000_1	S34	2.6	1.201	0.022	0.0108	
120 minute winter	PP-S35	22.000_2	S35	0.4	0.713	0.003	0.0028	
120 minute winter	PP-S36	23.000_2	S36	2.1	1.126	0.017	0.0091	

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Results for 1 year 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	116	-0.076	0.162	1.2	0.2856	0.0000	OK
180 minute summer	S25	116	-0.076	0.168	1.1	0.4266	0.0000	OK
180 minute summer	S16	116	-0.076	0.191	7.9	0.8451	0.0000	OK
180 minute summer	S145	116	-0.078	0.237	14.1	1.0224	0.0000	OK
180 minute summer	S4	116	-0.077	0.166	2.0	0.2929	0.0000	OK
180 minute summer	S5	116	-0.077	0.207	4.4	0.3652	0.0000	OK
180 minute summer	S9	116	-0.078	0.218	1.8	0.5030	0.0000	OK
180 minute summer	S10	116	-0.078	0.243	1.6	0.4299	0.0000	OK
180 minute summer	S11	116	-0.078	0.248	5.8	0.4387	0.0000	OK
180 minute summer	S12	116	-0.078	0.257	6.9	0.4543	0.0000	OK
180 minute summer	S1	116	-0.077	0.187	3.5	0.4405	0.0000	OK
180 minute summer	S3	116	-0.077	0.230	6.3	0.7342	0.0000	OK
180 minute summer	S2	116	-0.078	0.258	6.0	0.4561	0.0000	OK
180 minute summer	S14	116	-0.078	0.231	1.8	0.4081	0.0000	OK
180 minute summer	S15	116	-0.078	0.268	13.9	1.2056	0.0000	OK
180 minute summer	S75	116	-0.080	0.282	24.9	0.7184	0.0000	OK
180 minute summer	S87	116	-0.084	0.202	4.9	0.6565	0.0000	OK
180 minute summer	S88	116	-0.084	0.224	8.9	0.7318	0.0000	OK
180 minute summer	S89	116	-0.084	0.246	12.1	0.7983	0.0000	OK
180 minute summer	S90	116	-0.084	0.268	15.1	0.8540	0.0000	OK
180 minute summer	S92	116	-0.084	0.295	33.3	0.7502	0.0000	OK
180 minute summer	S81	116	-0.090	0.212	4.9	0.6836	0.0000	OK
180 minute summer	S82	116	-0.090	0.234	8.8	0.7589	0.0000	OK
180 minute summer	S83	116	-0.090	0.255	12.0	0.8221	0.0000	OK
180 minute summer	S84	116	-0.091	0.276	14.9	0.8770	0.0000	OK
180 minute summer	S86	116	-0.091	0.302	40.1	0.7690	0.0000	OK
180 minute summer	S76	116	-0.099	0.218	4.9	0.6994	0.0000	OK
180 minute summer	S77	116	-0.099	0.240	8.8	0.7745	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	1.0	0.043	0.015	3.3396	
180 minute summer	S25	2.000	S16	0.8	0.038	0.012	2.7242	
180 minute summer	S16	1.001	S145	5.7	0.150	0.080	7.0391	
180 minute summer	S145	1.002	S75	11.5	0.182	0.163	8.9709	
180 minute summer	S4	3.000	S5	1.4	0.084	0.019	5.1290	
180 minute summer	S5	3.001	S11	3.3	0.103	0.046	6.6466	
180 minute summer	S9	4.000	S10	0.7	0.111	0.010	4.1651	
180 minute summer	S10	4.001	S11	-1.2	0.129	-0.015	0.7701	
180 minute summer	S11	3.002	S12	-5.8	-0.103	-0.082	1.6619	
180 minute summer	S12	3.003	S15	-6.0	-0.101	-0.087	2.2313	
180 minute summer	S1	5.000	S3	3.3	0.103	0.046	6.1238	
180 minute summer	S3	5.001	S2	5.0	0.144	0.070	5.0821	
180 minute summer	S2	5.002	S15	6.2	0.115	0.090	2.0743	
180 minute summer	S14	6.000	S15	-1.8	-0.049	-0.026	6.7523	
180 minute summer	S15	3.004	S75	14.6	0.160	0.205	3.1815	
180 minute summer	S75	1.003	S92	25.2	0.239	0.354	3.6163	
180 minute summer	S87	7.000	S88	3.9	0.112	0.055	3.2119	
180 minute summer	S88	7.001	S89	7.1	0.145	0.100	3.6392	
180 minute summer	S89	7.002	S90	10.2	0.166	0.143	4.0624	
180 minute summer	S90	7.003	S92	12.9	0.195	0.183	5.6854	
180 minute summer	S92	1.005	S86	33.5	0.301	0.472	3.1058	
180 minute summer	S81	8.000	S82	3.8	0.110	0.054	3.3933	
180 minute summer	S82	8.001	S83	7.0	0.143	0.100	3.8107	
180 minute summer	S83	8.002	S84	10.0	0.163	0.141	4.2226	
180 minute summer	S84	8.003	S86	12.8	0.202	0.180	5.5699	
180 minute summer	S86	1.006	S30	40.1	0.353	0.565	3.1831	
180 minute summer	S76	9.000	S77	3.8	0.111	0.053	3.5070	
180 minute summer	S77	9.001	S78	6.9	0.143	0.096	3.9334	

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Results for 1 year 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	116	-0.099	0.262	11.9	0.8405	0.0000	OK
180 minute summer	S79	116	-0.100	0.282	14.8	0.8918	0.0000	OK
180 minute summer	S30	116	-0.100	0.307	48.0	0.7813	0.0000	OK
180 minute summer	S31	116	-0.114	0.222	5.3	0.7356	0.0000	OK
180 minute summer	S32	116	-0.114	0.265	7.7	0.8187	0.0000	OK
180 minute summer	S33	116	-0.114	0.309	52.1	0.7865	0.0000	OK
180 minute summer	S34	116	-0.131	0.308	53.6	0.5445	0.0000	OK
180 minute summer	S35	116	-0.157	0.309	53.8	0.5460	0.0000	OK
180 minute summer	S36	116	-0.168	0.274	1.9	0.4850	0.0000	OK
180 minute summer	S37	116	-0.168	0.303	58.8	1.4919	0.0000	OK
180 minute summer	S38	120	-0.219	0.297	58.4	0.5239	0.0000	OK
180 minute summer	S39	120	-0.276	0.286	58.1	0.5061	0.0000	OK
180 minute summer	S56	120	-0.289	0.270	0.7	0.4766	0.0000	OK
180 minute summer	S57	120	-0.289	0.276	57.9	0.7018	0.0000	OK
180 minute summer	S125	120	-0.320	0.235	1.0	0.4155	0.0000	OK
180 minute summer	S127	120	-0.320	0.259	57.8	0.6595	0.0000	OK
180 minute summer	S119	124	-0.361	0.208	0.9	0.3669	0.0000	OK
180 minute summer	S60	124	-0.361	0.232	57.7	0.5895	0.0000	OK
180 minute summer	Pond Inlet 1	124	-0.445	0.165	57.6	0.2919	0.0000	OK
180 minute summer	Pond Outlet	1532	-0.524	0.086	49.0	0.0967	0.0000	OK
180 minute summer	S13	1452	-0.524	0.114	0.5	0.3935	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	0.528	0.028	1.4	0.7249	0.0000	OK
180 minute summer	PP-S25	104	0.522	0.022	1.2	0.4452	0.0000	OK
180 minute summer	PP-S16	104	0.528	0.028	2.2	0.7238	0.0000	OK
180 minute summer	PP-S145	104	0.527	0.027	2.5	0.7070	0.0000	OK
180 minute summer	PP-S4	104	0.528	0.028	2.0	0.7487	0.0000	OK
180 minute summer	PP-S1	116	0.531	0.031	5.1	7.4944	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	9.9	0.161	0.142	4.3433	
180 minute summer	S79	9.003	S30	12.7	0.198	0.177	5.3366	
180 minute summer	S30	1.007	S33	47.7	0.422	0.671	3.6644	
180 minute summer	S31	10.000	S32	3.1	0.117	0.044	7.5543	
180 minute summer	S32	10.001	S33	3.8	0.145	0.054	9.1997	
180 minute summer	S33	1.008	S34	51.9	0.448	0.736	3.7375	
180 minute summer	S34	1.009	S35	53.6	0.462	0.754	6.2233	
180 minute summer	S35	1.010	S37	53.8	0.468	0.809	1.3013	
180 minute summer	S36	11.000	S37	1.3	-0.054	0.018	6.1860	
180 minute summer	S37	1.011	S38	58.4	0.529	0.826	10.1427	
180 minute summer	S38	1.012	S39	58.1	0.538	0.812	9.8217	
180 minute summer	S39	1.013	S57	57.9	0.559	0.913	0.7763	
180 minute summer	S56	12.011	S57	-0.7	-0.148	-0.010	1.3095	
180 minute summer	S57	1.014	S127	57.8	0.591	0.818	2.7554	
180 minute summer	S125	21.003	S127	-1.0	-0.134	-0.015	4.3964	
180 minute summer	S127	1.015	S60	57.7	0.654	0.810	2.4456	
180 minute summer	S119	22.003	S60	-0.9	-0.125	-0.014	3.7893	
180 minute summer	S60	1.016	Pond Inlet 1	57.6	0.856	0.761	2.0131	
180 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	49.0	0.030	0.001	424.5224	
180 minute summer	Pond Outlet	1.018	S13	0.5	0.205	0.006	0.1390	
180 minute summer	S13	Pump	Final Outfall	0.0				0.0
180 minute summer	PP-S26	1.000_1	S26	1.2	0.443	0.032	0.0279	
180 minute summer	PP-S25	2.000_1	S25	1.1	0.565	0.019	0.0099	
180 minute summer	PP-S16	3.000_1	S16	2.1	0.757	0.031	0.0136	
180 minute summer	PP-S145	4.000_2	S145	2.4	0.923	0.028	0.0129	
180 minute summer	PP-S4	1.000_2	S4	1.8	0.650	0.032	0.0141	
180 minute summer	PP-S1	4.000_1	S1	2.6	0.798	0.039	0.0161	

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Results for 1 year 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	104	0.531	0.031	3.0	0.9792	0.0000	OK
180 minute summer	PP-S12	104	0.517	0.017	1.1	0.4148	0.0000	OK
180 minute summer	PP-S14	108	0.505	0.005	0.1	0.0976	0.0000	OK
180 minute summer	PP-S2	104	0.520	0.020	1.6	0.8628	0.0000	OK
180 minute summer	PP-S15	100	0.518	0.018	1.2	0.3145	0.0000	OK
180 minute summer	PP-S75	104	0.517	0.017	1.2	0.3480	0.0000	OK
180 minute summer	PP-S24	104	0.526	0.026	3.0	0.8547	0.0000	OK
180 minute summer	PP-S30	100	0.516	0.016	1.1	0.3075	0.0000	OK
180 minute summer	PP-S33	100	0.517	0.017	1.3	0.2918	0.0000	OK
180 minute summer	PP-S34	104	0.523	0.023	2.5	0.7037	0.0000	OK
180 minute summer	PP-S35	104	0.510	0.010	0.4	0.1143	0.0000	OK
180 minute summer	PP-S36	100	0.520	0.020	2.0	0.4444	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	2.8	0.884	0.038	0.0158	
180 minute summer	PP-S12	8.000_1	S12	1.0	0.755	0.011	0.0067	
180 minute summer	PP-S14	11.000_1	S14	0.0	0.336	0.001	0.0008	
180 minute summer	PP-S2	10.000_1	S2	1.4	0.835	0.015	0.0083	
180 minute summer	PP-S15	12.000_1	S15	1.1	0.803	0.012	0.0071	
180 minute summer	PP-S75	13.000_1	S75	1.1	0.827	0.012	0.0069	
180 minute summer	PP-S24	14.000_1	S92	2.8	1.114	0.028	0.0127	
180 minute summer	PP-S30	18.000_1	S30	1.0	0.876	0.009	0.0060	
180 minute summer	PP-S33	20.000_1	S33	1.3	0.944	0.011	0.0067	
180 minute summer	PP-S34	21.000_1	S34	2.4	1.170	0.020	0.0102	
180 minute summer	PP-S35	22.000_2	S35	0.4	0.711	0.003	0.0028	
180 minute summer	PP-S36	23.000_2	S36	1.9	1.107	0.016	0.0087	

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Results for 1 year 180 minute winter. 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 winter	S26	124	-0.066	0.172	1.1	0.3032	0.0000	OK
180 minute winter	S25	124	-0.066	0.178	1.0	0.4519	0.0000	OK
180 minute winter	S16	124	-0.066	0.201	7.0	0.8891	0.0000	OK
180 minute winter	S145	124	-0.068	0.247	12.8	1.0656	0.0000	OK
180 minute winter	S4	124	-0.067	0.176	1.6	0.3104	0.0000	OK
180 minute winter	S5	124	-0.067	0.217	3.1	0.3827	0.0000	OK
180 minute winter	S9	124	-0.068	0.228	1.4	0.5259	0.0000	OK
180 minute winter	S10	124	-0.068	0.253	1.0	0.4475	0.0000	OK
180 minute winter	S11	124	-0.068	0.258	4.2	0.4564	0.0000	OK
180 minute winter	S12	124	-0.068	0.267	5.3	0.4720	0.0000	OK
180 minute winter	S1	124	-0.067	0.197	3.6	0.4640	0.0000	OK
180 minute winter	S3	124	-0.067	0.240	5.8	0.7663	0.0000	OK
180 minute winter	S2	124	-0.068	0.268	6.2	0.4739	0.0000	OK
180 minute winter	S14	124	-0.068	0.241	1.2	0.4258	0.0000	OK
180 minute winter	S15	124	-0.068	0.278	14.3	1.2511	0.0000	OK
180 minute winter	S75	124	-0.069	0.293	25.0	0.7445	0.0000	OK
180 minute winter	S87	124	-0.073	0.213	3.8	0.6920	0.0000	OK
180 minute winter	S88	124	-0.073	0.235	6.9	0.7673	0.0000	OK
180 minute winter	S89	124	-0.073	0.257	9.5	0.8335	0.0000	OK
180 minute winter	S90	124	-0.073	0.279	11.9	0.8882	0.0000	OK
180 minute winter	S92	124	-0.074	0.305	34.0	0.7772	0.0000	OK
180 minute winter	S81	124	-0.079	0.223	3.8	0.7197	0.0000	OK
180 minute winter	S82	124	-0.079	0.245	6.9	0.7952	0.0000	OK
180 minute winter	S83	124	-0.079	0.266	9.4	0.8579	0.0000	OK
180 minute winter	S84	124	-0.079	0.288	11.9	0.9120	0.0000	OK
180 minute winter	S86	124	-0.080	0.313	41.7	0.7968	0.0000	OK
180 minute winter	S76	124	-0.088	0.229	3.8	0.7353	0.0000	OK
180 minute winter	S77	124	-0.088	0.251	6.9	0.8105	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	1.0	0.039	0.014	3.5931	
180 minute winter	S25	2.000	S16	0.8	0.038	0.011	2.9268	
180 minute winter	S16	1.001	S145	5.5	0.154	0.077	7.4607	
180 minute winter	S145	1.002	S75	10.8	0.200	0.153	9.3925	
180 minute winter	S4	3.000	S5	1.2	0.089	0.017	5.4900	
180 minute winter	S5	3.001	S11	3.1	0.111	0.044	7.0138	
180 minute winter	S9	4.000	S10	0.7	0.111	0.010	4.3921	
180 minute winter	S10	4.001	S11	1.2	0.113	0.015	0.8087	
180 minute winter	S11	3.002	S12	5.0	0.074	0.070	1.7426	
180 minute winter	S12	3.003	S15	5.6	0.076	0.081	2.3344	
180 minute winter	S1	5.000	S3	3.4	0.102	0.047	6.5038	
180 minute winter	S3	5.001	S2	5.2	0.158	0.074	5.3415	
180 minute winter	S2	5.002	S15	6.3	0.120	0.093	2.1701	
180 minute winter	S14	6.000	S15	-1.2	-0.063	-0.017	7.0870	
180 minute winter	S15	3.004	S75	15.0	0.162	0.209	3.3200	
180 minute winter	S75	1.003	S92	25.6	0.239	0.360	3.7668	
180 minute winter	S87	7.000	S88	3.0	0.118	0.043	3.4243	
180 minute winter	S88	7.001	S89	5.6	0.154	0.078	3.8500	
180 minute winter	S89	7.002	S90	8.1	0.179	0.113	4.2692	
180 minute winter	S90	7.003	S92	10.3	0.211	0.146	5.9370	
180 minute winter	S92	1.005	S86	34.2	0.299	0.482	3.2321	
180 minute winter	S81	8.000	S82	3.0	0.118	0.042	3.6107	
180 minute winter	S82	8.001	S83	5.5	0.152	0.080	4.0259	
180 minute winter	S83	8.002	S84	8.1	0.178	0.113	4.4331	
180 minute winter	S84	8.003	S86	10.3	0.209	0.146	5.8115	
180 minute winter	S86	1.006	S30	41.8	0.353	0.589	3.3096	
180 minute winter	S76	9.000	S77	3.0	0.118	0.042	3.7234	
180 minute winter	S77	9.001	S78	5.5	0.153	0.078	4.1469	

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Results for 1 year 180 minute winter. 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 winter	S78	124	-0.088	0.273	9.4	0.8761	0.0000	OK
180 minute winter	S79	124	-0.089	0.293	11.8	0.9266	0.0000	OK
180 minute winter	S30	124	-0.089	0.318	50.3	0.8091	0.0000	OK
180 minute winter	S31	124	-0.103	0.233	4.1	0.7715	0.0000	OK
180 minute winter	S32	124	-0.103	0.276	6.2	0.8520	0.0000	OK
180 minute winter	S33	124	-0.103	0.320	54.8	0.8139	0.0000	OK
180 minute winter	S34	124	-0.120	0.319	56.1	0.5629	0.0000	OK
180 minute winter	S35	124	-0.147	0.319	56.3	0.5640	0.0000	OK
180 minute winter	S36	124	-0.158	0.284	1.6	0.5027	0.0000	OK
180 minute winter	S37	124	-0.158	0.313	61.3	1.5410	0.0000	OK
180 minute winter	S38	124	-0.210	0.306	61.1	0.5407	0.0000	OK
180 minute winter	S39	128	-0.267	0.295	60.9	0.5207	0.0000	OK
180 minute winter	S56	128	-0.281	0.278	0.7	0.4908	0.0000	OK
180 minute winter	S57	128	-0.281	0.284	60.8	0.7222	0.0000	OK
180 minute winter	S125	128	-0.312	0.243	1.3	0.4289	0.0000	OK
180 minute winter	S127	128	-0.312	0.267	60.7	0.6788	0.0000	OK
180 minute winter	S119	128	-0.355	0.214	1.1	0.3789	0.0000	OK
180 minute winter	S60	128	-0.355	0.238	60.7	0.6067	0.0000	OK
180 minute winter	Pond Inlet 1	132	-0.439	0.171	60.6	0.3027	0.0000	OK
180 minute winter	Pond Outlet	1500	-0.514	0.096	47.7	0.1081	0.0000	OK
180 minute winter	S13	1592	-0.514	0.124	0.4	0.4285	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	104	0.526	0.026	1.2	0.6532	0.0000	OK
180 minute winter	PP-S25	104	0.521	0.021	1.0	0.3944	0.0000	OK
180 minute winter	PP-S16	104	0.525	0.025	1.8	0.6164	0.0000	OK
180 minute winter	PP-S145	104	0.525	0.025	2.1	0.6143	0.0000	OK
180 minute winter	PP-S4	104	0.526	0.026	1.6	0.6458	0.0000	OK
180 minute winter	PP-S1	120	0.531	0.031	4.1	7.6332	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	8.0	0.175	0.115	4.5521	
180 minute winter	S79	9.003	S30	10.4	0.204	0.144	5.5612	
180 minute winter	S30	1.007	S33	50.1	0.419	0.704	3.8061	
180 minute winter	S31	10.000	S32	2.6	0.119	0.037	7.9691	
180 minute winter	S32	10.001	S33	3.9	0.167	0.055	9.5956	
180 minute winter	S33	1.008	S34	54.6	0.455	0.775	3.8784	
180 minute winter	S34	1.009	S35	56.1	0.467	0.790	6.4515	
180 minute winter	S35	1.010	S37	56.3	0.473	0.848	1.3487	
180 minute winter	S36	11.000	S37	1.1	-0.049	0.015	6.4313	
180 minute winter	S37	1.011	S38	61.1	0.529	0.864	10.5211	
180 minute winter	S38	1.012	S39	60.9	0.544	0.853	10.1602	
180 minute winter	S39	1.013	S57	60.8	0.566	0.960	0.8026	
180 minute winter	S56	12.011	S57	-0.7	-0.164	-0.010	1.3551	
180 minute winter	S57	1.014	S127	60.7	0.599	0.859	2.8517	
180 minute winter	S125	21.003	S127	-1.3	-0.146	-0.018	4.5631	
180 minute winter	S127	1.015	S60	60.7	0.664	0.852	2.5348	
180 minute winter	S119	22.003	S60	-1.1	-0.132	-0.016	3.9392	
180 minute winter	S60	1.016	Pond Inlet 1	60.6	0.864	0.801	2.0975	
180 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	47.6	0.029	0.001	477.3173	
180 minute winter	Pond Outlet	1.018	S13	0.4	0.214	0.005	0.1585	
180 minute winter	S13	Pump	Final Outfall	0.0				0.0
180 minute winter	PP-S26	1.000_1	S26	1.1	0.429	0.029	0.0258	
180 minute winter	PP-S25	2.000_1	S25	1.0	0.544	0.017	0.0090	
180 minute winter	PP-S16	3.000_1	S16	1.7	0.720	0.026	0.0121	
180 minute winter	PP-S145	4.000_2	S145	2.0	0.883	0.024	0.0116	
180 minute winter	PP-S4	1.000_2	S4	1.6	0.621	0.028	0.0126	
180 minute winter	PP-S1	4.000_1	S1	2.6	0.804	0.040	0.0164	

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Results for 1 year 180 minute winter. 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 winter	PP-S5	104	0.528	0.028	2.4	0.8349	0.0000	OK
180 minute winter	PP-S12	104	0.516	0.016	0.9	0.3645	0.0000	OK
180 minute winter	PP-S14	112	0.505	0.005	0.1	0.1179	0.0000	OK
180 minute winter	PP-S2	108	0.519	0.019	1.3	0.7681	0.0000	OK
180 minute winter	PP-S15	104	0.517	0.017	1.0	0.2762	0.0000	OK
180 minute winter	PP-S75	100	0.516	0.016	1.0	0.2992	0.0000	OK
180 minute winter	PP-S24	104	0.524	0.024	2.4	0.7277	0.0000	OK
180 minute winter	PP-S30	104	0.515	0.015	0.9	0.2665	0.0000	OK
180 minute winter	PP-S33	100	0.516	0.016	1.1	0.2535	0.0000	OK
180 minute winter	PP-S34	100	0.521	0.021	2.1	0.6107	0.0000	OK
180 minute winter	PP-S35	112	0.508	0.008	0.3	0.0897	0.0000	OK
180 minute winter	PP-S36	104	0.519	0.019	1.6	0.3720	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	2.4	0.841	0.032	0.0141	
180 minute winter	PP-S12	8.000_1	S12	0.9	0.723	0.010	0.0061	
180 minute winter	PP-S14	11.000_1	S14	0.1	0.343	0.001	0.0010	
180 minute winter	PP-S2	10.000_1	S2	1.2	0.803	0.013	0.0077	
180 minute winter	PP-S15	12.000_1	S15	1.0	0.769	0.011	0.0065	
180 minute winter	PP-S75	13.000_1	S75	1.0	0.786	0.010	0.0061	
180 minute winter	PP-S24	14.000_1	S92	2.4	1.059	0.023	0.0112	
180 minute winter	PP-S30	18.000_1	S30	0.9	0.835	0.008	0.0053	
180 minute winter	PP-S33	20.000_1	S33	1.1	0.900	0.009	0.0060	
180 minute winter	PP-S34	21.000_1	S34	2.0	1.120	0.017	0.0091	
180 minute winter	PP-S35	22.000_2	S35	0.3	0.659	0.002	0.0023	
180 minute winter	PP-S36	23.000_2	S36	1.6	1.044	0.013	0.0076	

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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	-0.086	0.152	1.1	0.2691	0.0000	OK
240 minute summer	S25	148	-0.086	0.158	1.0	0.4029	0.0000	OK
240 minute summer	S16	148	-0.086	0.181	6.9	0.8037	0.0000	OK
240 minute summer	S145	148	-0.087	0.228	12.6	0.9820	0.0000	OK
240 minute summer	S4	152	-0.087	0.156	1.6	0.2756	0.0000	OK
240 minute summer	S5	152	-0.087	0.197	3.2	0.3480	0.0000	OK
240 minute summer	S9	148	-0.087	0.209	1.5	0.4804	0.0000	OK
240 minute summer	S10	148	-0.087	0.234	1.2	0.4127	0.0000	OK
240 minute summer	S11	148	-0.087	0.239	3.9	0.4215	0.0000	OK
240 minute summer	S12	148	-0.088	0.247	4.8	0.4373	0.0000	OK
240 minute summer	S1	148	-0.086	0.178	3.3	0.4182	0.0000	OK
240 minute summer	S3	148	-0.087	0.220	5.6	0.7037	0.0000	OK
240 minute summer	S2	148	-0.087	0.249	5.6	0.4392	0.0000	OK
240 minute summer	S14	148	-0.088	0.221	1.4	0.3913	0.0000	OK
240 minute summer	S15	148	-0.088	0.258	13.1	1.1626	0.0000	OK
240 minute summer	S75	148	-0.089	0.273	23.2	0.6945	0.0000	OK
240 minute summer	S87	148	-0.092	0.194	4.2	0.6283	0.0000	OK
240 minute summer	S88	148	-0.092	0.216	7.6	0.7032	0.0000	OK
240 minute summer	S89	148	-0.092	0.238	10.3	0.7697	0.0000	OK
240 minute summer	S90	148	-0.093	0.259	12.8	0.8256	0.0000	OK
240 minute summer	S92	148	-0.093	0.286	31.4	0.7272	0.0000	OK
240 minute summer	S81	148	-0.099	0.203	4.2	0.6562	0.0000	OK
240 minute summer	S82	148	-0.099	0.225	7.6	0.7313	0.0000	OK
240 minute summer	S83	148	-0.099	0.246	10.2	0.7943	0.0000	OK
240 minute summer	S84	148	-0.099	0.268	12.7	0.8496	0.0000	OK
240 minute summer	S86	148	-0.100	0.293	38.4	0.7468	0.0000	OK
240 minute summer	S76	148	-0.108	0.209	4.2	0.6723	0.0000	OK
240 minute summer	S77	148	-0.108	0.231	7.5	0.7471	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	0.9	0.044	0.013	3.1043	
240 minute summer	S25	2.000	S16	0.7	0.039	0.010	2.5354	
240 minute summer	S16	1.001	S145	5.2	0.145	0.073	6.6443	
240 minute summer	S145	1.002	S75	10.5	0.177	0.149	8.5774	
240 minute summer	S4	3.000	S5	1.2	0.084	0.016	4.7751	
240 minute summer	S5	3.001	S11	3.0	0.118	0.041	6.2872	
240 minute summer	S9	4.000	S10	0.7	0.094	0.010	3.9425	
240 minute summer	S10	4.001	S11	1.1	0.083	0.014	0.7323	
240 minute summer	S11	3.002	S12	4.5	0.074	0.063	1.5836	
240 minute summer	S12	3.003	S15	5.0	0.074	0.073	2.1321	
240 minute summer	S1	5.000	S3	3.1	0.100	0.044	5.7620	
240 minute summer	S3	5.001	S2	4.7	0.136	0.067	4.8342	
240 minute summer	S2	5.002	S15	5.7	0.104	0.084	1.9827	
240 minute summer	S14	6.000	S15	-1.4	-0.040	-0.020	6.4334	
240 minute summer	S15	3.004	S75	13.8	0.154	0.192	3.0508	
240 minute summer	S75	1.003	S92	23.7	0.235	0.333	3.4820	
240 minute summer	S87	7.000	S88	3.3	0.111	0.046	3.0429	
240 minute summer	S88	7.001	S89	6.0	0.136	0.084	3.4684	
240 minute summer	S89	7.002	S90	8.6	0.156	0.121	3.8913	
240 minute summer	S90	7.003	S92	10.9	0.183	0.155	5.4724	
240 minute summer	S92	1.005	S86	31.6	0.295	0.444	3.0002	
240 minute summer	S81	8.000	S82	3.3	0.111	0.046	3.2283	
240 minute summer	S82	8.001	S83	5.9	0.134	0.085	3.6447	
240 minute summer	S83	8.002	S84	8.5	0.155	0.119	4.0573	
240 minute summer	S84	8.003	S86	10.9	0.184	0.153	5.3756	
240 minute summer	S86	1.006	S30	38.3	0.348	0.540	3.0806	
240 minute summer	S76	9.000	S77	3.2	0.111	0.045	3.3423	
240 minute summer	S77	9.001	S78	5.8	0.134	0.082	3.7685	

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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	-0.108	0.253	10.1	0.8131	0.0000	OK
240 minute summer	S79	148	-0.108	0.274	12.6	0.8648	0.0000	OK
240 minute summer	S30	148	-0.109	0.298	46.1	0.7594	0.0000	OK
240 minute summer	S31	148	-0.122	0.214	4.5	0.7077	0.0000	OK
240 minute summer	S32	148	-0.122	0.257	6.6	0.7925	0.0000	OK
240 minute summer	S33	148	-0.123	0.300	50.1	0.7647	0.0000	OK
240 minute summer	S34	148	-0.139	0.300	51.4	0.5294	0.0000	OK
240 minute summer	S35	148	-0.165	0.301	51.6	0.5315	0.0000	OK
240 minute summer	S36	148	-0.176	0.266	1.6	0.4708	0.0000	OK
240 minute summer	S37	148	-0.176	0.295	56.2	1.4523	0.0000	OK
240 minute summer	S38	152	-0.227	0.289	55.9	0.5113	0.0000	OK
240 minute summer	S39	152	-0.282	0.280	55.6	0.4946	0.0000	OK
240 minute summer	S56	152	-0.295	0.264	0.4	0.4657	0.0000	OK
240 minute summer	S57	152	-0.295	0.270	55.6	0.6861	0.0000	OK
240 minute summer	S125	156	-0.325	0.230	0.9	0.4058	0.0000	OK
240 minute summer	S127	156	-0.325	0.254	55.5	0.6455	0.0000	OK
240 minute summer	S119	156	-0.366	0.203	0.8	0.3584	0.0000	OK
240 minute summer	S60	156	-0.366	0.227	55.4	0.5772	0.0000	OK
240 minute summer	Pond Inlet 1	156	-0.449	0.161	55.4	0.2850	0.0000	OK
240 minute summer	Pond Outlet	1676	-0.518	0.092	40.0	0.1045	0.0000	OK
240 minute summer	S13	1060	-0.518	0.120	0.4	0.4172	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	0.526	0.026	1.2	0.6517	0.0000	OK
240 minute summer	PP-S25	132	0.521	0.021	1.1	0.3983	0.0000	OK
240 minute summer	PP-S16	132	0.526	0.026	1.9	0.6278	0.0000	OK
240 minute summer	PP-S145	132	0.525	0.025	2.2	0.6273	0.0000	OK
240 minute summer	PP-S4	132	0.527	0.027	1.7	0.6606	0.0000	OK
240 minute summer	PP-S1	148	0.530	0.030	4.3	7.1558	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	8.4	0.154	0.121	4.1801	
240 minute summer	S79	9.003	S30	10.9	0.185	0.151	5.1577	
240 minute summer	S30	1.007	S33	46.0	0.414	0.646	3.5496	
240 minute summer	S31	10.000	S32	2.7	0.114	0.039	7.2292	
240 minute summer	S32	10.001	S33	3.6	0.145	0.050	8.8818	
240 minute summer	S33	1.008	S34	50.0	0.445	0.709	3.6213	
240 minute summer	S34	1.009	S35	51.4	0.457	0.723	6.0337	
240 minute summer	S35	1.010	S37	51.5	0.462	0.776	1.2624	
240 minute summer	S36	11.000	S37	1.1	-0.052	0.016	5.9860	
240 minute summer	S37	1.011	S38	55.9	0.518	0.792	9.8537	
240 minute summer	S38	1.012	S39	55.6	0.529	0.779	9.5561	
240 minute summer	S39	1.013	S57	55.6	0.550	0.877	0.7558	
240 minute summer	S56	12.011	S57	-0.4	-0.104	-0.006	1.2741	
240 minute summer	S57	1.014	S127	55.5	0.583	0.785	2.6821	
240 minute summer	S125	21.003	S127	-0.9	-0.118	-0.013	4.2755	
240 minute summer	S127	1.015	S60	55.4	0.645	0.777	2.3824	
240 minute summer	S119	22.003	S60	-0.8	-0.112	-0.011	3.6828	
240 minute summer	S60	1.016	Pond Inlet 1	55.4	0.848	0.731	1.9555	
240 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	40.0	0.025	0.001	460.3622	
240 minute summer	Pond Outlet	1.018	S13	0.4	0.172	0.005	0.1521	
240 minute summer	S13	Pump	Final Outfall	0.0				0.0
240 minute summer	PP-S26	1.000_1	S26	1.1	0.428	0.029	0.0257	
240 minute summer	PP-S25	2.000_1	S25	1.0	0.546	0.017	0.0091	
240 minute summer	PP-S16	3.000_1	S16	1.8	0.724	0.026	0.0122	
240 minute summer	PP-S145	4.000_2	S145	2.1	0.889	0.025	0.0117	
240 minute summer	PP-S4	1.000_2	S4	1.6	0.625	0.028	0.0129	
240 minute summer	PP-S1	4.000_1	S1	2.4	0.784	0.036	0.0154	

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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	0.529	0.029	2.6	0.8593	0.0000	OK
240 minute summer	PP-S12	132	0.516	0.016	0.9	0.3553	0.0000	OK
240 minute summer	PP-S14	140	0.504	0.004	0.1	0.0863	0.0000	OK
240 minute summer	PP-S2	136	0.518	0.018	1.4	0.7534	0.0000	OK
240 minute summer	PP-S15	132	0.517	0.017	1.1	0.2835	0.0000	OK
240 minute summer	PP-S75	132	0.516	0.016	1.0	0.3036	0.0000	OK
240 minute summer	PP-S24	132	0.525	0.025	2.6	0.7542	0.0000	OK
240 minute summer	PP-S30	132	0.515	0.015	1.0	0.2732	0.0000	OK
240 minute summer	PP-S33	132	0.516	0.016	1.1	0.2557	0.0000	OK
240 minute summer	PP-S34	132	0.521	0.021	2.2	0.6239	0.0000	OK
240 minute summer	PP-S35	136	0.508	0.008	0.3	0.0891	0.0000	OK
240 minute summer	PP-S36	132	0.519	0.019	1.7	0.3789	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	2.4	0.849	0.033	0.0144	
240 minute summer	PP-S12	8.000_1	S12	0.9	0.716	0.009	0.0060	
240 minute summer	PP-S14	11.000_1	S14	0.0	0.331	0.001	0.0007	
240 minute summer	PP-S2	10.000_1	S2	1.2	0.798	0.013	0.0076	
240 minute summer	PP-S15	12.000_1	S15	1.0	0.775	0.011	0.0066	
240 minute summer	PP-S75	13.000_1	S75	1.0	0.790	0.010	0.0062	
240 minute summer	PP-S24	14.000_1	S92	2.5	1.070	0.024	0.0115	
240 minute summer	PP-S30	18.000_1	S30	0.9	0.842	0.008	0.0054	
240 minute summer	PP-S33	20.000_1	S33	1.1	0.903	0.010	0.0060	
240 minute summer	PP-S34	21.000_1	S34	2.1	1.127	0.018	0.0093	
240 minute summer	PP-S35	22.000_2	S35	0.3	0.657	0.002	0.0023	
240 minute summer	PP-S36	23.000_2	S36	1.6	1.050	0.014	0.0077	

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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	-0.082	0.156	0.9	0.2749	0.0000	OK
240 minute winter	S25	156	-0.082	0.162	0.8	0.4112	0.0000	OK
240 minute winter	S16	156	-0.082	0.185	6.0	0.8183	0.0000	OK
240 minute winter	S145	156	-0.084	0.231	11.2	0.9967	0.0000	OK
240 minute winter	S4	156	-0.084	0.159	1.3	0.2816	0.0000	OK
240 minute winter	S5	156	-0.084	0.200	2.6	0.3539	0.0000	OK
240 minute winter	S9	156	-0.084	0.212	1.1	0.4885	0.0000	OK
240 minute winter	S10	156	-0.084	0.237	0.7	0.4188	0.0000	OK
240 minute winter	S11	156	-0.084	0.242	3.8	0.4276	0.0000	OK
240 minute winter	S12	156	-0.084	0.251	4.7	0.4433	0.0000	OK
240 minute winter	S1	156	-0.083	0.181	3.3	0.4260	0.0000	OK
240 minute winter	S3	156	-0.084	0.223	5.3	0.7146	0.0000	OK
240 minute winter	S2	156	-0.084	0.252	5.6	0.4453	0.0000	OK
240 minute winter	S14	156	-0.084	0.225	0.9	0.3972	0.0000	OK
240 minute winter	S15	156	-0.084	0.262	13.0	1.1782	0.0000	OK
240 minute winter	S75	156	-0.086	0.276	22.6	0.7036	0.0000	OK
240 minute winter	S87	156	-0.088	0.198	3.1	0.6416	0.0000	OK
240 minute winter	S88	156	-0.088	0.220	5.7	0.7165	0.0000	OK
240 minute winter	S89	156	-0.088	0.242	7.9	0.7827	0.0000	OK
240 minute winter	S90	156	-0.089	0.263	10.0	0.8381	0.0000	OK
240 minute winter	S92	156	-0.089	0.290	31.4	0.7370	0.0000	OK
240 minute winter	S81	156	-0.094	0.208	3.1	0.6701	0.0000	OK
240 minute winter	S82	156	-0.095	0.229	5.7	0.7451	0.0000	OK
240 minute winter	S83	156	-0.095	0.250	7.9	0.8080	0.0000	OK
240 minute winter	S84	156	-0.095	0.272	10.0	0.8628	0.0000	OK
240 minute winter	S86	156	-0.096	0.297	38.8	0.7571	0.0000	OK
240 minute winter	S76	156	-0.103	0.214	3.1	0.6866	0.0000	OK
240 minute winter	S77	156	-0.103	0.236	5.7	0.7615	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	0.8	0.044	0.011	3.1872	
240 minute winter	S25	2.000	S16	0.7	0.036	0.010	2.6020	
240 minute winter	S16	1.001	S145	4.9	0.145	0.069	6.7860	
240 minute winter	S145	1.002	S75	9.8	0.187	0.139	8.7242	
240 minute winter	S4	3.000	S5	1.1	0.082	0.015	4.8963	
240 minute winter	S5	3.001	S11	2.8	0.108	0.040	6.4128	
240 minute winter	S9	4.000	S10	0.7	0.110	0.010	4.0218	
240 minute winter	S10	4.001	S11	1.1	0.126	0.014	0.7457	
240 minute winter	S11	3.002	S12	4.4	0.074	0.062	1.6115	
240 minute winter	S12	3.003	S15	4.9	0.075	0.071	2.1678	
240 minute winter	S1	5.000	S3	3.1	0.098	0.044	5.8902	
240 minute winter	S3	5.001	S2	4.8	0.143	0.068	4.9234	
240 minute winter	S2	5.002	S15	5.7	0.115	0.084	2.0158	
240 minute winter	S14	6.000	S15	-0.9	-0.050	-0.013	6.5481	
240 minute winter	S15	3.004	S75	13.6	0.158	0.190	3.0994	
240 minute winter	S75	1.003	S92	23.1	0.231	0.325	3.5361	
240 minute winter	S87	7.000	S88	2.6	0.109	0.036	3.1219	
240 minute winter	S88	7.001	S89	4.7	0.146	0.066	3.5467	
240 minute winter	S89	7.002	S90	6.9	0.173	0.097	3.9679	
240 minute winter	S90	7.003	S92	8.9	0.189	0.126	5.5648	
240 minute winter	S92	1.005	S86	31.4	0.291	0.442	3.0473	
240 minute winter	S81	8.000	S82	2.6	0.108	0.036	3.3117	
240 minute winter	S82	8.001	S83	4.7	0.145	0.068	3.7273	
240 minute winter	S83	8.002	S84	6.9	0.172	0.096	4.1377	
240 minute winter	S84	8.003	S86	9.0	0.192	0.126	5.4677	
240 minute winter	S86	1.006	S30	38.7	0.346	0.546	3.1296	
240 minute winter	S76	9.000	S77	2.6	0.109	0.036	3.4291	
240 minute winter	S77	9.001	S78	4.7	0.145	0.066	3.8542	

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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	-0.104	0.257	7.9	0.8272	0.0000	OK
240 minute winter	S79	156	-0.104	0.278	10.0	0.8784	0.0000	OK
240 minute winter	S30	156	-0.104	0.303	46.9	0.7701	0.0000	OK
240 minute winter	S31	156	-0.118	0.218	3.3	0.7219	0.0000	OK
240 minute winter	S32	156	-0.118	0.261	5.2	0.8056	0.0000	OK
240 minute winter	S33	156	-0.118	0.305	51.1	0.7755	0.0000	OK
240 minute winter	S34	156	-0.135	0.304	52.4	0.5367	0.0000	OK
240 minute winter	S35	156	-0.161	0.305	52.5	0.5387	0.0000	OK
240 minute winter	S36	156	-0.172	0.270	1.3	0.4779	0.0000	OK
240 minute winter	S37	156	-0.172	0.299	57.1	1.4722	0.0000	OK
240 minute winter	S38	160	-0.223	0.293	56.9	0.5181	0.0000	OK
240 minute winter	S39	160	-0.278	0.284	56.8	0.5011	0.0000	OK
240 minute winter	S56	160	-0.292	0.267	0.5	0.4720	0.0000	OK
240 minute winter	S57	160	-0.292	0.273	56.7	0.6951	0.0000	OK
240 minute winter	S125	164	-0.322	0.233	0.9	0.4117	0.0000	OK
240 minute winter	S127	164	-0.322	0.257	56.7	0.6540	0.0000	OK
240 minute winter	S119	164	-0.363	0.206	0.9	0.3643	0.0000	OK
240 minute winter	S60	164	-0.363	0.230	56.6	0.5857	0.0000	OK
240 minute winter	Pond Inlet 1	168	-0.445	0.165	56.6	0.2918	0.0000	OK
240 minute winter	Pond Outlet	1664	-0.507	0.103	36.9	0.1165	0.0000	OK
240 minute winter	S13	1064	-0.507	0.131	0.3	0.4540	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	0.524	0.024	1.0	0.5622	0.0000	OK
240 minute winter	PP-S25	140	0.519	0.019	0.8	0.3256	0.0000	OK
240 minute winter	PP-S16	132	0.523	0.023	1.5	0.5280	0.0000	OK
240 minute winter	PP-S145	136	0.523	0.023	1.7	0.5148	0.0000	OK
240 minute winter	PP-S4	132	0.524	0.024	1.4	0.5465	0.0000	OK
240 minute winter	PP-S1	156	0.530	0.030	3.4	7.1114	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	6.9	0.169	0.099	4.2634	
240 minute winter	S79	9.003	S30	9.0	0.193	0.125	5.2466	
240 minute winter	S30	1.007	S33	46.7	0.413	0.656	3.6062	
240 minute winter	S31	10.000	S32	2.4	0.114	0.033	7.3931	
240 minute winter	S32	10.001	S33	3.7	0.155	0.052	9.0405	
240 minute winter	S33	1.008	S34	51.1	0.448	0.724	3.6785	
240 minute winter	S34	1.009	S35	52.3	0.459	0.737	6.1272	
240 minute winter	S35	1.010	S37	52.5	0.464	0.790	1.2819	
240 minute winter	S36	11.000	S37	1.0	-0.048	0.014	6.0870	
240 minute winter	S37	1.011	S38	56.9	0.516	0.806	10.0059	
240 minute winter	S38	1.012	S39	56.8	0.531	0.795	9.7019	
240 minute winter	S39	1.013	S57	56.7	0.552	0.895	0.7675	
240 minute winter	S56	12.011	S57	-0.5	-0.150	-0.008	1.2945	
240 minute winter	S57	1.014	S127	56.7	0.585	0.802	2.7257	
240 minute winter	S125	21.003	S127	-0.9	-0.130	-0.013	4.3491	
240 minute winter	S127	1.015	S60	56.6	0.648	0.795	2.4237	
240 minute winter	S119	22.003	S60	-0.9	-0.124	-0.013	3.7565	
240 minute winter	S60	1.016	Pond Inlet 1	56.6	0.847	0.747	2.0026	
240 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	36.9	0.024	0.001	515.9776	
240 minute winter	Pond Outlet	1.018	S13	0.3	0.184	0.005	0.1729	
240 minute winter	S13	Pump	Final Outfall	0.0				0.0
240 minute winter	PP-S26	1.000_1	S26	0.9	0.410	0.024	0.0229	
240 minute winter	PP-S25	2.000_1	S25	0.8	0.511	0.014	0.0078	
240 minute winter	PP-S16	3.000_1	S16	1.5	0.686	0.022	0.0107	
240 minute winter	PP-S145	4.000_2	S145	1.7	0.836	0.020	0.0101	
240 minute winter	PP-S4	1.000_2	S4	1.3	0.589	0.023	0.0111	
240 minute winter	PP-S1	4.000_1	S1	2.4	0.782	0.036	0.0153	

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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	0.526	0.026	2.0	0.7024	0.0000	OK
240 minute winter	PP-S12	140	0.514	0.014	0.7	0.2949	0.0000	OK
240 minute winter	PP-S14	140	0.504	0.004	0.1	0.0863	0.0000	OK
240 minute winter	PP-S2	136	0.517	0.017	1.1	0.6534	0.0000	OK
240 minute winter	PP-S15	140	0.515	0.015	0.8	0.2282	0.0000	OK
240 minute winter	PP-S75	136	0.515	0.015	0.8	0.2529	0.0000	OK
240 minute winter	PP-S24	132	0.522	0.022	2.0	0.6105	0.0000	OK
240 minute winter	PP-S30	132	0.513	0.013	0.8	0.2219	0.0000	OK
240 minute winter	PP-S33	136	0.515	0.015	0.9	0.2156	0.0000	OK
240 minute winter	PP-S34	136	0.519	0.019	1.7	0.5138	0.0000	OK
240 minute winter	PP-S35	136	0.508	0.008	0.3	0.0892	0.0000	OK
240 minute winter	PP-S36	136	0.517	0.017	1.3	0.3085	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	2.0	0.797	0.027	0.0123	
240 minute winter	PP-S12	8.000_1	S12	0.7	0.674	0.008	0.0052	
240 minute winter	PP-S14	11.000_1	S14	0.0	0.331	0.001	0.0007	
240 minute winter	PP-S2	10.000_1	S2	1.0	0.761	0.011	0.0068	
240 minute winter	PP-S15	12.000_1	S15	0.8	0.720	0.008	0.0056	
240 minute winter	PP-S75	13.000_1	S75	0.8	0.743	0.008	0.0054	
240 minute winter	PP-S24	14.000_1	S92	2.0	1.003	0.019	0.0099	
240 minute winter	PP-S30	18.000_1	S30	0.7	0.788	0.007	0.0047	
240 minute winter	PP-S33	20.000_1	S33	0.9	0.852	0.008	0.0053	
240 minute winter	PP-S34	21.000_1	S34	1.7	1.060	0.014	0.0080	
240 minute winter	PP-S35	22.000_2	S35	0.3	0.657	0.002	0.0023	
240 minute winter	PP-S36	23.000_2	S36	1.3	0.979	0.011	0.0066	

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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	-0.105	0.133	0.8	0.2348	0.0000	OK
360 minute summer	S25	216	-0.105	0.139	0.8	0.3533	0.0000	OK
360 minute summer	S16	216	-0.105	0.162	5.7	0.7174	0.0000	OK
360 minute summer	S145	216	-0.106	0.209	10.6	0.8979	0.0000	OK
360 minute summer	S4	216	-0.107	0.136	1.3	0.2410	0.0000	OK
360 minute summer	S5	216	-0.107	0.177	2.5	0.3132	0.0000	OK
360 minute summer	S9	216	-0.107	0.189	1.2	0.4356	0.0000	OK
360 minute summer	S10	216	-0.107	0.214	0.8	0.3783	0.0000	OK
360 minute summer	S11	216	-0.107	0.219	3.2	0.3871	0.0000	OK
360 minute summer	S12	216	-0.107	0.228	4.0	0.4028	0.0000	OK
360 minute summer	S1	216	-0.106	0.158	2.9	0.3724	0.0000	OK
360 minute summer	S3	216	-0.106	0.201	4.9	0.6415	0.0000	OK
360 minute summer	S2	216	-0.107	0.229	5.1	0.4048	0.0000	OK
360 minute summer	S14	216	-0.107	0.202	1.0	0.3566	0.0000	OK
360 minute summer	S15	216	-0.107	0.239	11.5	1.0749	0.0000	OK
360 minute summer	S75	216	-0.109	0.253	20.5	0.6448	0.0000	OK
360 minute summer	S87	216	-0.112	0.174	3.2	0.5653	0.0000	OK
360 minute summer	S88	216	-0.112	0.196	5.9	0.6398	0.0000	OK
360 minute summer	S89	216	-0.112	0.218	8.0	0.7066	0.0000	OK
360 minute summer	S90	216	-0.112	0.240	10.1	0.7634	0.0000	OK
360 minute summer	S92	216	-0.113	0.266	28.2	0.6774	0.0000	OK
360 minute summer	S81	216	-0.118	0.184	3.2	0.5939	0.0000	OK
360 minute summer	S82	216	-0.118	0.206	5.8	0.6684	0.0000	OK
360 minute summer	S83	216	-0.118	0.227	8.0	0.7318	0.0000	OK
360 minute summer	S84	216	-0.119	0.248	10.0	0.7880	0.0000	OK
360 minute summer	S86	216	-0.119	0.274	34.6	0.6972	0.0000	OK
360 minute summer	S76	216	-0.127	0.190	3.2	0.6107	0.0000	OK
360 minute summer	S77	216	-0.127	0.212	5.8	0.6851	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	0.010	2.6221	
360 minute summer	S25	2.000	S16	0.6	0.039	0.009	2.1485	
360 minute summer	S16	1.001	S145	4.6	0.142	0.064	5.8283	
360 minute summer	S145	1.002	S75	9.3	0.160	0.132	7.7535	
360 minute summer	S4	3.000	S5	0.9	0.082	0.013	4.0740	
360 minute summer	S5	3.001	S11	2.4	0.109	0.034	5.5656	
360 minute summer	S9	4.000	S10	0.6	0.089	0.008	3.4996	
360 minute summer	S10	4.001	S11	0.9	0.088	0.012	0.6561	
360 minute summer	S11	3.002	S12	3.8	0.070	0.054	1.4250	
360 minute summer	S12	3.003	S15	4.2	0.068	0.062	1.9296	
360 minute summer	S1	5.000	S3	2.8	0.104	0.039	5.0311	
360 minute summer	S3	5.001	S2	4.3	0.124	0.061	4.3291	
360 minute summer	S2	5.002	S15	5.1	0.092	0.075	1.7950	
360 minute summer	S14	6.000	S15	-1.0	-0.027	-0.014	5.7794	
360 minute summer	S15	3.004	S75	12.0	0.147	0.168	2.7792	
360 minute summer	S75	1.003	S92	20.8	0.228	0.292	3.1924	
360 minute summer	S87	7.000	S88	2.6	0.102	0.036	2.6685	
360 minute summer	S88	7.001	S89	4.7	0.124	0.066	3.0902	
360 minute summer	S89	7.002	S90	6.9	0.143	0.096	3.5127	
360 minute summer	S90	7.003	S92	8.7	0.155	0.124	5.0019	
360 minute summer	S92	1.005	S86	28.3	0.286	0.398	2.7639	
360 minute summer	S81	8.000	S82	2.5	0.101	0.036	2.8540	
360 minute summer	S82	8.001	S83	4.7	0.123	0.067	3.2683	
360 minute summer	S83	8.002	S84	6.8	0.141	0.095	3.6820	
360 minute summer	S84	8.003	S86	8.7	0.163	0.122	4.9345	
360 minute summer	S86	1.006	S30	34.7	0.339	0.488	2.8474	
360 minute summer	S76	9.000	S77	2.5	0.102	0.036	2.9707	
360 minute summer	S77	9.001	S78	4.7	0.123	0.065	3.3958	

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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	-0.127	0.234	8.0	0.7513	0.0000	OK
360 minute summer	S79	216	-0.127	0.255	10.0	0.8040	0.0000	OK
360 minute summer	S30	216	-0.128	0.279	41.7	0.7103	0.0000	OK
360 minute summer	S31	216	-0.141	0.195	3.4	0.6452	0.0000	OK
360 minute summer	S32	216	-0.141	0.238	5.2	0.7341	0.0000	OK
360 minute summer	S33	216	-0.141	0.282	45.4	0.7165	0.0000	OK
360 minute summer	S34	216	-0.158	0.281	46.4	0.4966	0.0000	OK
360 minute summer	S35	216	-0.183	0.283	46.6	0.5001	0.0000	OK
360 minute summer	S36	216	-0.193	0.249	1.3	0.4402	0.0000	OK
360 minute summer	S37	216	-0.193	0.278	50.9	1.3673	0.0000	OK
360 minute summer	S38	216	-0.243	0.273	50.6	0.4830	0.0000	OK
360 minute summer	S39	216	-0.296	0.266	50.6	0.4695	0.0000	OK
360 minute summer	S56	216	-0.309	0.250	0.2	0.4418	0.0000	OK
360 minute summer	S57	216	-0.309	0.256	50.6	0.6516	0.0000	OK
360 minute summer	S125	216	-0.338	0.217	0.5	0.3838	0.0000	OK
360 minute summer	S127	216	-0.338	0.241	50.5	0.6138	0.0000	OK
360 minute summer	S119	224	-0.377	0.192	0.6	0.3394	0.0000	OK
360 minute summer	S60	224	-0.377	0.216	50.4	0.5499	0.0000	OK
360 minute summer	Pond Inlet 1	224	-0.457	0.153	50.2	0.2709	0.0000	OK
360 minute summer	Pond Outlet	1704	-0.508	0.102	26.1	0.1159	0.0000	OK
360 minute summer	S13	1128	-0.507	0.131	0.2	0.4521	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	200	0.523	0.023	0.9	0.5060	0.0000	OK
360 minute summer	PP-S25	192	0.519	0.019	0.8	0.3179	0.0000	OK
360 minute summer	PP-S16	192	0.523	0.023	1.4	0.4913	0.0000	OK
360 minute summer	PP-S145	192	0.522	0.022	1.7	0.5071	0.0000	OK
360 minute summer	PP-S4	192	0.523	0.023	1.3	0.5216	0.0000	OK
360 minute summer	PP-S1	208	0.528	0.028	3.3	6.4919	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	6.8	0.141	0.097	3.8095	
360 minute summer	S79	9.003	S30	8.7	0.163	0.121	4.7498	
360 minute summer	S30	1.007	S33	41.5	0.403	0.583	3.2895	
360 minute summer	S31	10.000	S32	2.2	0.092	0.031	6.5016	
360 minute summer	S32	10.001	S33	3.3	0.120	0.046	8.1677	
360 minute summer	S33	1.008	S34	45.3	0.435	0.643	3.3621	
360 minute summer	S34	1.009	S35	46.5	0.445	0.654	5.6159	
360 minute summer	S35	1.010	S37	46.7	0.449	0.702	1.1771	
360 minute summer	S36	11.000	S37	0.9	-0.043	0.012	5.5505	
360 minute summer	S37	1.011	S38	50.6	0.501	0.716	9.2069	
360 minute summer	S38	1.012	S39	50.6	0.512	0.708	8.9604	
360 minute summer	S39	1.013	S57	50.6	0.531	0.798	0.7102	
360 minute summer	S56	12.011	S57	-0.2	-0.124	-0.004	1.1959	
360 minute summer	S57	1.014	S127	50.5	0.563	0.714	2.5211	
360 minute summer	S125	21.003	S127	-0.5	-0.083	-0.007	4.0002	
360 minute summer	S127	1.015	S60	50.4	0.624	0.707	2.2373	
360 minute summer	S119	22.003	S60	-0.6	-0.103	-0.009	3.4459	
360 minute summer	S60	1.016	Pond Inlet 1	50.2	0.824	0.663	1.8328	
360 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	26.1	0.016	0.001	513.0530	
360 minute summer	Pond Outlet	1.018	S13	0.2	0.149	0.003	0.1718	
360 minute summer	S13	Pump	Final Outfall	0.0				0.0
360 minute summer	PP-S26	1.000_1	S26	0.8	0.397	0.022	0.0212	
360 minute summer	PP-S25	2.000_1	S25	0.8	0.507	0.014	0.0077	
360 minute summer	PP-S16	3.000_1	S16	1.4	0.671	0.020	0.0102	
360 minute summer	PP-S145	4.000_2	S145	1.7	0.832	0.020	0.0100	
360 minute summer	PP-S4	1.000_2	S4	1.3	0.581	0.022	0.0108	
360 minute summer	PP-S1	4.000_1	S1	2.1	0.753	0.032	0.0141	

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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	0.526	0.026	2.0	0.6938	0.0000	OK
360 minute summer	PP-S12	192	0.514	0.014	0.7	0.2855	0.0000	OK
360 minute summer	PP-S14	200	0.504	0.004	0.1	0.0695	0.0000	OK
360 minute summer	PP-S2	200	0.516	0.016	1.0	0.5970	0.0000	OK
360 minute summer	PP-S15	192	0.515	0.015	0.8	0.2259	0.0000	OK
360 minute summer	PP-S75	192	0.515	0.015	0.8	0.2493	0.0000	OK
360 minute summer	PP-S24	192	0.522	0.022	2.0	0.6052	0.0000	OK
360 minute summer	PP-S30	192	0.513	0.013	0.7	0.2082	0.0000	OK
360 minute summer	PP-S33	192	0.514	0.014	0.9	0.2132	0.0000	OK
360 minute summer	PP-S34	192	0.519	0.019	1.7	0.5061	0.0000	OK
360 minute summer	PP-S35	192	0.508	0.008	0.3	0.0874	0.0000	OK
360 minute summer	PP-S36	192	0.517	0.017	1.3	0.3067	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	1.9	0.794	0.026	0.0122	
360 minute summer	PP-S12	8.000_1	S12	0.7	0.667	0.007	0.0051	
360 minute summer	PP-S14	11.000_1	S14	0.0	0.320	0.000	0.0005	
360 minute summer	PP-S2	10.000_1	S2	0.9	0.739	0.010	0.0064	
360 minute summer	PP-S15	12.000_1	S15	0.8	0.718	0.008	0.0055	
360 minute summer	PP-S75	13.000_1	S75	0.8	0.739	0.008	0.0053	
360 minute summer	PP-S24	14.000_1	S92	2.0	1.000	0.019	0.0098	
360 minute summer	PP-S30	18.000_1	S30	0.7	0.772	0.006	0.0045	
360 minute summer	PP-S33	20.000_1	S33	0.9	0.849	0.008	0.0052	
360 minute summer	PP-S34	21.000_1	S34	1.7	1.054	0.014	0.0079	
360 minute summer	PP-S35	22.000_2	S35	0.3	0.653	0.002	0.0022	
360 minute summer	PP-S36	23.000_2	S36	1.3	0.977	0.011	0.0066	

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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	-0.110	0.128	0.7	0.2253	0.0000	OK
360 minute winter	S25	224	-0.110	0.134	0.6	0.3398	0.0000	OK
360 minute winter	S16	224	-0.111	0.156	4.7	0.6938	0.0000	OK
360 minute winter	S145	224	-0.112	0.203	9.0	0.8751	0.0000	OK
360 minute winter	S4	224	-0.112	0.131	1.0	0.2315	0.0000	OK
360 minute winter	S5	224	-0.112	0.172	2.1	0.3038	0.0000	OK
360 minute winter	S9	224	-0.112	0.184	0.8	0.4232	0.0000	OK
360 minute winter	S10	224	-0.112	0.209	0.6	0.3687	0.0000	OK
360 minute winter	S11	224	-0.112	0.214	3.0	0.3775	0.0000	OK
360 minute winter	S12	224	-0.112	0.223	3.7	0.3933	0.0000	OK
360 minute winter	S1	224	-0.111	0.153	2.8	0.3596	0.0000	OK
360 minute winter	S3	224	-0.112	0.195	4.4	0.6242	0.0000	OK
360 minute winter	S2	224	-0.112	0.224	4.8	0.3953	0.0000	OK
360 minute winter	S14	224	-0.113	0.196	0.5	0.3472	0.0000	OK
360 minute winter	S15	224	-0.113	0.233	10.9	1.0507	0.0000	OK
360 minute winter	S75	224	-0.114	0.248	19.3	0.6314	0.0000	OK
360 minute winter	S87	224	-0.116	0.170	2.3	0.5502	0.0000	OK
360 minute winter	S88	224	-0.116	0.192	4.4	0.6246	0.0000	OK
360 minute winter	S89	224	-0.117	0.213	6.2	0.6913	0.0000	OK
360 minute winter	S90	224	-0.117	0.235	7.9	0.7481	0.0000	OK
360 minute winter	S92	224	-0.118	0.261	27.0	0.6649	0.0000	OK
360 minute winter	S81	224	-0.123	0.179	2.3	0.5796	0.0000	OK
360 minute winter	S82	224	-0.123	0.201	4.4	0.6540	0.0000	OK
360 minute winter	S83	224	-0.123	0.222	6.2	0.7173	0.0000	OK
360 minute winter	S84	224	-0.123	0.244	7.9	0.7736	0.0000	OK
360 minute winter	S86	224	-0.124	0.269	33.5	0.6854	0.0000	OK
360 minute winter	S76	224	-0.131	0.186	2.3	0.5970	0.0000	OK
360 minute winter	S77	224	-0.131	0.208	4.4	0.6713	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	0.042	0.009	2.4923	
360 minute winter	S25	2.000	S16	0.5	0.041	0.008	2.0447	
360 minute winter	S16	1.001	S145	4.2	0.139	0.058	5.6080	
360 minute winter	S145	1.002	S75	8.4	0.165	0.118	7.5313	
360 minute winter	S4	3.000	S5	0.9	0.077	0.012	3.8854	
360 minute winter	S5	3.001	S11	2.2	0.118	0.031	5.3686	
360 minute winter	S9	4.000	S10	0.6	0.088	0.009	3.3774	
360 minute winter	S10	4.001	S11	0.8	0.080	0.011	0.6351	
360 minute winter	S11	3.002	S12	3.4	0.071	0.048	1.3812	
360 minute winter	S12	3.003	S15	3.9	0.069	0.056	1.8736	
360 minute winter	S1	5.000	S3	2.6	0.104	0.037	4.8297	
360 minute winter	S3	5.001	S2	4.2	0.128	0.059	4.1893	
360 minute winter	S2	5.002	S15	4.9	0.100	0.072	1.7430	
360 minute winter	S14	6.000	S15	-0.5	-0.036	-0.008	5.6001	
360 minute winter	S15	3.004	S75	11.3	0.146	0.158	2.7050	
360 minute winter	S75	1.003	S92	19.5	0.222	0.275	3.1165	
360 minute winter	S87	7.000	S88	2.0	0.101	0.028	2.5794	
360 minute winter	S88	7.001	S89	3.8	0.134	0.053	2.9992	
360 minute winter	S89	7.002	S90	5.6	0.156	0.078	3.4201	
360 minute winter	S90	7.003	S92	7.3	0.166	0.103	4.8840	
360 minute winter	S92	1.005	S86	27.0	0.281	0.380	2.7054	
360 minute winter	S81	8.000	S82	2.0	0.097	0.028	2.7687	
360 minute winter	S82	8.001	S83	3.8	0.133	0.055	3.1817	
360 minute winter	S83	8.002	S84	5.6	0.155	0.078	3.5943	
360 minute winter	S84	8.003	S86	7.3	0.172	0.103	4.8294	
360 minute winter	S86	1.006	S30	33.5	0.335	0.472	2.7920	
360 minute winter	S76	9.000	S77	2.0	0.098	0.028	2.8883	
360 minute winter	S77	9.001	S78	3.8	0.133	0.053	3.3123	

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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	-0.132	0.229	6.1	0.7375	0.0000	OK
360 minute winter	S79	224	-0.132	0.250	7.9	0.7902	0.0000	OK
360 minute winter	S30	224	-0.132	0.275	40.6	0.6990	0.0000	OK
360 minute winter	S31	224	-0.146	0.190	2.5	0.6308	0.0000	OK
360 minute winter	S32	224	-0.146	0.233	4.1	0.7206	0.0000	OK
360 minute winter	S33	224	-0.146	0.277	44.3	0.7053	0.0000	OK
360 minute winter	S34	224	-0.162	0.277	45.4	0.4889	0.0000	OK
360 minute winter	S35	224	-0.187	0.279	45.5	0.4925	0.0000	OK
360 minute winter	S36	224	-0.197	0.245	1.0	0.4327	0.0000	OK
360 minute winter	S37	224	-0.197	0.274	49.5	1.3464	0.0000	OK
360 minute winter	S38	224	-0.247	0.269	49.3	0.4760	0.0000	OK
360 minute winter	S39	224	-0.300	0.262	49.3	0.4635	0.0000	OK
360 minute winter	S56	224	-0.312	0.247	0.3	0.4362	0.0000	OK
360 minute winter	S57	224	-0.312	0.253	49.3	0.6436	0.0000	OK
360 minute winter	S125	232	-0.340	0.215	0.9	0.3792	0.0000	OK
360 minute winter	S127	232	-0.340	0.239	49.3	0.6072	0.0000	OK
360 minute winter	S119	232	-0.379	0.190	0.4	0.3365	0.0000	OK
360 minute winter	S60	232	-0.379	0.214	49.2	0.5457	0.0000	OK
360 minute winter	Pond Inlet 1	232	-0.457	0.153	49.1	0.2709	0.0000	OK
360 minute winter	Pond Outlet	1736	-0.496	0.114	24.8	0.1286	0.0000	OK
360 minute winter	S13	1432	-0.496	0.142	0.2	0.4912	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	200	0.521	0.021	0.7	0.4229	0.0000	OK
360 minute winter	PP-S25	208	0.516	0.016	0.6	0.2511	0.0000	OK
360 minute winter	PP-S16	200	0.520	0.020	1.1	0.4023	0.0000	OK
360 minute winter	PP-S145	192	0.520	0.020	1.3	0.4008	0.0000	OK
360 minute winter	PP-S4	200	0.521	0.021	1.0	0.4223	0.0000	OK
360 minute winter	PP-S1	216	0.528	0.028	2.6	6.3069	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	5.6	0.152	0.080	3.7253	
360 minute winter	S79	9.003	S30	7.3	0.169	0.102	4.6553	
360 minute winter	S30	1.007	S33	40.5	0.399	0.569	3.2284	
360 minute winter	S31	10.000	S32	1.9	0.112	0.027	6.3336	
360 minute winter	S32	10.001	S33	3.3	0.142	0.046	8.0004	
360 minute winter	S33	1.008	S34	44.3	0.433	0.629	3.3003	
360 minute winter	S34	1.009	S35	45.4	0.442	0.639	5.5141	
360 minute winter	S35	1.010	S37	45.5	0.446	0.685	1.1559	
360 minute winter	S36	11.000	S37	0.8	-0.042	0.011	5.4426	
360 minute winter	S37	1.011	S38	49.3	0.495	0.698	9.0443	
360 minute winter	S38	1.012	S39	49.3	0.507	0.690	8.8140	
360 minute winter	S39	1.013	S57	49.3	0.526	0.778	0.6994	
360 minute winter	S56	12.011	S57	-0.3	-0.036	-0.005	1.1775	
360 minute winter	S57	1.014	S127	49.3	0.557	0.696	2.4845	
360 minute winter	S125	21.003	S127	-0.9	-0.098	-0.012	3.9433	
360 minute winter	S127	1.015	S60	49.2	0.616	0.690	2.2125	
360 minute winter	S119	22.003	S60	-0.4	-0.098	-0.005	3.4096	
360 minute winter	S60	1.016	Pond Inlet 1	49.1	0.812	0.648	1.8215	
360 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	24.8	0.018	0.001	572.3220	
360 minute winter	Pond Outlet	1.018	S13	0.2	0.152	0.003	0.1942	
360 minute winter	S13	Pump	Final Outfall	0.0				0.0
360 minute winter	PP-S26	1.000_1	S26	0.7	0.374	0.018	0.0185	
360 minute winter	PP-S25	2.000_1	S25	0.6	0.468	0.010	0.0064	
360 minute winter	PP-S16	3.000_1	S16	1.1	0.630	0.016	0.0087	
360 minute winter	PP-S145	4.000_2	S145	1.3	0.773	0.015	0.0083	
360 minute winter	PP-S4	1.000_2	S4	1.0	0.544	0.018	0.0092	
360 minute winter	PP-S1	4.000_1	S1	2.0	0.745	0.031	0.0137	

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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	192	0.522	0.022	1.5	0.5391	0.0000	OK
360 minute winter	PP-S12	208	0.512	0.012	0.5	0.2154	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	0.515	0.015	0.8	0.5134	0.0000	OK
360 minute winter	PP-S15	208	0.513	0.013	0.6	0.1740	0.0000	OK
360 minute winter	PP-S75	200	0.513	0.013	0.6	0.1932	0.0000	OK
360 minute winter	PP-S24	192	0.519	0.019	1.5	0.4703	0.0000	OK
360 minute winter	PP-S30	192	0.512	0.012	0.6	0.1808	0.0000	OK
360 minute winter	PP-S33	192	0.513	0.013	0.7	0.1692	0.0000	OK
360 minute winter	PP-S34	192	0.517	0.017	1.3	0.4003	0.0000	OK
360 minute winter	PP-S35	216	0.507	0.007	0.2	0.0626	0.0000	OK
360 minute winter	PP-S36	200	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)
360 minute winter	PP-S5	2.000_2	S5	1.5	0.733	0.020	0.0101	
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	0.8	0.702	0.009	0.0056	
360 minute winter	PP-S15	12.000_1	S15	0.6	0.659	0.006	0.0046	
360 minute winter	PP-S75	13.000_1	S75	0.6	0.681	0.006	0.0044	
360 minute winter	PP-S24	14.000_1	S92	1.5	0.923	0.015	0.0081	
360 minute winter	PP-S30	18.000_1	S30	0.6	0.737	0.005	0.0040	
360 minute winter	PP-S33	20.000_1	S33	0.7	0.788	0.006	0.0044	
360 minute winter	PP-S34	21.000_1	S34	1.3	0.974	0.011	0.0066	
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	1.0	0.906	0.008	0.0055	

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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	280	-0.122	0.116	0.7	0.2048	0.0000	OK
480 minute summer	S25	280	-0.122	0.122	0.6	0.3101	0.0000	OK
480 minute summer	S16	280	-0.122	0.145	4.9	0.6421	0.0000	OK
480 minute summer	S145	280	-0.124	0.191	9.2	0.8241	0.0000	OK
480 minute summer	S4	280	-0.124	0.119	1.0	0.2106	0.0000	OK
480 minute summer	S5	280	-0.124	0.160	2.1	0.2829	0.0000	OK
480 minute summer	S9	280	-0.124	0.172	0.9	0.3959	0.0000	OK
480 minute summer	S10	280	-0.124	0.197	0.6	0.3478	0.0000	OK
480 minute summer	S11	280	-0.124	0.202	2.8	0.3566	0.0000	OK
480 minute summer	S12	280	-0.124	0.211	3.5	0.3723	0.0000	OK
480 minute summer	S1	280	-0.123	0.141	2.6	0.3318	0.0000	OK
480 minute summer	S3	280	-0.124	0.183	4.3	0.5863	0.0000	OK
480 minute summer	S2	280	-0.124	0.212	4.5	0.3743	0.0000	OK
480 minute summer	S14	280	-0.124	0.185	0.7	0.3262	0.0000	OK
480 minute summer	S15	280	-0.124	0.222	10.3	0.9972	0.0000	OK
480 minute summer	S75	280	-0.126	0.236	18.4	0.6009	0.0000	OK
480 minute summer	S87	280	-0.129	0.157	2.5	0.5105	0.0000	OK
480 minute summer	S88	280	-0.129	0.179	4.7	0.5846	0.0000	OK
480 minute summer	S89	280	-0.129	0.201	6.6	0.6515	0.0000	OK
480 minute summer	S90	280	-0.129	0.223	8.3	0.7091	0.0000	OK
480 minute summer	S92	280	-0.130	0.249	25.4	0.6338	0.0000	OK
480 minute summer	S81	280	-0.135	0.167	2.5	0.5395	0.0000	OK
480 minute summer	S82	280	-0.135	0.189	4.7	0.6137	0.0000	OK
480 minute summer	S83	280	-0.135	0.210	6.6	0.6773	0.0000	OK
480 minute summer	S84	280	-0.136	0.231	8.3	0.7342	0.0000	OK
480 minute summer	S86	280	-0.136	0.257	31.5	0.6540	0.0000	OK
480 minute summer	S76	272	-0.144	0.173	2.5	0.5570	0.0000	OK
480 minute summer	S77	272	-0.144	0.195	4.7	0.6311	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	0.6	0.042	0.009	2.2143	
480 minute summer	S25	2.000	S16	0.5	0.041	0.007	1.8210	
480 minute summer	S16	1.001	S145	4.1	0.136	0.057	5.1240	
480 minute summer	S145	1.002	S75	8.2	0.144	0.116	7.0276	
480 minute summer	S4	3.000	S5	0.8	0.077	0.012	3.4775	
480 minute summer	S5	3.001	S11	2.1	0.103	0.029	4.9377	
480 minute summer	S9	4.000	S10	0.6	0.089	0.008	3.1102	
480 minute summer	S10	4.001	S11	0.8	0.099	0.011	0.5890	
480 minute summer	S11	3.002	S12	3.2	0.067	0.046	1.2848	
480 minute summer	S12	3.003	S15	3.7	0.061	0.054	1.7495	
480 minute summer	S1	5.000	S3	2.5	0.106	0.035	4.3936	
480 minute summer	S3	5.001	S2	4.0	0.113	0.056	3.8825	
480 minute summer	S2	5.002	S15	4.6	0.083	0.068	1.6279	
480 minute summer	S14	6.000	S15	-0.7	0.021	-0.010	5.2023	
480 minute summer	S15	3.004	S75	10.6	0.145	0.148	2.5372	
480 minute summer	S75	1.003	S92	18.5	0.220	0.260	2.9347	
480 minute summer	S87	7.000	S88	2.1	0.098	0.029	2.3472	
480 minute summer	S88	7.001	S89	4.0	0.120	0.056	2.7628	
480 minute summer	S89	7.002	S90	5.8	0.127	0.082	3.1820	
480 minute summer	S90	7.003	S92	7.5	0.131	0.106	4.5859	
480 minute summer	S92	1.005	S86	25.5	0.278	0.359	2.5537	
480 minute summer	S81	8.000	S82	2.1	0.089	0.029	2.5315	
480 minute summer	S82	8.001	S83	4.0	0.115	0.057	2.9412	
480 minute summer	S83	8.002	S84	5.8	0.127	0.082	3.3531	
480 minute summer	S84	8.003	S86	7.5	0.143	0.105	4.5442	
480 minute summer	S86	1.006	S30	31.5	0.332	0.443	2.6395	
480 minute summer	S76	9.000	S77	2.1	0.088	0.029	2.6495	
480 minute summer	S77	9.001	S78	4.0	0.110	0.055	3.0709	

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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	-0.144	0.217	6.6	0.6975	0.0000	OK
480 minute summer	S79	272	-0.144	0.238	8.3	0.7509	0.0000	OK
480 minute summer	S30	280	-0.145	0.262	38.0	0.6674	0.0000	OK
480 minute summer	S31	280	-0.158	0.178	2.7	0.5900	0.0000	OK
480 minute summer	S32	280	-0.158	0.221	4.4	0.6826	0.0000	OK
480 minute summer	S33	280	-0.158	0.265	41.5	0.6740	0.0000	OK
480 minute summer	S34	280	-0.174	0.265	42.4	0.4675	0.0000	OK
480 minute summer	S35	280	-0.199	0.267	42.5	0.4717	0.0000	OK
480 minute summer	S36	280	-0.209	0.233	1.1	0.4124	0.0000	OK
480 minute summer	S37	280	-0.209	0.262	46.3	1.2898	0.0000	OK
480 minute summer	S38	280	-0.257	0.259	46.1	0.4571	0.0000	OK
480 minute summer	S39	280	-0.309	0.253	46.0	0.4465	0.0000	OK
480 minute summer	S56	280	-0.321	0.238	0.2	0.4200	0.0000	OK
480 minute summer	S57	280	-0.321	0.244	46.0	0.6202	0.0000	OK
480 minute summer	S125	280	-0.349	0.206	0.4	0.3642	0.0000	OK
480 minute summer	S127	280	-0.349	0.230	46.0	0.5856	0.0000	OK
480 minute summer	S119	288	-0.387	0.182	0.5	0.3224	0.0000	OK
480 minute summer	S60	288	-0.387	0.206	46.0	0.5254	0.0000	OK
480 minute summer	Pond Inlet 1	288	-0.464	0.146	45.9	0.2582	0.0000	OK
480 minute summer	Pond Outlet	1888	-0.500	0.110	23.3	0.1245	0.0000	OK
480 minute summer	S13	1328	-0.500	0.138	0.1	0.4785	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	0.522	0.022	0.8	0.4390	0.0000	OK
480 minute summer	PP-S25	256	0.517	0.017	0.7	0.2657	0.0000	OK
480 minute summer	PP-S16	256	0.521	0.021	1.2	0.4144	0.0000	OK
480 minute summer	PP-S145	256	0.520	0.020	1.4	0.4137	0.0000	OK
480 minute summer	PP-S4	256	0.521	0.021	1.1	0.4362	0.0000	OK
480 minute summer	PP-S1	272	0.527	0.027	2.8	5.9521	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	5.8	0.126	0.083	3.4835	
480 minute summer	S79	9.003	S30	7.5	0.132	0.104	4.3877	
480 minute summer	S30	1.007	S33	37.9	0.394	0.533	3.0560	
480 minute summer	S31	10.000	S32	2.0	0.097	0.028	5.8605	
480 minute summer	S32	10.001	S33	3.0	0.106	0.042	7.5286	
480 minute summer	S33	1.008	S34	41.3	0.427	0.586	3.1273	
480 minute summer	S34	1.009	S35	42.3	0.435	0.596	5.2331	
480 minute summer	S35	1.010	S37	42.5	0.438	0.639	1.0981	
480 minute summer	S36	11.000	S37	0.8	-0.043	0.011	5.1481	
480 minute summer	S37	1.011	S38	46.1	0.487	0.653	8.6005	
480 minute summer	S38	1.012	S39	46.0	0.497	0.644	8.4065	
480 minute summer	S39	1.013	S57	46.0	0.515	0.726	0.6682	
480 minute summer	S56	12.011	S57	-0.2	-0.046	-0.004	1.1241	
480 minute summer	S57	1.014	S127	46.0	0.545	0.651	2.3741	
480 minute summer	S125	21.003	S127	-0.4	-0.092	-0.006	3.7552	
480 minute summer	S127	1.015	S60	46.0	0.603	0.645	2.1095	
480 minute summer	S119	22.003	S60	-0.5	-0.079	-0.007	3.2346	
480 minute summer	S60	1.016	Pond Inlet 1	45.9	0.801	0.606	1.7227	
480 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	23.3	0.013	0.000	553.0120	
480 minute summer	Pond Outlet	1.018	S13	0.1	0.138	0.002	0.1869	
480 minute summer	S13	Pump	Final Outfall	0.0				0.0
480 minute summer	PP-S26	1.000_1	S26	0.7	0.379	0.019	0.0190	
480 minute summer	PP-S25	2.000_1	S25	0.6	0.478	0.011	0.0067	
480 minute summer	PP-S16	3.000_1	S16	1.1	0.636	0.017	0.0089	
480 minute summer	PP-S145	4.000_2	S145	1.3	0.781	0.016	0.0086	
480 minute summer	PP-S4	1.000_2	S4	1.0	0.549	0.018	0.0094	
480 minute summer	PP-S1	4.000_1	S1	1.9	0.728	0.028	0.0130	

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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	0.523	0.023	1.6	0.5560	0.0000	OK
480 minute summer	PP-S12	256	0.513	0.013	0.6	0.2525	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	0.515	0.015	0.9	0.5251	0.0000	OK
480 minute summer	PP-S15	248	0.514	0.014	0.7	0.1878	0.0000	OK
480 minute summer	PP-S75	248	0.513	0.013	0.7	0.2050	0.0000	OK
480 minute summer	PP-S24	256	0.520	0.020	1.6	0.4843	0.0000	OK
480 minute summer	PP-S30	256	0.512	0.012	0.6	0.1827	0.0000	OK
480 minute summer	PP-S33	256	0.513	0.013	0.7	0.1701	0.0000	OK
480 minute summer	PP-S34	256	0.517	0.017	1.4	0.4127	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	1.1	0.2572	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	1.5	0.741	0.021	0.0103	
480 minute summer	PP-S12	8.000_1	S12	0.6	0.641	0.007	0.0046	
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	0.8	0.708	0.009	0.0057	
480 minute summer	PP-S15	12.000_1	S15	0.7	0.676	0.007	0.0048	
480 minute summer	PP-S75	13.000_1	S75	0.6	0.694	0.006	0.0046	
480 minute summer	PP-S24	14.000_1	S92	1.5	0.932	0.015	0.0082	
480 minute summer	PP-S30	18.000_1	S30	0.6	0.740	0.005	0.0040	
480 minute summer	PP-S33	20.000_1	S33	0.7	0.789	0.006	0.0044	
480 minute summer	PP-S34	21.000_1	S34	1.3	0.984	0.011	0.0068	
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	1.1	0.920	0.009	0.0057	

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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	-0.132	0.106	0.6	0.1878	0.0000	OK
480 minute winter	S25	288	-0.132	0.112	0.5	0.2857	0.0000	OK
480 minute winter	S16	288	-0.132	0.135	4.0	0.5996	0.0000	OK
480 minute winter	S145	288	-0.133	0.182	7.6	0.7826	0.0000	OK
480 minute winter	S4	288	-0.134	0.109	0.8	0.1932	0.0000	OK
480 minute winter	S5	288	-0.134	0.150	1.8	0.2655	0.0000	OK
480 minute winter	S9	288	-0.134	0.162	0.7	0.3732	0.0000	OK
480 minute winter	S10	288	-0.134	0.187	0.6	0.3304	0.0000	OK
480 minute winter	S11	288	-0.134	0.192	2.5	0.3392	0.0000	OK
480 minute winter	S12	288	-0.134	0.201	3.0	0.3550	0.0000	OK
480 minute winter	S1	288	-0.133	0.131	2.4	0.3092	0.0000	OK
480 minute winter	S3	288	-0.133	0.174	3.9	0.5552	0.0000	OK
480 minute winter	S2	288	-0.134	0.202	4.3	0.3570	0.0000	OK
480 minute winter	S14	288	-0.134	0.175	0.4	0.3089	0.0000	OK
480 minute winter	S15	288	-0.134	0.212	9.6	0.9532	0.0000	OK
480 minute winter	S75	288	-0.136	0.226	17.0	0.5762	0.0000	OK
480 minute winter	S87	288	-0.138	0.148	1.9	0.4806	0.0000	OK
480 minute winter	S88	288	-0.138	0.170	3.6	0.5545	0.0000	OK
480 minute winter	S89	288	-0.138	0.192	5.1	0.6215	0.0000	OK
480 minute winter	S90	288	-0.139	0.213	6.7	0.6793	0.0000	OK
480 minute winter	S92	288	-0.139	0.240	23.7	0.6098	0.0000	OK
480 minute winter	S81	288	-0.144	0.158	1.9	0.5104	0.0000	OK
480 minute winter	S82	288	-0.144	0.180	3.6	0.5844	0.0000	OK
480 minute winter	S83	288	-0.144	0.201	5.1	0.6479	0.0000	OK
480 minute winter	S84	288	-0.145	0.222	6.6	0.7052	0.0000	OK
480 minute winter	S86	288	-0.145	0.248	29.6	0.6305	0.0000	OK
480 minute winter	S76	288	-0.153	0.164	1.9	0.5284	0.0000	OK
480 minute winter	S77	288	-0.153	0.186	3.6	0.6022	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	0.008	1.9909	
480 minute winter	S25	2.000	S16	0.4	0.038	0.006	1.6413	
480 minute winter	S16	1.001	S145	3.6	0.135	0.051	4.7334	
480 minute winter	S145	1.002	S75	7.3	0.147	0.103	6.6196	
480 minute winter	S4	3.000	S5	0.7	0.080	0.010	3.1438	
480 minute winter	S5	3.001	S11	1.8	0.104	0.025	4.5824	
480 minute winter	S9	4.000	S10	0.6	0.089	0.008	2.8904	
480 minute winter	S10	4.001	S11	0.7	0.102	0.009	0.5510	
480 minute winter	S11	3.002	S12	2.8	0.064	0.040	1.2053	
480 minute winter	S12	3.003	S15	3.2	0.059	0.046	1.6476	
480 minute winter	S1	5.000	S3	2.4	0.107	0.033	4.0427	
480 minute winter	S3	5.001	S2	3.8	0.125	0.053	3.6324	
480 minute winter	S2	5.002	S15	4.3	0.094	0.064	1.5336	
480 minute winter	S14	6.000	S15	-0.4	-0.026	-0.005	4.8768	
480 minute winter	S15	3.004	S75	9.7	0.142	0.136	2.4003	
480 minute winter	S75	1.003	S92	17.1	0.214	0.241	2.7904	
480 minute winter	S87	7.000	S88	1.7	0.101	0.024	2.1746	
480 minute winter	S88	7.001	S89	3.2	0.122	0.045	2.5858	
480 minute winter	S89	7.002	S90	4.8	0.144	0.068	3.0014	
480 minute winter	S90	7.003	S92	6.3	0.152	0.089	4.3564	
480 minute winter	S92	1.005	S86	23.8	0.274	0.334	2.4378	
480 minute winter	S81	8.000	S82	1.7	0.090	0.024	2.3604	
480 minute winter	S82	8.001	S83	3.2	0.121	0.046	2.7666	
480 minute winter	S83	8.002	S84	4.8	0.140	0.068	3.1758	
480 minute winter	S84	8.003	S86	6.3	0.156	0.088	4.3315	
480 minute winter	S86	1.006	S30	29.6	0.327	0.417	2.5260	
480 minute winter	S76	9.000	S77	1.7	0.089	0.024	2.4796	
480 minute winter	S77	9.001	S78	3.2	0.121	0.045	2.8979	

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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	-0.153	0.208	5.1	0.6687	0.0000	OK
480 minute winter	S79	288	-0.153	0.229	6.6	0.7224	0.0000	OK
480 minute winter	S30	288	-0.154	0.253	35.9	0.6443	0.0000	OK
480 minute winter	S31	288	-0.167	0.169	2.0	0.5599	0.0000	OK
480 minute winter	S32	288	-0.167	0.212	3.4	0.6545	0.0000	OK
480 minute winter	S33	288	-0.167	0.256	39.2	0.6509	0.0000	OK
480 minute winter	S34	288	-0.183	0.256	40.1	0.4516	0.0000	OK
480 minute winter	S35	288	-0.208	0.258	40.2	0.4562	0.0000	OK
480 minute winter	S36	288	-0.217	0.225	0.8	0.3971	0.0000	OK
480 minute winter	S37	288	-0.217	0.254	43.5	1.2473	0.0000	OK
480 minute winter	S38	288	-0.266	0.250	43.5	0.4424	0.0000	OK
480 minute winter	S39	288	-0.317	0.245	43.5	0.4334	0.0000	OK
480 minute winter	S56	288	-0.328	0.231	0.2	0.4075	0.0000	OK
480 minute winter	S57	288	-0.328	0.237	43.5	0.6022	0.0000	OK
480 minute winter	S125	296	-0.355	0.200	0.4	0.3534	0.0000	OK
480 minute winter	S127	296	-0.355	0.224	43.5	0.5700	0.0000	OK
480 minute winter	S119	296	-0.391	0.178	0.6	0.3144	0.0000	OK
480 minute winter	S60	296	-0.391	0.202	43.4	0.5139	0.0000	OK
480 minute winter	Pond Inlet 1	304	-0.466	0.144	43.4	0.2551	0.0000	OK
480 minute winter	Pond Outlet	1912	-0.488	0.122	21.8	0.1383	0.0000	OK
480 minute winter	S13	1872	-0.488	0.150	0.1	0.5208	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	264	0.520	0.020	0.6	0.3694	0.0000	OK
480 minute winter	PP-S25	272	0.515	0.015	0.5	0.2141	0.0000	OK
480 minute winter	PP-S16	264	0.519	0.019	0.9	0.3346	0.0000	OK
480 minute winter	PP-S145	248	0.518	0.018	1.1	0.3320	0.0000	OK
480 minute winter	PP-S4	272	0.519	0.019	0.8	0.3446	0.0000	OK
480 minute winter	PP-S1	280	0.526	0.026	2.1	5.6284	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	4.8	0.140	0.069	3.3088	
480 minute winter	S79	9.003	S30	6.3	0.155	0.087	4.1918	
480 minute winter	S30	1.007	S33	35.9	0.388	0.504	2.9285	
480 minute winter	S31	10.000	S32	1.7	0.094	0.024	5.5131	
480 minute winter	S32	10.001	S33	3.0	0.112	0.042	7.1792	
480 minute winter	S33	1.008	S34	39.2	0.422	0.556	2.9982	
480 minute winter	S34	1.009	S35	40.1	0.429	0.564	5.0210	
480 minute winter	S35	1.010	S37	40.2	0.432	0.605	1.0542	
480 minute winter	S36	11.000	S37	0.7	-0.039	0.009	4.9259	
480 minute winter	S37	1.011	S38	43.5	0.478	0.616	8.2601	
480 minute winter	S38	1.012	S39	43.5	0.487	0.609	8.0896	
480 minute winter	S39	1.013	S57	43.5	0.504	0.686	0.6440	
480 minute winter	S56	12.011	S57	-0.2	-0.104	-0.003	1.0828	
480 minute winter	S57	1.014	S127	43.5	0.533	0.614	2.2911	
480 minute winter	S125	21.003	S127	-0.4	-0.067	-0.006	3.6203	
480 minute winter	S127	1.015	S60	43.4	0.589	0.609	2.0443	
480 minute winter	S119	22.003	S60	-0.6	-0.106	-0.008	3.1355	
480 minute winter	S60	1.016	Pond Inlet 1	43.4	0.780	0.573	1.6790	
480 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	21.8	0.015	0.000	617.2217	
480 minute winter	Pond Outlet	1.018	S13	0.1	0.137	0.002	0.2113	
480 minute winter	S13	Pump	Final Outfall	0.0				0.0
480 minute winter	PP-S26	1.000_1	S26	0.6	0.358	0.016	0.0167	
480 minute winter	PP-S25	2.000_1	S25	0.5	0.443	0.009	0.0056	
480 minute winter	PP-S16	3.000_1	S16	0.9	0.593	0.013	0.0076	
480 minute winter	PP-S145	4.000_2	S145	1.1	0.725	0.012	0.0072	
480 minute winter	PP-S4	1.000_2	S4	0.8	0.509	0.014	0.0079	
480 minute winter	PP-S1	4.000_1	S1	1.8	0.713	0.026	0.0123	

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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	264	0.520	0.020	1.2	0.4444	0.0000	OK
480 minute winter	PP-S12	288	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	0.514	0.014	0.7	0.4167	0.0000	OK
480 minute winter	PP-S15	272	0.512	0.012	0.5	0.1473	0.0000	OK
480 minute winter	PP-S75	264	0.512	0.012	0.5	0.1636	0.0000	OK
480 minute winter	PP-S24	264	0.517	0.017	1.2	0.3865	0.0000	OK
480 minute winter	PP-S30	256	0.511	0.011	0.5	0.1552	0.0000	OK
480 minute winter	PP-S33	272	0.511	0.011	0.5	0.1260	0.0000	OK
480 minute winter	PP-S34	248	0.515	0.015	1.1	0.3347	0.0000	OK
480 minute winter	PP-S35	264	0.507	0.007	0.2	0.0626	0.0000	OK
480 minute winter	PP-S36	264	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)
480 minute winter	PP-S5	2.000_2	S5	1.2	0.690	0.016	0.0087	
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	0.656	0.007	0.0048	
480 minute winter	PP-S15	12.000_1	S15	0.5	0.625	0.005	0.0040	
480 minute winter	PP-S75	13.000_1	S75	0.5	0.646	0.005	0.0039	
480 minute winter	PP-S24	14.000_1	S92	1.2	0.863	0.012	0.0070	
480 minute winter	PP-S30	18.000_1	S30	0.5	0.702	0.004	0.0036	
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	1.1	0.915	0.009	0.0057	
480 minute winter	PP-S35	22.000_2	S35	0.2	0.584	0.002	0.0017	
480 minute winter	PP-S36	23.000_2	S36	0.8	0.845	0.007	0.0047	

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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	-0.136	0.102	0.6	0.1810	0.0000	OK
600 minute summer	S25	345	-0.136	0.108	0.6	0.2759	0.0000	OK
600 minute summer	S16	345	-0.136	0.131	4.3	0.5824	0.0000	OK
600 minute summer	S145	345	-0.137	0.178	8.1	0.7656	0.0000	OK
600 minute summer	S4	345	-0.137	0.106	0.9	0.1869	0.0000	OK
600 minute summer	S5	345	-0.137	0.147	1.8	0.2591	0.0000	OK
600 minute summer	S9	345	-0.138	0.158	0.7	0.3649	0.0000	OK
600 minute summer	S10	345	-0.138	0.183	0.5	0.3240	0.0000	OK
600 minute summer	S11	345	-0.138	0.188	2.5	0.3328	0.0000	OK
600 minute summer	S12	345	-0.138	0.197	3.0	0.3485	0.0000	OK
600 minute summer	S1	345	-0.136	0.128	2.4	0.3005	0.0000	OK
600 minute summer	S3	345	-0.137	0.170	3.9	0.5434	0.0000	OK
600 minute summer	S2	345	-0.138	0.198	4.2	0.3505	0.0000	OK
600 minute summer	S14	345	-0.138	0.171	0.5	0.3023	0.0000	OK
600 minute summer	S15	345	-0.138	0.208	9.4	0.9365	0.0000	OK
600 minute summer	S75	345	-0.139	0.223	16.5	0.5665	0.0000	OK
600 minute summer	S87	345	-0.142	0.144	2.1	0.4672	0.0000	OK
600 minute summer	S88	345	-0.142	0.166	3.9	0.5411	0.0000	OK
600 minute summer	S89	345	-0.142	0.188	5.5	0.6082	0.0000	OK
600 minute summer	S90	345	-0.143	0.209	7.1	0.6664	0.0000	OK
600 minute summer	S92	345	-0.143	0.236	23.1	0.5997	0.0000	OK
600 minute summer	S81	345	-0.148	0.154	2.1	0.4968	0.0000	OK
600 minute summer	S82	345	-0.148	0.176	3.9	0.5708	0.0000	OK
600 minute summer	S83	345	-0.148	0.197	5.5	0.6345	0.0000	OK
600 minute summer	S84	345	-0.149	0.218	7.1	0.6922	0.0000	OK
600 minute summer	S86	345	-0.149	0.244	28.8	0.6202	0.0000	OK
600 minute summer	S76	345	-0.157	0.160	2.1	0.5149	0.0000	OK
600 minute summer	S77	345	-0.157	0.182	3.9	0.5887	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	0.044	0.007	1.9021	
600 minute summer	S25	2.000	S16	0.5	0.042	0.007	1.5696	
600 minute summer	S16	1.001	S145	3.5	0.137	0.049	4.5759	
600 minute summer	S145	1.002	S75	7.1	0.142	0.100	6.4559	
600 minute summer	S4	3.000	S5	0.7	0.080	0.010	3.0253	
600 minute summer	S5	3.001	S11	1.8	0.088	0.026	4.4529	
600 minute summer	S9	4.000	S10	0.5	0.086	0.008	2.8101	
600 minute summer	S10	4.001	S11	0.7	0.098	0.009	0.5370	
600 minute summer	S11	3.002	S12	2.8	0.070	0.039	1.1759	
600 minute summer	S12	3.003	S15	3.1	0.059	0.046	1.6093	
600 minute summer	S1	5.000	S3	2.3	0.106	0.032	3.9101	
600 minute summer	S3	5.001	S2	3.7	0.105	0.052	3.5381	
600 minute summer	S2	5.002	S15	4.3	0.091	0.063	1.4979	
600 minute summer	S14	6.000	S15	-0.5	0.015	-0.007	4.7541	
600 minute summer	S15	3.004	S75	9.6	0.141	0.134	2.3473	
600 minute summer	S75	1.003	S92	16.7	0.211	0.234	2.7314	
600 minute summer	S87	7.000	S88	1.8	0.098	0.026	2.0982	
600 minute summer	S88	7.001	S89	3.4	0.111	0.048	2.5076	
600 minute summer	S89	7.002	S90	5.0	0.127	0.071	2.9227	
600 minute summer	S90	7.003	S92	6.6	0.121	0.093	4.2586	
600 minute summer	S92	1.005	S86	23.3	0.271	0.327	2.3879	
600 minute summer	S81	8.000	S82	1.8	0.087	0.026	2.2818	
600 minute summer	S82	8.001	S83	3.4	0.108	0.049	2.6867	
600 minute summer	S83	8.002	S84	5.0	0.126	0.070	3.0957	
600 minute summer	S84	8.003	S86	6.6	0.123	0.092	4.2371	
600 minute summer	S86	1.006	S30	28.9	0.326	0.407	2.4757	
600 minute summer	S76	9.000	S77	1.8	0.085	0.026	2.4002	
600 minute summer	S77	9.001	S78	3.4	0.108	0.048	2.8175	

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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	-0.157	0.204	5.5	0.6553	0.0000	OK
600 minute summer	S79	345	-0.157	0.225	7.1	0.7094	0.0000	OK
600 minute summer	S30	345	-0.158	0.249	35.1	0.6340	0.0000	OK
600 minute summer	S31	345	-0.171	0.165	2.2	0.5471	0.0000	OK
600 minute summer	S32	345	-0.171	0.208	3.6	0.6426	0.0000	OK
600 minute summer	S33	345	-0.171	0.252	38.3	0.6410	0.0000	OK
600 minute summer	S34	345	-0.187	0.252	39.1	0.4447	0.0000	OK
600 minute summer	S35	345	-0.212	0.254	39.3	0.4493	0.0000	OK
600 minute summer	S36	345	-0.221	0.221	0.9	0.3902	0.0000	OK
600 minute summer	S37	345	-0.221	0.250	42.5	1.2281	0.0000	OK
600 minute summer	S38	345	-0.269	0.247	42.4	0.4363	0.0000	OK
600 minute summer	S39	345	-0.320	0.242	42.5	0.4279	0.0000	OK
600 minute summer	S56	345	-0.331	0.228	0.2	0.4023	0.0000	OK
600 minute summer	S57	345	-0.331	0.234	42.5	0.5947	0.0000	OK
600 minute summer	S125	345	-0.358	0.197	0.5	0.3481	0.0000	OK
600 minute summer	S127	345	-0.358	0.221	42.5	0.5625	0.0000	OK
600 minute summer	S119	345	-0.394	0.175	0.3	0.3087	0.0000	OK
600 minute summer	S60	345	-0.394	0.199	42.4	0.5056	0.0000	OK
600 minute summer	Pond Inlet 1	360	-0.470	0.140	42.4	0.2476	0.0000	OK
600 minute summer	Pond Outlet	1950	-0.494	0.116	21.4	0.1316	0.0000	OK
600 minute summer	S13	1950	-0.494	0.144	0.1	0.5003	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	0.516	0.016	0.6	0.2497	0.0000	OK
600 minute summer	PP-S16	315	0.519	0.019	1.0	0.3670	0.0000	OK
600 minute summer	PP-S145	315	0.519	0.019	1.2	0.3735	0.0000	OK
600 minute summer	PP-S4	315	0.520	0.020	0.9	0.3810	0.0000	OK
600 minute summer	PP-S1	330	0.526	0.026	2.3	5.5424	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	5.0	0.125	0.072	3.2285	
600 minute summer	S79	9.003	S30	6.6	0.126	0.091	4.1032	
600 minute summer	S30	1.007	S33	34.9	0.388	0.490	2.8723	
600 minute summer	S31	10.000	S32	1.7	0.083	0.024	5.3663	
600 minute summer	S32	10.001	S33	2.9	0.094	0.040	7.0292	
600 minute summer	S33	1.008	S34	38.3	0.420	0.543	2.9421	
600 minute summer	S34	1.009	S35	39.2	0.427	0.551	4.9277	
600 minute summer	S35	1.010	S37	39.3	0.430	0.592	1.0345	
600 minute summer	S36	11.000	S37	0.7	0.036	0.009	4.8256	
600 minute summer	S37	1.011	S38	42.4	0.476	0.600	8.1113	
600 minute summer	S38	1.012	S39	42.5	0.484	0.594	7.9567	
600 minute summer	S39	1.013	S57	42.5	0.500	0.670	0.6339	
600 minute summer	S56	12.011	S57	-0.2	-0.104	-0.002	1.0656	
600 minute summer	S57	1.014	S127	42.5	0.529	0.601	2.2538	
600 minute summer	S125	21.003	S127	-0.5	-0.076	-0.007	3.5548	
600 minute summer	S127	1.015	S60	42.4	0.586	0.596	2.0058	
600 minute summer	S119	22.003	S60	-0.3	-0.073	-0.004	3.0651	
600 minute summer	S60	1.016	Pond Inlet 1	42.4	0.779	0.560	1.6307	
600 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	21.4	0.012	0.000	586.1796	
600 minute summer	Pond Outlet	1.018	S13	0.1	0.119	0.002	0.1995	
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	0.6	0.467	0.010	0.0064	
600 minute summer	PP-S16	3.000_1	S16	1.0	0.612	0.015	0.0081	
600 minute summer	PP-S145	4.000_2	S145	1.2	0.755	0.014	0.0079	
600 minute summer	PP-S4	1.000_2	S4	0.9	0.527	0.016	0.0085	
600 minute summer	PP-S1	4.000_1	S1	1.7	0.709	0.026	0.0121	

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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	0.521	0.021	1.3	0.4760	0.0000	OK
600 minute summer	PP-S12	315	0.512	0.012	0.5	0.2136	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	0.514	0.014	0.7	0.4468	0.0000	OK
600 minute summer	PP-S15	315	0.513	0.013	0.6	0.1737	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	0.518	0.018	1.3	0.4145	0.0000	OK
600 minute summer	PP-S30	315	0.511	0.011	0.5	0.1552	0.0000	OK
600 minute summer	PP-S33	315	0.512	0.012	0.6	0.1479	0.0000	OK
600 minute summer	PP-S34	315	0.516	0.016	1.2	0.3741	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	0.514	0.014	0.9	0.2225	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	1.3	0.705	0.017	0.0092	
600 minute summer	PP-S12	8.000_1	S12	0.5	0.608	0.005	0.0041	
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	0.7	0.671	0.007	0.0051	
600 minute summer	PP-S15	12.000_1	S15	0.6	0.659	0.006	0.0045	
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	1.3	0.884	0.013	0.0073	
600 minute summer	PP-S30	18.000_1	S30	0.5	0.702	0.004	0.0036	
600 minute summer	PP-S33	20.000_1	S33	0.6	0.754	0.005	0.0040	
600 minute summer	PP-S34	21.000_1	S34	1.2	0.951	0.010	0.0063	
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	0.9	0.876	0.008	0.0051	

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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	-0.149	0.089	0.5	0.1572	0.0000	OK
600 minute winter	S25	345	-0.149	0.095	0.4	0.2416	0.0000	OK
600 minute winter	S16	345	-0.149	0.118	3.5	0.5227	0.0000	OK
600 minute winter	S145	345	-0.151	0.164	6.6	0.7069	0.0000	OK
600 minute winter	S4	345	-0.151	0.092	0.7	0.1617	0.0000	OK
600 minute winter	S5	345	-0.152	0.132	1.6	0.2340	0.0000	OK
600 minute winter	S9	345	-0.152	0.144	0.6	0.3322	0.0000	OK
600 minute winter	S10	345	-0.152	0.169	0.5	0.2989	0.0000	OK
600 minute winter	S11	345	-0.152	0.174	2.1	0.3077	0.0000	OK
600 minute winter	S12	345	-0.152	0.183	2.6	0.3235	0.0000	OK
600 minute winter	S1	345	-0.150	0.114	2.1	0.2675	0.0000	OK
600 minute winter	S3	345	-0.151	0.156	3.5	0.4983	0.0000	OK
600 minute winter	S2	345	-0.152	0.184	3.8	0.3255	0.0000	OK
600 minute winter	S14	345	-0.152	0.157	0.3	0.2774	0.0000	OK
600 minute winter	S15	345	-0.152	0.194	8.3	0.8731	0.0000	OK
600 minute winter	S75	345	-0.153	0.209	14.8	0.5311	0.0000	OK
600 minute winter	S87	345	-0.155	0.131	1.6	0.4245	0.0000	OK
600 minute winter	S88	345	-0.155	0.153	3.1	0.4979	0.0000	OK
600 minute winter	S89	345	-0.156	0.174	4.4	0.5650	0.0000	OK
600 minute winter	S90	345	-0.156	0.196	5.8	0.6235	0.0000	OK
600 minute winter	S92	345	-0.157	0.222	21.1	0.5649	0.0000	OK
600 minute winter	S81	345	-0.161	0.141	1.6	0.4545	0.0000	OK
600 minute winter	S82	345	-0.161	0.163	3.1	0.5281	0.0000	OK
600 minute winter	S83	345	-0.162	0.183	4.4	0.5918	0.0000	OK
600 minute winter	S84	345	-0.162	0.205	5.8	0.6498	0.0000	OK
600 minute winter	S86	345	-0.163	0.230	26.5	0.5859	0.0000	OK
600 minute winter	S76	345	-0.170	0.147	1.6	0.4729	0.0000	OK
600 minute winter	S77	345	-0.170	0.169	3.1	0.5463	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	1.6012	
600 minute winter	S25	2.000	S16	0.4	0.039	0.006	1.3277	
600 minute winter	S16	1.001	S145	3.2	0.135	0.044	4.0387	
600 minute winter	S145	1.002	S75	6.3	0.140	0.089	5.8795	
600 minute winter	S4	3.000	S5	0.6	0.077	0.009	2.5619	
600 minute winter	S5	3.001	S11	1.5	0.110	0.022	3.9500	
600 minute winter	S9	4.000	S10	0.5	0.089	0.007	2.4987	
600 minute winter	S10	4.001	S11	0.6	0.092	0.008	0.4829	
600 minute winter	S11	3.002	S12	2.3	0.065	0.033	1.0624	
600 minute winter	S12	3.003	S15	2.7	0.056	0.039	1.4634	
600 minute winter	S1	5.000	S3	2.1	0.106	0.029	3.4134	
600 minute winter	S3	5.001	S2	3.3	0.113	0.047	3.1803	
600 minute winter	S2	5.002	S15	3.8	0.093	0.056	1.3627	
600 minute winter	S14	6.000	S15	-0.3	-0.022	-0.004	4.2906	
600 minute winter	S15	3.004	S75	8.4	0.138	0.118	2.1511	
600 minute winter	S75	1.003	S92	14.9	0.206	0.209	2.5230	
600 minute winter	S87	7.000	S88	1.5	0.096	0.021	1.8568	
600 minute winter	S88	7.001	S89	2.8	0.122	0.040	2.2570	
600 minute winter	S89	7.002	S90	4.2	0.136	0.059	2.6649	
600 minute winter	S90	7.003	S92	5.5	0.142	0.079	3.9274	
600 minute winter	S92	1.005	S86	21.0	0.264	0.296	2.2186	
600 minute winter	S81	8.000	S82	1.5	0.088	0.021	2.0379	
600 minute winter	S82	8.001	S83	2.8	0.118	0.041	2.4354	
600 minute winter	S83	8.002	S84	4.2	0.130	0.059	2.8387	
600 minute winter	S84	8.003	S86	5.5	0.134	0.078	3.9263	
600 minute winter	S86	1.006	S30	26.4	0.319	0.372	2.3081	
600 minute winter	S76	9.000	S77	1.5	0.088	0.021	2.1549	
600 minute winter	S77	9.001	S78	2.8	0.117	0.040	2.5657	

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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	-0.170	0.191	4.4	0.6130	0.0000	OK
600 minute winter	S79	345	-0.171	0.211	5.8	0.6675	0.0000	OK
600 minute winter	S30	345	-0.171	0.236	32.2	0.5999	0.0000	OK
600 minute winter	S31	345	-0.184	0.152	1.7	0.5029	0.0000	OK
600 minute winter	S32	345	-0.184	0.195	3.0	0.6012	0.0000	OK
600 minute winter	S33	345	-0.185	0.238	35.2	0.6068	0.0000	OK
600 minute winter	S34	345	-0.201	0.238	35.9	0.4211	0.0000	OK
600 minute winter	S35	360	-0.225	0.241	36.0	0.4260	0.0000	OK
600 minute winter	S36	360	-0.234	0.208	0.7	0.3674	0.0000	OK
600 minute winter	S37	360	-0.234	0.237	38.9	1.1646	0.0000	OK
600 minute winter	S38	360	-0.281	0.235	38.9	0.4147	0.0000	OK
600 minute winter	S39	360	-0.331	0.231	38.8	0.4087	0.0000	OK
600 minute winter	S56	360	-0.342	0.217	0.1	0.3841	0.0000	OK
600 minute winter	S57	360	-0.342	0.223	38.8	0.5685	0.0000	OK
600 minute winter	S125	360	-0.367	0.188	0.4	0.3320	0.0000	OK
600 minute winter	S127	360	-0.367	0.212	38.8	0.5392	0.0000	OK
600 minute winter	S119	360	-0.401	0.168	0.2	0.2962	0.0000	OK
600 minute winter	S60	360	-0.401	0.192	38.8	0.4876	0.0000	OK
600 minute winter	Pond Inlet 1	375	-0.472	0.138	38.8	0.2430	0.0000	OK
600 minute winter	Pond Outlet	1830	-0.480	0.130	19.5	0.1470	0.0000	OK
600 minute winter	S13	1500	-0.480	0.158	0.1	0.5474	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	330	0.518	0.018	0.5	0.3149	0.0000	OK
600 minute winter	PP-S25	345	0.514	0.014	0.4	0.1738	0.0000	OK
600 minute winter	PP-S16	315	0.517	0.017	0.8	0.2999	0.0000	OK
600 minute winter	PP-S145	315	0.517	0.017	0.9	0.2889	0.0000	OK
600 minute winter	PP-S4	330	0.518	0.018	0.7	0.3050	0.0000	OK
600 minute winter	PP-S1	345	0.524	0.024	1.8	5.0850	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	4.2	0.123	0.060	2.9719	
600 minute winter	S79	9.003	S30	5.5	0.126	0.077	3.8134	
600 minute winter	S30	1.007	S33	32.1	0.380	0.452	2.6825	
600 minute winter	S31	10.000	S32	1.5	0.092	0.021	4.8611	
600 minute winter	S32	10.001	S33	2.7	0.098	0.037	6.5125	
600 minute winter	S33	1.008	S34	35.1	0.412	0.498	2.7493	
600 minute winter	S34	1.009	S35	35.9	0.418	0.506	4.6095	
600 minute winter	S35	1.010	S37	36.0	0.421	0.541	0.9685	
600 minute winter	S36	11.000	S37	0.6	-0.044	0.008	4.4927	
600 minute winter	S37	1.011	S38	38.9	0.463	0.550	7.6029	
600 minute winter	S38	1.012	S39	38.8	0.470	0.543	7.4889	
600 minute winter	S39	1.013	S57	38.8	0.485	0.613	0.5985	
600 minute winter	S56	12.011	S57	-0.1	-0.020	-0.002	1.0052	
600 minute winter	S57	1.014	S127	38.8	0.513	0.549	2.1314	
600 minute winter	S125	21.003	S127	-0.4	-0.091	-0.005	3.3538	
600 minute winter	S127	1.015	S60	38.8	0.566	0.545	1.9057	
600 minute winter	S119	22.003	S60	-0.2	-0.016	-0.002	2.9117	
600 minute winter	S60	1.016	Pond Inlet 1	38.8	0.751	0.513	1.5670	
600 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	19.5	0.013	0.000	657.7874	
600 minute winter	Pond Outlet	1.018	S13	0.1	0.125	0.002	0.2268	
600 minute winter	S13	Pump	Final Outfall	0.0				0.0
600 minute winter	PP-S26	1.000_1	S26	0.5	0.345	0.013	0.0145	
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	0.8	0.571	0.012	0.0070	
600 minute winter	PP-S145	4.000_2	S145	0.9	0.691	0.011	0.0065	
600 minute winter	PP-S4	1.000_2	S4	0.7	0.488	0.012	0.0072	
600 minute winter	PP-S1	4.000_1	S1	1.5	0.687	0.023	0.0113	

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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	0.519	0.019	1.0	0.3762	0.0000	OK
600 minute winter	PP-S12	330	0.511	0.011	0.4	0.1762	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	345	0.512	0.012	0.5	0.3326	0.0000	OK
600 minute winter	PP-S15	345	0.511	0.011	0.4	0.1210	0.0000	OK
600 minute winter	PP-S75	345	0.511	0.011	0.4	0.1345	0.0000	OK
600 minute winter	PP-S24	330	0.516	0.016	1.0	0.3293	0.0000	OK
600 minute winter	PP-S30	330	0.510	0.010	0.4	0.1284	0.0000	OK
600 minute winter	PP-S33	315	0.511	0.011	0.5	0.1259	0.0000	OK
600 minute winter	PP-S34	315	0.514	0.014	0.9	0.2901	0.0000	OK
600 minute winter	PP-S35	285	0.505	0.005	0.1	0.0345	0.0000	OK
600 minute winter	PP-S36	315	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)
600 minute winter	PP-S5	2.000_2	S5	1.0	0.653	0.013	0.0077	
600 minute winter	PP-S12	8.000_1	S12	0.4	0.571	0.004	0.0035	
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	0.611	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	0.606	0.004	0.0033	
600 minute winter	PP-S24	14.000_1	S92	1.0	0.817	0.010	0.0061	
600 minute winter	PP-S30	18.000_1	S30	0.4	0.660	0.004	0.0030	
600 minute winter	PP-S33	20.000_1	S33	0.5	0.716	0.004	0.0035	
600 minute winter	PP-S34	21.000_1	S34	0.9	0.873	0.008	0.0051	
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	0.7	0.812	0.006	0.0043	

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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	-0.147	0.091	0.6	0.1609	0.0000	OK
720 minute summer	S25	405	-0.147	0.097	0.5	0.2468	0.0000	OK
720 minute summer	S16	405	-0.147	0.120	3.9	0.5319	0.0000	OK
720 minute summer	S145	405	-0.149	0.166	7.3	0.7160	0.0000	OK
720 minute summer	S4	405	-0.149	0.094	0.8	0.1662	0.0000	OK
720 minute summer	S5	405	-0.149	0.135	1.7	0.2383	0.0000	OK
720 minute summer	S9	405	-0.149	0.147	0.7	0.3378	0.0000	OK
720 minute summer	S10	405	-0.149	0.172	0.5	0.3032	0.0000	OK
720 minute summer	S11	405	-0.149	0.177	2.3	0.3120	0.0000	OK
720 minute summer	S12	405	-0.150	0.185	2.7	0.3277	0.0000	OK
720 minute summer	S1	405	-0.148	0.116	2.1	0.2731	0.0000	OK
720 minute summer	S3	405	-0.149	0.158	3.6	0.5059	0.0000	OK
720 minute summer	S2	405	-0.149	0.187	3.8	0.3297	0.0000	OK
720 minute summer	S14	405	-0.150	0.159	0.4	0.2816	0.0000	OK
720 minute summer	S15	405	-0.150	0.196	8.4	0.8837	0.0000	OK
720 minute summer	S75	405	-0.151	0.211	15.0	0.5369	0.0000	OK
720 minute summer	S87	405	-0.153	0.133	1.8	0.4310	0.0000	OK
720 minute summer	S88	405	-0.153	0.155	3.5	0.5045	0.0000	OK
720 minute summer	S89	405	-0.154	0.176	5.0	0.5716	0.0000	OK
720 minute summer	S90	405	-0.154	0.198	6.4	0.6303	0.0000	OK
720 minute summer	S92	405	-0.155	0.224	21.3	0.5705	0.0000	OK
720 minute summer	S81	405	-0.159	0.143	1.8	0.4610	0.0000	OK
720 minute summer	S82	405	-0.159	0.165	3.5	0.5347	0.0000	OK
720 minute summer	S83	405	-0.160	0.185	5.0	0.5984	0.0000	OK
720 minute summer	S84	405	-0.160	0.207	6.4	0.6565	0.0000	OK
720 minute summer	S86	405	-0.161	0.232	26.7	0.5914	0.0000	OK
720 minute summer	S76	405	-0.168	0.149	1.8	0.4794	0.0000	OK
720 minute summer	S77	405	-0.168	0.171	3.5	0.5530	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	0.5	0.048	0.007	1.6472	
720 minute summer	S25	2.000	S16	0.4	0.042	0.005	1.3641	
720 minute summer	S16	1.001	S145	3.2	0.136	0.045	4.1208	
720 minute summer	S145	1.002	S75	6.5	0.143	0.093	5.9710	
720 minute summer	S4	3.000	S5	0.7	0.079	0.009	2.6423	
720 minute summer	S5	3.001	S11	1.7	0.089	0.023	4.0361	
720 minute summer	S9	4.000	S10	0.5	0.086	0.007	2.5518	
720 minute summer	S10	4.001	S11	0.6	0.097	0.008	0.4921	
720 minute summer	S11	3.002	S12	2.5	0.089	0.036	1.0817	
720 minute summer	S12	3.003	S15	2.8	0.059	0.041	1.4880	
720 minute summer	S1	5.000	S3	2.1	0.105	0.029	3.4966	
720 minute summer	S3	5.001	S2	3.3	0.109	0.047	3.2402	
720 minute summer	S2	5.002	S15	3.8	0.113	0.056	1.3854	
720 minute summer	S14	6.000	S15	-0.4	-0.011	-0.006	4.3681	
720 minute summer	S15	3.004	S75	8.7	0.137	0.121	2.1836	
720 minute summer	S75	1.003	S92	15.1	0.207	0.212	2.5568	
720 minute summer	S87	7.000	S88	1.6	0.096	0.022	1.8932	
720 minute summer	S88	7.001	S89	3.1	0.113	0.043	2.2952	
720 minute summer	S89	7.002	S90	4.6	0.127	0.064	2.7048	
720 minute summer	S90	7.003	S92	5.9	0.129	0.084	3.9799	
720 minute summer	S92	1.005	S86	21.4	0.265	0.301	2.2458	
720 minute summer	S81	8.000	S82	1.6	0.089	0.022	2.0751	
720 minute summer	S82	8.001	S83	3.1	0.108	0.044	2.4741	
720 minute summer	S83	8.002	S84	4.6	0.126	0.064	2.8789	
720 minute summer	S84	8.003	S86	5.9	0.123	0.083	3.9758	
720 minute summer	S86	1.006	S30	26.8	0.320	0.377	2.3354	
720 minute summer	S76	9.000	S77	1.6	0.087	0.022	2.1930	
720 minute summer	S77	9.001	S78	3.1	0.108	0.043	2.6053	

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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	-0.168	0.193	5.0	0.6197	0.0000	OK
720 minute summer	S79	405	-0.169	0.213	6.4	0.6742	0.0000	OK
720 minute summer	S30	405	-0.169	0.238	32.5	0.6055	0.0000	OK
720 minute summer	S31	405	-0.182	0.154	2.0	0.5104	0.0000	OK
720 minute summer	S32	405	-0.182	0.197	3.3	0.6083	0.0000	OK
720 minute summer	S33	405	-0.182	0.241	35.6	0.6126	0.0000	OK
720 minute summer	S34	405	-0.198	0.241	36.4	0.4252	0.0000	OK
720 minute summer	S35	405	-0.223	0.243	36.5	0.4301	0.0000	OK
720 minute summer	S36	405	-0.232	0.210	0.8	0.3714	0.0000	OK
720 minute summer	S37	405	-0.232	0.239	39.4	1.1758	0.0000	OK
720 minute summer	S38	405	-0.279	0.237	39.5	0.4181	0.0000	OK
720 minute summer	S39	405	-0.329	0.233	39.5	0.4111	0.0000	OK
720 minute summer	S56	405	-0.340	0.219	0.1	0.3863	0.0000	OK
720 minute summer	S57	405	-0.340	0.225	39.4	0.5716	0.0000	OK
720 minute summer	S125	405	-0.366	0.189	0.4	0.3334	0.0000	OK
720 minute summer	S127	405	-0.366	0.213	39.4	0.5413	0.0000	OK
720 minute summer	S119	405	-0.401	0.168	0.2	0.2960	0.0000	OK
720 minute summer	S60	405	-0.401	0.192	39.4	0.4874	0.0000	OK
720 minute summer	Pond Inlet 1	420	-0.474	0.136	39.3	0.2397	0.0000	OK
720 minute summer	Pond Outlet	2130	-0.488	0.122	19.7	0.1385	0.0000	OK
720 minute summer	S13	1605	-0.488	0.150	0.1	0.5212	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	0.520	0.020	0.6	0.3635	0.0000	OK
720 minute summer	PP-S25	375	0.515	0.015	0.5	0.2125	0.0000	OK
720 minute summer	PP-S16	375	0.518	0.018	0.9	0.3328	0.0000	OK
720 minute summer	PP-S145	375	0.517	0.017	1.0	0.3171	0.0000	OK
720 minute summer	PP-S4	375	0.519	0.019	0.8	0.3427	0.0000	OK
720 minute summer	PP-S1	405	0.524	0.024	2.0	5.0630	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	4.6	0.126	0.065	3.0128	
720 minute summer	S79	9.003	S30	5.9	0.126	0.082	3.8604	
720 minute summer	S30	1.007	S33	32.5	0.382	0.457	2.7142	
720 minute summer	S31	10.000	S32	1.6	0.078	0.023	4.9473	
720 minute summer	S32	10.001	S33	2.7	0.089	0.038	6.6008	
720 minute summer	S33	1.008	S34	35.6	0.413	0.505	2.7826	
720 minute summer	S34	1.009	S35	36.4	0.420	0.513	4.6659	
720 minute summer	S35	1.010	S37	36.6	0.422	0.550	0.9802	
720 minute summer	S36	11.000	S37	0.6	0.039	0.009	4.5516	
720 minute summer	S37	1.011	S38	39.5	0.466	0.559	7.6884	
720 minute summer	S38	1.012	S39	39.5	0.472	0.552	7.5566	
720 minute summer	S39	1.013	S57	39.4	0.488	0.622	0.6029	
720 minute summer	S56	12.011	S57	-0.1	-0.072	-0.001	1.0125	
720 minute summer	S57	1.014	S127	39.4	0.516	0.557	2.1442	
720 minute summer	S125	21.003	S127	-0.4	-0.086	-0.006	3.3714	
720 minute summer	S127	1.015	S60	39.4	0.571	0.552	1.9102	
720 minute summer	S119	22.003	S60	-0.2	-0.025	-0.003	2.9101	
720 minute summer	S60	1.016	Pond Inlet 1	39.3	0.759	0.518	1.5586	
720 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	19.7	0.011	0.000	618.0417	
720 minute summer	Pond Outlet	1.018	S13	0.1	0.115	0.001	0.2116	
720 minute summer	S13	Pump	Final Outfall	0.0				0.0
720 minute summer	PP-S26	1.000_1	S26	0.6	0.357	0.015	0.0164	
720 minute summer	PP-S25	2.000_1	S25	0.5	0.442	0.009	0.0056	
720 minute summer	PP-S16	3.000_1	S16	0.9	0.592	0.013	0.0076	
720 minute summer	PP-S145	4.000_2	S145	1.0	0.713	0.012	0.0070	
720 minute summer	PP-S4	1.000_2	S4	0.8	0.508	0.014	0.0078	
720 minute summer	PP-S1	4.000_1	S1	1.5	0.686	0.023	0.0112	

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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	0.520	0.020	1.2	0.4427	0.0000	OK
720 minute summer	PP-S12	390	0.511	0.011	0.4	0.1762	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	0.3848	0.0000	OK
720 minute summer	PP-S15	375	0.512	0.012	0.5	0.1470	0.0000	OK
720 minute summer	PP-S75	375	0.512	0.012	0.5	0.1632	0.0000	OK
720 minute summer	PP-S24	375	0.517	0.017	1.2	0.3856	0.0000	OK
720 minute summer	PP-S30	375	0.511	0.011	0.5	0.1552	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	0.515	0.015	1.0	0.3202	0.0000	OK
720 minute summer	PP-S35	375	0.507	0.007	0.2	0.0623	0.0000	OK
720 minute summer	PP-S36	375	0.513	0.013	0.8	0.1994	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	1.2	0.690	0.016	0.0087	
720 minute summer	PP-S12	8.000_1	S12	0.4	0.571	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	0.5	0.624	0.005	0.0040	
720 minute summer	PP-S75	13.000_1	S75	0.5	0.645	0.005	0.0039	
720 minute summer	PP-S24	14.000_1	S92	1.2	0.863	0.012	0.0069	
720 minute summer	PP-S30	18.000_1	S30	0.5	0.702	0.004	0.0036	
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	1.0	0.902	0.008	0.0055	
720 minute summer	PP-S35	22.000_2	S35	0.2	0.583	0.002	0.0017	
720 minute summer	PP-S36	23.000_2	S36	0.8	0.845	0.007	0.0047	

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Results for 1 year 720 minute winter. 2160 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
720 minute winter	S26	405	-0.162	0.076	0.4	0.1336	0.0000	OK
720 minute winter	S25	405	-0.162	0.082	0.4	0.2075	0.0000	OK
720 minute winter	S16	405	-0.162	0.105	3.0	0.4634	0.0000	OK
720 minute winter	S145	405	-0.165	0.150	5.9	0.6477	0.0000	OK
720 minute winter	S4	405	-0.165	0.078	0.6	0.1375	0.0000	OK
720 minute winter	S5	420	-0.165	0.119	1.4	0.2096	0.0000	OK
720 minute winter	S9	405	-0.166	0.130	0.5	0.3003	0.0000	OK
720 minute winter	S10	405	-0.166	0.155	0.5	0.2744	0.0000	OK
720 minute winter	S11	405	-0.166	0.160	1.9	0.2832	0.0000	OK
720 minute winter	S12	405	-0.166	0.169	2.3	0.2990	0.0000	OK
720 minute winter	S1	405	-0.164	0.100	1.9	0.2356	0.0000	OK
720 minute winter	S3	405	-0.165	0.142	3.0	0.4543	0.0000	OK
720 minute winter	S2	405	-0.166	0.170	3.4	0.3010	0.0000	OK
720 minute winter	S14	405	-0.166	0.143	0.2	0.2529	0.0000	OK
720 minute winter	S15	405	-0.166	0.180	7.5	0.8106	0.0000	OK
720 minute winter	S75	405	-0.167	0.195	13.4	0.4955	0.0000	OK
720 minute winter	S87	405	-0.169	0.117	1.4	0.3791	0.0000	OK
720 minute winter	S88	405	-0.169	0.139	2.7	0.4523	0.0000	OK
720 minute winter	S89	405	-0.170	0.160	3.9	0.5195	0.0000	OK
720 minute winter	S90	405	-0.170	0.182	5.2	0.5787	0.0000	OK
720 minute winter	S92	405	-0.171	0.208	19.1	0.5291	0.0000	OK
720 minute winter	S81	405	-0.175	0.127	1.4	0.4091	0.0000	OK
720 minute winter	S82	405	-0.175	0.149	2.7	0.4824	0.0000	OK
720 minute winter	S83	405	-0.176	0.169	3.9	0.5463	0.0000	OK
720 minute winter	S84	405	-0.176	0.191	5.2	0.6050	0.0000	OK
720 minute winter	S86	405	-0.177	0.216	23.9	0.5499	0.0000	OK
720 minute winter	S76	405	-0.184	0.133	1.4	0.4277	0.0000	OK
720 minute winter	S77	405	-0.184	0.155	2.7	0.5009	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	0.043	0.006	1.3175	
720 minute winter	S25	2.000	S16	0.4	0.041	0.005	1.0977	
720 minute winter	S16	1.001	S145	2.8	0.133	0.040	3.5153	
720 minute winter	S145	1.002	S75	5.7	0.132	0.081	5.3058	
720 minute winter	S4	3.000	S5	0.6	0.080	0.008	2.1331	
720 minute winter	S5	3.001	S11	1.4	0.098	0.020	3.4715	
720 minute winter	S9	4.000	S10	0.5	0.089	0.007	2.2011	
720 minute winter	S10	4.001	S11	0.5	0.065	0.007	0.4308	
720 minute winter	S11	3.002	S12	2.1	0.068	0.029	0.9528	
720 minute winter	S12	3.003	S15	2.4	0.057	0.034	1.3213	
720 minute winter	S1	5.000	S3	1.8	0.108	0.026	2.9447	
720 minute winter	S3	5.001	S2	3.0	0.112	0.042	2.8355	
720 minute winter	S2	5.002	S15	3.4	0.094	0.050	1.2309	
720 minute winter	S14	6.000	S15	-0.2	0.015	-0.003	3.8401	
720 minute winter	S15	3.004	S75	7.6	0.136	0.106	1.9572	
720 minute winter	S75	1.003	S92	13.5	0.202	0.189	2.3117	
720 minute winter	S87	7.000	S88	1.3	0.096	0.018	1.6073	
720 minute winter	S88	7.001	S89	2.5	0.112	0.036	1.9970	
720 minute winter	S89	7.002	S90	3.8	0.127	0.054	2.3975	
720 minute winter	S90	7.003	S92	5.0	0.113	0.071	3.5851	
720 minute winter	S92	1.005	S86	19.1	0.260	0.268	2.0424	
720 minute winter	S81	8.000	S82	1.3	0.089	0.018	1.7820	
720 minute winter	S82	8.001	S83	2.5	0.110	0.036	2.1707	
720 minute winter	S83	8.002	S84	3.8	0.127	0.054	2.5682	
720 minute winter	S84	8.003	S86	5.0	0.125	0.071	3.5993	
720 minute winter	S86	1.006	S30	23.9	0.313	0.337	2.1315	
720 minute winter	S76	9.000	S77	1.3	0.083	0.018	1.8968	
720 minute winter	S77	9.001	S78	2.5	0.107	0.036	2.2996	

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Results for 1 year 720 minute winter. 2160 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
720 minute winter	S78	405	-0.184	0.177	3.9	0.5677	0.0000	OK
720 minute winter	S79	405	-0.185	0.197	5.2	0.6229	0.0000	OK
720 minute winter	S30	405	-0.185	0.222	29.1	0.5640	0.0000	OK
720 minute winter	S31	405	-0.198	0.138	1.5	0.4566	0.0000	OK
720 minute winter	S32	405	-0.198	0.181	2.6	0.5581	0.0000	OK
720 minute winter	S33	405	-0.199	0.224	31.9	0.5713	0.0000	OK
720 minute winter	S34	405	-0.214	0.225	32.5	0.3968	0.0000	OK
720 minute winter	S35	420	-0.238	0.228	32.6	0.4023	0.0000	OK
720 minute winter	S36	420	-0.247	0.195	0.6	0.3442	0.0000	OK
720 minute winter	S37	420	-0.247	0.224	35.3	1.1002	0.0000	OK
720 minute winter	S38	420	-0.294	0.222	35.2	0.3924	0.0000	OK
720 minute winter	S39	420	-0.342	0.220	35.2	0.3882	0.0000	OK
720 minute winter	S56	420	-0.353	0.206	0.2	0.3645	0.0000	OK
720 minute winter	S57	420	-0.353	0.212	35.2	0.5403	0.0000	OK
720 minute winter	S125	420	-0.377	0.178	0.3	0.3141	0.0000	OK
720 minute winter	S127	420	-0.377	0.202	35.2	0.5134	0.0000	OK
720 minute winter	S119	420	-0.410	0.159	0.4	0.2808	0.0000	OK
720 minute winter	S60	420	-0.410	0.183	35.2	0.4655	0.0000	OK
720 minute winter	Pond Inlet 1	2100	-0.475	0.135	35.2	0.2381	0.0000	OK
720 minute winter	Pond Outlet	1995	-0.475	0.135	17.6	0.1524	0.0000	OK
720 minute winter	S13	1950	-0.475	0.163	0.1	0.5641	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	420	0.516	0.016	0.4	0.2602	0.0000	OK
720 minute winter	PP-S25	390	0.514	0.014	0.4	0.1738	0.0000	OK
720 minute winter	PP-S16	375	0.516	0.016	0.7	0.2665	0.0000	OK
720 minute winter	PP-S145	375	0.516	0.016	0.8	0.2609	0.0000	OK
720 minute winter	PP-S4	405	0.517	0.017	0.6	0.2658	0.0000	OK
720 minute winter	PP-S1	405	0.523	0.023	1.5	4.5912	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	3.8	0.125	0.055	2.7006	
720 minute winter	S79	9.003	S30	5.0	0.128	0.070	3.5071	
720 minute winter	S30	1.007	S33	29.1	0.371	0.408	2.4830	
720 minute winter	S31	10.000	S32	1.3	0.091	0.019	4.3412	
720 minute winter	S32	10.001	S33	2.4	0.097	0.034	5.9756	
720 minute winter	S33	1.008	S34	31.8	0.403	0.451	2.5485	
720 minute winter	S34	1.009	S35	32.5	0.408	0.458	4.2816	
720 minute winter	S35	1.010	S37	32.6	0.410	0.490	0.9013	
720 minute winter	S36	11.000	S37	0.6	0.045	0.008	4.1560	
720 minute winter	S37	1.011	S38	35.2	0.451	0.499	7.0814	
720 minute winter	S38	1.012	S39	35.2	0.456	0.493	6.9976	
720 minute winter	S39	1.013	S57	35.2	0.469	0.556	0.5606	
720 minute winter	S56	12.011	S57	-0.2	-0.048	-0.003	0.9406	
720 minute winter	S57	1.014	S127	35.2	0.496	0.498	1.9981	
720 minute winter	S125	21.003	S127	-0.3	-0.045	-0.005	3.1319	
720 minute winter	S127	1.015	S60	35.2	0.546	0.495	1.7898	
720 minute winter	S119	22.003	S60	-0.4	-0.091	-0.006	2.7245	
720 minute winter	S60	1.016	Pond Inlet 1	35.2	0.728	0.465	1.4761	
720 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	17.6	0.012	0.000	683.4782	
720 minute winter	Pond Outlet	1.018	S13	0.1	0.132	0.001	0.2366	
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	0.4	0.414	0.007	0.0048	
720 minute winter	PP-S16	3.000_1	S16	0.7	0.548	0.010	0.0064	
720 minute winter	PP-S145	4.000_2	S145	0.8	0.667	0.009	0.0060	
720 minute winter	PP-S4	1.000_2	S4	0.6	0.466	0.011	0.0064	
720 minute winter	PP-S1	4.000_1	S1	1.4	0.663	0.021	0.0103	

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Results for 1 year 720 minute winter. 2160 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
720 minute winter	PP-S5	390	0.518	0.018	0.9	0.3421	0.0000	OK
720 minute winter	PP-S12	420	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	390	0.512	0.012	0.5	0.3322	0.0000	OK
720 minute winter	PP-S15	390	0.511	0.011	0.4	0.1210	0.0000	OK
720 minute winter	PP-S75	390	0.511	0.011	0.4	0.1345	0.0000	OK
720 minute winter	PP-S24	390	0.515	0.015	0.9	0.3010	0.0000	OK
720 minute winter	PP-S30	375	0.509	0.009	0.3	0.0999	0.0000	OK
720 minute winter	PP-S33	390	0.510	0.010	0.4	0.1044	0.0000	OK
720 minute winter	PP-S34	375	0.513	0.013	0.8	0.2597	0.0000	OK
720 minute winter	PP-S35	330	0.505	0.005	0.1	0.0345	0.0000	OK
720 minute winter	PP-S36	390	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)
720 minute winter	PP-S5	2.000_2	S5	0.9	0.632	0.012	0.0071	
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	0.5	0.610	0.005	0.0041	
720 minute winter	PP-S15	12.000_1	S15	0.4	0.586	0.004	0.0034	
720 minute winter	PP-S75	13.000_1	S75	0.4	0.606	0.004	0.0033	
720 minute winter	PP-S24	14.000_1	S92	0.9	0.791	0.009	0.0057	
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	0.004	0.0030	
720 minute winter	PP-S34	21.000_1	S34	0.8	0.841	0.007	0.0047	
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	0.6	0.776	0.005	0.0039	

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Results for 1 year 960 minute summer. 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 summer	S26	525	-0.165	0.073	0.5	0.1292	0.0000	OK
960 minute summer	S25	525	-0.165	0.079	0.4	0.2011	0.0000	OK
960 minute summer	S16	525	-0.165	0.102	3.2	0.4521	0.0000	OK
960 minute summer	S145	525	-0.167	0.148	6.2	0.6362	0.0000	OK
960 minute summer	S4	525	-0.168	0.075	0.7	0.1331	0.0000	OK
960 minute summer	S5	525	-0.168	0.116	1.5	0.2052	0.0000	OK
960 minute summer	S9	525	-0.168	0.128	0.5	0.2945	0.0000	OK
960 minute summer	S10	525	-0.168	0.153	0.5	0.2700	0.0000	OK
960 minute summer	S11	525	-0.168	0.158	1.9	0.2788	0.0000	OK
960 minute summer	S12	525	-0.168	0.167	2.3	0.2946	0.0000	OK
960 minute summer	S1	525	-0.166	0.098	1.9	0.2297	0.0000	OK
960 minute summer	S3	525	-0.167	0.140	3.1	0.4463	0.0000	OK
960 minute summer	S2	525	-0.168	0.168	3.4	0.2966	0.0000	OK
960 minute summer	S14	525	-0.168	0.141	0.3	0.2484	0.0000	OK
960 minute summer	S15	525	-0.168	0.178	7.4	0.7992	0.0000	OK
960 minute summer	S75	525	-0.170	0.192	13.2	0.4889	0.0000	OK
960 minute summer	S87	525	-0.172	0.114	1.5	0.3700	0.0000	OK
960 minute summer	S88	525	-0.172	0.136	2.9	0.4432	0.0000	OK
960 minute summer	S89	525	-0.172	0.158	4.1	0.5105	0.0000	OK
960 minute summer	S90	525	-0.173	0.179	5.3	0.5699	0.0000	OK
960 minute summer	S92	525	-0.174	0.205	18.7	0.5222	0.0000	OK
960 minute summer	S81	525	-0.178	0.124	1.5	0.3999	0.0000	OK
960 minute summer	S82	525	-0.178	0.146	2.9	0.4732	0.0000	OK
960 minute summer	S83	525	-0.179	0.166	4.1	0.5372	0.0000	OK
960 minute summer	S84	525	-0.179	0.188	5.3	0.5961	0.0000	OK
960 minute summer	S86	525	-0.180	0.213	23.4	0.5429	0.0000	OK
960 minute summer	S76	525	-0.187	0.130	1.5	0.4185	0.0000	OK
960 minute summer	S77	525	-0.187	0.152	2.8	0.4916	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	0.006	1.2653	
960 minute summer	S25	2.000	S16	0.4	0.042	0.005	1.0549	
960 minute summer	S16	1.001	S145	2.9	0.133	0.040	3.4159	
960 minute summer	S145	1.002	S75	5.7	0.135	0.080	5.1974	
960 minute summer	S4	3.000	S5	0.6	0.078	0.008	2.0585	
960 minute summer	S5	3.001	S11	1.4	0.107	0.019	3.3867	
960 minute summer	S9	4.000	S10	0.5	0.074	0.006	2.1479	
960 minute summer	S10	4.001	S11	0.5	0.042	0.007	0.4215	
960 minute summer	S11	3.002	S12	2.1	0.101	0.029	0.9332	
960 minute summer	S12	3.003	S15	2.4	0.066	0.034	1.2958	
960 minute summer	S1	5.000	S3	1.8	0.106	0.025	2.8599	
960 minute summer	S3	5.001	S2	2.9	0.109	0.041	2.7731	
960 minute summer	S2	5.002	S15	3.4	0.088	0.050	1.2072	
960 minute summer	S14	6.000	S15	-0.3	-0.009	-0.004	3.7591	
960 minute summer	S15	3.004	S75	7.6	0.134	0.106	1.9217	
960 minute summer	S75	1.003	S92	13.3	0.203	0.187	2.2719	
960 minute summer	S87	7.000	S88	1.4	0.096	0.019	1.5586	
960 minute summer	S88	7.001	S89	2.6	0.111	0.036	1.9462	
960 minute summer	S89	7.002	S90	3.8	0.112	0.054	2.3452	
960 minute summer	S90	7.003	S92	5.0	0.090	0.071	3.5190	
960 minute summer	S92	1.005	S86	18.7	0.261	0.264	2.0083	
960 minute summer	S81	8.000	S82	1.4	0.089	0.019	1.7314	
960 minute summer	S82	8.001	S83	2.6	0.107	0.037	2.1182	
960 minute summer	S83	8.002	S84	3.8	0.103	0.053	2.5146	
960 minute summer	S84	8.003	S86	5.0	0.102	0.070	3.5351	
960 minute summer	S86	1.006	S30	23.5	0.312	0.330	2.0968	
960 minute summer	S76	9.000	S77	1.3	0.084	0.019	1.8448	
960 minute summer	S77	9.001	S78	2.6	0.102	0.036	2.2462	

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Results for 1 year 960 minute summer. 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 summer	S78	525	-0.187	0.174	4.1	0.5586	0.0000	OK
960 minute summer	S79	525	-0.188	0.194	5.3	0.6140	0.0000	OK
960 minute summer	S30	525	-0.188	0.219	28.5	0.5570	0.0000	OK
960 minute summer	S31	525	-0.201	0.135	1.6	0.4475	0.0000	OK
960 minute summer	S32	525	-0.201	0.178	2.7	0.5496	0.0000	OK
960 minute summer	S33	525	-0.201	0.222	31.2	0.5642	0.0000	OK
960 minute summer	S34	525	-0.217	0.222	31.8	0.3919	0.0000	OK
960 minute summer	S35	525	-0.241	0.225	31.9	0.3975	0.0000	OK
960 minute summer	S36	525	-0.250	0.192	0.7	0.3394	0.0000	OK
960 minute summer	S37	525	-0.250	0.221	34.5	1.0867	0.0000	OK
960 minute summer	S38	525	-0.297	0.219	34.5	0.3873	0.0000	OK
960 minute summer	S39	525	-0.345	0.217	34.5	0.3829	0.0000	OK
960 minute summer	S56	525	-0.356	0.203	0.1	0.3593	0.0000	OK
960 minute summer	S57	525	-0.356	0.209	34.5	0.5328	0.0000	OK
960 minute summer	S125	525	-0.380	0.175	0.2	0.3088	0.0000	OK
960 minute summer	S127	525	-0.380	0.199	34.4	0.5058	0.0000	OK
960 minute summer	S119	540	-0.413	0.156	0.2	0.2758	0.0000	OK
960 minute summer	S60	540	-0.413	0.180	34.4	0.4582	0.0000	OK
960 minute summer	Pond Inlet 1	2355	-0.481	0.129	34.3	0.2285	0.0000	OK
960 minute summer	Pond Outlet	2400	-0.481	0.129	17.2	0.1462	0.0000	OK
960 minute summer	S13	2070	-0.481	0.157	0.1	0.5452	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	495	0.518	0.018	0.5	0.3093	0.0000	OK
960 minute summer	PP-S25	510	0.514	0.014	0.4	0.1738	0.0000	OK
960 minute summer	PP-S16	495	0.516	0.016	0.7	0.2664	0.0000	OK
960 minute summer	PP-S145	495	0.516	0.016	0.8	0.2609	0.0000	OK
960 minute summer	PP-S4	495	0.518	0.018	0.7	0.3032	0.0000	OK
960 minute summer	PP-S1	525	0.523	0.023	1.7	4.5815	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	3.8	0.103	0.055	2.6465	
960 minute summer	S79	9.003	S30	5.0	0.108	0.069	3.4463	
960 minute summer	S30	1.007	S33	28.5	0.371	0.400	2.4435	
960 minute summer	S31	10.000	S32	1.3	0.090	0.019	4.2402	
960 minute summer	S32	10.001	S33	2.3	0.096	0.033	5.8698	
960 minute summer	S33	1.008	S34	31.2	0.401	0.442	2.5087	
960 minute summer	S34	1.009	S35	31.8	0.406	0.448	4.2166	
960 minute summer	S35	1.010	S37	31.9	0.408	0.481	0.8873	
960 minute summer	S36	11.000	S37	0.5	0.048	0.008	4.0852	
960 minute summer	S37	1.011	S38	34.5	0.449	0.488	6.9673	
960 minute summer	S38	1.012	S39	34.5	0.453	0.483	6.8792	
960 minute summer	S39	1.013	S57	34.5	0.467	0.544	0.5507	
960 minute summer	S56	12.011	S57	-0.1	-0.024	-0.001	0.9235	
960 minute summer	S57	1.014	S127	34.4	0.493	0.487	1.9609	
960 minute summer	S125	21.003	S127	-0.2	-0.042	-0.003	3.0667	
960 minute summer	S127	1.015	S60	34.4	0.544	0.483	1.7525	
960 minute summer	S119	22.003	S60	-0.2	-0.068	-0.003	2.6631	
960 minute summer	S60	1.016	Pond Inlet 1	34.3	0.726	0.453	1.4313	
960 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	17.2	0.010	0.000	654.4581	
960 minute summer	Pond Outlet	1.018	S13	0.1	0.114	0.001	0.2256	
960 minute summer	S13	Pump	Final Outfall	0.0				0.0
960 minute summer	PP-S26	1.000_1	S26	0.5	0.343	0.013	0.0143	
960 minute summer	PP-S25	2.000_1	S25	0.4	0.414	0.007	0.0048	
960 minute summer	PP-S16	3.000_1	S16	0.7	0.548	0.010	0.0064	
960 minute summer	PP-S145	4.000_2	S145	0.8	0.667	0.009	0.0060	
960 minute summer	PP-S4	1.000_2	S4	0.7	0.487	0.012	0.0071	
960 minute summer	PP-S1	4.000_1	S1	1.4	0.663	0.021	0.0103	

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Results for 1 year 960 minute summer. 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 summer	PP-S5	495	0.519	0.019	1.0	0.3752	0.0000	OK
960 minute summer	PP-S12	495	0.511	0.011	0.4	0.1747	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	510	0.512	0.012	0.5	0.3321	0.0000	OK
960 minute summer	PP-S15	510	0.511	0.011	0.4	0.1210	0.0000	OK
960 minute summer	PP-S75	495	0.511	0.011	0.4	0.1341	0.0000	OK
960 minute summer	PP-S24	495	0.516	0.016	1.0	0.3289	0.0000	OK
960 minute summer	PP-S30	495	0.510	0.010	0.4	0.1281	0.0000	OK
960 minute summer	PP-S33	510	0.510	0.010	0.4	0.1044	0.0000	OK
960 minute summer	PP-S34	495	0.513	0.013	0.8	0.2597	0.0000	OK
960 minute summer	PP-S35	480	0.505	0.005	0.1	0.0345	0.0000	OK
960 minute summer	PP-S36	495	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)
960 minute summer	PP-S5	2.000_2	S5	1.0	0.652	0.013	0.0076	
960 minute summer	PP-S12	8.000_1	S12	0.4	0.570	0.004	0.0035	
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	0.610	0.005	0.0041	
960 minute summer	PP-S15	12.000_1	S15	0.4	0.586	0.004	0.0034	
960 minute summer	PP-S75	13.000_1	S75	0.4	0.605	0.004	0.0033	
960 minute summer	PP-S24	14.000_1	S92	1.0	0.816	0.010	0.0061	
960 minute summer	PP-S30	18.000_1	S30	0.4	0.660	0.004	0.0030	
960 minute summer	PP-S33	20.000_1	S33	0.4	0.673	0.004	0.0030	
960 minute summer	PP-S34	21.000_1	S34	0.8	0.841	0.007	0.0047	
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	0.7	0.812	0.006	0.0043	

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Results for 1 year 960 minute winter. 2400 minute analysis at 15 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
960 minute winter	S26	540	-0.183	0.055	0.4	0.0975	0.0000	OK
960 minute winter	S25	540	-0.183	0.061	0.3	0.1556	0.0000	OK
960 minute winter	S16	540	-0.183	0.084	2.5	0.3725	0.0000	OK
960 minute winter	S145	540	-0.186	0.129	4.9	0.5554	0.0000	OK
960 minute winter	S4	540	-0.187	0.056	0.5	0.0997	0.0000	OK
960 minute winter	S5	540	-0.187	0.097	1.2	0.1716	0.0000	OK
960 minute winter	S9	540	-0.187	0.109	0.4	0.2506	0.0000	OK
960 minute winter	S10	540	-0.187	0.134	0.4	0.2363	0.0000	OK
960 minute winter	S11	540	-0.187	0.139	1.6	0.2451	0.0000	OK
960 minute winter	S12	540	-0.187	0.148	1.9	0.2608	0.0000	OK
960 minute winter	S1	540	-0.185	0.079	1.5	0.1863	0.0000	OK
960 minute winter	S3	540	-0.186	0.121	2.6	0.3859	0.0000	OK
960 minute winter	S2	540	-0.187	0.149	2.9	0.2629	0.0000	OK
960 minute winter	S14	540	-0.188	0.121	0.1	0.2147	0.0000	OK
960 minute winter	S15	540	-0.188	0.158	6.3	0.7134	0.0000	OK
960 minute winter	S75	540	-0.189	0.173	11.3	0.4401	0.0000	OK
960 minute winter	S87	540	-0.191	0.095	1.1	0.3086	0.0000	OK
960 minute winter	S88	540	-0.191	0.117	2.2	0.3811	0.0000	OK
960 minute winter	S89	540	-0.192	0.138	3.2	0.4484	0.0000	OK
960 minute winter	S90	540	-0.192	0.160	4.2	0.5087	0.0000	OK
960 minute winter	S92	540	-0.193	0.186	16.1	0.4731	0.0000	OK
960 minute winter	S81	540	-0.197	0.105	1.1	0.3382	0.0000	OK
960 minute winter	S82	540	-0.197	0.127	2.2	0.4109	0.0000	OK
960 minute winter	S83	540	-0.198	0.147	3.2	0.4750	0.0000	OK
960 minute winter	S84	540	-0.198	0.169	4.2	0.5348	0.0000	OK
960 minute winter	S86	540	-0.199	0.194	20.1	0.4936	0.0000	OK
960 minute winter	S76	540	-0.206	0.111	1.1	0.3569	0.0000	OK
960 minute winter	S77	540	-0.206	0.133	2.2	0.4295	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	0.046	0.005	0.9137	
960 minute winter	S25	2.000	S16	0.3	0.043	0.005	0.7701	
960 minute winter	S16	1.001	S145	2.4	0.133	0.034	2.7398	
960 minute winter	S145	1.002	S75	4.8	0.131	0.067	4.4294	
960 minute winter	S4	3.000	S5	0.5	0.078	0.007	1.5114	
960 minute winter	S5	3.001	S11	1.1	0.102	0.016	2.7535	
960 minute winter	S9	4.000	S10	0.4	0.088	0.006	1.7530	
960 minute winter	S10	4.001	S11	0.4	0.046	0.006	0.3517	
960 minute winter	S11	3.002	S12	1.7	0.086	0.024	0.7859	
960 minute winter	S12	3.003	S15	1.9	0.058	0.028	1.1046	
960 minute winter	S1	5.000	S3	1.5	0.106	0.022	2.2529	
960 minute winter	S3	5.001	S2	2.5	0.111	0.036	2.3140	
960 minute winter	S2	5.002	S15	2.9	0.107	0.042	1.0298	
960 minute winter	S14	6.000	S15	0.1	-0.012	0.002	3.1576	
960 minute winter	S15	3.004	S75	6.3	0.131	0.089	1.6597	
960 minute winter	S75	1.003	S92	11.3	0.194	0.159	1.9852	
960 minute winter	S87	7.000	S88	1.1	0.096	0.015	1.2366	
960 minute winter	S88	7.001	S89	2.1	0.112	0.029	1.6042	
960 minute winter	S89	7.002	S90	3.1	0.127	0.044	1.9886	
960 minute winter	S90	7.003	S92	4.2	0.113	0.059	3.0575	
960 minute winter	S92	1.005	S86	16.1	0.253	0.226	1.7688	
960 minute winter	S81	8.000	S82	1.1	0.090	0.015	1.3977	
960 minute winter	S82	8.001	S83	2.1	0.107	0.030	1.7676	
960 minute winter	S83	8.002	S84	3.1	0.127	0.044	2.1518	
960 minute winter	S84	8.003	S86	4.1	0.108	0.058	3.0923	
960 minute winter	S86	1.006	S30	20.1	0.302	0.283	1.8559	
960 minute winter	S76	9.000	S77	1.1	0.086	0.015	1.5057	
960 minute winter	S77	9.001	S78	2.1	0.107	0.029	1.8916	

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Results for 1 year 960 minute winter. 2400 minute analysis at 15 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
960 minute winter	S78	540	-0.206	0.155	3.2	0.4967	0.0000	OK
960 minute winter	S79	540	-0.207	0.175	4.2	0.5531	0.0000	OK
960 minute winter	S30	540	-0.207	0.200	24.4	0.5078	0.0000	OK
960 minute winter	S31	540	-0.220	0.116	1.2	0.3843	0.0000	OK
960 minute winter	S32	540	-0.220	0.159	2.2	0.4904	0.0000	OK
960 minute winter	S33	540	-0.220	0.203	26.7	0.5155	0.0000	OK
960 minute winter	S34	540	-0.236	0.203	27.3	0.3586	0.0000	OK
960 minute winter	S35	540	-0.260	0.206	27.4	0.3648	0.0000	OK
960 minute winter	S36	540	-0.268	0.174	0.5	0.3074	0.0000	OK
960 minute winter	S37	540	-0.268	0.203	29.7	0.9977	0.0000	OK
960 minute winter	S38	540	-0.314	0.202	29.7	0.3567	0.0000	OK
960 minute winter	S39	540	-0.361	0.201	29.7	0.3553	0.0000	OK
960 minute winter	S56	540	-0.370	0.189	0.1	0.3331	0.0000	OK
960 minute winter	S57	540	-0.370	0.195	29.7	0.4950	0.0000	OK
960 minute winter	S125	540	-0.393	0.162	0.2	0.2854	0.0000	OK
960 minute winter	S127	540	-0.393	0.186	29.7	0.4721	0.0000	OK
960 minute winter	S119	555	-0.423	0.146	0.2	0.2573	0.0000	OK
960 minute winter	S60	555	-0.423	0.170	29.7	0.4317	0.0000	OK
960 minute winter	Pond Inlet 1	2145	-0.465	0.145	29.6	0.2564	0.0000	OK
960 minute winter	Pond Outlet	2325	-0.465	0.145	14.8	0.1641	0.0000	OK
960 minute winter	S13	1575	-0.465	0.173	0.1	0.5998	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	495	0.516	0.016	0.4	0.2543	0.0000	OK
960 minute winter	PP-S25	525	0.512	0.012	0.3	0.1335	0.0000	OK
960 minute winter	PP-S16	510	0.514	0.014	0.5	0.1986	0.0000	OK
960 minute winter	PP-S145	510	0.514	0.014	0.6	0.2022	0.0000	OK
960 minute winter	PP-S4	525	0.515	0.015	0.5	0.2272	0.0000	OK
960 minute winter	PP-S1	540	0.521	0.021	1.2	3.8880	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	3.1	0.121	0.045	2.2811	
960 minute winter	S79	9.003	S30	4.2	0.110	0.058	3.0296	
960 minute winter	S30	1.007	S33	24.4	0.357	0.343	2.1706	
960 minute winter	S31	10.000	S32	1.1	0.080	0.016	3.5499	
960 minute winter	S32	10.001	S33	2.0	0.081	0.028	5.1407	
960 minute winter	S33	1.008	S34	26.7	0.386	0.379	2.2340	
960 minute winter	S34	1.009	S35	27.3	0.390	0.385	3.7667	
960 minute winter	S35	1.010	S37	27.5	0.391	0.413	0.7944	
960 minute winter	S36	11.000	S37	0.5	0.040	0.007	3.6219	
960 minute winter	S37	1.011	S38	29.7	0.431	0.420	6.2501	
960 minute winter	S38	1.012	S39	29.7	0.433	0.416	6.2123	
960 minute winter	S39	1.013	S57	29.7	0.443	0.469	0.5000	
960 minute winter	S56	12.011	S57	-0.1	-0.066	-0.002	0.8373	
960 minute winter	S57	1.014	S127	29.7	0.467	0.420	1.7855	
960 minute winter	S125	21.003	S127	-0.2	-0.060	-0.002	2.7801	
960 minute winter	S127	1.015	S60	29.7	0.512	0.417	1.6087	
960 minute winter	S119	22.003	S60	-0.2	-0.028	-0.003	2.4411	
960 minute winter	S60	1.016	Pond Inlet 1	29.6	0.683	0.391	1.3421	
960 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	14.8	0.011	0.000	738.5036	
960 minute winter	Pond Outlet	1.018	S13	0.1	0.120	0.002	0.2574	
960 minute winter	S13	Pump	Final Outfall	0.0				0.0
960 minute winter	PP-S26	1.000_1	S26	0.4	0.326	0.010	0.0119	
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	0.6	0.611	0.007	0.0049	
960 minute winter	PP-S4	1.000_2	S4	0.5	0.441	0.009	0.0057	
960 minute winter	PP-S1	4.000_1	S1	1.1	0.628	0.017	0.0090	

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Results for 1 year 960 minute winter. 2400 minute analysis at 15 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
960 minute winter	PP-S5	510	0.516	0.016	0.7	0.2748	0.0000	OK
960 minute winter	PP-S12	510	0.510	0.010	0.3	0.1375	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	0.511	0.011	0.4	0.2720	0.0000	OK
960 minute winter	PP-S15	495	0.510	0.010	0.3	0.0947	0.0000	OK
960 minute winter	PP-S75	525	0.509	0.009	0.3	0.1051	0.0000	OK
960 minute winter	PP-S24	510	0.514	0.014	0.7	0.2394	0.0000	OK
960 minute winter	PP-S30	525	0.509	0.009	0.3	0.0999	0.0000	OK
960 minute winter	PP-S33	465	0.509	0.009	0.3	0.0814	0.0000	OK
960 minute winter	PP-S34	510	0.512	0.012	0.6	0.2005	0.0000	OK
960 minute winter	PP-S35	435	0.505	0.005	0.1	0.0345	0.0000	OK
960 minute winter	PP-S36	510	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)
960 minute winter	PP-S5	2.000_2	S5	0.7	0.585	0.009	0.0060	
960 minute winter	PP-S12	8.000_1	S12	0.3	0.528	0.003	0.0028	
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	0.4	0.573	0.004	0.0035	
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	0.7	0.733	0.007	0.0048	
960 minute winter	PP-S30	18.000_1	S30	0.3	0.610	0.003	0.0025	
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	0.6	0.773	0.005	0.0039	
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	0.5	0.737	0.004	0.0034	

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Results for 1 year 1440 minute summer. 2880 minute analysis at 30 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
1440 minute summer	S26	780	-0.190	0.048	0.3	0.0840	0.0000	OK
1440 minute summer	S25	780	-0.191	0.053	0.3	0.1357	0.0000	OK
1440 minute summer	S16	780	-0.191	0.076	2.4	0.3380	0.0000	OK
1440 minute summer	S145	780	-0.194	0.121	4.7	0.5210	0.0000	OK
1440 minute summer	S4	780	-0.194	0.049	0.5	0.0862	0.0000	OK
1440 minute summer	S5	780	-0.195	0.089	1.1	0.1577	0.0000	OK
1440 minute summer	S9	780	-0.195	0.101	0.4	0.2322	0.0000	OK
1440 minute summer	S10	780	-0.195	0.126	0.4	0.2222	0.0000	OK
1440 minute summer	S11	780	-0.195	0.131	1.4	0.2310	0.0000	OK
1440 minute summer	S12	780	-0.195	0.140	1.7	0.2467	0.0000	OK
1440 minute summer	S1	780	-0.192	0.072	1.5	0.1688	0.0000	OK
1440 minute summer	S3	780	-0.194	0.113	2.4	0.3608	0.0000	OK
1440 minute summer	S2	780	-0.195	0.141	2.7	0.2489	0.0000	OK
1440 minute summer	S14	780	-0.196	0.113	0.2	0.2006	0.0000	OK
1440 minute summer	S15	780	-0.196	0.150	5.9	0.6774	0.0000	OK
1440 minute summer	S75	780	-0.197	0.165	10.5	0.4196	0.0000	OK
1440 minute summer	S87	780	-0.199	0.087	1.1	0.2825	0.0000	OK
1440 minute summer	S88	780	-0.199	0.109	2.1	0.3548	0.0000	OK
1440 minute summer	S89	780	-0.200	0.130	3.1	0.4222	0.0000	OK
1440 minute summer	S90	780	-0.200	0.152	4.1	0.4828	0.0000	OK
1440 minute summer	S92	780	-0.201	0.178	14.9	0.4524	0.0000	OK
1440 minute summer	S81	780	-0.205	0.097	1.1	0.3120	0.0000	OK
1440 minute summer	S82	780	-0.206	0.118	2.1	0.3846	0.0000	OK
1440 minute summer	S83	780	-0.206	0.139	3.1	0.4488	0.0000	OK
1440 minute summer	S84	780	-0.207	0.160	4.1	0.5090	0.0000	OK
1440 minute summer	S86	780	-0.207	0.186	18.7	0.4729	0.0000	OK
1440 minute summer	S76	780	-0.214	0.103	1.1	0.3310	0.0000	OK
1440 minute summer	S77	780	-0.214	0.125	2.1	0.4035	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	0.047	0.004	0.7724	
1440 minute summer	S25	2.000	S16	0.3	0.041	0.004	0.6543	
1440 minute summer	S16	1.001	S145	2.2	0.128	0.031	2.4615	
1440 minute summer	S145	1.002	S75	4.5	0.126	0.064	4.1115	
1440 minute summer	S4	3.000	S5	0.4	0.078	0.006	1.3009	
1440 minute summer	S5	3.001	S11	1.1	0.103	0.015	2.5000	
1440 minute summer	S9	4.000	S10	0.4	0.063	0.005	1.5939	
1440 minute summer	S10	4.001	S11	0.4	0.040	0.005	0.3234	
1440 minute summer	S11	3.002	S12	1.5	0.086	0.022	0.7260	
1440 minute summer	S12	3.003	S15	1.8	0.057	0.026	1.0260	
1440 minute summer	S1	5.000	S3	1.5	0.109	0.021	2.0156	
1440 minute summer	S3	5.001	S2	2.4	0.103	0.034	2.1278	
1440 minute summer	S2	5.002	S15	2.8	0.085	0.041	0.9570	
1440 minute summer	S14	6.000	S15	-0.2	0.006	-0.002	2.9118	
1440 minute summer	S15	3.004	S75	6.0	0.129	0.083	1.5512	
1440 minute summer	S75	1.003	S92	10.5	0.193	0.148	1.8656	
1440 minute summer	S87	7.000	S88	1.0	0.094	0.015	1.1056	
1440 minute summer	S88	7.001	S89	2.0	0.113	0.028	1.4639	
1440 minute summer	S89	7.002	S90	3.0	0.113	0.042	1.8412	
1440 minute summer	S90	7.003	S92	4.0	0.100	0.056	2.8649	
1440 minute summer	S92	1.005	S86	14.9	0.249	0.210	1.6687	
1440 minute summer	S81	8.000	S82	1.0	0.087	0.015	1.2619	
1440 minute summer	S82	8.001	S83	2.0	0.106	0.029	1.6235	
1440 minute summer	S83	8.002	S84	3.0	0.103	0.042	2.0018	
1440 minute summer	S84	8.003	S86	4.0	0.108	0.056	2.9083	
1440 minute summer	S86	1.006	S30	18.7	0.297	0.263	1.7557	
1440 minute summer	S76	9.000	S77	1.0	0.087	0.014	1.3681	
1440 minute summer	S77	9.001	S78	2.0	0.104	0.028	1.7463	

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Results for 1 year 1440 minute summer. 2880 minute analysis at 30 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
1440 minute summer	S78	780	-0.215	0.146	3.1	0.4707	0.0000	OK
1440 minute summer	S79	780	-0.215	0.167	4.1	0.5275	0.0000	OK
1440 minute summer	S30	780	-0.216	0.191	22.6	0.4872	0.0000	OK
1440 minute summer	S31	780	-0.228	0.108	1.2	0.3582	0.0000	OK
1440 minute summer	S32	780	-0.228	0.151	2.1	0.4661	0.0000	OK
1440 minute summer	S33	780	-0.228	0.195	25.0	0.4953	0.0000	OK
1440 minute summer	S34	780	-0.244	0.195	25.5	0.3446	0.0000	OK
1440 minute summer	S35	780	-0.267	0.199	25.7	0.3510	0.0000	OK
1440 minute summer	S36	780	-0.276	0.166	0.5	0.2938	0.0000	OK
1440 minute summer	S37	780	-0.276	0.195	27.7	0.9599	0.0000	OK
1440 minute summer	S38	780	-0.322	0.194	27.7	0.3436	0.0000	OK
1440 minute summer	S39	780	-0.368	0.194	27.8	0.3430	0.0000	OK
1440 minute summer	S56	780	-0.377	0.182	0.2	0.3212	0.0000	OK
1440 minute summer	S57	780	-0.377	0.188	27.8	0.4780	0.0000	OK
1440 minute summer	S125	780	-0.400	0.155	0.1	0.2743	0.0000	OK
1440 minute summer	S127	780	-0.400	0.179	27.8	0.4561	0.0000	OK
1440 minute summer	S119	780	-0.430	0.139	0.1	0.2465	0.0000	OK
1440 minute summer	S60	780	-0.430	0.163	27.8	0.4161	0.0000	OK
1440 minute summer	Pond Inlet 1	2670	-0.469	0.141	27.7	0.2483	0.0000	OK
1440 minute summer	Pond Outlet	2790	-0.469	0.141	13.9	0.1589	0.0000	OK
1440 minute summer	S13	2820	-0.469	0.169	0.0	0.5839	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	780	0.514	0.014	0.3	0.2027	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	0.514	0.014	0.6	0.2022	0.0000	OK
1440 minute summer	PP-S4	750	0.515	0.015	0.5	0.2271	0.0000	OK
1440 minute summer	PP-S1	780	0.520	0.020	1.2	3.6255	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	3.0	0.098	0.043	2.1303	
1440 minute summer	S79	9.003	S30	4.0	0.110	0.055	2.8571	
1440 minute summer	S30	1.007	S33	22.7	0.352	0.319	2.0579	
1440 minute summer	S31	10.000	S32	1.1	0.087	0.015	3.2726	
1440 minute summer	S32	10.001	S33	2.0	0.096	0.028	4.8436	
1440 minute summer	S33	1.008	S34	25.0	0.381	0.355	2.1204	
1440 minute summer	S34	1.009	S35	25.6	0.384	0.360	3.5787	
1440 minute summer	S35	1.010	S37	25.7	0.385	0.386	0.7553	
1440 minute summer	S36	11.000	S37	0.4	-0.037	0.006	3.4274	
1440 minute summer	S37	1.011	S38	27.7	0.422	0.393	5.9457	
1440 minute summer	S38	1.012	S39	27.8	0.424	0.389	5.9223	
1440 minute summer	S39	1.013	S57	27.8	0.434	0.438	0.4773	
1440 minute summer	S56	12.011	S57	-0.2	-0.064	-0.002	0.7986	
1440 minute summer	S57	1.014	S127	27.8	0.457	0.393	1.7049	
1440 minute summer	S125	21.003	S127	-0.1	-0.011	-0.001	2.6455	
1440 minute summer	S127	1.015	S60	27.8	0.501	0.390	1.5342	
1440 minute summer	S119	22.003	S60	-0.1	-0.010	-0.001	2.3126	
1440 minute summer	S60	1.016	Pond Inlet 1	27.7	0.667	0.366	1.2555	
1440 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	13.9	0.008	0.000	714.1376	
1440 minute summer	Pond Outlet	1.018	S13	0.0	0.083	0.001	0.2482	
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	0.0099	
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	0.6	0.611	0.007	0.0049	
1440 minute summer	PP-S4	1.000_2	S4	0.5	0.441	0.009	0.0057	
1440 minute summer	PP-S1	4.000_1	S1	1.1	0.615	0.016	0.0086	

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Results for 1 year 1440 minute summer. 2880 minute analysis at 30 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
1440 minute summer	PP-S5	750	0.516	0.016	0.7	0.2748	0.0000	OK
1440 minute summer	PP-S12	750	0.510	0.010	0.3	0.1374	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	0.511	0.011	0.4	0.2710	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	0.509	0.009	0.3	0.1051	0.0000	OK
1440 minute summer	PP-S24	750	0.514	0.014	0.7	0.2393	0.0000	OK
1440 minute summer	PP-S30	750	0.509	0.009	0.3	0.0999	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	0.512	0.012	0.6	0.2005	0.0000	OK
1440 minute summer	PP-S35	720	0.505	0.005	0.1	0.0345	0.0000	OK
1440 minute summer	PP-S36	750	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)
1440 minute summer	PP-S5	2.000_2	S5	0.7	0.585	0.009	0.0060	
1440 minute summer	PP-S12	8.000_1	S12	0.3	0.528	0.003	0.0028	
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	0.4	0.572	0.004	0.0035	
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	0.3	0.560	0.003	0.0027	
1440 minute summer	PP-S24	14.000_1	S92	0.7	0.733	0.007	0.0048	
1440 minute summer	PP-S30	18.000_1	S30	0.3	0.610	0.003	0.0025	
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	0.6	0.773	0.005	0.0039	
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	0.5	0.737	0.004	0.0034	

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Results for 1 year 1440 minute winter. 2880 minute analysis at 30 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
1440 minute winter	S26	780	-0.208	0.030	0.3	0.0538	0.0000	OK
1440 minute winter	S25	780	-0.208	0.036	0.2	0.0920	0.0000	OK
1440 minute winter	S16	780	-0.208	0.059	1.9	0.2610	0.0000	OK
1440 minute winter	S145	780	-0.214	0.101	3.7	0.4363	0.0000	OK
1440 minute winter	S4	780	-0.213	0.030	0.4	0.0526	0.0000	OK
1440 minute winter	S5	780	-0.215	0.069	0.9	0.1221	0.0000	OK
1440 minute winter	S9	780	-0.216	0.080	0.3	0.1854	0.0000	OK
1440 minute winter	S10	780	-0.216	0.105	0.3	0.1863	0.0000	OK
1440 minute winter	S11	780	-0.216	0.110	1.2	0.1951	0.0000	OK
1440 minute winter	S12	780	-0.216	0.119	1.4	0.2108	0.0000	OK
1440 minute winter	S1	780	-0.211	0.053	1.2	0.1243	0.0000	OK
1440 minute winter	S3	780	-0.214	0.093	2.0	0.2967	0.0000	OK
1440 minute winter	S2	780	-0.215	0.121	2.2	0.2130	0.0000	OK
1440 minute winter	S14	780	-0.216	0.093	0.1	0.1646	0.0000	OK
1440 minute winter	S15	780	-0.216	0.130	4.9	0.5857	0.0000	OK
1440 minute winter	S75	780	-0.218	0.144	8.7	0.3674	0.0000	OK
1440 minute winter	S87	780	-0.219	0.067	0.8	0.2183	0.0000	OK
1440 minute winter	S88	780	-0.219	0.089	1.6	0.2894	0.0000	OK
1440 minute winter	S89	780	-0.220	0.110	2.4	0.3562	0.0000	OK
1440 minute winter	S90	780	-0.221	0.131	3.2	0.4173	0.0000	OK
1440 minute winter	S92	780	-0.222	0.157	12.3	0.3996	0.0000	OK
1440 minute winter	S81	780	-0.226	0.076	0.8	0.2465	0.0000	OK
1440 minute winter	S82	780	-0.226	0.098	1.6	0.3182	0.0000	OK
1440 minute winter	S83	780	-0.227	0.118	2.4	0.3822	0.0000	OK
1440 minute winter	S84	780	-0.227	0.140	3.2	0.4431	0.0000	OK
1440 minute winter	S86	780	-0.228	0.165	15.4	0.4198	0.0000	OK
1440 minute winter	S76	780	-0.235	0.082	0.8	0.2649	0.0000	OK
1440 minute winter	S77	780	-0.235	0.104	1.6	0.3366	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	0.3	0.047	0.004	0.4854	
1440 minute winter	S25	2.000	S16	0.2	0.041	0.003	0.4187	
1440 minute winter	S16	1.001	S145	1.8	0.126	0.026	1.8374	
1440 minute winter	S145	1.002	S75	3.7	0.121	0.052	3.3373	
1440 minute winter	S4	3.000	S5	0.4	0.074	0.006	0.8170	
1440 minute winter	S5	3.001	S11	0.9	0.102	0.012	1.8807	
1440 minute winter	S9	4.000	S10	0.3	0.062	0.004	1.2051	
1440 minute winter	S10	4.001	S11	0.3	0.039	0.004	0.2536	
1440 minute winter	S11	3.002	S12	1.2	0.089	0.017	0.5776	
1440 minute winter	S12	3.003	S15	1.4	0.057	0.021	0.8314	
1440 minute winter	S1	5.000	S3	1.2	0.104	0.017	1.4449	
1440 minute winter	S3	5.001	S2	1.9	0.104	0.027	1.6693	
1440 minute winter	S2	5.002	S15	2.2	0.087	0.033	0.7765	
1440 minute winter	S14	6.000	S15	0.1	-0.006	0.001	2.3070	
1440 minute winter	S15	3.004	S75	4.9	0.127	0.068	1.2815	
1440 minute winter	S75	1.003	S92	8.6	0.187	0.121	1.5671	
1440 minute winter	S87	7.000	S88	0.8	0.095	0.011	0.7993	
1440 minute winter	S88	7.001	S89	1.6	0.113	0.022	1.1275	
1440 minute winter	S89	7.002	S90	2.4	0.107	0.033	1.4801	
1440 minute winter	S90	7.003	S92	3.2	0.097	0.045	2.3863	
1440 minute winter	S92	1.005	S86	12.3	0.241	0.173	1.4166	
1440 minute winter	S81	8.000	S82	0.8	0.088	0.011	0.9367	
1440 minute winter	S82	8.001	S83	1.6	0.103	0.023	1.2723	
1440 minute winter	S83	8.002	S84	2.4	0.103	0.033	1.6294	
1440 minute winter	S84	8.003	S86	3.2	0.087	0.044	2.4441	
1440 minute winter	S86	1.006	S30	15.4	0.286	0.217	1.4995	
1440 minute winter	S76	9.000	S77	0.8	0.087	0.011	1.0312	
1440 minute winter	S77	9.001	S78	1.6	0.095	0.022	1.3849	

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Results for 1 year 1440 minute winter. 2880 minute analysis at 30 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
1440 minute winter	S78	780	-0.235	0.126	2.4	0.4038	0.0000	OK
1440 minute winter	S79	780	-0.236	0.146	3.2	0.4614	0.0000	OK
1440 minute winter	S30	780	-0.237	0.170	18.8	0.4337	0.0000	OK
1440 minute winter	S31	780	-0.249	0.087	0.9	0.2883	0.0000	OK
1440 minute winter	S32	780	-0.249	0.130	1.7	0.4005	0.0000	OK
1440 minute winter	S33	780	-0.250	0.173	20.5	0.4413	0.0000	OK
1440 minute winter	S34	780	-0.265	0.174	20.9	0.3072	0.0000	OK
1440 minute winter	S35	780	-0.288	0.178	21.0	0.3138	0.0000	OK
1440 minute winter	S36	780	-0.296	0.146	0.4	0.2573	0.0000	OK
1440 minute winter	S37	780	-0.296	0.175	22.7	0.8585	0.0000	OK
1440 minute winter	S38	780	-0.342	0.174	22.7	0.3078	0.0000	OK
1440 minute winter	S39	810	-0.387	0.175	22.7	0.3099	0.0000	OK
1440 minute winter	S56	810	-0.395	0.164	0.1	0.2898	0.0000	OK
1440 minute winter	S57	810	-0.395	0.170	22.7	0.4327	0.0000	OK
1440 minute winter	S125	810	-0.416	0.139	0.1	0.2463	0.0000	OK
1440 minute winter	S127	810	-0.416	0.163	22.7	0.4159	0.0000	OK
1440 minute winter	S119	810	-0.442	0.127	0.0	0.2249	0.0000	OK
1440 minute winter	S60	810	-0.442	0.151	22.7	0.3851	0.0000	OK
1440 minute winter	Pond Inlet 1	2730	-0.452	0.158	22.6	0.2799	0.0000	OK
1440 minute winter	Pond Outlet	2670	-0.452	0.158	11.3	0.1791	0.0000	OK
1440 minute winter	S13	2160	-0.452	0.186	0.1	0.6459	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	750	0.514	0.014	0.3	0.2013	0.0000	OK
1440 minute winter	PP-S25	690	0.510	0.010	0.2	0.0943	0.0000	OK
1440 minute winter	PP-S16	750	0.513	0.013	0.4	0.1619	0.0000	OK
1440 minute winter	PP-S145	750	0.513	0.013	0.5	0.1714	0.0000	OK
1440 minute winter	PP-S4	780	0.514	0.014	0.4	0.1852	0.0000	OK
1440 minute winter	PP-S1	780	0.518	0.018	0.9	3.0413	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	2.4	0.103	0.034	1.7500	
1440 minute winter	S79	9.003	S30	3.2	0.081	0.044	2.4155	
1440 minute winter	S30	1.007	S33	18.7	0.337	0.263	1.7629	
1440 minute winter	S31	10.000	S32	0.9	0.089	0.013	2.5552	
1440 minute winter	S32	10.001	S33	1.6	0.059	0.022	4.0578	
1440 minute winter	S33	1.008	S34	20.5	0.364	0.291	1.8186	
1440 minute winter	S34	1.009	S35	20.9	0.365	0.294	3.0778	
1440 minute winter	S35	1.010	S37	21.0	0.366	0.316	0.6510	
1440 minute winter	S36	11.000	S37	0.4	0.027	0.005	2.9115	
1440 minute winter	S37	1.011	S38	22.7	0.400	0.321	5.1296	
1440 minute winter	S38	1.012	S39	22.7	0.399	0.318	5.1425	
1440 minute winter	S39	1.013	S57	22.7	0.406	0.358	0.4174	
1440 minute winter	S56	12.011	S57	-0.1	-0.009	-0.001	0.6973	
1440 minute winter	S57	1.014	S127	22.7	0.426	0.321	1.4985	
1440 minute winter	S125	21.003	S127	-0.1	-0.054	-0.002	2.3106	
1440 minute winter	S127	1.015	S60	22.7	0.462	0.318	1.3665	
1440 minute winter	S119	22.003	S60	0.0	-0.004	-0.001	2.0605	
1440 minute winter	S60	1.016	Pond Inlet 1	22.6	0.615	0.299	1.3788	
1440 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	11.3	0.009	0.000	809.6566	
1440 minute winter	Pond Outlet	1.018	S13	0.1	0.108	0.001	0.2842	
1440 minute winter	S13	Pump	Final Outfall	0.0				0.0
1440 minute winter	PP-S26	1.000_1	S26	0.3	0.303	0.008	0.0098	
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	0.4	0.463	0.006	0.0043	
1440 minute winter	PP-S145	4.000_2	S145	0.5	0.578	0.006	0.0043	
1440 minute winter	PP-S4	1.000_2	S4	0.4	0.412	0.007	0.0049	
1440 minute winter	PP-S1	4.000_1	S1	0.9	0.580	0.013	0.0075	

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Results for 1 year 1440 minute winter. 2880 minute analysis at 30 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
1440 minute winter	PP-S5	750	0.513	0.013	0.5	0.2037	0.0000	OK
1440 minute winter	PP-S12	750	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	810	0.510	0.010	0.3	0.2120	0.0000	OK
1440 minute winter	PP-S15	660	0.508	0.008	0.2	0.0668	0.0000	OK
1440 minute winter	PP-S75	690	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	690	0.507	0.007	0.2	0.0702	0.0000	OK
1440 minute winter	PP-S33	630	0.507	0.007	0.2	0.0576	0.0000	OK
1440 minute winter	PP-S34	750	0.511	0.011	0.5	0.1713	0.0000	OK
1440 minute winter	PP-S35	690	0.505	0.005	0.1	0.0345	0.0000	OK
1440 minute winter	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 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	0.3	0.529	0.003	0.0028	
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	0.5	0.734	0.004	0.0034	
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	0.4	0.693	0.003	0.0029	

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Results for 1 year 2160 minute summer. 3600 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
2160 minute summer	S26	1140	-0.212	0.026	0.2	0.0466	0.0000	OK
2160 minute summer	S25	1140	-0.212	0.032	0.2	0.0818	0.0000	OK
2160 minute summer	S16	1140	-0.212	0.055	1.8	0.2428	0.0000	OK
2160 minute summer	S145	1140	-0.219	0.096	3.5	0.4152	0.0000	OK
2160 minute summer	S4	1140	-0.219	0.024	0.3	0.0426	0.0000	OK
2160 minute summer	S5	1140	-0.220	0.064	0.8	0.1126	0.0000	OK
2160 minute summer	S9	1140	-0.221	0.075	0.3	0.1732	0.0000	OK
2160 minute summer	S10	1140	-0.221	0.100	0.3	0.1769	0.0000	OK
2160 minute summer	S11	1140	-0.221	0.105	1.1	0.1857	0.0000	OK
2160 minute summer	S12	1140	-0.221	0.114	1.3	0.2015	0.0000	OK
2160 minute summer	S1	1140	-0.216	0.048	1.1	0.1139	0.0000	OK
2160 minute summer	S3	1140	-0.219	0.088	1.9	0.2805	0.0000	OK
2160 minute summer	S2	1140	-0.221	0.115	2.2	0.2037	0.0000	OK
2160 minute summer	S14	1140	-0.221	0.088	0.1	0.1553	0.0000	OK
2160 minute summer	S15	1140	-0.221	0.125	4.6	0.5621	0.0000	OK
2160 minute summer	S75	1140	-0.223	0.139	8.2	0.3541	0.0000	OK
2160 minute summer	S87	1140	-0.223	0.063	0.8	0.2030	0.0000	OK
2160 minute summer	S88	1140	-0.224	0.084	1.6	0.2735	0.0000	OK
2160 minute summer	S89	1140	-0.225	0.105	2.4	0.3400	0.0000	OK
2160 minute summer	S90	1140	-0.226	0.126	3.1	0.4010	0.0000	OK
2160 minute summer	S92	1140	-0.227	0.152	11.7	0.3864	0.0000	OK
2160 minute summer	S81	1140	-0.231	0.071	0.8	0.2305	0.0000	OK
2160 minute summer	S82	1140	-0.231	0.093	1.6	0.3018	0.0000	OK
2160 minute summer	S83	1140	-0.232	0.113	2.3	0.3656	0.0000	OK
2160 minute summer	S84	1140	-0.232	0.135	3.1	0.4266	0.0000	OK
2160 minute summer	S86	1140	-0.233	0.160	14.7	0.4064	0.0000	OK
2160 minute summer	S76	1140	-0.240	0.077	0.8	0.2483	0.0000	OK
2160 minute summer	S77	1140	-0.240	0.099	1.6	0.3198	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	0.044	0.003	0.4255	
2160 minute summer	S25	2.000	S16	0.2	0.038	0.003	0.3685	
2160 minute summer	S16	1.001	S145	1.7	0.125	0.024	1.6944	
2160 minute summer	S145	1.002	S75	3.5	0.119	0.049	3.1474	
2160 minute summer	S4	3.000	S5	0.3	0.075	0.005	0.6999	
2160 minute summer	S5	3.001	S11	0.8	0.099	0.011	1.7276	
2160 minute summer	S9	4.000	S10	0.3	0.058	0.004	1.1089	
2160 minute summer	S10	4.001	S11	0.3	0.031	0.004	0.2361	
2160 minute summer	S11	3.002	S12	1.2	0.078	0.017	0.5406	
2160 minute summer	S12	3.003	S15	1.3	0.048	0.019	0.7828	
2160 minute summer	S1	5.000	S3	1.1	0.103	0.016	1.3129	
2160 minute summer	S3	5.001	S2	1.9	0.109	0.026	1.5567	
2160 minute summer	S2	5.002	S15	2.1	0.089	0.031	0.7315	
2160 minute summer	S14	6.000	S15	-0.1	-0.006	-0.001	2.1568	
2160 minute summer	S15	3.004	S75	4.5	0.125	0.063	1.2139	
2160 minute summer	S75	1.003	S92	8.1	0.187	0.114	1.4927	
2160 minute summer	S87	7.000	S88	0.8	0.094	0.011	0.7301	
2160 minute summer	S88	7.001	S89	1.6	0.111	0.022	1.0491	
2160 minute summer	S89	7.002	S90	2.3	0.112	0.032	1.3936	
2160 minute summer	S90	7.003	S92	3.1	0.098	0.044	2.2690	
2160 minute summer	S92	1.005	S86	11.6	0.239	0.164	1.3541	
2160 minute summer	S81	8.000	S82	0.8	0.087	0.011	0.8611	
2160 minute summer	S82	8.001	S83	1.5	0.105	0.022	1.1890	
2160 minute summer	S83	8.002	S84	2.3	0.103	0.032	1.5394	
2160 minute summer	S84	8.003	S86	3.1	0.084	0.043	2.3300	
2160 minute summer	S86	1.006	S30	14.6	0.284	0.206	1.4355	
2160 minute summer	S76	9.000	S77	0.8	0.084	0.011	0.9504	
2160 minute summer	S77	9.001	S78	1.5	0.102	0.022	1.2967	

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Results for 1 year 2160 minute summer. 3600 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
2160 minute summer	S78	1140	-0.241	0.120	2.3	0.3869	0.0000	OK
2160 minute summer	S79	1140	-0.241	0.141	3.1	0.4446	0.0000	OK
2160 minute summer	S30	1140	-0.242	0.165	17.9	0.4201	0.0000	OK
2160 minute summer	S31	1140	-0.255	0.081	0.8	0.2696	0.0000	OK
2160 minute summer	S32	1140	-0.255	0.124	1.5	0.3832	0.0000	OK
2160 minute summer	S33	1140	-0.255	0.168	19.5	0.4271	0.0000	OK
2160 minute summer	S34	1140	-0.271	0.168	19.8	0.2972	0.0000	OK
2160 minute summer	S35	1140	-0.294	0.172	19.8	0.3038	0.0000	OK
2160 minute summer	S36	1140	-0.302	0.140	0.3	0.2474	0.0000	OK
2160 minute summer	S37	1140	-0.302	0.169	21.5	0.8308	0.0000	OK
2160 minute summer	S38	1140	-0.348	0.168	21.4	0.2974	0.0000	OK
2160 minute summer	S39	1140	-0.393	0.169	21.3	0.2994	0.0000	OK
2160 minute summer	S56	1140	-0.401	0.158	0.0	0.2795	0.0000	OK
2160 minute summer	S57	1140	-0.401	0.164	21.3	0.4178	0.0000	OK
2160 minute summer	S125	1200	-0.421	0.134	0.1	0.2360	0.0000	OK
2160 minute summer	S127	1200	-0.421	0.158	21.3	0.4011	0.0000	OK
2160 minute summer	S119	1200	-0.446	0.123	0.1	0.2165	0.0000	OK
2160 minute summer	S60	1200	-0.446	0.147	21.2	0.3729	0.0000	OK
2160 minute summer	Pond Inlet 1	3540	-0.454	0.156	21.1	0.2757	0.0000	OK
2160 minute summer	Pond Outlet	3480	-0.454	0.156	10.6	0.1765	0.0000	OK
2160 minute summer	S13	3120	-0.454	0.184	0.1	0.6378	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	0.513	0.013	0.4	0.1619	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	0.518	0.018	0.9	2.9372	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	2.3	0.103	0.033	1.6560	
2160 minute summer	S79	9.003	S30	3.1	0.076	0.043	2.3051	
2160 minute summer	S30	1.007	S33	17.9	0.335	0.251	1.6876	
2160 minute summer	S31	10.000	S32	0.8	0.068	0.011	2.3727	
2160 minute summer	S32	10.001	S33	1.5	0.043	0.021	3.8554	
2160 minute summer	S33	1.008	S34	19.4	0.360	0.275	1.7396	
2160 minute summer	S34	1.009	S35	19.7	0.360	0.278	2.9448	
2160 minute summer	S35	1.010	S37	19.8	0.360	0.298	0.6230	
2160 minute summer	S36	11.000	S37	0.3	-0.043	0.005	2.7730	
2160 minute summer	S37	1.011	S38	21.4	0.395	0.303	4.9029	
2160 minute summer	S38	1.012	S39	21.3	0.393	0.299	4.9113	
2160 minute summer	S39	1.013	S57	21.3	0.399	0.336	0.3982	
2160 minute summer	S56	12.011	S57	0.0	-0.001	0.000	0.6642	
2160 minute summer	S57	1.014	S127	21.3	0.418	0.300	1.4271	
2160 minute summer	S125	21.003	S127	-0.1	-0.002	-0.001	2.1899	
2160 minute summer	S127	1.015	S60	21.2	0.453	0.297	1.3039	
2160 minute summer	S119	22.003	S60	-0.1	-0.002	-0.001	1.9638	
2160 minute summer	S60	1.016	Pond Inlet 1	21.1	0.594	0.279	1.3488	
2160 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	10.6	0.007	0.000	797.0586	
2160 minute summer	Pond Outlet	1.018	S13	0.1	0.039	0.001	0.2795	
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	0.4	0.463	0.006	0.0043	
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	0.8	0.574	0.013	0.0074	

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Results for 1 year 2160 minute summer. 3600 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
2160 minute summer	PP-S5	1140	0.513	0.013	0.5	0.2037	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	1140	0.510	0.010	0.3	0.2120	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	0.512	0.012	0.5	0.1774	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	1080	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	0.5	0.528	0.007	0.0047	
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	0.3	0.529	0.003	0.0028	
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	0.5	0.663	0.005	0.0038	
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: 99.90%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2160 minute winter	S26	1140	-0.220	0.018	0.2	0.0311	0.0000	OK
2160 minute winter	S25	1140	-0.221	0.023	0.2	0.0575	0.0000	OK
2160 minute winter	S16	1140	-0.223	0.044	1.5	0.1963	0.0000	OK
2160 minute winter	S145	1140	-0.235	0.080	2.9	0.3427	0.0000	OK
2160 minute winter	S4	1140	-0.222	0.021	0.3	0.0373	0.0000	OK
2160 minute winter	S5	1200	-0.237	0.047	0.7	0.0829	0.0000	OK
2160 minute winter	S9	1200	-0.239	0.057	0.2	0.1325	0.0000	OK
2160 minute winter	S10	1200	-0.239	0.082	0.2	0.1456	0.0000	OK
2160 minute winter	S11	1200	-0.239	0.087	0.9	0.1545	0.0000	OK
2160 minute winter	S12	1200	-0.239	0.096	1.0	0.1700	0.0000	OK
2160 minute winter	S1	1140	-0.230	0.034	0.9	0.0812	0.0000	OK
2160 minute winter	S3	1200	-0.237	0.070	1.5	0.2250	0.0000	OK
2160 minute winter	S2	1200	-0.238	0.098	1.7	0.1723	0.0000	OK
2160 minute winter	S14	1200	-0.239	0.070	0.0	0.1238	0.0000	OK
2160 minute winter	S15	1200	-0.239	0.107	3.7	0.4818	0.0000	OK
2160 minute winter	S75	1140	-0.241	0.121	6.7	0.3079	0.0000	OK
2160 minute winter	S87	1200	-0.241	0.045	0.6	0.1470	0.0000	OK
2160 minute winter	S88	1200	-0.242	0.066	1.2	0.2154	0.0000	OK
2160 minute winter	S89	1200	-0.243	0.087	1.8	0.2808	0.0000	OK
2160 minute winter	S90	1200	-0.245	0.107	2.4	0.3422	0.0000	OK
2160 minute winter	S92	1200	-0.246	0.133	9.4	0.3392	0.0000	OK
2160 minute winter	S81	1200	-0.249	0.053	0.6	0.1721	0.0000	OK
2160 minute winter	S82	1200	-0.249	0.075	1.2	0.2422	0.0000	OK
2160 minute winter	S83	1200	-0.250	0.095	1.8	0.3056	0.0000	OK
2160 minute winter	S84	1200	-0.251	0.116	2.4	0.3673	0.0000	OK
2160 minute winter	S86	1200	-0.252	0.141	11.8	0.3587	0.0000	OK
2160 minute winter	S76	1200	-0.258	0.059	0.6	0.1891	0.0000	OK
2160 minute winter	S77	1200	-0.259	0.080	1.2	0.2596	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	0.048	0.003	0.2898	
2160 minute winter	S25	2.000	S16	0.2	0.040	0.003	0.2533	
2160 minute winter	S16	1.001	S145	1.5	0.122	0.021	1.2712	
2160 minute winter	S145	1.002	S75	2.9	0.120	0.041	2.5146	
2160 minute winter	S4	3.000	S5	0.3	0.071	0.004	0.4692	
2160 minute winter	S5	3.001	S11	0.7	0.092	0.010	1.2533	
2160 minute winter	S9	4.000	S10	0.2	0.063	0.003	0.8039	
2160 minute winter	S10	4.001	S11	0.3	0.037	0.003	0.1801	
2160 minute winter	S11	3.002	S12	0.9	0.090	0.013	0.4204	
2160 minute winter	S12	3.003	S15	1.0	0.060	0.015	0.6229	
2160 minute winter	S1	5.000	S3	0.9	0.106	0.012	0.9065	
2160 minute winter	S3	5.001	S2	1.5	0.107	0.021	1.1883	
2160 minute winter	S2	5.002	S15	1.7	0.087	0.025	0.5827	
2160 minute winter	S14	6.000	S15	0.0	0.005	-0.001	1.6661	
2160 minute winter	S15	3.004	S75	3.7	0.120	0.052	0.9884	
2160 minute winter	S75	1.003	S92	6.7	0.182	0.094	1.2378	
2160 minute winter	S87	7.000	S88	0.6	0.090	0.008	0.4919	
2160 minute winter	S88	7.001	S89	1.2	0.111	0.017	0.7747	
2160 minute winter	S89	7.002	S90	1.8	0.111	0.025	1.0908	
2160 minute winter	S90	7.003	S92	2.4	0.116	0.034	1.8597	
2160 minute winter	S92	1.005	S86	9.4	0.231	0.133	1.1357	
2160 minute winter	S81	8.000	S82	0.6	0.086	0.008	0.6009	
2160 minute winter	S82	8.001	S83	1.2	0.105	0.017	0.8977	
2160 minute winter	S83	8.002	S84	1.8	0.103	0.025	1.2238	
2160 minute winter	S84	8.003	S86	2.4	0.113	0.034	1.9297	
2160 minute winter	S86	1.006	S30	11.8	0.272	0.167	1.2125	
2160 minute winter	S76	9.000	S77	0.6	0.084	0.008	0.6777	
2160 minute winter	S77	9.001	S78	1.2	0.101	0.017	0.9951	

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Results for 1 year 2160 minute winter. 3600 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
2160 minute winter	S78	1200	-0.259	0.102	1.8	0.3266	0.0000	OK
2160 minute winter	S79	1200	-0.260	0.122	2.4	0.3851	0.0000	OK
2160 minute winter	S30	1200	-0.261	0.146	14.3	0.3721	0.0000	OK
2160 minute winter	S31	1140	-0.273	0.063	0.7	0.2093	0.0000	OK
2160 minute winter	S32	1140	-0.273	0.106	1.3	0.3261	0.0000	OK
2160 minute winter	S33	1140	-0.274	0.149	15.7	0.3798	0.0000	OK
2160 minute winter	S34	1140	-0.289	0.150	16.0	0.2646	0.0000	OK
2160 minute winter	S35	1140	-0.312	0.154	16.1	0.2718	0.0000	OK
2160 minute winter	S36	1140	-0.320	0.122	0.3	0.2161	0.0000	OK
2160 minute winter	S37	1140	-0.320	0.151	17.5	0.7439	0.0000	OK
2160 minute winter	S38	1140	-0.365	0.151	17.4	0.2670	0.0000	OK
2160 minute winter	S39	1200	-0.408	0.154	17.4	0.2713	0.0000	OK
2160 minute winter	S56	1200	-0.416	0.143	0.0	0.2529	0.0000	OK
2160 minute winter	S57	1200	-0.416	0.149	17.4	0.3795	0.0000	OK
2160 minute winter	S125	1200	-0.435	0.120	0.1	0.2126	0.0000	OK
2160 minute winter	S127	1200	-0.435	0.144	17.4	0.3673	0.0000	OK
2160 minute winter	S119	3000	-0.438	0.131	0.2	0.2320	0.0000	OK
2160 minute winter	S60	2640	-0.438	0.155	17.4	0.3951	0.0000	OK
2160 minute winter	Pond Inlet 1	3300	-0.438	0.172	17.3	0.3042	0.0000	OK
2160 minute winter	Pond Outlet	3360	-0.438	0.172	8.7	0.1947	0.0000	OK
2160 minute winter	S13	3240	-0.438	0.200	0.0	0.6937	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	1140	0.512	0.012	0.2	0.1403	0.0000	OK
2160 minute winter	PP-S25	1140	0.510	0.010	0.2	0.0943	0.0000	OK
2160 minute winter	PP-S16	1140	0.511	0.011	0.3	0.1261	0.0000	OK
2160 minute winter	PP-S145	1020	0.510	0.010	0.3	0.1113	0.0000	OK
2160 minute winter	PP-S4	1140	0.512	0.012	0.3	0.1429	0.0000	OK
2160 minute winter	PP-S1	1140	0.516	0.016	0.7	2.4007	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	1.8	0.095	0.026	1.3321	
2160 minute winter	S79	9.003	S30	2.4	0.097	0.034	1.9233	
2160 minute winter	S30	1.007	S33	14.4	0.318	0.202	1.4328	
2160 minute winter	S31	10.000	S32	0.7	0.067	0.010	1.8026	
2160 minute winter	S32	10.001	S33	1.3	0.078	0.018	3.1996	
2160 minute winter	S33	1.008	S34	15.7	0.342	0.222	1.4834	
2160 minute winter	S34	1.009	S35	16.0	0.342	0.225	2.5225	
2160 minute winter	S35	1.010	S37	16.1	0.341	0.242	0.5357	
2160 minute winter	S36	11.000	S37	0.3	0.011	0.004	2.3470	
2160 minute winter	S37	1.011	S38	17.4	0.373	0.247	4.2246	
2160 minute winter	S38	1.012	S39	17.4	0.369	0.244	4.2667	
2160 minute winter	S39	1.013	S57	17.4	0.372	0.275	0.3486	
2160 minute winter	S56	12.011	S57	0.0	-0.003	0.000	0.5806	
2160 minute winter	S57	1.014	S127	17.4	0.389	0.246	1.2582	
2160 minute winter	S125	21.003	S127	-0.1	-0.023	-0.001	1.9190	
2160 minute winter	S127	1.015	S60	17.4	0.417	0.244	1.2590	
2160 minute winter	S119	22.003	S60	-0.2	-0.047	-0.003	2.1412	
2160 minute winter	S60	1.016	Pond Inlet 1	17.3	0.540	0.229	1.5542	
2160 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	8.7	0.007	0.000	883.1579	
2160 minute winter	Pond Outlet	1.018	S13	0.0	0.054	-0.001	0.3115	
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	0.2	0.339	0.003	0.0029	
2160 minute winter	PP-S16	3.000_1	S16	0.3	0.426	0.004	0.0035	
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	0.3	0.378	0.005	0.0040	
2160 minute winter	PP-S1	4.000_1	S1	0.7	0.536	0.010	0.0063	

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Results for 1 year 2160 minute winter. 3600 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
2160 minute winter	PP-S5	1140	0.512	0.012	0.4	0.1671	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	1080	0.508	0.008	0.2	0.1482	0.0000	OK
2160 minute winter	PP-S15	1140	0.508	0.008	0.2	0.0668	0.0000	OK
2160 minute winter	PP-S75	1140	0.508	0.008	0.2	0.0739	0.0000	OK
2160 minute winter	PP-S24	1140	0.510	0.010	0.4	0.1471	0.0000	OK
2160 minute winter	PP-S30	780	0.505	0.005	0.1	0.0392	0.0000	OK
2160 minute winter	PP-S33	1080	0.507	0.007	0.2	0.0576	0.0000	OK
2160 minute winter	PP-S34	1020	0.509	0.009	0.3	0.1114	0.0000	OK
2160 minute winter	PP-S35	1140	0.505	0.005	0.1	0.0345	0.0000	OK
2160 minute winter	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 winter	PP-S5	2.000_2	S5	0.4	0.494	0.005	0.0040	
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	0.2	0.482	0.002	0.0021	
2160 minute winter	PP-S75	13.000_1	S75	0.2	0.498	0.002	0.0020	
2160 minute winter	PP-S24	14.000_1	S92	0.4	0.623	0.004	0.0032	
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	0.2	0.551	0.002	0.0018	
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	0.1	0.469	0.001	0.0011	
2160 minute winter	PP-S36	23.000_2	S36	0.3	0.639	0.003	0.0023	

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Results for 1 year 2880 minute summer. 4320 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
2880 minute summer	S26	1500	-0.220	0.018	0.2	0.0316	0.0000	OK
2880 minute summer	S25	1500	-0.221	0.023	0.2	0.0585	0.0000	OK
2880 minute summer	S16	1500	-0.222	0.045	1.5	0.1987	0.0000	OK
2880 minute summer	S145	1500	-0.231	0.084	3.0	0.3614	0.0000	OK
2880 minute summer	S4	1500	-0.222	0.021	0.3	0.0373	0.0000	OK
2880 minute summer	S5	1500	-0.233	0.051	0.7	0.0905	0.0000	OK
2880 minute summer	S9	1500	-0.234	0.062	0.2	0.1434	0.0000	OK
2880 minute summer	S10	1500	-0.234	0.087	0.2	0.1541	0.0000	OK
2880 minute summer	S11	1500	-0.234	0.092	0.9	0.1629	0.0000	OK
2880 minute summer	S12	1500	-0.234	0.101	1.1	0.1786	0.0000	OK
2880 minute summer	S1	1500	-0.226	0.038	1.0	0.0890	0.0000	OK
2880 minute summer	S3	1500	-0.232	0.075	1.6	0.2397	0.0000	OK
2880 minute summer	S2	1500	-0.234	0.102	1.7	0.1809	0.0000	OK
2880 minute summer	S14	1500	-0.234	0.075	0.1	0.1324	0.0000	OK
2880 minute summer	S15	1500	-0.234	0.112	3.8	0.5039	0.0000	OK
2880 minute summer	S75	1500	-0.236	0.126	6.9	0.3211	0.0000	OK
2880 minute summer	S87	1500	-0.235	0.051	0.7	0.1646	0.0000	OK
2880 minute summer	S88	1500	-0.236	0.072	1.4	0.2336	0.0000	OK
2880 minute summer	S89	1500	-0.238	0.092	2.1	0.2991	0.0000	OK
2880 minute summer	S90	1500	-0.239	0.113	2.7	0.3601	0.0000	OK
2880 minute summer	S92	1500	-0.240	0.139	9.9	0.3534	0.0000	OK
2880 minute summer	S81	1500	-0.243	0.059	0.7	0.1909	0.0000	OK
2880 minute summer	S82	1500	-0.244	0.080	1.4	0.2613	0.0000	OK
2880 minute summer	S83	1500	-0.244	0.101	2.1	0.3247	0.0000	OK
2880 minute summer	S84	1500	-0.245	0.122	2.7	0.3860	0.0000	OK
2880 minute summer	S86	1500	-0.246	0.147	12.6	0.3735	0.0000	OK
2880 minute summer	S76	1500	-0.252	0.065	0.7	0.2086	0.0000	OK
2880 minute summer	S77	1500	-0.253	0.086	1.4	0.2794	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	0.045	0.003	0.2955	
2880 minute summer	S25	2.000	S16	0.2	0.042	0.003	0.2585	
2880 minute summer	S16	1.001	S145	1.5	0.125	0.021	1.3502	
2880 minute summer	S145	1.002	S75	2.9	0.119	0.042	2.6848	
2880 minute summer	S4	3.000	S5	0.3	0.075	0.004	0.5188	
2880 minute summer	S5	3.001	S11	0.7	0.100	0.010	1.3741	
2880 minute summer	S9	4.000	S10	0.2	0.059	0.003	0.8837	
2880 minute summer	S10	4.001	S11	0.3	0.032	0.003	0.1949	
2880 minute summer	S11	3.002	S12	1.0	0.081	0.014	0.4524	
2880 minute summer	S12	3.003	S15	1.1	0.052	0.017	0.6659	
2880 minute summer	S1	5.000	S3	1.0	0.105	0.013	1.0072	
2880 minute summer	S3	5.001	S2	1.5	0.104	0.021	1.2851	
2880 minute summer	S2	5.002	S15	1.7	0.087	0.025	0.6227	
2880 minute summer	S14	6.000	S15	-0.1	-0.007	-0.001	1.7982	
2880 minute summer	S15	3.004	S75	3.8	0.123	0.053	1.0507	
2880 minute summer	S75	1.003	S92	6.8	0.178	0.096	1.3114	
2880 minute summer	S87	7.000	S88	0.7	0.093	0.010	0.5631	
2880 minute summer	S88	7.001	S89	1.4	0.107	0.019	0.8575	
2880 minute summer	S89	7.002	S90	2.0	0.113	0.029	1.1819	
2880 minute summer	S90	7.003	S92	2.7	0.098	0.039	1.9814	
2880 minute summer	S92	1.005	S86	9.9	0.229	0.139	1.2016	
2880 minute summer	S81	8.000	S82	0.7	0.085	0.010	0.6809	
2880 minute summer	S82	8.001	S83	1.4	0.105	0.020	0.9878	
2880 minute summer	S83	8.002	S84	2.0	0.103	0.029	1.3215	
2880 minute summer	S84	8.003	S86	2.7	0.084	0.038	2.0535	
2880 minute summer	S86	1.006	S30	12.6	0.273	0.177	1.2825	
2880 minute summer	S76	9.000	S77	0.7	0.080	0.010	0.7649	
2880 minute summer	S77	9.001	S78	1.4	0.103	0.019	1.0915	

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Results for 1 year 2880 minute summer. 4320 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
2880 minute summer	S78	1500	-0.253	0.108	2.1	0.3462	0.0000	OK
2880 minute summer	S79	1500	-0.254	0.128	2.7	0.4044	0.0000	OK
2880 minute summer	S30	1500	-0.255	0.152	15.5	0.3876	0.0000	OK
2880 minute summer	S31	1500	-0.267	0.069	0.7	0.2281	0.0000	OK
2880 minute summer	S32	1500	-0.268	0.111	1.3	0.3442	0.0000	OK
2880 minute summer	S33	1500	-0.268	0.155	16.9	0.3949	0.0000	OK
2880 minute summer	S34	1500	-0.283	0.156	17.2	0.2752	0.0000	OK
2880 minute summer	S35	1500	-0.306	0.160	17.3	0.2820	0.0000	OK
2880 minute summer	S36	1500	-0.314	0.128	0.3	0.2261	0.0000	OK
2880 minute summer	S37	1500	-0.314	0.157	18.7	0.7715	0.0000	OK
2880 minute summer	S38	1500	-0.360	0.156	18.7	0.2765	0.0000	OK
2880 minute summer	S39	1500	-0.404	0.158	18.6	0.2799	0.0000	OK
2880 minute summer	S56	1500	-0.411	0.148	0.0	0.2609	0.0000	OK
2880 minute summer	S57	1500	-0.411	0.154	18.6	0.3911	0.0000	OK
2880 minute summer	S125	1500	-0.431	0.124	0.1	0.2191	0.0000	OK
2880 minute summer	S127	1500	-0.431	0.148	18.5	0.3766	0.0000	OK
2880 minute summer	S119	3840	-0.441	0.128	0.0	0.2256	0.0000	OK
2880 minute summer	S60	3840	-0.441	0.152	18.5	0.3859	0.0000	OK
2880 minute summer	Pond Inlet 1	4140	-0.441	0.169	18.4	0.2979	0.0000	OK
2880 minute summer	Pond Outlet	4200	-0.441	0.169	9.2	0.1906	0.0000	OK
2880 minute summer	S13	3780	-0.441	0.197	0.0	0.6811	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	1560	0.512	0.012	0.2	0.1403	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	0.511	0.011	0.4	0.1411	0.0000	OK
2880 minute summer	PP-S4	1500	0.512	0.012	0.3	0.1429	0.0000	OK
2880 minute summer	PP-S1	1500	0.516	0.016	0.7	2.3775	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	2.0	0.103	0.029	1.4352	
2880 minute summer	S79	9.003	S30	2.7	0.076	0.038	2.0449	
2880 minute summer	S30	1.007	S33	15.4	0.323	0.217	1.5145	
2880 minute summer	S31	10.000	S32	0.7	0.073	0.010	1.9763	
2880 minute summer	S32	10.001	S33	1.3	0.043	0.017	3.4055	
2880 minute summer	S33	1.008	S34	16.8	0.346	0.238	1.5653	
2880 minute summer	S34	1.009	S35	17.2	0.347	0.242	2.6573	
2880 minute summer	S35	1.010	S37	17.3	0.347	0.260	0.5633	
2880 minute summer	S36	11.000	S37	0.3	-0.043	0.004	2.4810	
2880 minute summer	S37	1.011	S38	18.7	0.381	0.264	4.4373	
2880 minute summer	S38	1.012	S39	18.6	0.377	0.260	4.4658	
2880 minute summer	S39	1.013	S57	18.6	0.381	0.293	0.3637	
2880 minute summer	S56	12.011	S57	0.0	0.001	0.001	0.6057	
2880 minute summer	S57	1.014	S127	18.5	0.398	0.262	1.3071	
2880 minute summer	S125	21.003	S127	-0.1	-0.002	-0.001	1.9932	
2880 minute summer	S127	1.015	S60	18.5	0.428	0.259	1.2169	
2880 minute summer	S119	22.003	S60	0.0	-0.002	-0.001	2.0676	
2880 minute summer	S60	1.016	Pond Inlet 1	18.4	0.546	0.243	1.5079	
2880 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	9.2	0.007	0.000	863.9269	
2880 minute summer	Pond Outlet	1.018	S13	0.0	0.040	0.001	0.3043	
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	0.4	0.542	0.005	0.0037	
2880 minute summer	PP-S4	1.000_2	S4	0.3	0.378	0.005	0.0040	
2880 minute summer	PP-S1	4.000_1	S1	0.7	0.535	0.010	0.0063	

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Results for 1 year 2880 minute summer. 4320 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
2880 minute summer	PP-S5	1500	0.512	0.012	0.4	0.1671	0.0000	OK
2880 minute summer	PP-S12	1500	0.508	0.008	0.2	0.0962	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	0.508	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	1500	0.508	0.008	0.2	0.0739	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	1500	0.507	0.007	0.2	0.0702	0.0000	OK
2880 minute summer	PP-S33	1440	0.507	0.007	0.2	0.0576	0.0000	OK
2880 minute summer	PP-S34	1500	0.510	0.010	0.4	0.1423	0.0000	OK
2880 minute summer	PP-S35	1500	0.505	0.005	0.1	0.0345	0.0000	OK
2880 minute summer	PP-S36	1500	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)
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	0.2	0.470	0.002	0.0021	
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	0.2	0.498	0.002	0.0020	
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	0.2	0.541	0.002	0.0018	
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	0.4	0.690	0.003	0.0029	
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	0.3	0.639	0.003	0.0023	

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Results for 1 year 2880 minute winter. 4320 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
2880 minute winter	S26	1500	-0.220	0.018	0.2	0.0310	0.0000	OK
2880 minute winter	S25	1500	-0.228	0.016	0.1	0.0409	0.0000	OK
2880 minute winter	S16	1500	-0.229	0.038	1.1	0.1698	0.0000	OK
2880 minute winter	S145	1500	-0.250	0.065	2.3	0.2818	0.0000	OK
2880 minute winter	S4	1380	-0.225	0.018	0.2	0.0311	0.0000	OK
2880 minute winter	S5	1500	-0.251	0.033	0.5	0.0574	0.0000	OK
2880 minute winter	S9	1500	-0.253	0.043	0.2	0.0982	0.0000	OK
2880 minute winter	S10	1500	-0.254	0.067	0.2	0.1192	0.0000	OK
2880 minute winter	S11	1500	-0.254	0.072	0.7	0.1280	0.0000	OK
2880 minute winter	S12	1500	-0.254	0.081	0.8	0.1436	0.0000	OK
2880 minute winter	S1	1680	-0.233	0.031	0.7	0.0734	0.0000	OK
2880 minute winter	S3	1500	-0.251	0.056	1.2	0.1800	0.0000	OK
2880 minute winter	S2	1500	-0.253	0.083	1.4	0.1460	0.0000	OK
2880 minute winter	S14	1500	-0.254	0.055	0.0	0.0973	0.0000	OK
2880 minute winter	S15	1500	-0.254	0.092	3.0	0.4143	0.0000	OK
2880 minute winter	S75	1500	-0.256	0.106	5.4	0.2692	0.0000	OK
2880 minute winter	S87	1500	-0.253	0.033	0.5	0.1060	0.0000	OK
2880 minute winter	S88	1500	-0.256	0.052	1.0	0.1692	0.0000	OK
2880 minute winter	S89	1500	-0.258	0.072	1.5	0.2322	0.0000	OK
2880 minute winter	S90	1500	-0.260	0.092	2.0	0.2931	0.0000	OK
2880 minute winter	S92	1500	-0.261	0.118	7.6	0.2996	0.0000	OK
2880 minute winter	S81	1560	-0.263	0.039	0.5	0.1262	0.0000	OK
2880 minute winter	S82	1500	-0.264	0.060	1.0	0.1936	0.0000	OK
2880 minute winter	S83	1500	-0.266	0.079	1.5	0.2557	0.0000	OK
2880 minute winter	S84	1500	-0.267	0.100	2.0	0.3176	0.0000	OK
2880 minute winter	S86	1500	-0.268	0.125	9.6	0.3186	0.0000	OK
2880 minute winter	S76	1560	-0.273	0.044	0.5	0.1412	0.0000	OK
2880 minute winter	S77	1560	-0.274	0.065	1.0	0.2100	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	0.2	0.050	0.003	0.2442	
2880 minute winter	S25	2.000	S16	0.1	0.038	0.001	0.1891	
2880 minute winter	S16	1.001	S145	1.1	0.125	0.015	0.9776	
2880 minute winter	S145	1.002	S75	2.3	0.119	0.032	2.0144	
2880 minute winter	S4	3.000	S5	0.2	0.076	0.003	0.2909	
2880 minute winter	S5	3.001	S11	0.5	0.100	0.007	0.8902	
2880 minute winter	S9	4.000	S10	0.2	0.059	0.003	0.5703	
2880 minute winter	S10	4.001	S11	0.2	0.032	0.003	0.1361	
2880 minute winter	S11	3.002	S12	0.7	0.081	0.011	0.3255	
2880 minute winter	S12	3.003	S15	0.9	0.053	0.012	0.4961	
2880 minute winter	S1	5.000	S3	0.7	0.105	0.010	0.6876	
2880 minute winter	S3	5.001	S2	1.2	0.104	0.017	0.9075	
2880 minute winter	S2	5.002	S15	1.4	0.085	0.021	0.4654	
2880 minute winter	S14	6.000	S15	0.0	-0.007	0.000	1.2842	
2880 minute winter	S15	3.004	S75	3.0	0.121	0.041	0.8084	
2880 minute winter	S75	1.003	S92	5.3	0.174	0.075	1.0326	
2880 minute winter	S87	7.000	S88	0.5	0.090	0.007	0.3298	
2880 minute winter	S88	7.001	S89	1.0	0.111	0.014	0.5707	
2880 minute winter	S89	7.002	S90	1.5	0.113	0.021	0.8556	
2880 minute winter	S90	7.003	S92	2.0	0.086	0.029	1.5328	
2880 minute winter	S92	1.005	S86	7.6	0.221	0.107	0.9588	
2880 minute winter	S81	8.000	S82	0.5	0.087	0.007	0.4124	
2880 minute winter	S82	8.001	S83	1.0	0.105	0.014	0.6747	
2880 minute winter	S83	8.002	S84	1.5	0.103	0.021	0.9745	
2880 minute winter	S84	8.003	S86	2.0	0.074	0.028	1.6075	
2880 minute winter	S86	1.006	S30	9.6	0.260	0.135	1.0311	
2880 minute winter	S76	9.000	S77	0.5	0.083	0.007	0.4766	
2880 minute winter	S77	9.001	S78	1.0	0.103	0.014	0.7623	

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Results for 1 year 2880 minute winter. 4320 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
2880 minute winter	S78	1500	-0.275	0.086	1.5	0.2763	0.0000	OK
2880 minute winter	S79	1500	-0.276	0.106	2.0	0.3353	0.0000	OK
2880 minute winter	S30	1500	-0.277	0.130	11.7	0.3318	0.0000	OK
2880 minute winter	S31	1500	-0.289	0.047	0.5	0.1568	0.0000	OK
2880 minute winter	S32	1500	-0.289	0.090	1.0	0.2768	0.0000	OK
2880 minute winter	S33	1500	-0.290	0.133	12.8	0.3391	0.0000	OK
2880 minute winter	S34	1500	-0.305	0.134	13.1	0.2364	0.0000	OK
2880 minute winter	S35	1500	-0.328	0.138	13.0	0.2430	0.0000	OK
2880 minute winter	S36	1500	-0.336	0.106	0.2	0.1879	0.0000	OK
2880 minute winter	S37	1500	-0.336	0.135	14.1	0.6653	0.0000	OK
2880 minute winter	S38	1500	-0.381	0.135	14.1	0.2389	0.0000	OK
2880 minute winter	S39	1560	-0.423	0.139	14.1	0.2449	0.0000	OK
2880 minute winter	S56	3900	-0.425	0.134	0.0	0.2365	0.0000	OK
2880 minute winter	S57	4020	-0.425	0.140	14.1	0.3558	0.0000	OK
2880 minute winter	S125	3840	-0.425	0.130	0.1	0.2294	0.0000	OK
2880 minute winter	S127	3780	-0.425	0.154	14.1	0.3915	0.0000	OK
2880 minute winter	S119	3900	-0.425	0.144	0.0	0.2541	0.0000	OK
2880 minute winter	S60	4320	-0.425	0.168	14.1	0.4269	0.0000	OK
2880 minute winter	Pond Inlet 1	4320	-0.425	0.185	14.1	0.3264	0.0000	OK
2880 minute winter	Pond Outlet	4200	-0.425	0.185	7.0	0.2089	0.0000	OK
2880 minute winter	S13	4020	-0.425	0.213	0.1	0.7372	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	1500	0.512	0.012	0.2	0.1402	0.0000	OK
2880 minute winter	PP-S25	1080	0.507	0.007	0.1	0.0532	0.0000	OK
2880 minute winter	PP-S16	1260	0.509	0.009	0.2	0.0901	0.0000	OK
2880 minute winter	PP-S145	1500	0.510	0.010	0.3	0.1113	0.0000	OK
2880 minute winter	PP-S4	1320	0.510	0.010	0.2	0.1016	0.0000	OK
2880 minute winter	PP-S1	1680	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)
2880 minute winter	S78	9.002	S79	1.5	0.097	0.022	1.0750	
2880 minute winter	S79	9.003	S30	2.0	0.069	0.028	1.6144	
2880 minute winter	S30	1.007	S33	11.7	0.303	0.164	1.2242	
2880 minute winter	S31	10.000	S32	0.5	0.081	0.007	1.3460	
2880 minute winter	S32	10.001	S33	1.0	0.055	0.014	2.6575	
2880 minute winter	S33	1.008	S34	12.8	0.324	0.181	1.2687	
2880 minute winter	S34	1.009	S35	13.0	0.325	0.184	2.1599	
2880 minute winter	S35	1.010	S37	13.0	0.323	0.196	0.4590	
2880 minute winter	S36	11.000	S37	0.2	0.010	0.003	1.9746	
2880 minute winter	S37	1.011	S38	14.1	0.353	0.200	3.6210	
2880 minute winter	S38	1.012	S39	14.1	0.347	0.197	3.6789	
2880 minute winter	S39	1.013	S57	14.1	0.348	0.223	0.3078	
2880 minute winter	S56	12.011	S57	0.0	-0.006	0.001	0.5300	
2880 minute winter	S57	1.014	S127	14.1	0.362	0.199	1.2594	
2880 minute winter	S125	21.003	S127	-0.1	-0.006	-0.001	2.1115	
2880 minute winter	S127	1.015	S60	14.1	0.384	0.198	1.4072	
2880 minute winter	S119	22.003	S60	0.0	-0.006	-0.001	2.4023	
2880 minute winter	S60	1.016	Pond Inlet 1	14.1	0.484	0.186	1.7170	
2880 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	7.0	0.007	0.000	950.2715	
2880 minute winter	Pond Outlet	1.018	S13	0.1	0.048	0.001	0.3358	
2880 minute winter	S13	Pump	Final Outfall	0.0				0.0
2880 minute winter	PP-S26	1.000_1	S26	0.2	0.266	0.005	0.0075	
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	0.3	0.500	0.004	0.0030	
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	0.489	0.008	0.0051	

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Results for 1 year 2880 minute winter. 4320 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
2880 minute winter	PP-S5	1380	0.511	0.011	0.3	0.1311	0.0000	OK
2880 minute winter	PP-S12	1080	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	1500	0.508	0.008	0.2	0.1482	0.0000	OK
2880 minute winter	PP-S15	1080	0.506	0.006	0.1	0.0373	0.0000	OK
2880 minute winter	PP-S75	1080	0.506	0.006	0.1	0.0412	0.0000	OK
2880 minute winter	PP-S24	1380	0.509	0.009	0.3	0.1160	0.0000	OK
2880 minute winter	PP-S30	1080	0.505	0.005	0.1	0.0392	0.0000	OK
2880 minute winter	PP-S33	960	0.505	0.005	0.1	0.0325	0.0000	OK
2880 minute winter	PP-S34	1500	0.509	0.009	0.3	0.1114	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	1260	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	0.2	0.471	0.002	0.0021	
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	0.3	0.636	0.003	0.0024	
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: 99.92%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
4320 minute summer	S26	2220	-0.220	0.018	0.2	0.0310	0.0000	OK
4320 minute summer	S25	2220	-0.228	0.016	0.1	0.0409	0.0000	OK
4320 minute summer	S16	2220	-0.229	0.038	1.1	0.1698	0.0000	OK
4320 minute summer	S145	2220	-0.250	0.065	2.3	0.2798	0.0000	OK
4320 minute summer	S4	2160	-0.225	0.018	0.2	0.0311	0.0000	OK
4320 minute summer	S5	2220	-0.252	0.032	0.5	0.0565	0.0000	OK
4320 minute summer	S9	2220	-0.254	0.042	0.2	0.0970	0.0000	OK
4320 minute summer	S10	2220	-0.254	0.067	0.2	0.1183	0.0000	OK
4320 minute summer	S11	2220	-0.254	0.072	0.7	0.1271	0.0000	OK
4320 minute summer	S12	2220	-0.254	0.081	0.9	0.1427	0.0000	OK
4320 minute summer	S1	2220	-0.232	0.032	0.8	0.0764	0.0000	OK
4320 minute summer	S3	2220	-0.251	0.056	1.3	0.1796	0.0000	OK
4320 minute summer	S2	2220	-0.254	0.082	1.5	0.1452	0.0000	OK
4320 minute summer	S14	2220	-0.254	0.055	0.0	0.0964	0.0000	OK
4320 minute summer	S15	2220	-0.254	0.092	3.0	0.4120	0.0000	OK
4320 minute summer	S75	2220	-0.257	0.105	5.4	0.2677	0.0000	OK
4320 minute summer	S87	2220	-0.254	0.032	0.5	0.1045	0.0000	OK
4320 minute summer	S88	2220	-0.257	0.051	1.0	0.1674	0.0000	OK
4320 minute summer	S89	2220	-0.259	0.071	1.5	0.2301	0.0000	OK
4320 minute summer	S90	2220	-0.261	0.091	2.0	0.2910	0.0000	OK
4320 minute summer	S92	2220	-0.262	0.117	7.6	0.2979	0.0000	OK
4320 minute summer	S81	2220	-0.264	0.038	0.5	0.1241	0.0000	OK
4320 minute summer	S82	2220	-0.265	0.059	1.0	0.1913	0.0000	OK
4320 minute summer	S83	2220	-0.267	0.078	1.5	0.2534	0.0000	OK
4320 minute summer	S84	2220	-0.268	0.099	2.0	0.3152	0.0000	OK
4320 minute summer	S86	2220	-0.269	0.124	9.5	0.3167	0.0000	OK
4320 minute summer	S76	2220	-0.274	0.043	0.5	0.1388	0.0000	OK
4320 minute summer	S77	2220	-0.275	0.064	1.0	0.2075	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	0.2	0.050	0.003	0.2442	
4320 minute summer	S25	2.000	S16	0.1	0.038	0.001	0.1891	
4320 minute summer	S16	1.001	S145	1.1	0.121	0.015	0.9706	
4320 minute summer	S145	1.002	S75	2.3	0.118	0.032	1.9970	
4320 minute summer	S4	3.000	S5	0.2	0.076	0.003	0.2859	
4320 minute summer	S5	3.001	S11	0.5	0.101	0.007	0.8779	
4320 minute summer	S9	4.000	S10	0.2	0.061	0.003	0.5624	
4320 minute summer	S10	4.001	S11	0.2	0.035	0.003	0.1346	
4320 minute summer	S11	3.002	S12	0.8	0.085	0.011	0.3223	
4320 minute summer	S12	3.003	S15	0.9	0.054	0.013	0.4918	
4320 minute summer	S1	5.000	S3	0.8	0.107	0.011	0.6994	
4320 minute summer	S3	5.001	S2	1.3	0.103	0.018	0.9018	
4320 minute summer	S2	5.002	S15	1.4	0.087	0.021	0.4616	
4320 minute summer	S14	6.000	S15	0.0	-0.003	0.000	1.2716	
4320 minute summer	S15	3.004	S75	3.0	0.122	0.042	0.8021	
4320 minute summer	S75	1.003	S92	5.3	0.175	0.075	1.0245	
4320 minute summer	S87	7.000	S88	0.5	0.089	0.007	0.3238	
4320 minute summer	S88	7.001	S89	1.0	0.108	0.014	0.5623	
4320 minute summer	S89	7.002	S90	1.5	0.114	0.021	0.8457	
4320 minute summer	S90	7.003	S92	2.0	0.087	0.028	1.5191	
4320 minute summer	S92	1.005	S86	7.6	0.222	0.107	0.9510	
4320 minute summer	S81	8.000	S82	0.5	0.085	0.007	0.4045	
4320 minute summer	S82	8.001	S83	1.0	0.104	0.014	0.6649	
4320 minute summer	S83	8.002	S84	1.5	0.104	0.021	0.9632	
4320 minute summer	S84	8.003	S86	2.0	0.075	0.028	1.5926	
4320 minute summer	S86	1.006	S30	9.5	0.260	0.134	1.0224	
4320 minute summer	S76	9.000	S77	0.5	0.081	0.007	0.4669	
4320 minute summer	S77	9.001	S78	1.0	0.096	0.014	0.7510	

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Results for 1 year 4320 minute summer. 5760 minute analysis at 60 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
4320 minute summer	S78	2220	-0.276	0.085	1.5	0.2738	0.0000	OK
4320 minute summer	S79	2220	-0.277	0.105	2.0	0.3327	0.0000	OK
4320 minute summer	S30	2220	-0.277	0.130	11.6	0.3298	0.0000	OK
4320 minute summer	S31	2220	-0.290	0.046	0.5	0.1539	0.0000	OK
4320 minute summer	S32	2220	-0.290	0.089	1.0	0.2741	0.0000	OK
4320 minute summer	S33	2220	-0.291	0.132	12.6	0.3369	0.0000	OK
4320 minute summer	S34	2220	-0.306	0.133	12.9	0.2349	0.0000	OK
4320 minute summer	S35	2220	-0.329	0.137	12.9	0.2414	0.0000	OK
4320 minute summer	S36	2220	-0.337	0.105	0.2	0.1862	0.0000	OK
4320 minute summer	S37	2220	-0.337	0.134	14.0	0.6607	0.0000	OK
4320 minute summer	S38	2220	-0.382	0.134	13.9	0.2370	0.0000	OK
4320 minute summer	S39	2220	-0.425	0.137	13.9	0.2426	0.0000	OK
4320 minute summer	S56	2280	-0.432	0.127	0.0	0.2252	0.0000	OK
4320 minute summer	S57	2280	-0.432	0.133	13.9	0.3396	0.0000	OK
4320 minute summer	S125	5760	-0.432	0.123	0.0	0.2177	0.0000	OK
4320 minute summer	S127	5760	-0.432	0.147	13.9	0.3744	0.0000	OK
4320 minute summer	S119	4920	-0.432	0.137	0.0	0.2424	0.0000	OK
4320 minute summer	S60	5520	-0.432	0.161	13.8	0.4100	0.0000	OK
4320 minute summer	Pond Inlet 1	5580	-0.432	0.178	13.8	0.3146	0.0000	OK
4320 minute summer	Pond Outlet	5160	-0.432	0.178	6.9	0.2013	0.0000	OK
4320 minute summer	S13	5760	-0.432	0.206	0.0	0.7139	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	2220	0.512	0.012	0.2	0.1402	0.0000	OK
4320 minute summer	PP-S25	1860	0.507	0.007	0.1	0.0532	0.0000	OK
4320 minute summer	PP-S16	2100	0.509	0.009	0.2	0.0901	0.0000	OK
4320 minute summer	PP-S145	2220	0.510	0.010	0.3	0.1113	0.0000	OK
4320 minute summer	PP-S4	2100	0.510	0.010	0.2	0.1016	0.0000	OK
4320 minute summer	PP-S1	2220	0.515	0.015	0.6	2.0583	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	1.5	0.103	0.021	1.0624	
4320 minute summer	S79	9.003	S30	2.0	0.068	0.027	1.5990	
4320 minute summer	S30	1.007	S33	11.6	0.302	0.162	1.2133	
4320 minute summer	S31	10.000	S32	0.5	0.083	0.007	1.3226	
4320 minute summer	S32	10.001	S33	1.0	0.046	0.013	2.6286	
4320 minute summer	S33	1.008	S34	12.6	0.323	0.179	1.2571	
4320 minute summer	S34	1.009	S35	12.9	0.324	0.182	2.1396	
4320 minute summer	S35	1.010	S37	12.9	0.321	0.194	0.4546	
4320 minute summer	S36	11.000	S37	0.2	0.011	0.003	1.9533	
4320 minute summer	S37	1.011	S38	13.9	0.352	0.197	3.5841	
4320 minute summer	S38	1.012	S39	13.9	0.346	0.195	3.6376	
4320 minute summer	S39	1.013	S57	13.9	0.347	0.219	0.2988	
4320 minute summer	S56	12.011	S57	0.0	-0.007	0.001	0.4960	
4320 minute summer	S57	1.014	S127	13.9	0.361	0.196	1.1807	
4320 minute summer	S125	21.003	S127	0.0	-0.007	0.001	1.9762	
4320 minute summer	S127	1.015	S60	13.8	0.383	0.194	1.3279	
4320 minute summer	S119	22.003	S60	0.0	-0.004	0.001	2.2627	
4320 minute summer	S60	1.016	Pond Inlet 1	13.8	0.466	0.183	1.6299	
4320 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	6.9	0.004	0.000	914.4429	
4320 minute summer	Pond Outlet	1.018	S13	0.0	0.035	-0.001	0.3229	
4320 minute summer	S13	Pump	Final Outfall	0.0				0.0
4320 minute summer	PP-S26	1.000_1	S26	0.2	0.266	0.005	0.0075	
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	0.3	0.500	0.004	0.0030	
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	0.6	0.509	0.009	0.0056	

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Results for 1 year 4320 minute summer. 5760 minute analysis at 60 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
4320 minute summer	PP-S5	2160	0.511	0.011	0.3	0.1311	0.0000	OK
4320 minute summer	PP-S12	1920	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	2280	0.508	0.008	0.2	0.1482	0.0000	OK
4320 minute summer	PP-S15	1860	0.506	0.006	0.1	0.0373	0.0000	OK
4320 minute summer	PP-S75	1860	0.506	0.006	0.1	0.0412	0.0000	OK
4320 minute summer	PP-S24	2160	0.509	0.009	0.3	0.1160	0.0000	OK
4320 minute summer	PP-S30	1920	0.505	0.005	0.1	0.0392	0.0000	OK
4320 minute summer	PP-S33	1800	0.505	0.005	0.1	0.0325	0.0000	OK
4320 minute summer	PP-S34	2220	0.509	0.009	0.3	0.1114	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	2100	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	0.2	0.471	0.002	0.0021	
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	0.3	0.636	0.003	0.0024	
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: 99.95%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
4320 minute winter	S26	1620	-0.225	0.013	0.1	0.0227	0.0000	OK
4320 minute winter	S25	2280	-0.231	0.013	0.1	0.0336	0.0000	OK
4320 minute winter	S16	2220	-0.232	0.035	0.9	0.1546	0.0000	OK
4320 minute winter	S145	2280	-0.264	0.051	1.7	0.2183	0.0000	OK
4320 minute winter	S4	2160	-0.225	0.018	0.2	0.0311	0.0000	OK
4320 minute winter	S5	2220	-0.260	0.024	0.4	0.0423	0.0000	OK
4320 minute winter	S9	2280	-0.269	0.027	0.1	0.0612	0.0000	OK
4320 minute winter	S10	2280	-0.270	0.051	0.1	0.0908	0.0000	OK
4320 minute winter	S11	2280	-0.270	0.056	0.5	0.0996	0.0000	OK
4320 minute winter	S12	2280	-0.270	0.065	0.6	0.1150	0.0000	OK
4320 minute winter	S1	2460	-0.237	0.027	0.5	0.0627	0.0000	OK
4320 minute winter	S3	2280	-0.265	0.042	0.9	0.1335	0.0000	OK
4320 minute winter	S2	2280	-0.269	0.067	1.0	0.1175	0.0000	OK
4320 minute winter	S14	2280	-0.270	0.039	0.0	0.0686	0.0000	OK
4320 minute winter	S15	2280	-0.270	0.076	2.2	0.3413	0.0000	OK
4320 minute winter	S75	2280	-0.273	0.089	4.0	0.2272	0.0000	OK
4320 minute winter	S87	2160	-0.262	0.024	0.4	0.0776	0.0000	OK
4320 minute winter	S88	2280	-0.269	0.039	0.8	0.1261	0.0000	OK
4320 minute winter	S89	2280	-0.274	0.056	1.2	0.1822	0.0000	OK
4320 minute winter	S90	2280	-0.276	0.076	1.6	0.2411	0.0000	OK
4320 minute winter	S92	2280	-0.278	0.101	5.8	0.2571	0.0000	OK
4320 minute winter	S81	2280	-0.276	0.026	0.4	0.0855	0.0000	OK
4320 minute winter	S82	2280	-0.279	0.045	0.8	0.1453	0.0000	OK
4320 minute winter	S83	2280	-0.282	0.063	1.2	0.2039	0.0000	OK
4320 minute winter	S84	2280	-0.283	0.084	1.6	0.2650	0.0000	OK
4320 minute winter	S86	2280	-0.285	0.108	7.4	0.2759	0.0000	OK
4320 minute winter	S76	2280	-0.287	0.030	0.4	0.0955	0.0000	OK
4320 minute winter	S77	2280	-0.290	0.049	0.8	0.1594	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	0.047	0.001	0.1986	
4320 minute winter	S25	2.000	S16	0.1	0.038	0.001	0.1596	
4320 minute winter	S16	1.001	S145	0.9	0.122	0.013	0.7278	
4320 minute winter	S145	1.002	S75	1.7	0.119	0.024	1.5147	
4320 minute winter	S4	3.000	S5	0.2	0.078	0.003	0.2143	
4320 minute winter	S5	3.001	S11	0.4	0.100	0.006	0.6051	
4320 minute winter	S9	4.000	S10	0.1	0.060	0.002	0.3488	
4320 minute winter	S10	4.001	S11	0.1	0.035	0.002	0.0930	
4320 minute winter	S11	3.002	S12	0.5	0.081	0.007	0.2315	
4320 minute winter	S12	3.003	S15	0.6	0.052	0.009	0.3684	
4320 minute winter	S1	5.000	S3	0.5	0.106	0.007	0.4726	
4320 minute winter	S3	5.001	S2	0.9	0.104	0.013	0.6340	
4320 minute winter	S2	5.002	S15	1.0	0.087	0.015	0.3464	
4320 minute winter	S14	6.000	S15	0.0	-0.003	0.000	0.9050	
4320 minute winter	S15	3.004	S75	2.2	0.121	0.031	0.6242	
4320 minute winter	S75	1.003	S92	4.0	0.173	0.056	0.8218	
4320 minute winter	S87	7.000	S88	0.4	0.088	0.006	0.2112	
4320 minute winter	S88	7.001	S89	0.8	0.107	0.011	0.3885	
4320 minute winter	S89	7.002	S90	1.2	0.108	0.017	0.6275	
4320 minute winter	S90	7.003	S92	1.6	0.091	0.023	1.2023	
4320 minute winter	S92	1.005	S86	5.8	0.209	0.082	0.7774	
4320 minute winter	S81	8.000	S82	0.4	0.085	0.006	0.2572	
4320 minute winter	S82	8.001	S83	0.8	0.105	0.011	0.4690	
4320 minute winter	S83	8.002	S84	1.2	0.104	0.017	0.7316	
4320 minute winter	S84	8.003	S86	1.6	0.079	0.023	1.2820	
4320 minute winter	S86	1.006	S30	7.4	0.244	0.104	0.8455	
4320 minute winter	S76	9.000	S77	0.4	0.080	0.006	0.2979	
4320 minute winter	S77	9.001	S78	0.8	0.099	0.011	0.5394	

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Results for 1 year 4320 minute winter. 5760 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
4320 minute winter	S78	2280	-0.291	0.070	1.2	0.2237	0.0000	OK
4320 minute winter	S79	2280	-0.293	0.089	1.6	0.2825	0.0000	OK
4320 minute winter	S30	2280	-0.293	0.114	9.1	0.2890	0.0000	OK
4320 minute winter	S31	2280	-0.305	0.031	0.4	0.1027	0.0000	OK
4320 minute winter	S32	2280	-0.306	0.073	0.7	0.2240	0.0000	OK
4320 minute winter	S33	2280	-0.307	0.116	9.9	0.2956	0.0000	OK
4320 minute winter	S34	2280	-0.322	0.117	10.1	0.2060	0.0000	OK
4320 minute winter	S35	2220	-0.346	0.120	10.1	0.2127	0.0000	OK
4320 minute winter	S36	2220	-0.352	0.090	0.2	0.1583	0.0000	OK
4320 minute winter	S37	2220	-0.352	0.119	11.0	0.5828	0.0000	OK
4320 minute winter	S38	2220	-0.398	0.118	11.0	0.2091	0.0000	OK
4320 minute winter	S39	5340	-0.404	0.158	10.9	0.2792	0.0000	OK
4320 minute winter	S56	5700	-0.404	0.155	0.0	0.2740	0.0000	OK
4320 minute winter	S57	5700	-0.404	0.161	10.9	0.4098	0.0000	OK
4320 minute winter	S125	5520	-0.404	0.151	0.1	0.2669	0.0000	OK
4320 minute winter	S127	4980	-0.404	0.175	10.9	0.4454	0.0000	OK
4320 minute winter	S119	5460	-0.404	0.165	0.1	0.2917	0.0000	OK
4320 minute winter	S60	5340	-0.404	0.189	10.9	0.4811	0.0000	OK
4320 minute winter	Pond Inlet 1	5640	-0.404	0.206	10.9	0.3640	0.0000	OK
4320 minute winter	Pond Outlet	5760	-0.404	0.206	5.5	0.2330	0.0000	OK
4320 minute winter	S13	4740	-0.404	0.234	0.1	0.8107	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	1620	0.509	0.009	0.1	0.0816	0.0000	OK
4320 minute winter	PP-S25	1680	0.507	0.007	0.1	0.0532	0.0000	OK
4320 minute winter	PP-S16	2040	0.509	0.009	0.2	0.0901	0.0000	OK
4320 minute winter	PP-S145	1920	0.508	0.008	0.2	0.0795	0.0000	OK
4320 minute winter	PP-S4	2160	0.510	0.010	0.2	0.1016	0.0000	OK
4320 minute winter	PP-S1	2460	0.513	0.013	0.4	1.4681	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	1.2	0.102	0.017	0.8201	
4320 minute winter	S79	9.003	S30	1.6	0.071	0.022	1.3015	
4320 minute winter	S30	1.007	S33	9.1	0.286	0.128	1.0092	
4320 minute winter	S31	10.000	S32	0.4	0.088	0.006	0.9143	
4320 minute winter	S32	10.001	S33	0.7	0.042	0.010	2.1078	
4320 minute winter	S33	1.008	S34	9.9	0.305	0.140	1.0464	
4320 minute winter	S34	1.009	S35	10.1	0.304	0.142	1.7863	
4320 minute winter	S35	1.010	S37	10.1	0.301	0.152	0.3812	
4320 minute winter	S36	11.000	S37	0.2	0.011	0.003	1.6011	
4320 minute winter	S37	1.011	S38	11.0	0.329	0.155	3.0072	
4320 minute winter	S38	1.012	S39	10.9	0.321	0.153	3.6337	
4320 minute winter	S39	1.013	S57	10.9	0.320	0.173	0.3748	
4320 minute winter	S56	12.011	S57	0.0	-0.006	-0.001	0.6469	
4320 minute winter	S57	1.014	S127	10.9	0.331	0.155	1.5144	
4320 minute winter	S125	21.003	S127	-0.1	-0.031	-0.001	2.5555	
4320 minute winter	S127	1.015	S60	10.9	0.346	0.153	1.6631	
4320 minute winter	S119	22.003	S60	-0.1	-0.034	-0.001	2.8558	
4320 minute winter	S60	1.016	Pond Inlet 1	10.9	0.420	0.144	1.9972	
4320 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	5.5	0.007	0.000	1064.8617	
4320 minute winter	Pond Outlet	1.018	S13	-0.1	0.030	-0.001	0.3751	
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	0.2	0.337	0.004	0.0030	
4320 minute winter	PP-S1	4.000_1	S1	0.4	0.457	0.006	0.0044	

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Results for 1 year 4320 minute winter. 5760 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
4320 minute winter	PP-S5	1800	0.509	0.009	0.2	0.0941	0.0000	OK
4320 minute winter	PP-S12	1740	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	1620	0.506	0.006	0.1	0.0815	0.0000	OK
4320 minute winter	PP-S15	1680	0.506	0.006	0.1	0.0373	0.0000	OK
4320 minute winter	PP-S75	1680	0.506	0.006	0.1	0.0412	0.0000	OK
4320 minute winter	PP-S24	1800	0.508	0.008	0.2	0.0829	0.0000	OK
4320 minute winter	PP-S30	1740	0.505	0.005	0.1	0.0392	0.0000	OK
4320 minute winter	PP-S33	1560	0.505	0.005	0.1	0.0325	0.0000	OK
4320 minute winter	PP-S34	1920	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	2100	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 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	0.2	0.567	0.002	0.0018	

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Results for 1 year 5760 minute summer. 7200 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
5760 minute summer	S26	2520	-0.225	0.013	0.1	0.0227	0.0000	OK
5760 minute summer	S25	3000	-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	-0.261	0.054	1.8	0.2309	0.0000	OK
5760 minute summer	S4	2880	-0.225	0.018	0.2	0.0311	0.0000	OK
5760 minute summer	S5	2940	-0.257	0.027	0.5	0.0469	0.0000	OK
5760 minute summer	S9	2940	-0.266	0.030	0.1	0.0701	0.0000	OK
5760 minute summer	S10	2940	-0.266	0.055	0.1	0.0977	0.0000	OK
5760 minute summer	S11	2940	-0.266	0.060	0.6	0.1066	0.0000	OK
5760 minute summer	S12	2940	-0.266	0.069	0.7	0.1219	0.0000	OK
5760 minute summer	S1	2940	-0.233	0.031	0.7	0.0721	0.0000	OK
5760 minute summer	S3	2940	-0.261	0.046	1.1	0.1467	0.0000	OK
5760 minute summer	S2	2940	-0.266	0.070	1.2	0.1245	0.0000	OK
5760 minute summer	S14	2940	-0.266	0.043	0.0	0.0755	0.0000	OK
5760 minute summer	S15	2940	-0.266	0.080	2.5	0.3589	0.0000	OK
5760 minute summer	S75	2940	-0.269	0.093	4.4	0.2364	0.0000	OK
5760 minute summer	S87	2940	-0.262	0.024	0.4	0.0785	0.0000	OK
5760 minute summer	S88	2940	-0.268	0.040	0.8	0.1320	0.0000	OK
5760 minute summer	S89	2940	-0.271	0.059	1.2	0.1907	0.0000	OK
5760 minute summer	S90	2940	-0.273	0.079	1.6	0.2509	0.0000	OK
5760 minute summer	S92	2940	-0.275	0.104	6.3	0.2656	0.0000	OK
5760 minute summer	S81	3000	-0.274	0.028	0.4	0.0901	0.0000	OK
5760 minute summer	S82	2940	-0.277	0.047	0.8	0.1521	0.0000	OK
5760 minute summer	S83	2940	-0.279	0.066	1.2	0.2122	0.0000	OK
5760 minute summer	S84	2940	-0.281	0.086	1.6	0.2740	0.0000	OK
5760 minute summer	S86	2940	-0.282	0.111	7.8	0.2835	0.0000	OK
5760 minute summer	S76	3000	-0.285	0.032	0.4	0.1016	0.0000	OK
5760 minute summer	S77	3000	-0.287	0.052	0.8	0.1671	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	0.7686	
5760 minute summer	S145	1.002	S75	1.8	0.117	0.025	1.6180	
5760 minute summer	S4	3.000	S5	0.2	0.078	0.003	0.2366	
5760 minute summer	S5	3.001	S11	0.5	0.100	0.007	0.6759	
5760 minute summer	S9	4.000	S10	0.1	0.059	0.002	0.3987	
5760 minute summer	S10	4.001	S11	0.1	0.033	0.002	0.1031	
5760 minute summer	S11	3.002	S12	0.6	0.078	0.008	0.2532	
5760 minute summer	S12	3.003	S15	0.7	0.050	0.010	0.3978	
5760 minute summer	S1	5.000	S3	0.7	0.106	0.009	0.5561	
5760 minute summer	S3	5.001	S2	1.1	0.103	0.015	0.7026	
5760 minute summer	S2	5.002	S15	1.2	0.087	0.017	0.3741	
5760 minute summer	S14	6.000	S15	0.0	-0.006	0.000	0.9922	
5760 minute summer	S15	3.004	S75	2.5	0.122	0.035	0.6653	
5760 minute summer	S75	1.003	S92	4.4	0.174	0.062	0.8651	
5760 minute summer	S87	7.000	S88	0.4	0.090	0.006	0.2223	
5760 minute summer	S88	7.001	S89	0.8	0.108	0.011	0.4151	
5760 minute summer	S89	7.002	S90	1.2	0.113	0.017	0.6663	
5760 minute summer	S90	7.003	S92	1.6	0.091	0.023	1.2643	
5760 minute summer	S92	1.005	S86	6.3	0.215	0.088	0.8111	
5760 minute summer	S81	8.000	S82	0.4	0.085	0.006	0.2757	
5760 minute summer	S82	8.001	S83	0.8	0.105	0.012	0.4988	
5760 minute summer	S83	8.002	S84	1.2	0.104	0.017	0.7706	
5760 minute summer	S84	8.003	S86	1.6	0.077	0.023	1.3377	
5760 minute summer	S86	1.006	S30	7.8	0.249	0.110	0.8770	
5760 minute summer	S76	9.000	S77	0.4	0.081	0.006	0.3228	
5760 minute summer	S77	9.001	S78	0.8	0.102	0.011	0.5733	

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Results for 1 year 5760 minute summer. 7200 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
5760 minute summer	S78	3000	-0.289	0.072	1.2	0.2321	0.0000	OK
5760 minute summer	S79	3000	-0.290	0.092	1.6	0.2911	0.0000	OK
5760 minute summer	S30	2940	-0.291	0.116	9.5	0.2961	0.0000	OK
5760 minute summer	S31	3000	-0.302	0.034	0.4	0.1121	0.0000	OK
5760 minute summer	S32	3000	-0.303	0.076	0.8	0.2337	0.0000	OK
5760 minute summer	S33	3000	-0.304	0.119	10.4	0.3034	0.0000	OK
5760 minute summer	S34	3000	-0.319	0.120	10.6	0.2115	0.0000	OK
5760 minute summer	S35	3000	-0.343	0.123	10.6	0.2182	0.0000	OK
5760 minute summer	S36	3000	-0.349	0.093	0.2	0.1637	0.0000	OK
5760 minute summer	S37	3000	-0.349	0.122	11.5	0.5978	0.0000	OK
5760 minute summer	S38	3000	-0.395	0.121	11.5	0.2146	0.0000	OK
5760 minute summer	S39	6060	-0.429	0.133	11.5	0.2348	0.0000	OK
5760 minute summer	S56	6780	-0.429	0.130	0.0	0.2295	0.0000	OK
5760 minute summer	S57	7080	-0.429	0.136	11.5	0.3457	0.0000	OK
5760 minute summer	S125	6660	-0.429	0.126	0.1	0.2226	0.0000	OK
5760 minute summer	S127	7140	-0.429	0.150	11.5	0.3814	0.0000	OK
5760 minute summer	S119	6060	-0.429	0.140	0.1	0.2473	0.0000	OK
5760 minute summer	S60	6780	-0.429	0.164	11.5	0.4170	0.0000	OK
5760 minute summer	Pond Inlet 1	6840	-0.429	0.181	11.5	0.3195	0.0000	OK
5760 minute summer	Pond Outlet	7200	-0.429	0.181	5.8	0.2045	0.0000	OK
5760 minute summer	S13	6480	-0.429	0.209	0.0	0.7236	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	2520	0.509	0.009	0.1	0.0816	0.0000	OK
5760 minute summer	PP-S25	2520	0.507	0.007	0.1	0.0532	0.0000	OK
5760 minute summer	PP-S16	2880	0.509	0.009	0.2	0.0901	0.0000	OK
5760 minute summer	PP-S145	2760	0.508	0.008	0.2	0.0795	0.0000	OK
5760 minute summer	PP-S4	2880	0.510	0.010	0.2	0.1016	0.0000	OK
5760 minute summer	PP-S1	2940	0.514	0.014	0.5	1.7294	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	0.8605	
5760 minute summer	S79	9.003	S30	1.6	0.068	0.023	1.3521	
5760 minute summer	S30	1.007	S33	9.5	0.288	0.134	1.0454	
5760 minute summer	S31	10.000	S32	0.4	0.083	0.006	0.9886	
5760 minute summer	S32	10.001	S33	0.8	0.046	0.011	2.2044	
5760 minute summer	S33	1.008	S34	10.4	0.309	0.147	1.0854	
5760 minute summer	S34	1.009	S35	10.6	0.307	0.149	1.8535	
5760 minute summer	S35	1.010	S37	10.6	0.304	0.159	0.3952	
5760 minute summer	S36	11.000	S37	0.2	0.011	0.003	1.6679	
5760 minute summer	S37	1.011	S38	11.5	0.334	0.163	3.1185	
5760 minute summer	S38	1.012	S39	11.5	0.327	0.161	3.1880	
5760 minute summer	S39	1.013	S57	11.5	0.326	0.182	0.2958	
5760 minute summer	S56	12.011	S57	0.0	-0.004	-0.001	0.5090	
5760 minute summer	S57	1.014	S127	11.5	0.338	0.163	1.2128	
5760 minute summer	S125	21.003	S127	-0.1	-0.009	-0.001	2.0315	
5760 minute summer	S127	1.015	S60	11.5	0.356	0.162	1.3607	
5760 minute summer	S119	22.003	S60	-0.1	-0.005	-0.002	2.3205	
5760 minute summer	S60	1.016	Pond Inlet 1	11.5	0.422	0.152	1.6660	
5760 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	5.8	0.002	0.000	929.2656	
5760 minute summer	Pond Outlet	1.018	S13	0.0	0.022	-0.001	0.3283	
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	0.5	0.482	0.007	0.0049	

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Results for 1 year 5760 minute summer. 7200 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
5760 minute summer	PP-S5	2940	0.511	0.011	0.3	0.1311	0.0000	OK
5760 minute summer	PP-S12	2580	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	2520	0.506	0.006	0.1	0.0815	0.0000	OK
5760 minute summer	PP-S15	2520	0.506	0.006	0.1	0.0373	0.0000	OK
5760 minute summer	PP-S75	2520	0.506	0.006	0.1	0.0412	0.0000	OK
5760 minute summer	PP-S24	2940	0.509	0.009	0.3	0.1160	0.0000	OK
5760 minute summer	PP-S30	2580	0.505	0.005	0.1	0.0392	0.0000	OK
5760 minute summer	PP-S33	2460	0.505	0.005	0.1	0.0325	0.0000	OK
5760 minute summer	PP-S34	2760	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	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)
5760 minute summer	PP-S5	2.000_2	S5	0.3	0.455	0.004	0.0033	
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	0.3	0.575	0.003	0.0026	
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: 99.92%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
5760 minute winter	S26	2280	-0.225	0.013	0.1	0.0227	0.0000	OK
5760 minute winter	S25	2340	-0.231	0.013	0.1	0.0328	0.0000	OK
5760 minute winter	S16	2880	-0.236	0.031	0.7	0.1380	0.0000	OK
5760 minute winter	S145	2880	-0.272	0.043	1.4	0.1855	0.0000	OK
5760 minute winter	S4	1980	-0.230	0.013	0.1	0.0228	0.0000	OK
5760 minute winter	S5	2640	-0.263	0.021	0.3	0.0371	0.0000	OK
5760 minute winter	S9	3120	-0.280	0.016	0.1	0.0378	0.0000	OK
5760 minute winter	S10	3120	-0.280	0.041	0.1	0.0719	0.0000	OK
5760 minute winter	S11	3120	-0.280	0.046	0.4	0.0807	0.0000	OK
5760 minute winter	S12	3120	-0.281	0.054	0.5	0.0959	0.0000	OK
5760 minute winter	S1	3300	-0.240	0.024	0.4	0.0564	0.0000	OK
5760 minute winter	S3	3120	-0.274	0.033	0.7	0.1048	0.0000	OK
5760 minute winter	S2	3120	-0.280	0.056	0.8	0.0985	0.0000	OK
5760 minute winter	S14	3120	-0.281	0.028	0.0	0.0493	0.0000	OK
5760 minute winter	S15	3120	-0.281	0.065	1.8	0.2921	0.0000	OK
5760 minute winter	S75	3120	-0.284	0.078	3.3	0.1980	0.0000	OK
5760 minute winter	S87	2640	-0.265	0.021	0.3	0.0681	0.0000	OK
5760 minute winter	S88	3120	-0.278	0.030	0.6	0.0970	0.0000	OK
5760 minute winter	S89	3120	-0.285	0.045	0.9	0.1448	0.0000	OK
5760 minute winter	S90	3120	-0.289	0.063	1.2	0.2021	0.0000	OK
5760 minute winter	S92	3120	-0.290	0.089	4.7	0.2258	0.0000	OK
5760 minute winter	S81	2640	-0.281	0.021	0.3	0.0678	0.0000	OK
5760 minute winter	S82	3120	-0.290	0.034	0.6	0.1097	0.0000	OK
5760 minute winter	S83	3120	-0.294	0.051	0.9	0.1636	0.0000	OK
5760 minute winter	S84	3120	-0.296	0.071	1.2	0.2243	0.0000	OK
5760 minute winter	S86	3120	-0.297	0.096	5.9	0.2432	0.0000	OK
5760 minute winter	S76	2640	-0.296	0.021	0.3	0.0675	0.0000	OK
5760 minute winter	S77	3120	-0.302	0.037	0.6	0.1205	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	0.1726	
5760 minute winter	S25	2.000	S16	0.1	0.042	0.001	0.1377	
5760 minute winter	S16	1.001	S145	0.7	0.114	0.010	0.5874	
5760 minute winter	S145	1.002	S75	1.4	0.111	0.020	1.2278	
5760 minute winter	S4	3.000	S5	0.1	0.063	0.001	0.1586	
5760 minute winter	S5	3.001	S11	0.3	0.101	0.004	0.4545	
5760 minute winter	S9	4.000	S10	0.1	0.060	0.002	0.2244	
5760 minute winter	S10	4.001	S11	0.1	0.035	0.002	0.0670	
5760 minute winter	S11	3.002	S12	0.4	0.085	0.006	0.1739	
5760 minute winter	S12	3.003	S15	0.5	0.054	0.008	0.2887	
5760 minute winter	S1	5.000	S3	0.4	0.107	0.006	0.3553	
5760 minute winter	S3	5.001	S2	0.7	0.104	0.010	0.4742	
5760 minute winter	S2	5.002	S15	0.8	0.087	0.012	0.2725	
5760 minute winter	S14	6.000	S15	0.0	-0.003	0.000	0.6760	
5760 minute winter	S15	3.004	S75	1.8	0.121	0.025	0.5059	
5760 minute winter	S75	1.003	S92	3.3	0.170	0.046	0.6787	
5760 minute winter	S87	7.000	S88	0.3	0.087	0.004	0.1520	
5760 minute winter	S88	7.001	S89	0.6	0.107	0.008	0.2713	
5760 minute winter	S89	7.002	S90	0.9	0.108	0.013	0.4706	
5760 minute winter	S90	7.003	S92	1.2	0.091	0.017	0.9714	
5760 minute winter	S92	1.005	S86	4.7	0.202	0.066	0.6479	
5760 minute winter	S81	8.000	S82	0.3	0.082	0.004	0.1729	
5760 minute winter	S82	8.001	S83	0.6	0.105	0.009	0.3278	
5760 minute winter	S83	8.002	S84	0.9	0.103	0.013	0.5561	
5760 minute winter	S84	8.003	S86	1.2	0.078	0.017	1.0452	
5760 minute winter	S86	1.006	S30	5.9	0.232	0.083	0.7090	
5760 minute winter	S76	9.000	S77	0.3	0.079	0.004	0.1911	
5760 minute winter	S77	9.001	S78	0.6	0.099	0.008	0.3844	

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Results for 1 year 5760 minute winter. 7200 minute analysis at 60 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
5760 minute winter	S78	3120	-0.304	0.057	0.9	0.1823	0.0000	OK
5760 minute winter	S79	3120	-0.306	0.076	1.2	0.2412	0.0000	OK
5760 minute winter	S30	3120	-0.306	0.101	7.2	0.2558	0.0000	OK
5760 minute winter	S31	2580	-0.315	0.021	0.3	0.0698	0.0000	OK
5760 minute winter	S32	3120	-0.319	0.060	0.6	0.1845	0.0000	OK
5760 minute winter	S33	3120	-0.320	0.103	7.9	0.2628	0.0000	OK
5760 minute winter	S34	3120	-0.335	0.104	8.1	0.1833	0.0000	OK
5760 minute winter	S35	3120	-0.359	0.107	8.1	0.1893	0.0000	OK
5760 minute winter	S36	3120	-0.366	0.076	0.1	0.1350	0.0000	OK
5760 minute winter	S37	3120	-0.366	0.105	8.7	0.5182	0.0000	OK
5760 minute winter	S38	6780	-0.387	0.129	8.7	0.2271	0.0000	OK
5760 minute winter	S39	6780	-0.387	0.175	8.7	0.3084	0.0000	OK
5760 minute winter	S56	5880	-0.387	0.172	0.0	0.3031	0.0000	OK
5760 minute winter	S57	6120	-0.387	0.178	8.7	0.4518	0.0000	OK
5760 minute winter	S125	6660	-0.387	0.168	0.0	0.2960	0.0000	OK
5760 minute winter	S127	6120	-0.388	0.191	8.7	0.4873	0.0000	OK
5760 minute winter	S119	6780	-0.387	0.182	0.0	0.3208	0.0000	OK
5760 minute winter	S60	6780	-0.388	0.205	8.7	0.5229	0.0000	OK
5760 minute winter	Pond Inlet 1	7140	-0.388	0.222	8.6	0.3930	0.0000	OK
5760 minute winter	Pond Outlet	7200	-0.388	0.222	4.4	0.2516	0.0000	OK
5760 minute winter	S13	6180	-0.388	0.250	0.1	0.8677	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	2280	0.509	0.009	0.1	0.0816	0.0000	OK
5760 minute winter	PP-S25	2340	0.507	0.007	0.1	0.0532	0.0000	OK
5760 minute winter	PP-S16	1860	0.507	0.007	0.1	0.0509	0.0000	OK
5760 minute winter	PP-S145	2760	0.508	0.008	0.2	0.0795	0.0000	OK
5760 minute winter	PP-S4	1920	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	0.6352	
5760 minute winter	S79	9.003	S30	1.2	0.067	0.017	1.0704	
5760 minute winter	S30	1.007	S33	7.2	0.269	0.101	0.8514	
5760 minute winter	S31	10.000	S32	0.3	0.088	0.004	0.6495	
5760 minute winter	S32	10.001	S33	0.6	0.037	0.008	1.7178	
5760 minute winter	S33	1.008	S34	7.9	0.288	0.112	0.8863	
5760 minute winter	S34	1.009	S35	8.1	0.287	0.114	1.5151	
5760 minute winter	S35	1.010	S37	8.1	0.284	0.122	0.3231	
5760 minute winter	S36	11.000	S37	0.1	0.011	0.002	1.3231	
5760 minute winter	S37	1.011	S38	8.7	0.309	0.123	2.5999	
5760 minute winter	S38	1.012	S39	8.7	0.301	0.122	4.2524	
5760 minute winter	S39	1.013	S57	8.7	0.298	0.137	0.4281	
5760 minute winter	S56	12.011	S57	0.0	-0.005	-0.001	0.7397	
5760 minute winter	S57	1.014	S127	8.7	0.308	0.123	1.7173	
5760 minute winter	S125	21.003	S127	0.0	-0.006	0.001	2.9088	
5760 minute winter	S127	1.015	S60	8.7	0.320	0.122	1.8652	
5760 minute winter	S119	22.003	S60	0.1	-0.005	0.001	3.2141	
5760 minute winter	S60	1.016	Pond Inlet 1	8.6	0.363	0.114	2.2164	
5760 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	4.3	0.007	0.000	1154.4600	
5760 minute winter	Pond Outlet	1.018	S13	0.1	0.063	0.001	0.4034	
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	0.2	0.446	0.002	0.0022	
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: 99.92%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
5760 minute winter	PP-S5	2580	0.509	0.009	0.2	0.0941	0.0000	OK
5760 minute winter	PP-S12	2460	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	2220	0.506	0.006	0.1	0.0815	0.0000	OK
5760 minute winter	PP-S15	2340	0.506	0.006	0.1	0.0373	0.0000	OK
5760 minute winter	PP-S75	2340	0.506	0.006	0.1	0.0412	0.0000	OK
5760 minute winter	PP-S24	2580	0.508	0.008	0.2	0.0829	0.0000	OK
5760 minute winter	PP-S30	2400	0.505	0.005	0.1	0.0392	0.0000	OK
5760 minute winter	PP-S33	2220	0.505	0.005	0.1	0.0325	0.0000	OK
5760 minute winter	PP-S34	2760	0.507	0.007	0.2	0.0793	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	1980	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	0.2	0.565	0.002	0.0018	
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: 99.93%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
7200 minute summer	S26	3180	-0.225	0.013	0.1	0.0227	0.0000	OK
7200 minute summer	S25	3240	-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	-0.268	0.047	1.6	0.2019	0.0000	OK
7200 minute summer	S4	3660	-0.225	0.018	0.2	0.0311	0.0000	OK
7200 minute summer	S5	3660	-0.260	0.024	0.4	0.0422	0.0000	OK
7200 minute summer	S9	3660	-0.274	0.022	0.1	0.0508	0.0000	OK
7200 minute summer	S10	3660	-0.274	0.047	0.1	0.0826	0.0000	OK
7200 minute summer	S11	3660	-0.274	0.052	0.5	0.0914	0.0000	OK
7200 minute summer	S12	3660	-0.275	0.060	0.6	0.1067	0.0000	OK
7200 minute summer	S1	3720	-0.237	0.027	0.5	0.0625	0.0000	OK
7200 minute summer	S3	3660	-0.270	0.037	0.8	0.1198	0.0000	OK
7200 minute summer	S2	3660	-0.274	0.062	0.9	0.1091	0.0000	OK
7200 minute summer	S14	3660	-0.275	0.034	0.0	0.0601	0.0000	OK
7200 minute summer	S15	3660	-0.275	0.071	2.1	0.3197	0.0000	OK
7200 minute summer	S75	3660	-0.278	0.084	3.7	0.2142	0.0000	OK
7200 minute summer	S87	3420	-0.265	0.021	0.3	0.0681	0.0000	OK
7200 minute summer	S88	3660	-0.274	0.034	0.7	0.1119	0.0000	OK
7200 minute summer	S89	3660	-0.279	0.051	1.1	0.1653	0.0000	OK
7200 minute summer	S90	3660	-0.282	0.070	1.4	0.2230	0.0000	OK
7200 minute summer	S92	3660	-0.284	0.095	5.3	0.2427	0.0000	OK
7200 minute summer	S81	3660	-0.280	0.022	0.3	0.0697	0.0000	OK
7200 minute summer	S82	3660	-0.285	0.039	0.7	0.1282	0.0000	OK
7200 minute summer	S83	3660	-0.288	0.057	1.1	0.1852	0.0000	OK
7200 minute summer	S84	3660	-0.289	0.078	1.4	0.2458	0.0000	OK
7200 minute summer	S86	3660	-0.291	0.102	6.7	0.2606	0.0000	OK
7200 minute summer	S76	3660	-0.293	0.024	0.3	0.0776	0.0000	OK
7200 minute summer	S77	3660	-0.295	0.044	0.7	0.1408	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	0.6575	
7200 minute summer	S145	1.002	S75	1.6	0.118	0.023	1.3802	
7200 minute summer	S4	3.000	S5	0.2	0.078	0.003	0.2143	
7200 minute summer	S5	3.001	S11	0.4	0.101	0.006	0.5487	
7200 minute summer	S9	4.000	S10	0.1	0.060	0.002	0.2925	
7200 minute summer	S10	4.001	S11	0.1	0.034	0.002	0.0814	
7200 minute summer	S11	3.002	S12	0.5	0.085	0.007	0.2057	
7200 minute summer	S12	3.003	S15	0.6	0.054	0.009	0.3326	
7200 minute summer	S1	5.000	S3	0.5	0.106	0.007	0.4243	
7200 minute summer	S3	5.001	S2	0.8	0.103	0.011	0.5589	
7200 minute summer	S2	5.002	S15	0.9	0.087	0.013	0.3130	
7200 minute summer	S14	6.000	S15	0.0	-0.003	0.000	0.8020	
7200 minute summer	S15	3.004	S75	2.1	0.121	0.029	0.5710	
7200 minute summer	S75	1.003	S92	3.8	0.171	0.053	0.7564	
7200 minute summer	S87	7.000	S88	0.3	0.088	0.004	0.1757	
7200 minute summer	S88	7.001	S89	0.7	0.107	0.010	0.3325	
7200 minute summer	S89	7.002	S90	1.1	0.112	0.015	0.5531	
7200 minute summer	S90	7.003	S92	1.4	0.091	0.020	1.0937	
7200 minute summer	S92	1.005	S86	5.3	0.208	0.075	0.7168	
7200 minute summer	S81	8.000	S82	0.3	0.085	0.004	0.2051	
7200 minute summer	S82	8.001	S83	0.7	0.104	0.010	0.4001	
7200 minute summer	S83	8.002	S84	1.1	0.104	0.015	0.6479	
7200 minute summer	S84	8.003	S86	1.4	0.077	0.019	1.1694	
7200 minute summer	S86	1.006	S30	6.7	0.239	0.094	0.7807	
7200 minute summer	S76	9.000	S77	0.3	0.080	0.004	0.2399	
7200 minute summer	S77	9.001	S78	0.7	0.096	0.010	0.4649	

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Results for 1 year 7200 minute summer. 8640 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
7200 minute summer	S78	3660	-0.297	0.064	1.1	0.2043	0.0000	OK
7200 minute summer	S79	3660	-0.299	0.083	1.4	0.2630	0.0000	OK
7200 minute summer	S30	3660	-0.300	0.107	8.2	0.2734	0.0000	OK
7200 minute summer	S31	3660	-0.310	0.026	0.4	0.0859	0.0000	OK
7200 minute summer	S32	3660	-0.312	0.067	0.7	0.2057	0.0000	OK
7200 minute summer	S33	3660	-0.313	0.110	8.9	0.2803	0.0000	OK
7200 minute summer	S34	3660	-0.328	0.111	9.1	0.1955	0.0000	OK
7200 minute summer	S35	3660	-0.352	0.114	9.1	0.2020	0.0000	OK
7200 minute summer	S36	3660	-0.358	0.084	0.2	0.1477	0.0000	OK
7200 minute summer	S37	3660	-0.358	0.113	9.9	0.5534	0.0000	OK
7200 minute summer	S38	3660	-0.404	0.112	9.9	0.1981	0.0000	OK
7200 minute summer	S39	8580	-0.429	0.133	9.9	0.2349	0.0000	OK
7200 minute summer	S56	8520	-0.429	0.130	0.0	0.2296	0.0000	OK
7200 minute summer	S57	8580	-0.429	0.136	9.9	0.3460	0.0000	OK
7200 minute summer	S125	8460	-0.429	0.126	0.0	0.2225	0.0000	OK
7200 minute summer	S127	8580	-0.429	0.150	9.9	0.3815	0.0000	OK
7200 minute summer	S119	8160	-0.429	0.140	0.0	0.2473	0.0000	OK
7200 minute summer	S60	7680	-0.429	0.164	9.8	0.4171	0.0000	OK
7200 minute summer	Pond Inlet 1	8160	-0.429	0.181	9.8	0.3195	0.0000	OK
7200 minute summer	Pond Outlet	7620	-0.429	0.181	4.9	0.2045	0.0000	OK
7200 minute summer	S13	8100	-0.429	0.209	0.1	0.7236	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	3180	0.509	0.009	0.1	0.0816	0.0000	OK
7200 minute summer	PP-S25	3240	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	3540	0.508	0.008	0.2	0.0795	0.0000	OK
7200 minute summer	PP-S4	3660	0.510	0.010	0.2	0.1016	0.0000	OK
7200 minute summer	PP-S1	3720	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)
7200 minute summer	S78	9.002	S79	1.1	0.102	0.016	0.7321	
7200 minute summer	S79	9.003	S30	1.4	0.068	0.019	1.1912	
7200 minute summer	S30	1.007	S33	8.2	0.277	0.115	0.9342	
7200 minute summer	S31	10.000	S32	0.4	0.083	0.006	0.7847	
7200 minute summer	S32	10.001	S33	0.7	0.042	0.010	1.9235	
7200 minute summer	S33	1.008	S34	8.9	0.297	0.127	0.9708	
7200 minute summer	S34	1.009	S35	9.1	0.295	0.129	1.6602	
7200 minute summer	S35	1.010	S37	9.1	0.292	0.137	0.3545	
7200 minute summer	S36	11.000	S37	0.2	0.011	0.003	1.4734	
7200 minute summer	S37	1.011	S38	9.9	0.321	0.140	2.7917	
7200 minute summer	S38	1.012	S39	9.9	0.313	0.138	2.8519	
7200 minute summer	S39	1.013	S57	9.9	0.312	0.156	0.2961	
7200 minute summer	S56	12.011	S57	0.0	-0.003	0.000	0.5094	
7200 minute summer	S57	1.014	S127	9.9	0.323	0.139	1.2141	
7200 minute summer	S125	21.003	S127	0.0	-0.009	-0.001	2.0318	
7200 minute summer	S127	1.015	S60	9.8	0.338	0.138	1.3610	
7200 minute summer	S119	22.003	S60	0.1	-0.005	0.001	2.3212	
7200 minute summer	S60	1.016	Pond Inlet 1	9.8	0.398	0.130	1.6664	
7200 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	4.9	0.002	0.000	929.4375	
7200 minute summer	Pond Outlet	1.018	S13	0.1	0.026	0.001	0.3283	
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	0.2	0.337	0.004	0.0030	
7200 minute summer	PP-S1	4.000_1	S1	0.4	0.456	0.006	0.0044	

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Results for 1 year 7200 minute summer. 8640 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
7200 minute summer	PP-S5	3420	0.509	0.009	0.2	0.0941	0.0000	OK
7200 minute summer	PP-S12	3360	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	3180	0.506	0.006	0.1	0.0815	0.0000	OK
7200 minute summer	PP-S15	3240	0.506	0.006	0.1	0.0373	0.0000	OK
7200 minute summer	PP-S75	3240	0.506	0.006	0.1	0.0412	0.0000	OK
7200 minute summer	PP-S24	3420	0.508	0.008	0.2	0.0829	0.0000	OK
7200 minute summer	PP-S30	3300	0.505	0.005	0.1	0.0392	0.0000	OK
7200 minute summer	PP-S33	3120	0.505	0.005	0.1	0.0325	0.0000	OK
7200 minute summer	PP-S34	3540	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	3660	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 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	0.2	0.567	0.002	0.0018	

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Results for 1 year 7200 minute winter. 8640 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
7200 minute winter	S26	2940	-0.225	0.013	0.1	0.0227	0.0000	OK
7200 minute winter	S25	3060	-0.231	0.013	0.1	0.0328	0.0000	OK
7200 minute winter	S16	3240	-0.238	0.029	0.6	0.1287	0.0000	OK
7200 minute winter	S145	3240	-0.277	0.038	1.1	0.1657	0.0000	OK
7200 minute winter	S4	2580	-0.230	0.013	0.1	0.0228	0.0000	OK
7200 minute winter	S5	3480	-0.263	0.021	0.3	0.0371	0.0000	OK
7200 minute winter	S9	2700	-0.283	0.013	0.1	0.0297	0.0000	OK
7200 minute winter	S10	3720	-0.287	0.034	0.1	0.0607	0.0000	OK
7200 minute winter	S11	3720	-0.287	0.039	0.4	0.0694	0.0000	OK
7200 minute winter	S12	3720	-0.287	0.048	0.5	0.0841	0.0000	OK
7200 minute winter	S1	3960	-0.240	0.024	0.4	0.0564	0.0000	OK
7200 minute winter	S3	3960	-0.278	0.029	0.6	0.0931	0.0000	OK
7200 minute winter	S2	3720	-0.287	0.049	0.7	0.0867	0.0000	OK
7200 minute winter	S14	3720	-0.288	0.021	0.0	0.0371	0.0000	OK
7200 minute winter	S15	3720	-0.288	0.058	1.6	0.2609	0.0000	OK
7200 minute winter	S75	3720	-0.292	0.070	2.8	0.1787	0.0000	OK
7200 minute winter	S87	2760	-0.268	0.018	0.2	0.0568	0.0000	OK
7200 minute winter	S88	3660	-0.281	0.027	0.5	0.0866	0.0000	OK
7200 minute winter	S89	3720	-0.292	0.038	0.8	0.1239	0.0000	OK
7200 minute winter	S90	3720	-0.296	0.056	1.0	0.1770	0.0000	OK
7200 minute winter	S92	3720	-0.298	0.081	4.0	0.2053	0.0000	OK
7200 minute winter	S81	2760	-0.284	0.018	0.2	0.0565	0.0000	OK
7200 minute winter	S82	3720	-0.296	0.028	0.5	0.0912	0.0000	OK
7200 minute winter	S83	3720	-0.302	0.043	0.8	0.1395	0.0000	OK
7200 minute winter	S84	3720	-0.305	0.062	1.0	0.1979	0.0000	OK
7200 minute winter	S86	3720	-0.306	0.087	5.0	0.2218	0.0000	OK
7200 minute winter	S76	2760	-0.299	0.018	0.2	0.0563	0.0000	OK
7200 minute winter	S77	3720	-0.309	0.030	0.5	0.0983	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	0.112	0.016	1.0512	
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	0.3843	
7200 minute winter	S9	4.000	S10	0.1	0.061	0.001	0.1710	
7200 minute winter	S10	4.001	S11	0.1	0.038	0.001	0.0529	
7200 minute winter	S11	3.002	S12	0.4	0.086	0.006	0.1412	
7200 minute winter	S12	3.003	S15	0.5	0.058	0.007	0.2416	
7200 minute winter	S1	5.000	S3	0.4	0.107	0.006	0.3188	
7200 minute winter	S3	5.001	S2	0.6	0.103	0.008	0.3926	
7200 minute winter	S2	5.002	S15	0.7	0.087	0.010	0.2283	
7200 minute winter	S14	6.000	S15	0.0	-0.003	0.000	0.5431	
7200 minute winter	S15	3.004	S75	1.6	0.122	0.023	0.4327	
7200 minute winter	S75	1.003	S92	2.8	0.170	0.040	0.5886	
7200 minute winter	S87	7.000	S88	0.2	0.079	0.003	0.1238	
7200 minute winter	S88	7.001	S89	0.5	0.107	0.007	0.2206	
7200 minute winter	S89	7.002	S90	0.8	0.108	0.011	0.3821	
7200 minute winter	S90	7.003	S92	1.0	0.087	0.014	0.8293	
7200 minute winter	S92	1.005	S86	4.0	0.200	0.056	0.5667	
7200 minute winter	S81	8.000	S82	0.2	0.078	0.003	0.1306	
7200 minute winter	S82	8.001	S83	0.5	0.105	0.007	0.2555	
7200 minute winter	S83	8.002	S84	0.8	0.104	0.011	0.4549	
7200 minute winter	S84	8.003	S86	1.0	0.075	0.014	0.8989	
7200 minute winter	S86	1.006	S30	5.0	0.224	0.070	0.6230	
7200 minute winter	S76	9.000	S77	0.2	0.079	0.003	0.1414	
7200 minute winter	S77	9.001	S78	0.5	0.099	0.007	0.2980	

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Results for 1 year 7200 minute winter. 8640 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
7200 minute winter	S78	3720	-0.312	0.049	0.8	0.1564	0.0000	OK
7200 minute winter	S79	3720	-0.314	0.068	1.0	0.2142	0.0000	OK
7200 minute winter	S30	3720	-0.315	0.092	6.1	0.2340	0.0000	OK
7200 minute winter	S31	3480	-0.315	0.021	0.3	0.0698	0.0000	OK
7200 minute winter	S32	3720	-0.328	0.051	0.5	0.1576	0.0000	OK
7200 minute winter	S33	3720	-0.329	0.094	6.7	0.2405	0.0000	OK
7200 minute winter	S34	3720	-0.344	0.095	6.8	0.1673	0.0000	OK
7200 minute winter	S35	3720	-0.368	0.098	6.8	0.1731	0.0000	OK
7200 minute winter	S36	3720	-0.375	0.067	0.1	0.1192	0.0000	OK
7200 minute winter	S37	3720	-0.375	0.096	7.3	0.4741	0.0000	OK
7200 minute winter	S38	7440	-0.401	0.115	7.3	0.2025	0.0000	OK
7200 minute winter	S39	7800	-0.401	0.161	7.3	0.2837	0.0000	OK
7200 minute winter	S56	7680	-0.401	0.158	0.0	0.2785	0.0000	OK
7200 minute winter	S57	8340	-0.401	0.164	7.3	0.4163	0.0000	OK
7200 minute winter	S125	7320	-0.401	0.154	0.1	0.2715	0.0000	OK
7200 minute winter	S127	8040	-0.401	0.178	7.3	0.4520	0.0000	OK
7200 minute winter	S119	7440	-0.401	0.168	0.1	0.2963	0.0000	OK
7200 minute winter	S60	8580	-0.401	0.192	7.3	0.4875	0.0000	OK
7200 minute winter	Pond Inlet 1	7800	-0.401	0.209	7.2	0.3684	0.0000	OK
7200 minute winter	Pond Outlet	8160	-0.401	0.209	3.6	0.2358	0.0000	OK
7200 minute winter	S13	8160	-0.401	0.237	0.1	0.8197	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	2940	0.509	0.009	0.1	0.0816	0.0000	OK
7200 minute winter	PP-S25	3060	0.507	0.007	0.1	0.0532	0.0000	OK
7200 minute winter	PP-S16	2460	0.507	0.007	0.1	0.0509	0.0000	OK
7200 minute winter	PP-S145	2340	0.506	0.006	0.1	0.0456	0.0000	OK
7200 minute winter	PP-S4	2520	0.507	0.007	0.1	0.0582	0.0000	OK
7200 minute winter	PP-S1	3960	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)
7200 minute winter	S78	9.002	S79	0.8	0.103	0.011	0.5235	
7200 minute winter	S79	9.003	S30	1.0	0.068	0.014	0.9259	
7200 minute winter	S30	1.007	S33	6.1	0.258	0.086	0.7502	
7200 minute winter	S31	10.000	S32	0.3	0.084	0.004	0.5388	
7200 minute winter	S32	10.001	S33	0.5	0.044	0.007	1.4671	
7200 minute winter	S33	1.008	S34	6.7	0.277	0.095	0.7797	
7200 minute winter	S34	1.009	S35	6.8	0.274	0.096	1.3322	
7200 minute winter	S35	1.010	S37	6.8	0.271	0.102	0.2846	
7200 minute winter	S36	11.000	S37	0.1	0.011	0.002	1.1417	
7200 minute winter	S37	1.011	S38	7.3	0.295	0.103	2.2385	
7200 minute winter	S38	1.012	S39	7.3	0.285	0.102	3.7283	
7200 minute winter	S39	1.013	S57	7.3	0.279	0.115	0.3830	
7200 minute winter	S56	12.011	S57	0.0	-0.005	-0.001	0.6610	
7200 minute winter	S57	1.014	S127	7.3	0.283	0.103	1.5457	
7200 minute winter	S125	21.003	S127	-0.1	-0.009	-0.001	2.6107	
7200 minute winter	S127	1.015	S60	7.3	0.293	0.102	1.6945	
7200 minute winter	S119	22.003	S60	-0.1	-0.005	-0.002	2.9114	
7200 minute winter	S60	1.016	Pond Inlet 1	7.2	0.368	0.096	2.0310	
7200 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	3.6	0.002	0.000	1078.6987	
7200 minute winter	Pond Outlet	1.018	S13	-0.1	0.025	-0.001	0.3797	
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	0.420	0.005	0.0036	

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Results for 1 year 7200 minute winter. 8640 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
7200 minute winter	PP-S5	3420	0.509	0.009	0.2	0.0941	0.0000	OK
7200 minute winter	PP-S12	3300	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	2880	0.506	0.006	0.1	0.0815	0.0000	OK
7200 minute winter	PP-S15	3060	0.506	0.006	0.1	0.0373	0.0000	OK
7200 minute winter	PP-S75	3120	0.506	0.006	0.1	0.0412	0.0000	OK
7200 minute winter	PP-S24	3420	0.508	0.008	0.2	0.0829	0.0000	OK
7200 minute winter	PP-S30	3240	0.505	0.005	0.1	0.0392	0.0000	OK
7200 minute winter	PP-S33	2940	0.505	0.005	0.1	0.0325	0.0000	OK
7200 minute winter	PP-S34	2340	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	2580	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: 99.93%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
8640 minute summer	S26	3900	-0.225	0.013	0.1	0.0227	0.0000	OK
8640 minute summer	S25	3960	-0.231	0.013	0.1	0.0328	0.0000	OK
8640 minute summer	S16	4440	-0.236	0.031	0.7	0.1380	0.0000	OK
8640 minute summer	S145	4440	-0.272	0.043	1.4	0.1855	0.0000	OK
8640 minute summer	S4	3600	-0.230	0.013	0.1	0.0228	0.0000	OK
8640 minute summer	S5	4260	-0.263	0.021	0.3	0.0371	0.0000	OK
8640 minute summer	S9	4440	-0.280	0.016	0.1	0.0378	0.0000	OK
8640 minute summer	S10	4440	-0.280	0.041	0.1	0.0719	0.0000	OK
8640 minute summer	S11	4440	-0.280	0.046	0.4	0.0807	0.0000	OK
8640 minute summer	S12	4440	-0.281	0.054	0.5	0.0959	0.0000	OK
8640 minute summer	S1	4680	-0.240	0.024	0.4	0.0564	0.0000	OK
8640 minute summer	S3	4440	-0.274	0.033	0.7	0.1048	0.0000	OK
8640 minute summer	S2	4440	-0.280	0.056	0.8	0.0985	0.0000	OK
8640 minute summer	S14	4440	-0.281	0.028	0.0	0.0493	0.0000	OK
8640 minute summer	S15	4440	-0.281	0.065	1.8	0.2920	0.0000	OK
8640 minute summer	S75	4440	-0.284	0.078	3.3	0.1980	0.0000	OK
8640 minute summer	S87	4200	-0.265	0.021	0.3	0.0681	0.0000	OK
8640 minute summer	S88	4440	-0.278	0.030	0.6	0.0970	0.0000	OK
8640 minute summer	S89	4440	-0.285	0.045	0.9	0.1448	0.0000	OK
8640 minute summer	S90	4440	-0.289	0.063	1.2	0.2020	0.0000	OK
8640 minute summer	S92	4440	-0.290	0.089	4.7	0.2257	0.0000	OK
8640 minute summer	S81	4200	-0.281	0.021	0.3	0.0678	0.0000	OK
8640 minute summer	S82	4440	-0.290	0.034	0.6	0.1097	0.0000	OK
8640 minute summer	S83	4440	-0.294	0.051	0.9	0.1636	0.0000	OK
8640 minute summer	S84	4440	-0.296	0.071	1.2	0.2242	0.0000	OK
8640 minute summer	S86	4440	-0.297	0.096	5.9	0.2431	0.0000	OK
8640 minute summer	S76	4200	-0.296	0.021	0.3	0.0675	0.0000	OK
8640 minute summer	S77	4440	-0.302	0.037	0.6	0.1205	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	0.043	0.001	0.1377	
8640 minute summer	S16	1.001	S145	0.7	0.114	0.010	0.5874	
8640 minute summer	S145	1.002	S75	1.4	0.111	0.020	1.2276	
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	0.4544	
8640 minute summer	S9	4.000	S10	0.1	0.060	0.001	0.2243	
8640 minute summer	S10	4.001	S11	0.1	0.035	0.001	0.0670	
8640 minute summer	S11	3.002	S12	0.4	0.085	0.006	0.1739	
8640 minute summer	S12	3.003	S15	0.5	0.054	0.008	0.2887	
8640 minute summer	S1	5.000	S3	0.4	0.107	0.006	0.3552	
8640 minute summer	S3	5.001	S2	0.7	0.102	0.010	0.4740	
8640 minute summer	S2	5.002	S15	0.8	0.087	0.012	0.2724	
8640 minute summer	S14	6.000	S15	0.0	0.002	0.000	0.6759	
8640 minute summer	S15	3.004	S75	1.8	0.121	0.025	0.5058	
8640 minute summer	S75	1.003	S92	3.3	0.170	0.046	0.6785	
8640 minute summer	S87	7.000	S88	0.3	0.088	0.004	0.1520	
8640 minute summer	S88	7.001	S89	0.6	0.108	0.008	0.2713	
8640 minute summer	S89	7.002	S90	0.9	0.109	0.013	0.4705	
8640 minute summer	S90	7.003	S92	1.2	0.088	0.017	0.9712	
8640 minute summer	S92	1.005	S86	4.7	0.202	0.066	0.6478	
8640 minute summer	S81	8.000	S82	0.3	0.085	0.004	0.1729	
8640 minute summer	S82	8.001	S83	0.6	0.105	0.009	0.3277	
8640 minute summer	S83	8.002	S84	0.9	0.104	0.013	0.5559	
8640 minute summer	S84	8.003	S86	1.2	0.075	0.017	1.0450	
8640 minute summer	S86	1.006	S30	5.9	0.232	0.083	0.7088	
8640 minute summer	S76	9.000	S77	0.3	0.081	0.004	0.1911	
8640 minute summer	S77	9.001	S78	0.6	0.099	0.009	0.3843	

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Results for 1 year 8640 minute summer. 10080 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
8640 minute summer	S78	4440	-0.304	0.057	0.9	0.1822	0.0000	OK
8640 minute summer	S79	4440	-0.306	0.076	1.2	0.2411	0.0000	OK
8640 minute summer	S30	4440	-0.307	0.100	7.2	0.2557	0.0000	OK
8640 minute summer	S31	4200	-0.315	0.021	0.3	0.0698	0.0000	OK
8640 minute summer	S32	4440	-0.319	0.060	0.6	0.1845	0.0000	OK
8640 minute summer	S33	4440	-0.320	0.103	7.9	0.2627	0.0000	OK
8640 minute summer	S34	4440	-0.335	0.104	8.1	0.1833	0.0000	OK
8640 minute summer	S35	4440	-0.359	0.107	8.1	0.1892	0.0000	OK
8640 minute summer	S36	4440	-0.366	0.076	0.1	0.1350	0.0000	OK
8640 minute summer	S37	4440	-0.366	0.105	8.7	0.5180	0.0000	OK
8640 minute summer	S38	4440	-0.411	0.105	8.7	0.1855	0.0000	OK
8640 minute summer	S39	8340	-0.429	0.133	8.7	0.2342	0.0000	OK
8640 minute summer	S56	8280	-0.429	0.130	0.0	0.2290	0.0000	OK
8640 minute summer	S57	8340	-0.429	0.136	8.7	0.3450	0.0000	OK
8640 minute summer	S125	9120	-0.429	0.126	0.1	0.2220	0.0000	OK
8640 minute summer	S127	9540	-0.429	0.150	8.7	0.3806	0.0000	OK
8640 minute summer	S119	9660	-0.429	0.140	0.1	0.2467	0.0000	OK
8640 minute summer	S60	9240	-0.429	0.164	8.7	0.4163	0.0000	OK
8640 minute summer	Pond Inlet 1	9720	-0.430	0.180	8.7	0.3189	0.0000	OK
8640 minute summer	Pond Outlet	9600	-0.430	0.180	4.3	0.2041	0.0000	OK
8640 minute summer	S13	9480	-0.429	0.209	0.1	0.7224	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	3900	0.509	0.009	0.1	0.0816	0.0000	OK
8640 minute summer	PP-S25	3960	0.507	0.007	0.1	0.0532	0.0000	OK
8640 minute summer	PP-S16	3480	0.507	0.007	0.1	0.0509	0.0000	OK
8640 minute summer	PP-S145	4320	0.508	0.008	0.2	0.0795	0.0000	OK
8640 minute summer	PP-S4	3540	0.507	0.007	0.1	0.0582	0.0000	OK
8640 minute summer	PP-S1	4680	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	0.6350	
8640 minute summer	S79	9.003	S30	1.2	0.068	0.017	1.0702	
8640 minute summer	S30	1.007	S33	7.2	0.268	0.101	0.8512	
8640 minute summer	S31	10.000	S32	0.3	0.088	0.004	0.6493	
8640 minute summer	S32	10.001	S33	0.6	0.044	0.008	1.7173	
8640 minute summer	S33	1.008	S34	7.9	0.288	0.112	0.8861	
8640 minute summer	S34	1.009	S35	8.1	0.287	0.114	1.5147	
8640 minute summer	S35	1.010	S37	8.1	0.284	0.122	0.3230	
8640 minute summer	S36	11.000	S37	0.1	0.011	0.002	1.3226	
8640 minute summer	S37	1.011	S38	8.7	0.309	0.123	2.5424	
8640 minute summer	S38	1.012	S39	8.7	0.302	0.122	2.7224	
8640 minute summer	S39	1.013	S57	8.7	0.300	0.137	0.2949	
8640 minute summer	S56	12.011	S57	0.0	-0.003	-0.001	0.5075	
8640 minute summer	S57	1.014	S127	8.7	0.310	0.123	1.2096	
8640 minute summer	S125	21.003	S127	-0.1	-0.011	-0.001	2.0253	
8640 minute summer	S127	1.015	S60	8.7	0.324	0.122	1.3569	
8640 minute summer	S119	22.003	S60	0.1	-0.008	0.001	2.3137	
8640 minute summer	S60	1.016	Pond Inlet 1	8.7	0.377	0.114	1.6619	
8640 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	4.3	0.002	0.000	927.5388	
8640 minute summer	Pond Outlet	1.018	S13	0.1	0.019	0.001	0.3276	
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: 99.93%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
8640 minute summer	PP-S5	4200	0.509	0.009	0.2	0.0941	0.0000	OK
8640 minute summer	PP-S12	4080	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	3840	0.506	0.006	0.1	0.0815	0.0000	OK
8640 minute summer	PP-S15	3960	0.506	0.006	0.1	0.0373	0.0000	OK
8640 minute summer	PP-S75	4020	0.506	0.006	0.1	0.0412	0.0000	OK
8640 minute summer	PP-S24	4200	0.508	0.008	0.2	0.0829	0.0000	OK
8640 minute summer	PP-S30	4080	0.505	0.005	0.1	0.0392	0.0000	OK
8640 minute summer	PP-S33	3840	0.505	0.005	0.1	0.0325	0.0000	OK
8640 minute summer	PP-S34	4320	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	3540	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: 99.93%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
8640 minute winter	S26	3720	-0.225	0.013	0.1	0.0227	0.0000	OK
8640 minute winter	S25	3900	-0.231	0.013	0.1	0.0328	0.0000	OK
8640 minute winter	S16	4140	-0.238	0.029	0.6	0.1287	0.0000	OK
8640 minute winter	S145	4140	-0.277	0.038	1.1	0.1657	0.0000	OK
8640 minute winter	S4	3240	-0.230	0.013	0.1	0.0228	0.0000	OK
8640 minute winter	S5	3120	-0.266	0.018	0.2	0.0310	0.0000	OK
8640 minute winter	S9	3420	-0.283	0.013	0.1	0.0297	0.0000	OK
8640 minute winter	S10	4500	-0.292	0.029	0.1	0.0520	0.0000	OK
8640 minute winter	S11	4500	-0.292	0.034	0.3	0.0607	0.0000	OK
8640 minute winter	S12	4500	-0.292	0.043	0.4	0.0754	0.0000	OK
8640 minute winter	S1	4200	-0.243	0.021	0.3	0.0495	0.0000	OK
8640 minute winter	S3	4140	-0.280	0.027	0.5	0.0852	0.0000	OK
8640 minute winter	S2	4500	-0.292	0.044	0.6	0.0782	0.0000	OK
8640 minute winter	S14	4500	-0.293	0.016	0.0	0.0284	0.0000	OK
8640 minute winter	S15	4500	-0.293	0.053	1.4	0.2390	0.0000	OK
8640 minute winter	S75	4500	-0.297	0.065	2.6	0.1655	0.0000	OK
8640 minute winter	S87	3480	-0.268	0.018	0.2	0.0568	0.0000	OK
8640 minute winter	S88	3540	-0.284	0.024	0.4	0.0780	0.0000	OK
8640 minute winter	S89	4440	-0.298	0.032	0.6	0.1035	0.0000	OK
8640 minute winter	S90	4440	-0.303	0.049	0.8	0.1561	0.0000	OK
8640 minute winter	S92	4440	-0.305	0.074	3.5	0.1888	0.0000	OK
8640 minute winter	S81	3480	-0.284	0.018	0.2	0.0565	0.0000	OK
8640 minute winter	S82	3540	-0.300	0.024	0.4	0.0785	0.0000	OK
8640 minute winter	S83	4440	-0.309	0.036	0.6	0.1168	0.0000	OK
8640 minute winter	S84	4440	-0.312	0.055	0.8	0.1754	0.0000	OK
8640 minute winter	S86	4440	-0.313	0.080	4.3	0.2039	0.0000	OK
8640 minute winter	S76	3480	-0.299	0.018	0.2	0.0563	0.0000	OK
8640 minute winter	S77	4440	-0.314	0.025	0.4	0.0795	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	0.112	0.008	0.5081	
8640 minute winter	S145	1.002	S75	1.1	0.112	0.016	0.9739	
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	0.3084	
8640 minute winter	S9	4.000	S10	0.1	0.061	0.001	0.1413	
8640 minute winter	S10	4.001	S11	0.1	0.038	0.001	0.0427	
8640 minute winter	S11	3.002	S12	0.3	0.086	0.004	0.1186	
8640 minute winter	S12	3.003	S15	0.4	0.057	0.006	0.2097	
8640 minute winter	S1	5.000	S3	0.3	0.103	0.004	0.2720	
8640 minute winter	S3	5.001	S2	0.5	0.103	0.007	0.3410	
8640 minute winter	S2	5.002	S15	0.6	0.087	0.009	0.1991	
8640 minute winter	S14	6.000	S15	0.0	-0.002	0.000	0.4565	
8640 minute winter	S15	3.004	S75	1.4	0.122	0.020	0.3846	
8640 minute winter	S75	1.003	S92	2.6	0.168	0.037	0.5243	
8640 minute winter	S87	7.000	S88	0.2	0.079	0.003	0.1121	
8640 minute winter	S88	7.001	S89	0.4	0.107	0.006	0.1762	
8640 minute winter	S89	7.002	S90	0.6	0.108	0.008	0.3079	
8640 minute winter	S90	7.003	S92	0.8	0.091	0.012	0.7177	
8640 minute winter	S92	1.005	S86	3.5	0.194	0.049	0.5020	
8640 minute winter	S81	8.000	S82	0.2	0.078	0.003	0.1132	
8640 minute winter	S82	8.001	S83	0.4	0.105	0.006	0.1994	
8640 minute winter	S83	8.002	S84	0.6	0.104	0.008	0.3697	
8640 minute winter	S84	8.003	S86	0.8	0.078	0.011	0.7797	
8640 minute winter	S86	1.006	S30	4.3	0.217	0.061	0.5524	
8640 minute winter	S76	9.000	S77	0.2	0.079	0.003	0.1150	
8640 minute winter	S77	9.001	S78	0.4	0.099	0.006	0.2287	

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Results for 1 year 8640 minute winter. 10080 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
8640 minute winter	S78	4440	-0.320	0.041	0.6	0.1327	0.0000	OK
8640 minute winter	S79	4440	-0.322	0.060	0.8	0.1909	0.0000	OK
8640 minute winter	S30	4440	-0.322	0.085	5.2	0.2153	0.0000	OK
8640 minute winter	S31	3480	-0.318	0.018	0.2	0.0582	0.0000	OK
8640 minute winter	S32	4440	-0.335	0.044	0.4	0.1348	0.0000	OK
8640 minute winter	S33	4440	-0.336	0.087	5.7	0.2216	0.0000	OK
8640 minute winter	S34	4380	-0.352	0.087	5.8	0.1543	0.0000	OK
8640 minute winter	S35	4380	-0.375	0.091	5.8	0.1606	0.0000	OK
8640 minute winter	S36	4380	-0.381	0.061	0.1	0.1072	0.0000	OK
8640 minute winter	S37	4380	-0.381	0.090	6.3	0.4407	0.0000	OK
8640 minute winter	S38	8640	-0.396	0.120	6.3	0.2113	0.0000	OK
8640 minute winter	S39	9000	-0.396	0.166	6.3	0.2925	0.0000	OK
8640 minute winter	S56	8460	-0.396	0.163	0.0	0.2873	0.0000	OK
8640 minute winter	S57	9000	-0.396	0.169	6.3	0.4290	0.0000	OK
8640 minute winter	S125	10020	-0.396	0.159	0.1	0.2802	0.0000	OK
8640 minute winter	S127	9600	-0.396	0.183	6.3	0.4646	0.0000	OK
8640 minute winter	S119	8460	-0.396	0.173	0.0	0.3050	0.0000	OK
8640 minute winter	S60	9000	-0.396	0.197	6.3	0.5002	0.0000	OK
8640 minute winter	Pond Inlet 1	9300	-0.397	0.213	6.3	0.3772	0.0000	OK
8640 minute winter	Pond Outlet	9480	-0.397	0.213	3.1	0.2414	0.0000	OK
8640 minute winter	S13	9480	-0.396	0.242	0.1	0.8367	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	3720	0.509	0.009	0.1	0.0816	0.0000	OK
8640 minute winter	PP-S25	3900	0.507	0.007	0.1	0.0532	0.0000	OK
8640 minute winter	PP-S16	3060	0.507	0.007	0.1	0.0509	0.0000	OK
8640 minute winter	PP-S145	2880	0.506	0.006	0.1	0.0456	0.0000	OK
8640 minute winter	PP-S4	3180	0.507	0.007	0.1	0.0582	0.0000	OK
8640 minute winter	PP-S1	4200	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	0.4304	
8640 minute winter	S79	9.003	S30	0.8	0.069	0.011	0.8065	
8640 minute winter	S30	1.007	S33	5.2	0.247	0.073	0.6666	
8640 minute winter	S31	10.000	S32	0.2	0.084	0.003	0.4233	
8640 minute winter	S32	10.001	S33	0.4	0.037	0.006	1.2646	
8640 minute winter	S33	1.008	S34	5.7	0.265	0.081	0.6940	
8640 minute winter	S34	1.009	S35	5.8	0.262	0.082	1.1919	
8640 minute winter	S35	1.010	S37	5.8	0.257	0.087	0.2560	
8640 minute winter	S36	11.000	S37	0.1	0.011	0.002	1.0094	
8640 minute winter	S37	1.011	S38	6.3	0.283	0.089	2.2993	
8640 minute winter	S38	1.012	S39	6.3	0.274	0.088	3.9137	
8640 minute winter	S39	1.013	S57	6.3	0.269	0.099	0.3990	
8640 minute winter	S56	12.011	S57	0.0	-0.004	-0.001	0.6889	
8640 minute winter	S57	1.014	S127	6.3	0.276	0.089	1.6067	
8640 minute winter	S125	21.003	S127	-0.1	-0.017	-0.001	2.7164	
8640 minute winter	S127	1.015	S60	6.3	0.283	0.088	1.7553	
8640 minute winter	S119	22.003	S60	0.1	-0.013	0.001	3.0190	
8640 minute winter	S60	1.016	Pond Inlet 1	6.3	0.345	0.083	2.0969	
8640 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	3.1	0.002	0.000	1105.6389	
8640 minute winter	Pond Outlet	1.018	S13	0.1	0.028	0.001	0.3882	
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: 99.93%

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	4260	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	3600	0.506	0.006	0.1	0.0815	0.0000	OK
8640 minute winter	PP-S15	3900	0.506	0.006	0.1	0.0373	0.0000	OK
8640 minute winter	PP-S75	3960	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	4140	0.505	0.005	0.1	0.0392	0.0000	OK
8640 minute winter	PP-S33	3720	0.505	0.005	0.1	0.0325	0.0000	OK
8640 minute winter	PP-S34	2880	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	3180	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	0.1	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	0.1	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: 99.93%

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	4860	-0.238	0.029	0.6	0.1287	0.0000	OK
10080 minute summer	S145	5100	-0.273	0.042	1.3	0.1792	0.0000	OK
10080 minute summer	S4	4260	-0.230	0.013	0.1	0.0228	0.0000	OK
10080 minute summer	S5	5040	-0.263	0.021	0.3	0.0371	0.0000	OK
10080 minute summer	S9	5100	-0.280	0.016	0.1	0.0357	0.0000	OK
10080 minute summer	S10	5100	-0.281	0.040	0.1	0.0702	0.0000	OK
10080 minute summer	S11	5100	-0.281	0.045	0.4	0.0789	0.0000	OK
10080 minute summer	S12	5100	-0.282	0.053	0.5	0.0941	0.0000	OK
10080 minute summer	S1	5340	-0.240	0.024	0.4	0.0564	0.0000	OK
10080 minute summer	S3	5100	-0.275	0.032	0.7	0.1031	0.0000	OK
10080 minute summer	S2	5100	-0.281	0.055	0.8	0.0968	0.0000	OK
10080 minute summer	S14	5100	-0.282	0.027	0.0	0.0475	0.0000	OK
10080 minute summer	S15	5100	-0.282	0.064	1.8	0.2874	0.0000	OK
10080 minute summer	S75	5100	-0.285	0.077	3.2	0.1950	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	0.0960	0.0000	OK
10080 minute summer	S89	5100	-0.286	0.044	0.9	0.1423	0.0000	OK
10080 minute summer	S90	5100	-0.290	0.062	1.2	0.1989	0.0000	OK
10080 minute summer	S92	5100	-0.291	0.088	4.6	0.2230	0.0000	OK
10080 minute summer	S81	5040	-0.281	0.021	0.3	0.0678	0.0000	OK
10080 minute summer	S82	5100	-0.291	0.033	0.6	0.1078	0.0000	OK
10080 minute summer	S83	5100	-0.295	0.050	0.9	0.1608	0.0000	OK
10080 minute summer	S84	5100	-0.297	0.070	1.2	0.2211	0.0000	OK
10080 minute summer	S86	5100	-0.299	0.094	5.8	0.2405	0.0000	OK
10080 minute summer	S76	5040	-0.296	0.021	0.3	0.0675	0.0000	OK
10080 minute summer	S77	5100	-0.302	0.037	0.6	0.1182	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	0.042	0.001	0.1266	
10080 minute summer	S16	1.001	S145	0.6	0.112	0.008	0.5461	
10080 minute summer	S145	1.002	S75	1.3	0.112	0.018	1.1904	
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	0.4436	
10080 minute summer	S9	4.000	S10	0.1	0.059	0.002	0.2141	
10080 minute summer	S10	4.001	S11	0.1	0.034	0.002	0.0648	
10080 minute summer	S11	3.002	S12	0.4	0.085	0.006	0.1689	
10080 minute summer	S12	3.003	S15	0.5	0.055	0.008	0.2815	
10080 minute summer	S1	5.000	S3	0.4	0.107	0.006	0.3497	
10080 minute summer	S3	5.001	S2	0.7	0.106	0.010	0.4621	
10080 minute summer	S2	5.002	S15	0.8	0.089	0.012	0.2659	
10080 minute summer	S14	6.000	S15	0.0	-0.002	0.000	0.6561	
10080 minute summer	S15	3.004	S75	1.8	0.121	0.025	0.4946	
10080 minute summer	S75	1.003	S92	3.2	0.170	0.045	0.6655	
10080 minute summer	S87	7.000	S88	0.3	0.087	0.004	0.1506	
10080 minute summer	S88	7.001	S89	0.6	0.107	0.008	0.2653	
10080 minute summer	S89	7.002	S90	0.9	0.108	0.013	0.4592	
10080 minute summer	S90	7.003	S92	1.2	0.091	0.017	0.9522	
10080 minute summer	S92	1.005	S86	4.6	0.200	0.064	0.6372	
10080 minute summer	S81	8.000	S82	0.3	0.082	0.004	0.1699	
10080 minute summer	S82	8.001	S83	0.6	0.105	0.009	0.3192	
10080 minute summer	S83	8.002	S84	0.9	0.104	0.013	0.5432	
10080 minute summer	S84	8.003	S86	1.2	0.077	0.017	1.0267	
10080 minute summer	S86	1.006	S30	5.8	0.231	0.081	0.6983	
10080 minute summer	S76	9.000	S77	0.3	0.079	0.004	0.1873	
10080 minute summer	S77	9.001	S78	0.6	0.099	0.008	0.3748	

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Results for 1 year 10080 minute summer. 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 summer	S78	5100	-0.305	0.056	0.9	0.1793	0.0000	OK
10080 minute summer	S79	5100	-0.307	0.075	1.2	0.2381	0.0000	OK
10080 minute summer	S30	5100	-0.308	0.099	7.1	0.2532	0.0000	OK
10080 minute summer	S31	4980	-0.315	0.021	0.3	0.0698	0.0000	OK
10080 minute summer	S32	5100	-0.320	0.059	0.6	0.1814	0.0000	OK
10080 minute summer	S33	5100	-0.321	0.102	7.8	0.2602	0.0000	OK
10080 minute summer	S34	5100	-0.336	0.103	8.0	0.1815	0.0000	OK
10080 minute summer	S35	5100	-0.360	0.106	7.9	0.1875	0.0000	OK
10080 minute summer	S36	5100	-0.367	0.075	0.1	0.1332	0.0000	OK
10080 minute summer	S37	5100	-0.367	0.104	8.5	0.5132	0.0000	OK
10080 minute summer	S38	5100	-0.412	0.104	8.5	0.1836	0.0000	OK
10080 minute summer	S39	9600	-0.430	0.132	8.5	0.2339	0.0000	OK
10080 minute summer	S56	10980	-0.430	0.129	0.0	0.2286	0.0000	OK
10080 minute summer	S57	10680	-0.430	0.135	8.5	0.3445	0.0000	OK
10080 minute summer	S125	9360	-0.430	0.125	0.1	0.2215	0.0000	OK
10080 minute summer	S127	9420	-0.430	0.149	8.5	0.3799	0.0000	OK
10080 minute summer	S119	11040	-0.430	0.139	0.1	0.2462	0.0000	OK
10080 minute summer	S60	10980	-0.430	0.163	8.5	0.4156	0.0000	OK
10080 minute summer	Pond Inlet 1	10800	-0.430	0.180	8.5	0.3185	0.0000	OK
10080 minute summer	Pond Outlet	9780	-0.430	0.180	4.2	0.2038	0.0000	OK
10080 minute summer	S13	10020	-0.430	0.208	0.0	0.7215	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	4140	0.507	0.007	0.1	0.0509	0.0000	OK
10080 minute summer	PP-S145	5100	0.508	0.008	0.2	0.0795	0.0000	OK
10080 minute summer	PP-S4	4200	0.507	0.007	0.1	0.0582	0.0000	OK
10080 minute summer	PP-S1	5340	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)
10080 minute summer	S78	9.002	S79	0.9	0.102	0.013	0.6222	
10080 minute summer	S79	9.003	S30	1.2	0.068	0.017	1.0531	
10080 minute summer	S30	1.007	S33	7.1	0.269	0.099	0.8392	
10080 minute summer	S31	10.000	S32	0.3	0.086	0.004	0.6365	
10080 minute summer	S32	10.001	S33	0.6	0.044	0.008	1.6883	
10080 minute summer	S33	1.008	S34	7.8	0.287	0.110	0.8739	
10080 minute summer	S34	1.009	S35	7.9	0.286	0.112	1.4944	
10080 minute summer	S35	1.010	S37	7.9	0.282	0.120	0.3187	
10080 minute summer	S36	11.000	S37	0.1	0.011	0.002	1.3026	
10080 minute summer	S37	1.011	S38	8.5	0.308	0.121	2.5075	
10080 minute summer	S38	1.012	S39	8.5	0.300	0.119	2.7148	
10080 minute summer	S39	1.013	S57	8.5	0.298	0.135	0.2942	
10080 minute summer	S56	12.011	S57	0.0	-0.003	-0.001	0.5063	
10080 minute summer	S57	1.014	S127	8.5	0.307	0.120	1.2067	
10080 minute summer	S125	21.003	S127	-0.1	-0.011	-0.001	2.0203	
10080 minute summer	S127	1.015	S60	8.5	0.319	0.119	1.3538	
10080 minute summer	S119	22.003	S60	-0.1	-0.007	-0.001	2.3084	
10080 minute summer	S60	1.016	Pond Inlet 1	8.5	0.366	0.112	1.6584	
10080 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	4.2	0.002	0.000	926.1641	
10080 minute summer	Pond Outlet	1.018	S13	0.0	0.019	-0.001	0.3271	
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	0.2	0.446	0.002	0.0022	
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: 99.93%

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	0.509	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	4560	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	4980	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	5100	0.507	0.007	0.2	0.0793	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	0.2	0.565	0.002	0.0018	
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	4500	-0.225	0.013	0.1	0.0227	0.0000	OK
10080 minute winter	S25	4860	-0.231	0.013	0.1	0.0328	0.0000	OK
10080 minute winter	S16	4920	-0.240	0.027	0.5	0.1178	0.0000	OK
10080 minute winter	S145	4920	-0.280	0.035	0.9	0.1509	0.0000	OK
10080 minute winter	S4	3900	-0.230	0.013	0.1	0.0228	0.0000	OK
10080 minute winter	S5	3780	-0.266	0.018	0.2	0.0310	0.0000	OK
10080 minute winter	S9	4140	-0.283	0.013	0.1	0.0297	0.0000	OK
10080 minute winter	S10	5220	-0.295	0.026	0.1	0.0467	0.0000	OK
10080 minute winter	S11	5220	-0.295	0.031	0.3	0.0553	0.0000	OK
10080 minute winter	S12	5220	-0.296	0.039	0.3	0.0695	0.0000	OK
10080 minute winter	S1	4920	-0.243	0.021	0.3	0.0495	0.0000	OK
10080 minute winter	S3	4860	-0.280	0.027	0.5	0.0852	0.0000	OK
10080 minute winter	S2	5220	-0.295	0.041	0.6	0.0732	0.0000	OK
10080 minute winter	S14	5220	-0.296	0.013	0.0	0.0228	0.0000	OK
10080 minute winter	S15	5220	-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	4260	-0.268	0.018	0.2	0.0568	0.0000	OK
10080 minute winter	S88	4320	-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	4260	-0.284	0.018	0.2	0.0565	0.0000	OK
10080 minute winter	S82	4320	-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	4260	-0.299	0.018	0.2	0.0563	0.0000	OK
10080 minute winter	S77	4320	-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	0.8814	
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	0.038	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	0.057	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	0.122	0.018	0.3523	
10080 minute winter	S75	1.003	S92	2.3	0.162	0.032	0.4871	
10080 minute winter	S87	7.000	S88	0.2	0.079	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	0.107	0.008	0.2838	
10080 minute winter	S90	7.003	S92	0.8	0.088	0.011	0.6677	
10080 minute winter	S92	1.005	S86	3.2	0.189	0.045	0.4723	
10080 minute winter	S81	8.000	S82	0.2	0.078	0.003	0.1132	
10080 minute winter	S82	8.001	S83	0.4	0.105	0.006	0.1885	
10080 minute winter	S83	8.002	S84	0.6	0.104	0.008	0.3404	
10080 minute winter	S84	8.003	S86	0.8	0.075	0.011	0.7304	
10080 minute winter	S86	1.006	S30	4.0	0.214	0.056	0.5215	
10080 minute winter	S76	9.000	S77	0.2	0.079	0.003	0.1121	
10080 minute winter	S77	9.001	S78	0.4	0.098	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	5100	-0.355	0.084	5.4	0.1486	0.0000	OK
10080 minute winter	S35	5100	-0.379	0.087	5.4	0.1543	0.0000	OK
10080 minute winter	S36	5100	-0.385	0.057	0.1	0.1008	0.0000	OK
10080 minute winter	S37	5100	-0.385	0.086	5.8	0.4231	0.0000	OK
10080 minute winter	S38	11040	-0.394	0.122	5.8	0.2150	0.0000	OK
10080 minute winter	S39	9780	-0.394	0.168	5.8	0.2963	0.0000	OK
10080 minute winter	S56	10260	-0.394	0.165	0.0	0.2909	0.0000	OK
10080 minute winter	S57	9780	-0.394	0.171	5.8	0.4342	0.0000	OK
10080 minute winter	S125	10500	-0.394	0.161	0.0	0.2839	0.0000	OK
10080 minute winter	S127	10620	-0.394	0.185	5.8	0.4699	0.0000	OK
10080 minute winter	S119	10740	-0.394	0.175	0.1	0.3088	0.0000	OK
10080 minute winter	S60	10620	-0.394	0.199	5.8	0.5056	0.0000	OK
10080 minute winter	Pond Inlet 1	10800	-0.394	0.216	5.8	0.3809	0.0000	OK
10080 minute winter	Pond Outlet	11100	-0.394	0.216	2.9	0.2438	0.0000	OK
10080 minute winter	S13	10740	-0.394	0.244	0.0	0.8440	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	4500	0.509	0.009	0.1	0.0816	0.0000	OK
10080 minute winter	PP-S25	4860	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	3480	0.506	0.006	0.1	0.0456	0.0000	OK
10080 minute winter	PP-S4	3840	0.507	0.007	0.1	0.0582	0.0000	OK
10080 minute winter	PP-S1	4920	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	0.068	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	0.084	0.003	0.3879	
10080 minute winter	S32	10.001	S33	0.4	0.037	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	0.9421	
10080 minute winter	S37	1.011	S38	5.8	0.277	0.082	2.3690	
10080 minute winter	S38	1.012	S39	5.8	0.266	0.081	3.9927	
10080 minute winter	S39	1.013	S57	5.8	0.260	0.091	0.4058	
10080 minute winter	S56	12.011	S57	0.0	-0.003	0.001	0.7005	
10080 minute winter	S57	1.014	S127	5.8	0.268	0.082	1.6320	
10080 minute winter	S125	21.003	S127	0.0	-0.015	-0.001	2.7616	
10080 minute winter	S127	1.015	S60	5.8	0.278	0.081	1.7813	
10080 minute winter	S119	22.003	S60	0.1	-0.013	0.001	3.0652	
10080 minute winter	S60	1.016	Pond Inlet 1	5.8	0.330	0.076	2.1250	
10080 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	2.9	0.002	0.000	1117.0127	
10080 minute winter	Pond Outlet	1.018	S13	-0.1	0.023	-0.001	0.3918	
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	4320	0.506	0.006	0.1	0.0815	0.0000	OK
10080 minute winter	PP-S15	4860	0.506	0.006	0.1	0.0373	0.0000	OK
10080 minute winter	PP-S75	4980	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	4560	0.505	0.005	0.1	0.0325	0.0000	OK
10080 minute winter	PP-S34	3480	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: 99.93%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	S26	17	0.250	0.488	18.9	0.8632	0.0000	SURCHARGED
15 minute summer	S25	17	0.273	0.517	15.8	1.3164	0.0000	SURCHARGED
15 minute summer	S16	17	0.257	0.524	81.1	2.3231	0.0000	SURCHARGED
15 minute summer	S145	21	0.202	0.517	74.7	2.2257	0.0000	SURCHARGED
15 minute summer	S4	19	0.255	0.498	30.7	0.8803	0.0000	SURCHARGED
15 minute summer	S5	24	0.224	0.508	58.7	0.8981	0.0000	SURCHARGED
15 minute summer	S9	19	0.238	0.534	21.1	1.2293	0.0000	SURCHARGED
15 minute summer	S10	19	0.244	0.565	25.8	0.9980	0.0000	SURCHARGED
15 minute summer	S11	19	0.241	0.567	85.2	1.0014	0.0000	SURCHARGED
15 minute summer	S12	19	0.238	0.573	88.6	1.0122	0.0000	SURCHARGED
15 minute summer	S1	19	0.280	0.544	27.1	1.2803	0.0000	SURCHARGED
15 minute summer	S3	20	0.220	0.527	44.9	1.6854	0.0000	SURCHARGED
15 minute summer	S2	19	0.209	0.545	35.9	0.9635	0.0000	SURCHARGED
15 minute summer	S14	20	0.228	0.537	40.4	0.9490	0.0000	SURCHARGED
15 minute summer	S15	19	0.204	0.550	129.2	2.4735	0.0000	SURCHARGED
15 minute summer	S75	20	0.192	0.554	118.7	1.4097	0.0000	SURCHARGED
15 minute summer	S87	20	0.205	0.491	37.1	1.5938	0.0000	SURCHARGED
15 minute summer	S88	20	0.205	0.513	64.5	1.6722	0.0000	SURCHARGED
15 minute summer	S89	20	0.212	0.542	88.2	1.7581	0.0000	SURCHARGED
15 minute summer	S90	20	0.188	0.540	108.8	1.7209	0.0000	SURCHARGED
15 minute summer	S92	24	0.173	0.552	122.8	1.4060	0.0000	SURCHARGED
15 minute summer	S81	21	0.160	0.462	37.1	1.4923	0.0000	SURCHARGED
15 minute summer	S82	21	0.159	0.483	64.0	1.5677	0.0000	SURCHARGED
15 minute summer	S83	24	0.157	0.502	86.8	1.6189	0.0000	SURCHARGED
15 minute summer	S84	24	0.152	0.519	106.1	1.6464	0.0000	SURCHARGED
15 minute summer	S86	24	0.150	0.543	99.1	1.3823	0.0000	SURCHARGED
15 minute summer	S76	22	0.146	0.463	37.1	1.4894	0.0000	SURCHARGED
15 minute summer	S77	13	0.164	0.503	64.0	1.6270	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	-16.0	-0.245	-0.226	9.2005	
15 minute summer	S25	2.000	S16	-12.8	-0.233	-0.182	7.3393	
15 minute summer	S16	1.001	S145	-46.2	-0.364	-0.648	15.0038	
15 minute summer	S145	1.002	S75	73.4	0.463	1.040	15.0038	
15 minute summer	S4	3.000	S5	-25.6	-0.351	-0.364	13.1095	
15 minute summer	S5	3.001	S11	52.2	-0.469	0.731	13.1095	
15 minute summer	S9	4.000	S10	-20.7	0.429	-0.294	8.0648	
15 minute summer	S10	4.001	S11	-25.8	0.523	-0.339	1.3780	
15 minute summer	S11	3.002	S12	-85.2	-0.696	-1.207	2.8740	
15 minute summer	S12	3.003	S15	-85.5	-0.630	-1.241	3.6838	
15 minute summer	S1	5.000	S3	-21.0	-0.171	-0.295	13.5151	
15 minute summer	S3	5.001	S2	32.1	0.504	0.454	9.1848	
15 minute summer	S2	5.002	S15	-32.6	0.367	-0.479	3.4165	
15 minute summer	S14	6.000	S15	-40.3	-0.455	-0.573	11.8707	
15 minute summer	S15	3.004	S75	-84.8	-0.644	-1.184	4.9661	
15 minute summer	S75	1.003	S92	-115.8	-0.759	-1.627	5.3380	
15 minute summer	S87	7.000	S88	28.1	0.248	0.395	6.8747	
15 minute summer	S88	7.001	S89	51.9	0.370	0.727	6.8747	
15 minute summer	S89	7.002	S90	73.4	0.533	1.029	6.8747	
15 minute summer	S90	7.003	S92	88.4	0.714	1.255	8.6413	
15 minute summer	S92	1.005	S86	99.1	0.626	1.395	4.4095	
15 minute summer	S81	8.000	S82	27.7	0.247	0.388	6.8747	
15 minute summer	S82	8.001	S83	50.5	0.365	0.725	6.8747	
15 minute summer	S83	8.002	S84	70.7	0.522	0.991	6.8747	
15 minute summer	S84	8.003	S86	84.4	0.676	1.188	8.1975	
15 minute summer	S86	1.006	S30	88.7	0.560	1.250	4.4165	
15 minute summer	S76	9.000	S77	27.4	0.249	0.384	6.8747	
15 minute summer	S77	9.001	S78	49.9	0.364	0.700	6.8747	

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Results for 30 year 15 minute summer. 1455 minute analysis at 1 minute timestep. Mass balance: 99.93%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	S78	22	0.146	0.507	86.2	1.6286	0.0000	SURCHARGED
15 minute summer	S79	22	0.142	0.524	105.5	1.6550	0.0000	SURCHARGED
15 minute summer	S30	22	0.124	0.531	134.4	1.3523	0.0000	SURCHARGED
15 minute summer	S31	15	0.116	0.452	40.1	1.4961	0.0000	SURCHARGED
15 minute summer	S32	15	0.111	0.490	65.9	1.5128	0.0000	SURCHARGED
15 minute summer	S33	23	0.099	0.522	139.5	1.3284	0.0000	SURCHARGED
15 minute summer	S34	23	0.073	0.512	118.7	0.9043	0.0000	SURCHARGED
15 minute summer	S35	16	0.027	0.493	112.6	0.8713	0.0000	SURCHARGED
15 minute summer	S36	16	0.011	0.453	29.8	0.8001	0.0000	SURCHARGED
15 minute summer	S37	16	0.010	0.481	142.6	2.3663	0.0000	SURCHARGED
15 minute summer	S38	24	-0.088	0.428	127.9	0.7560	0.0000	OK
15 minute summer	S39	25	-0.170	0.392	116.8	0.6930	0.0000	OK
15 minute summer	S56	25	-0.189	0.370	11.9	0.6533	0.0000	OK
15 minute summer	S57	25	-0.189	0.376	107.0	0.9562	0.0000	OK
15 minute summer	S125	26	-0.230	0.325	31.6	0.5749	0.0000	OK
15 minute summer	S127	26	-0.230	0.349	104.1	0.8877	0.0000	OK
15 minute summer	S119	26	-0.282	0.287	21.2	0.5071	0.0000	OK
15 minute summer	S60	27	-0.283	0.310	97.8	0.7896	0.0000	OK
15 minute summer	Pond Inlet 1	27	-0.379	0.231	96.8	0.4076	0.0000	OK
15 minute summer	Pond Outlet	1449	-0.516	0.094	81.9	0.1059	0.0000	OK
15 minute summer	S13	1439	-0.516	0.122	0.8	0.4217	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	0.549	0.049	5.6	2.2391	0.0000	OK
15 minute summer	PP-S25	21	0.541	0.041	4.9	1.5059	0.0000	OK
15 minute summer	PP-S16	20	0.552	0.052	8.7	2.4734	0.0000	OK
15 minute summer	PP-S145	20	0.551	0.051	10.1	2.5126	0.0000	OK
15 minute summer	PP-S4	21	0.553	0.053	7.9	2.5245	0.0000	OK
15 minute summer	PP-S1	23	0.549	0.049	20.0	13.9127	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	70.0	0.517	1.005	6.8745	
15 minute summer	S79	9.003	S30	83.3	0.669	1.158	7.6907	
15 minute summer	S30	1.007	S33	126.1	0.803	1.772	5.0209	
15 minute summer	S31	10.000	S32	31.7	0.385	0.449	13.6702	
15 minute summer	S32	10.001	S33	39.1	0.520	0.546	13.6740	
15 minute summer	S33	1.008	S34	113.1	0.766	1.603	5.1108	
15 minute summer	S34	1.009	S35	111.5	0.790	1.570	8.5103	
15 minute summer	S35	1.010	S37	100.4	0.777	1.511	1.7947	
15 minute summer	S36	11.000	S37	-24.8	-0.249	-0.349	9.1168	
15 minute summer	S37	1.011	S38	127.9	0.867	1.811	14.2003	
15 minute summer	S38	1.012	S39	116.8	0.873	1.635	13.6543	
15 minute summer	S39	1.013	S57	107.0	0.888	1.689	1.0737	
15 minute summer	S56	12.011	S57	-11.9	-0.438	-0.175	1.8293	
15 minute summer	S57	1.014	S127	101.9	1.015	1.441	3.8325	
15 minute summer	S125	21.003	S127	-31.6	-0.469	-0.452	6.2788	
15 minute summer	S127	1.015	S60	97.4	0.968	1.367	3.4361	
15 minute summer	S119	22.003	S60	-21.2	-0.417	-0.303	5.4996	
15 minute summer	S60	1.016	Pond Inlet 1	96.8	0.974	1.278	2.9591	
15 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	81.9	0.042	0.002	467.1412	
15 minute summer	Pond Outlet	1.018	S13	0.8	0.286	0.012	0.1547	
15 minute summer	S13	Pump	Final Outfall	0.0				0.0
15 minute summer	PP-S26	1.000_1	S26	3.9	0.622	0.103	0.0633	
15 minute summer	PP-S25	2.000_1	S25	3.9	0.814	0.068	0.0241	
15 minute summer	PP-S16	3.000_1	S16	7.2	1.079	0.106	0.0332	
15 minute summer	PP-S145	4.000_2	S145	8.6	1.332	0.102	0.0324	
15 minute summer	PP-S4	1.000_2	S4	6.3	0.923	0.110	0.0341	
15 minute summer	PP-S1	4.000_1	S1	6.4	1.032	0.096	0.0309	

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Results for 30 year 15 minute summer. 1455 minute analysis at 1 minute timestep. Mass balance: 99.93%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	PP-S5	20	0.558	0.058	11.7	3.3731	0.0000	OK
15 minute summer	PP-S12	21	0.531	0.031	4.3	1.3260	0.0000	OK
15 minute summer	PP-S14	23	0.507	0.007	0.3	0.1961	0.0000	OK
15 minute summer	PP-S2	21	0.535	0.035	6.3	2.5186	0.0000	OK
15 minute summer	PP-S15	19	0.534	0.034	4.9	1.1059	0.0000	OK
15 minute summer	PP-S75	20	0.532	0.032	4.7	1.1664	0.0000	OK
15 minute summer	PP-S24	20	0.550	0.050	11.7	2.9800	0.0000	OK
15 minute summer	PP-S30	19	0.530	0.030	4.4	1.0344	0.0000	OK
15 minute summer	PP-S33	19	0.532	0.032	5.2	1.0120	0.0000	OK
15 minute summer	PP-S34	20	0.543	0.043	10.1	2.4787	0.0000	OK
15 minute summer	PP-S35	18	0.517	0.017	1.5	0.3220	0.0000	OK
15 minute summer	PP-S36	19	0.538	0.038	7.8	1.5341	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	9.7	1.249	0.130	0.0387	
15 minute summer	PP-S12	8.000_1	S12	3.4	1.084	0.038	0.0158	
15 minute summer	PP-S14	11.000_1	S14	0.1	0.381	0.001	0.0016	
15 minute summer	PP-S2	10.000_1	S2	4.5	1.177	0.050	0.0192	
15 minute summer	PP-S15	12.000_1	S15	4.3	1.187	0.046	0.0182	
15 minute summer	PP-S75	13.000_1	S75	4.1	1.208	0.041	0.0169	
15 minute summer	PP-S24	14.000_1	S92	10.0	1.596	0.098	0.0315	
15 minute summer	PP-S30	18.000_1	S30	3.9	1.295	0.035	0.0150	
15 minute summer	PP-S33	20.000_1	S33	4.7	1.392	0.041	0.0169	
15 minute summer	PP-S34	21.000_1	S34	8.7	1.696	0.073	0.0256	
15 minute summer	PP-S35	22.000_2	S35	1.4	1.036	0.011	0.0068	
15 minute summer	PP-S36	23.000_2	S36	7.0	1.606	0.059	0.0219	

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Results for 30 year 15 minute winter. 1455 minute analysis at 1 minute timestep. Mass balance: 99.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	S26	20	0.524	0.762	25.0	1.3465	0.0000	SURCHARGED
15 minute winter	S25	20	0.559	0.803	24.1	2.0435	0.0000	SURCHARGED
15 minute winter	S16	19	0.549	0.816	106.1	3.6201	0.0000	SURCHARGED
15 minute winter	S145	22	0.531	0.846	94.7	3.6415	0.0000	SURCHARGED
15 minute winter	S4	17	0.569	0.812	40.9	1.4351	0.0000	SURCHARGED
15 minute winter	S5	17	0.587	0.871	96.1	1.5392	0.0000	SURCHARGED
15 minute winter	S9	21	0.556	0.852	35.3	1.9626	0.0000	SURCHARGED
15 minute winter	S10	21	0.530	0.851	36.6	1.5043	0.0000	SURCHARGED
15 minute winter	S11	21	0.528	0.854	139.6	1.5094	0.0000	SURCHARGED
15 minute winter	S12	20	0.529	0.864	143.4	1.5268	0.0000	SURCHARGED
15 minute winter	S1	18	0.577	0.841	32.7	1.9802	0.0000	SURCHARGED
15 minute winter	S3	22	0.541	0.848	59.6	2.7113	0.0000	SURCHARGED
15 minute winter	S2	21	0.528	0.864	47.1	1.5269	0.0000	SURCHARGED
15 minute winter	S14	21	0.525	0.834	40.0	1.4737	0.0000	SURCHARGED
15 minute winter	S15	20	0.528	0.874	159.6	3.9348	0.0000	SURCHARGED
15 minute winter	S75	20	0.530	0.892	166.2	2.2689	0.0000	SURCHARGED
15 minute winter	S87	21	0.495	0.781	39.0	2.5346	0.0000	SURCHARGED
15 minute winter	S88	22	0.501	0.809	68.0	2.6393	0.0000	SURCHARGED
15 minute winter	S89	22	0.496	0.826	90.2	2.6770	0.0000	SURCHARGED
15 minute winter	S90	23	0.490	0.842	111.9	2.6807	0.0000	SURCHARGED
15 minute winter	S92	20	0.489	0.868	162.3	2.2092	0.0000	SURCHARGED
15 minute winter	S81	21	0.461	0.763	39.0	2.4634	0.0000	SURCHARGED
15 minute winter	S82	22	0.460	0.784	67.6	2.5452	0.0000	SURCHARGED
15 minute winter	S83	22	0.454	0.799	88.7	2.5799	0.0000	SURCHARGED
15 minute winter	S84	22	0.452	0.819	108.0	2.5988	0.0000	SURCHARGED
15 minute winter	S86	22	0.457	0.850	106.4	2.1644	0.0000	SURCHARGED
15 minute winter	S76	21	0.426	0.743	39.0	2.3888	0.0000	SURCHARGED
15 minute winter	S77	23	0.420	0.759	67.6	2.4540	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	-22.0	-0.242	-0.311	9.2005	
15 minute winter	S25	2.000	S16	-20.5	-0.236	-0.291	7.3393	
15 minute winter	S16	1.001	S145	-67.0	-0.444	-0.939	15.0038	
15 minute winter	S145	1.002	S75	103.2	0.651	1.462	15.0038	
15 minute winter	S4	3.000	S5	-35.3	-0.364	-0.500	13.1095	
15 minute winter	S5	3.001	S11	-86.5	-0.550	-1.211	13.1095	
15 minute winter	S9	4.000	S10	-32.7	0.429	-0.466	8.0648	
15 minute winter	S10	4.001	S11	-36.6	0.535	-0.481	1.3780	
15 minute winter	S11	3.002	S12	-139.6	-0.881	-1.979	2.8740	
15 minute winter	S12	3.003	S15	-140.0	-0.884	-2.034	3.6838	
15 minute winter	S1	5.000	S3	-23.7	-0.192	-0.333	13.5151	
15 minute winter	S3	5.001	S2	-44.2	0.507	-0.624	9.1848	
15 minute winter	S2	5.002	S15	-43.9	0.383	-0.644	3.4165	
15 minute winter	S14	6.000	S15	-40.0	-0.476	-0.568	11.8707	
15 minute winter	S15	3.004	S75	-121.2	-0.765	-1.694	4.9661	
15 minute winter	S75	1.003	S92	-162.9	-1.028	-2.289	5.3380	
15 minute winter	S87	7.000	S88	28.6	0.262	0.401	6.8747	
15 minute winter	S88	7.001	S89	52.5	0.377	0.736	6.8747	
15 minute winter	S89	7.002	S90	75.2	0.535	1.054	6.8747	
15 minute winter	S90	7.003	S92	93.8	0.713	1.331	8.6413	
15 minute winter	S92	1.005	S86	106.4	0.671	1.497	4.4095	
15 minute winter	S81	8.000	S82	27.8	0.261	0.390	6.8747	
15 minute winter	S82	8.001	S83	50.1	0.368	0.719	6.8747	
15 minute winter	S83	8.002	S84	71.3	0.520	0.999	6.8747	
15 minute winter	S84	8.003	S86	98.1	0.676	1.381	8.1975	
15 minute winter	S86	1.006	S30	98.9	0.624	1.393	4.4165	
15 minute winter	S76	9.000	S77	27.8	0.262	0.390	6.8747	
15 minute winter	S77	9.001	S78	50.1	0.365	0.702	6.8747	

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Results for 30 year 15 minute winter. 1455 minute analysis at 1 minute timestep. Mass balance: 99.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	S78	23	0.423	0.784	88.4	2.5190	0.0000	SURCHARGED
15 minute winter	S79	23	0.418	0.800	107.3	2.5285	0.0000	SURCHARGED
15 minute winter	S30	22	0.424	0.831	140.4	2.1157	0.0000	SURCHARGED
15 minute winter	S31	21	0.381	0.717	44.8	2.3739	0.0000	SURCHARGED
15 minute winter	S32	22	0.376	0.755	69.3	2.3324	0.0000	SURCHARGED
15 minute winter	S33	22	0.381	0.804	142.7	2.0452	0.0000	SURCHARGED
15 minute winter	S34	21	0.332	0.771	130.2	1.3619	0.0000	SURCHARGED
15 minute winter	S35	22	0.249	0.715	131.1	1.2639	0.0000	SURCHARGED
15 minute winter	S36	21	0.224	0.666	28.3	1.1774	0.0000	SURCHARGED
15 minute winter	S37	22	0.220	0.691	184.6	3.3984	0.0000	SURCHARGED
15 minute winter	S38	22	0.061	0.577	153.7	1.0202	0.0000	SURCHARGED
15 minute winter	S39	23	-0.091	0.471	145.5	0.8331	0.0000	SURCHARGED
15 minute winter	S56	23	-0.117	0.442	10.6	0.7807	0.0000	OK
15 minute winter	S57	23	-0.117	0.448	130.8	1.1396	0.0000	OK
15 minute winter	S125	24	-0.167	0.388	36.0	0.6859	0.0000	OK
15 minute winter	S127	25	-0.170	0.409	128.0	1.0413	0.0000	OK
15 minute winter	S119	24	-0.230	0.339	23.4	0.5992	0.0000	OK
15 minute winter	S60	25	-0.230	0.363	126.7	0.9235	0.0000	OK
15 minute winter	Pond Inlet 1	25	-0.338	0.272	124.3	0.4799	0.0000	OK
15 minute winter	Pond Outlet	1432	-0.506	0.104	95.8	0.1179	0.0000	OK
15 minute winter	S13	998	-0.506	0.132	1.0	0.4585	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	0.553	0.053	6.3	2.6198	0.0000	OK
15 minute winter	PP-S25	21	0.546	0.046	6.8	1.8677	0.0000	OK
15 minute winter	PP-S16	19	0.554	0.054	9.7	2.7296	0.0000	OK
15 minute winter	PP-S145	18	0.553	0.053	11.3	2.7241	0.0000	OK
15 minute winter	PP-S4	18	0.565	0.065	32.0	3.8072	0.0000	OK
15 minute winter	PP-S1	24	0.553	0.053	27.0	15.4466	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	75.2	0.511	1.079	6.8745	
15 minute winter	S79	9.003	S30	96.4	0.666	1.340	7.6907	
15 minute winter	S30	1.007	S33	139.0	0.877	1.952	5.0209	
15 minute winter	S31	10.000	S32	32.5	0.374	0.459	13.6740	
15 minute winter	S32	10.001	S33	59.4	0.515	0.830	13.6740	
15 minute winter	S33	1.008	S34	122.7	0.783	1.740	5.1108	
15 minute winter	S34	1.009	S35	129.8	0.819	1.827	8.5103	
15 minute winter	S35	1.010	S37	124.5	0.786	1.874	1.7947	
15 minute winter	S36	11.000	S37	-22.8	-0.224	-0.320	9.1184	
15 minute winter	S37	1.011	S38	153.7	0.976	2.176	14.3287	
15 minute winter	S38	1.012	S39	145.5	0.977	2.037	14.3287	
15 minute winter	S39	1.013	S57	130.8	1.052	2.064	1.1807	
15 minute winter	S56	12.011	S57	-10.6	-0.361	-0.156	2.0590	
15 minute winter	S57	1.014	S127	127.9	1.123	1.809	4.3462	
15 minute winter	S125	21.003	S127	-36.0	-0.550	-0.516	7.3149	
15 minute winter	S127	1.015	S60	125.2	1.082	1.758	3.9917	
15 minute winter	S119	22.003	S60	-23.4	-0.473	-0.335	6.5146	
15 minute winter	S60	1.016	Pond Inlet 1	124.3	1.041	1.641	3.5356	
15 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	95.8	0.046	0.002	522.6193	
15 minute winter	Pond Outlet	1.018	S13	1.0	0.303	0.013	0.1754	
15 minute winter	S13	Pump	Final Outfall	0.0				0.0
15 minute winter	PP-S26	1.000_1	S26	4.7	0.634	0.123	0.0979	
15 minute winter	PP-S25	2.000_1	S25	5.3	0.828	0.092	0.0680	
15 minute winter	PP-S16	3.000_1	S16	8.7	1.101	0.129	0.0797	
15 minute winter	PP-S145	4.000_2	S145	10.4	1.318	0.123	0.0929	
15 minute winter	PP-S4	1.000_2	S4	-23.5	-1.473	-0.412	0.0806	
15 minute winter	PP-S1	4.000_1	S1	8.1	1.067	0.122	0.0884	

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Results for 30 year 15 minute winter. 1455 minute analysis at 1 minute timestep. Mass balance: 99.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	PP-S5	19	0.562	0.062	15.4	3.8370	0.0000	OK
15 minute winter	PP-S12	20	0.532	0.032	4.8	1.4361	0.0000	OK
15 minute winter	PP-S14	24	0.513	0.013	3.0	0.7443	0.0000	OK
15 minute winter	PP-S2	21	0.537	0.037	7.0	2.6968	0.0000	OK
15 minute winter	PP-S15	18	0.535	0.035	5.5	1.2006	0.0000	OK
15 minute winter	PP-S75	18	0.534	0.034	5.3	1.2671	0.0000	OK
15 minute winter	PP-S24	18	0.552	0.052	13.2	3.2377	0.0000	OK
15 minute winter	PP-S30	18	0.531	0.031	5.0	1.1345	0.0000	OK
15 minute winter	PP-S33	18	0.534	0.034	5.8	1.1284	0.0000	OK
15 minute winter	PP-S34	19	0.545	0.045	11.3	2.7550	0.0000	OK
15 minute winter	PP-S35	18	0.518	0.018	1.7	0.3469	0.0000	OK
15 minute winter	PP-S36	19	0.541	0.041	8.7	1.7212	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	12.3	1.246	0.166	0.1095	
15 minute winter	PP-S12	8.000_1	S12	4.0	1.077	0.044	0.0942	
15 minute winter	PP-S14	11.000_1	S14	-2.8	0.555	-0.034	0.0723	
15 minute winter	PP-S2	10.000_1	S2	5.3	1.138	0.058	0.0962	
15 minute winter	PP-S15	12.000_1	S15	5.1	1.205	0.054	0.0997	
15 minute winter	PP-S75	13.000_1	S75	4.8	1.221	0.049	0.1053	
15 minute winter	PP-S24	14.000_1	S92	12.1	1.623	0.118	0.1032	
15 minute winter	PP-S30	18.000_1	S30	4.6	1.332	0.042	0.0786	
15 minute winter	PP-S33	20.000_1	S33	5.5	1.433	0.048	0.0619	
15 minute winter	PP-S34	21.000_1	S34	10.6	1.744	0.089	0.0495	
15 minute winter	PP-S35	22.000_2	S35	1.6	1.071	0.013	0.0116	
15 minute winter	PP-S36	23.000_2	S36	7.9	1.658	0.066	0.0237	

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Results for 30 year 30 minute summer. 1470 minute analysis at 1 minute timestep. Mass balance: 99.97%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	S26	32	0.577	0.815	29.2	1.4394	0.0000	SURCHARGED
30 minute summer	S25	31	0.576	0.820	31.5	2.0878	0.0000	SURCHARGED
30 minute summer	S16	32	0.577	0.844	87.3	3.7427	0.0000	SURCHARGED
30 minute summer	S145	31	0.583	0.898	85.8	3.8667	0.0000	SURCHARGED
30 minute summer	S4	32	0.598	0.841	36.3	1.4863	0.0000	SURCHARGED
30 minute summer	S5	31	0.605	0.889	86.2	1.5711	0.0000	SURCHARGED
30 minute summer	S9	24	0.589	0.885	12.0	2.0380	0.0000	SURCHARGED
30 minute summer	S10	25	0.583	0.904	21.7	1.5982	0.0000	SURCHARGED
30 minute summer	S11	30	0.581	0.907	109.3	1.6034	0.0000	SURCHARGED
30 minute summer	S12	33	0.578	0.913	119.6	1.6141	0.0000	SURCHARGED
30 minute summer	S1	32	0.576	0.840	22.2	1.9778	0.0000	SURCHARGED
30 minute summer	S3	26	0.579	0.886	43.3	2.8333	0.0000	SURCHARGED
30 minute summer	S2	33	0.585	0.921	35.4	1.6268	0.0000	SURCHARGED
30 minute summer	S14	31	0.576	0.885	17.0	1.5634	0.0000	SURCHARGED
30 minute summer	S15	33	0.583	0.929	156.3	4.1808	0.0000	SURCHARGED
30 minute summer	S75	32	0.579	0.941	149.4	2.3950	0.0000	SURCHARGED
30 minute summer	S87	30	0.577	0.863	32.9	2.8007	0.0000	SURCHARGED
30 minute summer	S88	26	0.577	0.885	57.9	2.8859	0.0000	SURCHARGED
30 minute summer	S89	29	0.581	0.911	77.3	2.9517	0.0000	SURCHARGED
30 minute summer	S90	26	0.582	0.934	95.5	2.9746	0.0000	SURCHARGED
30 minute summer	S92	29	0.576	0.955	145.2	2.4296	0.0000	SURCHARGED
30 minute summer	S81	26	0.580	0.882	32.9	2.8480	0.0000	SURCHARGED
30 minute summer	S82	26	0.577	0.901	57.2	2.9261	0.0000	SURCHARGED
30 minute summer	S83	26	0.574	0.919	76.9	2.9678	0.0000	SURCHARGED
30 minute summer	S84	26	0.568	0.935	93.1	2.9664	0.0000	SURCHARGED
30 minute summer	S86	26	0.568	0.961	108.1	2.4455	0.0000	SURCHARGED
30 minute summer	S76	30	0.549	0.866	32.9	2.7844	0.0000	SURCHARGED
30 minute summer	S77	27	0.556	0.895	57.0	2.8936	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	-25.9	-0.164	-0.366	9.2005	
30 minute summer	S25	2.000	S16	-27.9	-0.176	-0.396	7.3393	
30 minute summer	S16	1.001	S145	-51.2	-0.349	-0.718	15.0038	
30 minute summer	S145	1.002	S75	83.7	0.528	1.186	15.0038	
30 minute summer	S4	3.000	S5	-30.3	-0.284	-0.430	13.1095	
30 minute summer	S5	3.001	S11	-76.9	-0.486	-1.078	13.1095	
30 minute summer	S9	4.000	S10	10.1	0.260	0.144	8.0648	
30 minute summer	S10	4.001	S11	-21.7	0.375	-0.286	1.3780	
30 minute summer	S11	3.002	S12	-109.3	-0.690	-1.549	2.8740	
30 minute summer	S12	3.003	S15	-116.4	-0.735	-1.690	3.6838	
30 minute summer	S1	5.000	S3	15.3	0.114	0.215	13.5151	
30 minute summer	S3	5.001	S2	-30.6	0.323	-0.432	9.1848	
30 minute summer	S2	5.002	S15	-32.0	0.230	-0.470	3.4165	
30 minute summer	S14	6.000	S15	-17.0	-0.284	-0.241	11.8707	
30 minute summer	S15	3.004	S75	-116.5	-0.736	-1.627	4.9661	
30 minute summer	S75	1.003	S92	-145.8	-0.920	-2.048	5.3380	
30 minute summer	S87	7.000	S88	24.2	0.217	0.340	6.8747	
30 minute summer	S88	7.001	S89	43.6	0.321	0.611	6.8747	
30 minute summer	S89	7.002	S90	62.6	0.443	0.878	6.8747	
30 minute summer	S90	7.003	S92	78.5	0.554	1.114	8.6413	
30 minute summer	S92	1.005	S86	106.1	0.669	1.493	4.4095	
30 minute summer	S81	8.000	S82	23.5	0.216	0.330	6.8747	
30 minute summer	S82	8.001	S83	52.2	0.329	0.749	6.8747	
30 minute summer	S83	8.002	S84	67.0	0.423	0.939	6.8747	
30 minute summer	S84	8.003	S86	82.0	0.518	1.155	8.1975	
30 minute summer	S86	1.006	S30	105.3	0.665	1.484	4.4165	
30 minute summer	S76	9.000	S77	23.3	0.217	0.327	6.8747	
30 minute summer	S77	9.001	S78	46.6	0.294	0.653	6.8747	

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Results for 30 year 30 minute summer. 1470 minute analysis at 1 minute timestep. Mass balance: 99.97%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	S78	27	0.560	0.921	74.9	2.9597	0.0000	SURCHARGED
30 minute summer	S79	27	0.547	0.929	98.1	2.9334	0.0000	SURCHARGED
30 minute summer	S30	26	0.545	0.952	124.4	2.4218	0.0000	SURCHARGED
30 minute summer	S31	27	0.513	0.849	37.7	2.8107	0.0000	SURCHARGED
30 minute summer	S32	27	0.511	0.890	51.0	2.7473	0.0000	SURCHARGED
30 minute summer	S33	27	0.509	0.932	128.4	2.3711	0.0000	SURCHARGED
30 minute summer	S34	27	0.459	0.898	126.0	1.5873	0.0000	SURCHARGED
30 minute summer	S35	27	0.377	0.843	123.9	1.4899	0.0000	SURCHARGED
30 minute summer	S36	27	0.344	0.786	13.4	1.3891	0.0000	SURCHARGED
30 minute summer	S37	27	0.347	0.818	164.9	4.0212	0.0000	SURCHARGED
30 minute summer	S38	28	0.151	0.667	144.7	1.1781	0.0000	SURCHARGED
30 minute summer	S39	30	-0.040	0.522	143.6	0.9226	0.0000	SURCHARGED
30 minute summer	S56	31	-0.072	0.487	7.1	0.8598	0.0000	SURCHARGED
30 minute summer	S57	31	-0.072	0.493	143.3	1.2540	0.0000	SURCHARGED
30 minute summer	S125	30	-0.138	0.417	26.5	0.7361	0.0000	OK
30 minute summer	S127	31	-0.139	0.440	142.1	1.1186	0.0000	OK
30 minute summer	S119	31	-0.207	0.362	24.6	0.6398	0.0000	OK
30 minute summer	S60	31	-0.207	0.386	137.0	0.9832	0.0000	OK
30 minute summer	Pond Inlet 1	32	-0.321	0.289	136.5	0.5111	0.0000	OK
30 minute summer	Pond Outlet	1445	-0.491	0.119	112.8	0.1351	0.0000	OK
30 minute summer	S13	770	-0.491	0.147	1.0	0.5109	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	0.576	0.076	9.3	5.0195	0.0000	OK
30 minute summer	PP-S25	34	0.575	0.075	10.0	4.5583	0.0000	OK
30 minute summer	PP-S16	36	0.572	0.072	9.6	4.7320	0.0000	OK
30 minute summer	PP-S145	31	0.575	0.075	10.6	5.4466	0.0000	OK
30 minute summer	PP-S4	26	0.569	0.069	17.6	4.3370	0.0000	OK
30 minute summer	PP-S1	35	0.572	0.072	22.9	22.0085	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	74.0	0.467	1.063	6.8745	
30 minute summer	S79	9.003	S30	90.2	0.570	1.255	7.6907	
30 minute summer	S30	1.007	S33	120.3	0.759	1.689	5.0209	
30 minute summer	S31	10.000	S32	22.2	0.273	0.314	13.6740	
30 minute summer	S32	10.001	S33	54.2	0.342	0.758	13.6740	
30 minute summer	S33	1.008	S34	118.3	0.747	1.677	5.1108	
30 minute summer	S34	1.009	S35	122.4	0.772	1.723	8.5103	
30 minute summer	S35	1.010	S37	121.5	0.767	1.829	1.7947	
30 minute summer	S36	11.000	S37	8.7	-0.156	0.122	9.1184	
30 minute summer	S37	1.011	S38	144.7	0.914	2.047	14.3287	
30 minute summer	S38	1.012	S39	143.6	0.918	2.010	14.3287	
30 minute summer	S39	1.013	S57	143.3	0.955	2.261	1.1814	
30 minute summer	S56	12.011	S57	-7.1	-0.336	-0.104	2.0645	
30 minute summer	S57	1.014	S127	142.1	1.039	2.009	4.4349	
30 minute summer	S125	21.003	S127	-26.5	-0.432	-0.380	7.6607	
30 minute summer	S127	1.015	S60	136.8	1.042	1.921	4.1854	
30 minute summer	S119	22.003	S60	-24.6	-0.428	-0.352	6.9426	
30 minute summer	S60	1.016	Pond Inlet 1	136.5	1.069	1.803	3.7671	
30 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	112.8	0.050	0.002	602.3198	
30 minute summer	Pond Outlet	1.018	S13	1.0	0.314	0.015	0.2056	
30 minute summer	S13	Pump	Final Outfall	0.0				0.0
30 minute summer	PP-S26	1.000_1	S26	7.8	0.685	0.203	0.1763	
30 minute summer	PP-S25	2.000_1	S25	10.3	0.871	0.179	0.0903	
30 minute summer	PP-S16	3.000_1	S16	13.1	1.051	0.194	0.1018	
30 minute summer	PP-S145	4.000_2	S145	18.7	1.308	0.221	0.1267	
30 minute summer	PP-S4	1.000_2	S4	10.5	0.909	0.183	0.0979	
30 minute summer	PP-S1	4.000_1	S1	13.7	1.171	0.207	0.1002	

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Results for 30 year 30 minute summer. 1470 minute analysis at 1 minute timestep. Mass balance: 99.97%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	PP-S5	35	0.568	0.068	12.1	4.7132	0.0000	OK
30 minute summer	PP-S12	33	0.572	0.072	13.0	5.8285	0.0000	OK
30 minute summer	PP-S14	39	0.539	0.039	10.0	6.5370	0.0000	OK
30 minute summer	PP-S2	32	0.575	0.075	15.0	7.0277	0.0000	OK
30 minute summer	PP-S15	31	0.573	0.073	13.1	3.4691	0.0000	OK
30 minute summer	PP-S75	30	0.575	0.075	14.5	3.9452	0.0000	OK
30 minute summer	PP-S24	29	0.566	0.066	16.9	5.1402	0.0000	OK
30 minute summer	PP-S30	28	0.543	0.043	8.7	1.8509	0.0000	OK
30 minute summer	PP-S33	25	0.533	0.033	5.4	1.0606	0.0000	OK
30 minute summer	PP-S34	26	0.544	0.044	10.4	2.6042	0.0000	OK
30 minute summer	PP-S35	25	0.518	0.018	1.6	0.3360	0.0000	OK
30 minute summer	PP-S36	26	0.540	0.040	8.0	1.6453	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	13.6	1.236	0.184	0.1164	
30 minute summer	PP-S12	8.000_1	S12	19.5	1.068	0.215	0.1268	
30 minute summer	PP-S14	11.000_1	S14	-9.8	1.062	-0.118	0.1013	
30 minute summer	PP-S2	10.000_1	S2	16.6	1.136	0.182	0.1284	
30 minute summer	PP-S15	12.000_1	S15	16.1	1.186	0.171	0.1275	
30 minute summer	PP-S75	13.000_1	S75	15.8	1.188	0.160	0.1281	
30 minute summer	PP-S24	14.000_1	S92	17.1	1.588	0.167	0.1235	
30 minute summer	PP-S30	18.000_1	S30	9.0	1.298	0.081	0.1127	
30 minute summer	PP-S33	20.000_1	S33	5.3	1.401	0.046	0.1083	
30 minute summer	PP-S34	21.000_1	S34	10.0	1.710	0.084	0.1115	
30 minute summer	PP-S35	22.000_2	S35	1.6	1.055	0.013	0.0786	
30 minute summer	PP-S36	23.000_2	S36	8.2	1.634	0.069	0.0560	

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Results for 30 year 30 minute winter. 1470 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
30 minute winter	S26	36	0.645	0.883	27.3	1.5610	0.0000	SURCHARGED
30 minute winter	S25	40	0.621	0.865	25.3	2.2007	0.0000	SURCHARGED
30 minute winter	S16	32	0.607	0.874	108.0	3.8753	0.0000	SURCHARGED
30 minute winter	S145	38	0.635	0.950	77.0	4.0927	0.0000	SURCHARGED
30 minute winter	S4	34	0.614	0.857	38.6	1.5150	0.0000	SURCHARGED
30 minute winter	S5	30	0.607	0.891	102.8	1.5741	0.0000	SURCHARGED
30 minute winter	S9	23	0.709	1.005	16.1	2.3145	0.0000	SURCHARGED
30 minute winter	S10	23	0.637	0.958	24.0	1.6928	0.0000	SURCHARGED
30 minute winter	S11	23	0.623	0.949	112.8	1.6773	0.0000	SURCHARGED
30 minute winter	S12	35	0.613	0.948	130.3	1.6743	0.0000	SURCHARGED
30 minute winter	S1	23	0.604	0.868	20.3	2.0443	0.0000	SURCHARGED
30 minute winter	S3	23	0.602	0.909	52.3	2.9079	0.0000	SURCHARGED
30 minute winter	S2	35	0.607	0.943	35.4	1.6657	0.0000	SURCHARGED
30 minute winter	S14	32	0.604	0.913	26.5	1.6128	0.0000	SURCHARGED
30 minute winter	S15	35	0.604	0.950	182.2	4.2751	0.0000	SURCHARGED
30 minute winter	S75	32	0.597	0.959	159.6	2.4399	0.0000	SURCHARGED
30 minute winter	S87	24	0.654	0.940	29.8	3.0509	0.0000	SURCHARGED
30 minute winter	S88	24	0.636	0.944	52.6	3.0779	0.0000	SURCHARGED
30 minute winter	S89	24	0.615	0.945	75.1	3.0634	0.0000	SURCHARGED
30 minute winter	S90	24	0.605	0.957	88.3	3.0474	0.0000	SURCHARGED
30 minute winter	S92	30	0.596	0.975	160.2	2.4807	0.0000	SURCHARGED
30 minute winter	S81	24	0.630	0.932	29.8	3.0097	0.0000	SURCHARGED
30 minute winter	S82	24	0.619	0.943	51.7	3.0618	0.0000	SURCHARGED
30 minute winter	S83	24	0.619	0.964	68.8	3.1130	0.0000	SURCHARGED
30 minute winter	S84	24	0.622	0.989	89.3	3.1382	0.0000	SURCHARGED
30 minute winter	S86	24	0.601	0.994	114.6	2.5309	0.0000	SURCHARGED
30 minute winter	S76	24	0.610	0.927	29.8	2.9797	0.0000	SURCHARGED
30 minute winter	S77	24	0.606	0.945	51.5	3.0559	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	-24.0	-0.155	-0.339	9.2005	
30 minute winter	S25	2.000	S16	-21.8	-0.140	-0.309	7.3393	
30 minute winter	S16	1.001	S145	-69.9	-0.441	-0.980	15.0038	
30 minute winter	S145	1.002	S75	48.3	0.337	0.684	15.0038	
30 minute winter	S4	3.000	S5	-32.5	-0.275	-0.460	13.1095	
30 minute winter	S5	3.001	S11	-93.1	-0.588	-1.305	13.1095	
30 minute winter	S9	4.000	S10	20.5	0.287	0.292	8.0648	
30 minute winter	S10	4.001	S11	-24.0	0.404	-0.316	1.3780	
30 minute winter	S11	3.002	S12	-112.8	-0.719	-1.599	2.8740	
30 minute winter	S12	3.003	S15	-126.9	-0.801	-1.843	3.6838	
30 minute winter	S1	5.000	S3	27.3	0.172	0.384	13.5151	
30 minute winter	S3	5.001	S2	-31.1	0.353	-0.439	9.1848	
30 minute winter	S2	5.002	S15	29.8	0.248	0.437	3.4165	
30 minute winter	S14	6.000	S15	-26.5	-0.309	-0.377	11.8707	
30 minute winter	S15	3.004	S75	-130.8	-0.826	-1.828	4.9661	
30 minute winter	S75	1.003	S92	-155.6	-0.982	-2.187	5.3380	
30 minute winter	S87	7.000	S88	22.1	0.225	0.310	6.8747	
30 minute winter	S88	7.001	S89	49.1	0.310	0.689	6.8747	
30 minute winter	S89	7.002	S90	58.5	0.412	0.820	6.8747	
30 minute winter	S90	7.003	S92	74.8	0.514	1.061	8.6413	
30 minute winter	S92	1.005	S86	112.8	0.712	1.587	4.4095	
30 minute winter	S81	8.000	S82	21.9	0.224	0.308	6.8747	
30 minute winter	S82	8.001	S83	38.9	0.285	0.558	6.8747	
30 minute winter	S83	8.002	S84	64.1	0.405	0.898	6.8747	
30 minute winter	S84	8.003	S86	87.3	0.551	1.230	8.1975	
30 minute winter	S86	1.006	S30	114.2	0.721	1.609	4.4165	
30 minute winter	S76	9.000	S77	21.2	0.225	0.297	6.8747	
30 minute winter	S77	9.001	S78	44.5	0.281	0.624	6.8747	

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Results for 30 year 30 minute winter. 1470 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
30 minute winter	S78	24	0.604	0.965	70.5	3.1026	0.0000	SURCHARGED
30 minute winter	S79	24	0.599	0.981	88.7	3.0983	0.0000	SURCHARGED
30 minute winter	S30	24	0.587	0.994	119.5	2.5310	0.0000	SURCHARGED
30 minute winter	S31	28	0.552	0.888	32.1	2.9412	0.0000	SURCHARGED
30 minute winter	S32	25	0.557	0.936	54.4	2.8893	0.0000	SURCHARGED
30 minute winter	S33	25	0.555	0.978	126.2	2.4889	0.0000	SURCHARGED
30 minute winter	S34	25	0.514	0.953	125.4	1.6832	0.0000	SURCHARGED
30 minute winter	S35	25	0.433	0.899	121.7	1.5888	0.0000	SURCHARGED
30 minute winter	S36	25	0.403	0.845	12.4	1.4923	0.0000	SURCHARGED
30 minute winter	S37	25	0.405	0.876	167.1	4.3063	0.0000	SURCHARGED
30 minute winter	S38	27	0.189	0.705	155.4	1.2449	0.0000	SURCHARGED
30 minute winter	S39	28	-0.013	0.549	153.7	0.9694	0.0000	SURCHARGED
30 minute winter	S56	28	-0.049	0.510	6.4	0.9009	0.0000	SURCHARGED
30 minute winter	S57	28	-0.049	0.516	153.1	1.3126	0.0000	SURCHARGED
30 minute winter	S125	29	-0.123	0.432	23.9	0.7627	0.0000	OK
30 minute winter	S127	29	-0.123	0.456	150.2	1.1598	0.0000	SURCHARGED
30 minute winter	S119	30	-0.195	0.374	28.0	0.6614	0.0000	OK
30 minute winter	S60	29	-0.195	0.398	143.9	1.0137	0.0000	OK
30 minute winter	Pond Inlet 1	30	-0.312	0.298	142.6	0.5259	0.0000	OK
30 minute winter	Pond Outlet	1459	-0.477	0.133	117.6	0.1503	0.0000	OK
30 minute winter	S13	902	-0.477	0.161	1.0	0.5577	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	0.607	0.107	12.0	8.4695	0.0000	OK
30 minute winter	PP-S25	34	0.605	0.105	19.9	7.4458	0.0000	OK
30 minute winter	PP-S16	34	0.605	0.105	16.1	9.9473	0.0000	OK
30 minute winter	PP-S145	30	0.597	0.097	20.0	8.8882	0.0000	OK
30 minute winter	PP-S4	33	0.608	0.108	30.8	10.1302	0.0000	OK
30 minute winter	PP-S1	38	0.595	0.095	31.1	30.2272	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	63.4	0.400	0.910	6.8745	
30 minute winter	S79	9.003	S30	87.4	0.551	1.215	7.6907	
30 minute winter	S30	1.007	S33	115.3	0.728	1.620	5.0209	
30 minute winter	S31	10.000	S32	30.4	0.288	0.431	13.6740	
30 minute winter	S32	10.001	S33	45.6	0.359	0.637	13.6740	
30 minute winter	S33	1.008	S34	117.7	0.743	1.668	5.1108	
30 minute winter	S34	1.009	S35	120.5	0.761	1.697	8.5103	
30 minute winter	S35	1.010	S37	122.2	0.771	1.839	1.7947	
30 minute winter	S36	11.000	S37	12.2	-0.166	0.172	9.1184	
30 minute winter	S37	1.011	S38	155.4	0.981	2.200	14.3287	
30 minute winter	S38	1.012	S39	153.7	0.970	2.151	14.3287	
30 minute winter	S39	1.013	S57	153.1	0.968	2.416	1.1814	
30 minute winter	S56	12.011	S57	-6.4	-0.319	-0.094	2.0645	
30 minute winter	S57	1.014	S127	150.2	1.087	2.124	4.4483	
30 minute winter	S125	21.003	S127	-23.9	-0.434	-0.342	7.7619	
30 minute winter	S127	1.015	S60	143.9	1.073	2.020	4.2481	
30 minute winter	S119	22.003	S60	-28.0	-0.415	-0.401	7.1334	
30 minute winter	S60	1.016	Pond Inlet 1	142.6	1.086	1.883	3.8731	
30 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	117.6	0.051	0.002	673.7011	
30 minute winter	Pond Outlet	1.018	S13	1.0	0.319	0.014	0.2329	
30 minute winter	S13	Pump	Final Outfall	0.0				0.0
30 minute winter	PP-S26	1.000_1	S26	12.2	0.703	0.316	0.2778	
30 minute winter	PP-S25	2.000_1	S25	-14.3	0.894	-0.248	0.1279	
30 minute winter	PP-S16	3.000_1	S16	20.3	1.058	0.300	0.1348	
30 minute winter	PP-S145	4.000_2	S145	22.1	1.316	0.262	0.1401	
30 minute winter	PP-S4	1.000_2	S4	-21.7	-1.078	-0.380	0.1286	
30 minute winter	PP-S1	4.000_1	S1	18.3	1.226	0.277	0.1271	

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Results for 30 year 30 minute winter. 1470 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
30 minute winter	PP-S5	29	0.597	0.097	23.6	9.4599	0.0000	OK
30 minute winter	PP-S12	33	0.602	0.102	21.5	9.1448	0.0000	OK
30 minute winter	PP-S14	41	0.566	0.066	26.8	18.4155	0.0000	OK
30 minute winter	PP-S2	33	0.601	0.101	17.8	9.9752	0.0000	OK
30 minute winter	PP-S15	33	0.600	0.100	15.9	5.0457	0.0000	OK
30 minute winter	PP-S75	32	0.598	0.098	16.9	5.4519	0.0000	OK
30 minute winter	PP-S24	29	0.593	0.093	27.3	9.4809	0.0000	OK
30 minute winter	PP-S30	27	0.571	0.071	19.0	3.5233	0.0000	OK
30 minute winter	PP-S33	26	0.552	0.052	12.5	2.2776	0.0000	OK
30 minute winter	PP-S34	26	0.546	0.046	11.6	2.7757	0.0000	OK
30 minute winter	PP-S35	25	0.518	0.018	1.8	0.3550	0.0000	OK
30 minute winter	PP-S36	25	0.541	0.041	8.9	1.7273	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	21.8	1.247	0.295	0.1361	
30 minute winter	PP-S12	8.000_1	S12	25.3	1.080	0.278	0.1431	
30 minute winter	PP-S14	11.000_1	S14	-26.6	1.351	-0.321	0.1218	
30 minute winter	PP-S2	10.000_1	S2	25.1	1.113	0.275	0.1427	
30 minute winter	PP-S15	12.000_1	S15	21.1	1.179	0.223	0.1419	
30 minute winter	PP-S75	13.000_1	S75	23.2	1.196	0.235	0.1407	
30 minute winter	PP-S24	14.000_1	S92	30.2	1.575	0.294	0.1383	
30 minute winter	PP-S30	18.000_1	S30	22.0	1.254	0.198	0.1262	
30 minute winter	PP-S33	20.000_1	S33	10.7	1.366	0.093	0.1169	
30 minute winter	PP-S34	21.000_1	S34	10.7	1.679	0.090	0.1137	
30 minute winter	PP-S35	22.000_2	S35	1.7	1.040	0.014	0.1016	
30 minute winter	PP-S36	23.000_2	S36	8.6	1.635	0.072	0.0885	

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Results for 30 year 60 minute summer. 1500 minute analysis at 1 minute timestep. Mass balance: 99.93%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute summer	S26	53	0.630	0.868	20.3	1.5334	0.0000	SURCHARGED
60 minute summer	S25	54	0.630	0.874	19.4	2.2255	0.0000	SURCHARGED
60 minute summer	S16	52	0.611	0.878	84.9	3.8945	0.0000	SURCHARGED
60 minute summer	S145	47	0.620	0.935	62.0	4.0259	0.0000	SURCHARGED
60 minute summer	S4	52	0.604	0.847	47.1	1.4964	0.0000	SURCHARGED
60 minute summer	S5	47	0.610	0.894	50.0	1.5795	0.0000	SURCHARGED
60 minute summer	S9	39	0.621	0.917	13.7	2.1132	0.0000	SURCHARGED
60 minute summer	S10	38	0.613	0.934	34.7	1.6511	0.0000	SURCHARGED
60 minute summer	S11	38	0.610	0.936	88.2	1.6545	0.0000	SURCHARGED
60 minute summer	S12	52	0.595	0.930	93.4	1.6428	0.0000	SURCHARGED
60 minute summer	S1	55	0.600	0.864	23.1	2.0349	0.0000	SURCHARGED
60 minute summer	S3	52	0.601	0.908	47.3	2.9032	0.0000	SURCHARGED
60 minute summer	S2	52	0.595	0.931	33.1	1.6443	0.0000	SURCHARGED
60 minute summer	S14	52	0.592	0.901	23.9	1.5923	0.0000	SURCHARGED
60 minute summer	S15	49	0.595	0.941	132.8	4.2344	0.0000	SURCHARGED
60 minute summer	S75	48	0.591	0.953	122.2	2.4245	0.0000	SURCHARGED
60 minute summer	S87	39	0.664	0.950	24.2	3.0810	0.0000	SURCHARGED
60 minute summer	S88	39	0.659	0.967	42.7	3.1525	0.0000	SURCHARGED
60 minute summer	S89	39	0.636	0.966	56.9	3.1308	0.0000	SURCHARGED
60 minute summer	S90	39	0.619	0.971	70.8	3.0925	0.0000	SURCHARGED
60 minute summer	S92	40	0.597	0.976	119.0	2.4835	0.0000	SURCHARGED
60 minute summer	S81	40	0.630	0.932	24.2	3.0096	0.0000	SURCHARGED
60 minute summer	S82	39	0.626	0.950	42.4	3.0855	0.0000	SURCHARGED
60 minute summer	S83	40	0.627	0.972	62.9	3.1369	0.0000	SURCHARGED
60 minute summer	S84	40	0.624	0.991	70.3	3.1427	0.0000	SURCHARGED
60 minute summer	S86	40	0.604	0.997	109.7	2.5375	0.0000	SURCHARGED
60 minute summer	S76	40	0.616	0.933	24.2	2.9981	0.0000	SURCHARGED
60 minute summer	S77	40	0.621	0.960	42.1	3.1038	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	17.8	0.112	0.251	9.2005	
60 minute summer	S25	2.000	S16	-16.2	-0.105	-0.229	7.3393	
60 minute summer	S16	1.001	S145	-53.3	-0.336	-0.747	15.0038	
60 minute summer	S145	1.002	S75	47.2	0.298	0.669	15.0038	
60 minute summer	S4	3.000	S5	-41.2	-0.260	-0.584	13.1095	
60 minute summer	S5	3.001	S11	-41.4	-0.269	-0.580	13.1095	
60 minute summer	S9	4.000	S10	34.7	0.219	0.495	8.0648	
60 minute summer	S10	4.001	S11	38.1	0.333	0.501	1.3780	
60 minute summer	S11	3.002	S12	-88.2	-0.557	-1.250	2.8740	
60 minute summer	S12	3.003	S15	-90.6	-0.572	-1.316	3.6838	
60 minute summer	S1	5.000	S3	20.2	0.128	0.284	13.5151	
60 minute summer	S3	5.001	S2	-29.8	0.241	-0.421	9.1848	
60 minute summer	S2	5.002	S15	32.8	0.207	0.482	3.4165	
60 minute summer	S14	6.000	S15	-23.9	-0.168	-0.339	11.8707	
60 minute summer	S15	3.004	S75	-101.2	-0.639	-1.413	4.9661	
60 minute summer	S75	1.003	S92	-118.8	-0.750	-1.669	5.3380	
60 minute summer	S87	7.000	S88	17.8	0.185	0.249	6.8747	
60 minute summer	S88	7.001	S89	32.0	0.240	0.449	6.8747	
60 minute summer	S89	7.002	S90	46.6	0.330	0.653	6.8747	
60 minute summer	S90	7.003	S92	59.6	0.405	0.846	8.6413	
60 minute summer	S92	1.005	S86	109.7	0.692	1.544	4.4095	
60 minute summer	S81	8.000	S82	17.5	0.184	0.246	6.8747	
60 minute summer	S82	8.001	S83	41.8	0.264	0.600	6.8747	
60 minute summer	S83	8.002	S84	49.0	0.313	0.686	6.8747	
60 minute summer	S84	8.003	S86	60.2	0.390	0.848	8.1975	
60 minute summer	S86	1.006	S30	110.8	0.699	1.560	4.4165	
60 minute summer	S76	9.000	S77	19.8	0.185	0.277	6.8747	
60 minute summer	S77	9.001	S78	33.3	0.217	0.466	6.8747	

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Results for 30 year 60 minute summer. 1500 minute analysis at 1 minute timestep. Mass balance: 99.93%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute summer	S78	40	0.614	0.975	55.8	3.1349	0.0000	SURCHARGED
60 minute summer	S79	40	0.611	0.993	77.4	3.1370	0.0000	SURCHARGED
60 minute summer	S30	40	0.594	1.001	114.2	2.5471	0.0000	SURCHARGED
60 minute summer	S31	40	0.561	0.897	26.1	2.9708	0.0000	SURCHARGED
60 minute summer	S32	40	0.562	0.941	42.0	2.9061	0.0000	SURCHARGED
60 minute summer	S33	40	0.558	0.981	119.0	2.4961	0.0000	SURCHARGED
60 minute summer	S34	40	0.511	0.950	122.1	1.6782	0.0000	SURCHARGED
60 minute summer	S35	41	0.422	0.888	122.6	1.5697	0.0000	SURCHARGED
60 minute summer	S36	41	0.395	0.837	8.0	1.4794	0.0000	SURCHARGED
60 minute summer	S37	41	0.395	0.866	151.6	4.2577	0.0000	SURCHARGED
60 minute summer	S38	41	0.185	0.701	149.8	1.2393	0.0000	SURCHARGED
60 minute summer	S39	42	-0.018	0.544	149.2	0.9608	0.0000	SURCHARGED
60 minute summer	S56	43	-0.054	0.505	3.5	0.8932	0.0000	SURCHARGED
60 minute summer	S57	43	-0.054	0.511	148.0	1.3014	0.0000	SURCHARGED
60 minute summer	S125	44	-0.127	0.428	10.8	0.7565	0.0000	OK
60 minute summer	S127	43	-0.127	0.452	146.5	1.1508	0.0000	SURCHARGED
60 minute summer	S119	44	-0.197	0.372	8.0	0.6576	0.0000	OK
60 minute summer	S60	43	-0.197	0.396	142.5	1.0080	0.0000	OK
60 minute summer	Pond Inlet 1	44	-0.314	0.296	141.4	0.5235	0.0000	OK
60 minute summer	Pond Outlet	1486	-0.464	0.146	122.7	0.1651	0.0000	OK
60 minute summer	S13	1177	-0.464	0.174	1.1	0.6030	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	51	0.597	0.097	10.0	7.4169	0.0000	OK
60 minute summer	PP-S25	50	0.596	0.096	10.3	6.6107	0.0000	OK
60 minute summer	PP-S16	50	0.595	0.095	12.8	8.3024	0.0000	OK
60 minute summer	PP-S145	46	0.588	0.088	18.7	7.4517	0.0000	OK
60 minute summer	PP-S4	51	0.598	0.098	15.3	8.4969	0.0000	OK
60 minute summer	PP-S1	55	0.591	0.091	26.2	28.9490	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	56.8	0.359	0.816	6.8745	
60 minute summer	S79	9.003	S30	74.0	0.467	1.029	7.6907	
60 minute summer	S30	1.007	S33	112.8	0.712	1.585	5.0209	
60 minute summer	S31	10.000	S32	23.8	0.200	0.337	13.6740	
60 minute summer	S32	10.001	S33	36.2	0.271	0.505	13.6740	
60 minute summer	S33	1.008	S34	118.9	0.750	1.685	5.1108	
60 minute summer	S34	1.009	S35	122.1	0.771	1.719	8.5103	
60 minute summer	S35	1.010	S37	122.9	0.776	1.850	1.7947	
60 minute summer	S36	11.000	S37	8.7	-0.090	0.122	9.1184	
60 minute summer	S37	1.011	S38	149.8	0.946	2.121	14.3287	
60 minute summer	S38	1.012	S39	149.2	0.942	2.088	14.3287	
60 minute summer	S39	1.013	S57	148.0	0.934	2.336	1.1814	
60 minute summer	S56	12.011	S57	-3.5	-0.246	-0.051	2.0645	
60 minute summer	S57	1.014	S127	146.5	0.925	2.072	4.4473	
60 minute summer	S125	21.003	S127	-10.8	-0.252	-0.154	7.7445	
60 minute summer	S127	1.015	S60	142.5	0.935	2.001	4.2385	
60 minute summer	S119	22.003	S60	-8.0	-0.226	-0.115	7.1008	
60 minute summer	S60	1.016	Pond Inlet 1	141.4	1.081	1.867	3.8537	
60 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	122.7	0.051	0.003	743.4438	
60 minute summer	Pond Outlet	1.018	S13	1.1	0.318	0.015	0.2593	
60 minute summer	S13	Pump	Final Outfall	0.0				0.0
60 minute summer	PP-S26	1.000_1	S26	11.9	0.696	0.309	0.2551	
60 minute summer	PP-S25	2.000_1	S25	12.3	0.821	0.214	0.1275	
60 minute summer	PP-S16	3.000_1	S16	15.5	1.024	0.230	0.1286	
60 minute summer	PP-S145	4.000_2	S145	22.6	1.271	0.267	0.1355	
60 minute summer	PP-S4	1.000_2	S4	15.5	0.872	0.272	0.1182	
60 minute summer	PP-S1	4.000_1	S1	17.7	1.151	0.266	0.1235	

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Results for 30 year 60 minute summer. 1500 minute analysis at 1 minute timestep. Mass balance: 99.93%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute summer	PP-S5	46	0.589	0.089	25.3	7.8626	0.0000	OK
60 minute summer	PP-S12	50	0.591	0.091	17.3	7.9383	0.0000	OK
60 minute summer	PP-S14	64	0.566	0.066	23.8	18.2851	0.0000	OK
60 minute summer	PP-S2	50	0.590	0.090	17.4	8.7019	0.0000	OK
60 minute summer	PP-S15	53	0.591	0.091	13.9	4.5461	0.0000	OK
60 minute summer	PP-S75	49	0.587	0.087	17.7	4.7397	0.0000	OK
60 minute summer	PP-S24	44	0.581	0.081	25.9	7.5645	0.0000	OK
60 minute summer	PP-S30	42	0.568	0.068	19.2	3.3408	0.0000	OK
60 minute summer	PP-S33	41	0.548	0.048	13.3	1.9894	0.0000	OK
60 minute summer	PP-S34	41	0.542	0.042	9.8	2.3963	0.0000	OK
60 minute summer	PP-S35	40	0.517	0.017	1.5	0.3191	0.0000	OK
60 minute summer	PP-S36	39	0.538	0.038	7.6	1.4964	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	20.6	1.207	0.278	0.1327	
60 minute summer	PP-S12	8.000_1	S12	25.5	1.051	0.281	0.1371	
60 minute summer	PP-S14	11.000_1	S14	-23.6	1.353	-0.285	0.1182	
60 minute summer	PP-S2	10.000_1	S2	25.5	1.091	0.279	0.1364	
60 minute summer	PP-S15	12.000_1	S15	18.2	1.135	0.194	0.1373	
60 minute summer	PP-S75	13.000_1	S75	23.8	1.150	0.241	0.1347	
60 minute summer	PP-S24	14.000_1	S92	26.2	1.524	0.255	0.1317	
60 minute summer	PP-S30	18.000_1	S30	15.7	1.233	0.141	0.1247	
60 minute summer	PP-S33	20.000_1	S33	10.0	1.343	0.088	0.1148	
60 minute summer	PP-S34	21.000_1	S34	9.2	1.647	0.077	0.1123	
60 minute summer	PP-S35	22.000_2	S35	1.4	1.012	0.012	0.0982	
60 minute summer	PP-S36	23.000_2	S36	7.4	1.588	0.062	0.0835	

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Results for 30 year 60 minute winter. 1500 minute analysis at 1 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
60 minute winter	S26	65	0.647	0.885	14.5	1.5633	0.0000	SURCHARGED
60 minute winter	S25	61	0.628	0.872	20.0	2.2183	0.0000	SURCHARGED
60 minute winter	S16	61	0.629	0.896	65.9	3.9742	0.0000	SURCHARGED
60 minute winter	S145	63	0.641	0.956	56.4	4.1178	0.0000	SURCHARGED
60 minute winter	S4	59	0.635	0.878	20.5	1.5523	0.0000	SURCHARGED
60 minute winter	S5	55	0.635	0.919	42.6	1.6247	0.0000	SURCHARGED
60 minute winter	S9	63	0.634	0.930	16.6	2.1438	0.0000	SURCHARGED
60 minute winter	S10	59	0.631	0.952	20.3	1.6827	0.0000	SURCHARGED
60 minute winter	S11	59	0.628	0.954	69.0	1.6864	0.0000	SURCHARGED
60 minute winter	S12	59	0.618	0.953	75.2	1.6843	0.0000	SURCHARGED
60 minute winter	S1	61	0.641	0.905	24.6	2.1314	0.0000	SURCHARGED
60 minute winter	S3	62	0.623	0.930	38.8	2.9746	0.0000	SURCHARGED
60 minute winter	S2	52	0.617	0.953	38.7	1.6843	0.0000	SURCHARGED
60 minute winter	S14	48	0.615	0.924	30.3	1.6324	0.0000	SURCHARGED
60 minute winter	S15	49	0.614	0.960	108.4	4.3222	0.0000	SURCHARGED
60 minute winter	S75	49	0.615	0.977	120.7	2.4861	0.0000	SURCHARGED
60 minute winter	S87	38	0.698	0.984	19.6	3.1916	0.0000	SURCHARGED
60 minute winter	S88	38	0.693	1.001	37.3	3.2656	0.0000	SURCHARGED
60 minute winter	S89	38	0.667	0.997	51.7	3.2308	0.0000	SURCHARGED
60 minute winter	S90	38	0.650	1.002	63.1	3.1919	0.0000	SURCHARGED
60 minute winter	S92	39	0.623	1.002	117.4	2.5493	0.0000	SURCHARGED
60 minute winter	S81	38	0.685	0.987	19.6	3.1885	0.0000	SURCHARGED
60 minute winter	S82	38	0.687	1.011	34.3	3.2831	0.0000	SURCHARGED
60 minute winter	S83	39	0.673	1.018	46.4	3.2859	0.0000	SURCHARGED
60 minute winter	S84	38	0.662	1.029	64.7	3.2628	0.0000	SURCHARGED
60 minute winter	S86	38	0.631	1.024	116.4	2.6072	0.0000	SURCHARGED
60 minute winter	S76	39	0.670	0.987	19.6	3.1741	0.0000	SURCHARGED
60 minute winter	S77	39	0.667	1.006	39.1	3.2509	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	17.8	0.112	0.252	9.2005	
60 minute winter	S25	2.000	S16	19.9	0.126	0.282	7.3393	
60 minute winter	S16	1.001	S145	-36.6	-0.231	-0.513	15.0038	
60 minute winter	S145	1.002	S75	45.3	0.290	0.642	15.0038	
60 minute winter	S4	3.000	S5	16.6	-0.121	0.235	13.1095	
60 minute winter	S5	3.001	S11	-34.6	-0.221	-0.484	13.1095	
60 minute winter	S9	4.000	S10	20.3	0.207	0.289	8.0648	
60 minute winter	S10	4.001	S11	32.4	0.346	0.426	1.3780	
60 minute winter	S11	3.002	S12	-69.0	-0.436	-0.978	2.8740	
60 minute winter	S12	3.003	S15	-72.4	-0.457	-1.051	3.6838	
60 minute winter	S1	5.000	S3	23.4	0.148	0.329	13.5151	
60 minute winter	S3	5.001	S2	34.6	0.259	0.489	9.1848	
60 minute winter	S2	5.002	S15	33.6	0.212	0.493	3.4165	
60 minute winter	S14	6.000	S15	-30.3	-0.191	-0.431	11.8707	
60 minute winter	S15	3.004	S75	83.7	0.528	1.169	4.9661	
60 minute winter	S75	1.003	S92	114.1	0.720	1.603	5.3380	
60 minute winter	S87	7.000	S88	19.3	0.196	0.270	6.8747	
60 minute winter	S88	7.001	S89	33.7	0.233	0.472	6.8747	
60 minute winter	S89	7.002	S90	49.1	0.310	0.689	6.8747	
60 minute winter	S90	7.003	S92	64.9	0.410	0.921	8.6413	
60 minute winter	S92	1.005	S86	116.4	0.735	1.638	4.4095	
60 minute winter	S81	8.000	S82	19.4	0.195	0.272	6.8747	
60 minute winter	S82	8.001	S83	32.0	0.229	0.459	6.8747	
60 minute winter	S83	8.002	S84	50.8	0.320	0.712	6.8747	
60 minute winter	S84	8.003	S86	67.2	0.424	0.947	8.1975	
60 minute winter	S86	1.006	S30	116.7	0.736	1.643	4.4165	
60 minute winter	S76	9.000	S77	19.4	0.196	0.272	6.8747	
60 minute winter	S77	9.001	S78	35.1	0.230	0.491	6.8747	

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Results for 30 year 60 minute winter. 1500 minute analysis at 1 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
60 minute winter	S78	39	0.659	1.020	49.5	3.2776	0.0000	SURCHARGED
60 minute winter	S79	39	0.645	1.027	63.0	3.2434	0.0000	SURCHARGED
60 minute winter	S30	39	0.618	1.025	130.5	2.6085	0.0000	SURCHARGED
60 minute winter	S31	40	0.599	0.935	21.2	3.0972	0.0000	SURCHARGED
60 minute winter	S32	40	0.588	0.967	35.6	2.9850	0.0000	SURCHARGED
60 minute winter	S33	39	0.583	1.006	126.8	2.5606	0.0000	SURCHARGED
60 minute winter	S34	40	0.538	0.977	124.9	1.7255	0.0000	SURCHARGED
60 minute winter	S35	40	0.461	0.927	124.8	1.6382	0.0000	SURCHARGED
60 minute winter	S36	40	0.436	0.878	7.3	1.5517	0.0000	SURCHARGED
60 minute winter	S37	40	0.434	0.905	156.6	4.4472	0.0000	SURCHARGED
60 minute winter	S38	41	0.212	0.728	153.6	1.2869	0.0000	SURCHARGED
60 minute winter	S39	43	0.002	0.564	152.6	0.9974	0.0000	SURCHARGED
60 minute winter	S56	43	-0.035	0.524	2.7	0.9263	0.0000	SURCHARGED
60 minute winter	S57	43	-0.035	0.530	151.3	1.3492	0.0000	SURCHARGED
60 minute winter	S125	44	-0.115	0.440	7.7	0.7782	0.0000	OK
60 minute winter	S127	43	-0.114	0.465	149.6	1.1836	0.0000	SURCHARGED
60 minute winter	S119	44	-0.187	0.382	7.3	0.6746	0.0000	OK
60 minute winter	S60	44	-0.187	0.406	146.6	1.0326	0.0000	OK
60 minute winter	Pond Inlet 1	44	-0.306	0.304	146.2	0.5365	0.0000	OK
60 minute winter	Pond Outlet	1440	-0.447	0.163	127.9	0.1838	0.0000	OK
60 minute winter	S13	955	-0.447	0.191	1.1	0.6602	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	52	0.628	0.128	13.6	10.7840	0.0000	OK
60 minute winter	PP-S25	54	0.625	0.125	22.1	9.3466	0.0000	OK
60 minute winter	PP-S16	52	0.626	0.126	17.9	13.5425	0.0000	OK
60 minute winter	PP-S145	50	0.620	0.120	22.5	13.0734	0.0000	OK
60 minute winter	PP-S4	53	0.623	0.123	14.2	12.4324	0.0000	OK
60 minute winter	PP-S1	56	0.613	0.113	30.1	36.7372	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	49.1	0.310	0.704	6.8745	
60 minute winter	S79	9.003	S30	63.2	0.399	0.879	7.6907	
60 minute winter	S30	1.007	S33	117.8	0.743	1.654	5.0209	
60 minute winter	S31	10.000	S32	18.1	0.215	0.256	13.6740	
60 minute winter	S32	10.001	S33	33.4	0.292	0.467	13.6740	
60 minute winter	S33	1.008	S34	120.1	0.758	1.703	5.1108	
60 minute winter	S34	1.009	S35	124.2	0.784	1.748	8.5103	
60 minute winter	S35	1.010	S37	124.9	0.788	1.879	1.7947	
60 minute winter	S36	11.000	S37	7.5	-0.100	0.105	9.1184	
60 minute winter	S37	1.011	S38	153.6	0.969	2.173	14.3287	
60 minute winter	S38	1.012	S39	152.6	0.963	2.136	14.3287	
60 minute winter	S39	1.013	S57	151.3	0.955	2.388	1.1814	
60 minute winter	S56	12.011	S57	-2.7	-0.251	-0.040	2.0645	
60 minute winter	S57	1.014	S127	149.6	0.945	2.116	4.4483	
60 minute winter	S125	21.003	S127	-7.7	-0.277	-0.110	7.7942	
60 minute winter	S127	1.015	S60	146.6	0.947	2.058	4.2771	
60 minute winter	S119	22.003	S60	-7.3	-0.252	-0.104	7.2470	
60 minute winter	S60	1.016	Pond Inlet 1	146.2	1.092	1.930	3.9431	
60 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	127.9	0.052	0.003	831.6164	
60 minute winter	Pond Outlet	1.018	S13	1.1	0.322	0.015	0.2924	
60 minute winter	S13	Pump	Final Outfall	0.0				0.0
60 minute winter	PP-S26	1.000_1	S26	13.0	0.690	0.339	0.2885	
60 minute winter	PP-S25	2.000_1	S25	-17.4	-1.089	-0.303	0.1451	
60 minute winter	PP-S16	3.000_1	S16	19.5	1.024	0.290	0.1534	
60 minute winter	PP-S145	4.000_2	S145	25.3	1.268	0.299	0.1532	
60 minute winter	PP-S4	1.000_2	S4	20.5	0.873	0.359	0.1425	
60 minute winter	PP-S1	4.000_1	S1	21.2	1.202	0.320	0.1456	

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Results for 30 year 60 minute winter. 1500 minute analysis at 1 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
60 minute winter	PP-S5	52	0.620	0.120	19.8	13.9896	0.0000	OK
60 minute winter	PP-S12	50	0.617	0.117	19.9	10.8193	0.0000	OK
60 minute winter	PP-S14	66	0.588	0.088	30.5	32.1799	0.0000	OK
60 minute winter	PP-S2	50	0.616	0.116	20.0	11.6893	0.0000	OK
60 minute winter	PP-S15	49	0.616	0.116	16.1	6.0238	0.0000	OK
60 minute winter	PP-S75	48	0.615	0.115	20.0	6.6177	0.0000	OK
60 minute winter	PP-S24	45	0.614	0.114	31.4	12.7636	0.0000	OK
60 minute winter	PP-S30	41	0.608	0.108	41.2	5.7276	0.0000	OK
60 minute winter	PP-S33	42	0.581	0.081	18.0	4.0558	0.0000	OK
60 minute winter	PP-S34	41	0.542	0.042	9.6	2.3825	0.0000	OK
60 minute winter	PP-S35	39	0.517	0.017	1.5	0.3155	0.0000	OK
60 minute winter	PP-S36	40	0.538	0.038	7.4	1.4692	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	22.9	1.187	0.310	0.1528	
60 minute winter	PP-S12	8.000_1	S12	25.0	1.088	0.275	0.1515	
60 minute winter	PP-S14	11.000_1	S14	-30.3	1.435	-0.366	0.1350	
60 minute winter	PP-S2	10.000_1	S2	28.1	1.098	0.308	0.1512	
60 minute winter	PP-S15	12.000_1	S15	26.0	1.129	0.276	0.1511	
60 minute winter	PP-S75	13.000_1	S75	20.6	1.148	0.209	0.1507	
60 minute winter	PP-S24	14.000_1	S92	30.2	1.520	0.295	0.1500	
60 minute winter	PP-S30	18.000_1	S30	-37.0	1.231	-0.332	0.1463	
60 minute winter	PP-S33	20.000_1	S33	22.4	1.334	0.196	0.1315	
60 minute winter	PP-S34	21.000_1	S34	9.1	1.640	0.077	0.1122	
60 minute winter	PP-S35	22.000_2	S35	1.4	1.000	0.011	0.1028	
60 minute winter	PP-S36	23.000_2	S36	7.3	1.560	0.061	0.1024	

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Results for 30 year 120 minute summer. 1560 minute analysis at 2 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
120 minute summer	S26	86	0.616	0.854	13.5	1.5085	0.0000	SURCHARGED
120 minute summer	S25	88	0.613	0.857	13.6	2.1810	0.0000	SURCHARGED
120 minute summer	S16	86	0.605	0.872	48.2	3.8659	0.0000	SURCHARGED
120 minute summer	S145	86	0.604	0.919	49.9	3.9590	0.0000	SURCHARGED
120 minute summer	S4	86	0.600	0.843	13.7	1.4890	0.0000	SURCHARGED
120 minute summer	S5	84	0.599	0.883	34.8	1.5595	0.0000	SURCHARGED
120 minute summer	S9	88	0.616	0.912	11.8	2.1021	0.0000	SURCHARGED
120 minute summer	S10	88	0.595	0.916	11.9	1.6184	0.0000	SURCHARGED
120 minute summer	S11	82	0.592	0.918	46.2	1.6223	0.0000	SURCHARGED
120 minute summer	S12	86	0.590	0.925	50.2	1.6349	0.0000	SURCHARGED
120 minute summer	S1	90	0.599	0.863	24.5	2.0318	0.0000	SURCHARGED
120 minute summer	S3	88	0.596	0.903	25.8	2.8888	0.0000	SURCHARGED
120 minute summer	S2	88	0.591	0.927	34.0	1.6381	0.0000	SURCHARGED
120 minute summer	S14	88	0.592	0.901	12.8	1.5928	0.0000	SURCHARGED
120 minute summer	S15	86	0.590	0.936	71.3	4.2135	0.0000	SURCHARGED
120 minute summer	S75	86	0.590	0.952	85.9	2.4226	0.0000	SURCHARGED
120 minute summer	S87	70	0.632	0.918	15.5	2.9782	0.0000	SURCHARGED
120 minute summer	S88	70	0.626	0.934	28.4	3.0463	0.0000	SURCHARGED
120 minute summer	S89	70	0.620	0.950	36.5	3.0802	0.0000	SURCHARGED
120 minute summer	S90	70	0.607	0.959	47.4	3.0536	0.0000	SURCHARGED
120 minute summer	S92	76	0.591	0.970	94.6	2.4678	0.0000	SURCHARGED
120 minute summer	S81	70	0.638	0.940	15.5	3.0340	0.0000	SURCHARGED
120 minute summer	S82	70	0.624	0.948	26.9	3.0772	0.0000	SURCHARGED
120 minute summer	S83	70	0.625	0.970	35.4	3.1304	0.0000	SURCHARGED
120 minute summer	S84	70	0.617	0.984	45.5	3.1226	0.0000	SURCHARGED
120 minute summer	S86	70	0.592	0.985	105.1	2.5056	0.0000	SURCHARGED
120 minute summer	S76	70	0.619	0.936	15.5	3.0098	0.0000	SURCHARGED
120 minute summer	S77	70	0.607	0.946	26.9	3.0579	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	10.1	0.063	0.142	9.2005	
120 minute summer	S25	2.000	S16	12.3	0.078	0.174	7.3393	
120 minute summer	S16	1.001	S145	26.1	0.168	0.366	15.0038	
120 minute summer	S145	1.002	S75	37.0	0.247	0.525	15.0038	
120 minute summer	S4	3.000	S5	15.8	0.106	0.225	13.1095	
120 minute summer	S5	3.001	S11	-28.1	-0.177	-0.393	13.1095	
120 minute summer	S9	4.000	S10	11.9	0.155	0.169	8.0648	
120 minute summer	S10	4.001	S11	14.5	0.170	0.190	1.3780	
120 minute summer	S11	3.002	S12	-46.2	-0.292	-0.655	2.8740	
120 minute summer	S12	3.003	S15	-47.8	-0.302	-0.695	3.6838	
120 minute summer	S1	5.000	S3	18.0	0.114	0.254	13.5151	
120 minute summer	S3	5.001	S2	20.3	0.198	0.287	9.1848	
120 minute summer	S2	5.002	S15	32.3	0.204	0.474	3.4165	
120 minute summer	S14	6.000	S15	14.1	-0.116	0.201	11.8707	
120 minute summer	S15	3.004	S75	55.2	0.348	0.771	4.9661	
120 minute summer	S75	1.003	S92	86.1	0.544	1.211	5.3380	
120 minute summer	S87	7.000	S88	17.7	0.160	0.248	6.8747	
120 minute summer	S88	7.001	S89	25.8	0.192	0.362	6.8747	
120 minute summer	S89	7.002	S90	36.9	0.233	0.517	6.8747	
120 minute summer	S90	7.003	S92	50.1	0.316	0.710	8.6413	
120 minute summer	S92	1.005	S86	96.3	0.608	1.355	4.4095	
120 minute summer	S81	8.000	S82	13.2	0.160	0.184	6.8747	
120 minute summer	S82	8.001	S83	21.1	0.189	0.303	6.8747	
120 minute summer	S83	8.002	S84	31.2	0.219	0.438	6.8747	
120 minute summer	S84	8.003	S86	44.2	0.287	0.622	8.1975	
120 minute summer	S86	1.006	S30	104.7	0.661	1.475	4.4165	
120 minute summer	S76	9.000	S77	12.4	0.160	0.173	6.8747	
120 minute summer	S77	9.001	S78	22.9	0.189	0.321	6.8747	

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Results for 30 year 120 minute summer. 1560 minute analysis at 2 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
120 minute summer	S78	70	0.599	0.960	37.4	3.0855	0.0000	SURCHARGED
120 minute summer	S79	70	0.590	0.972	48.5	3.0717	0.0000	SURCHARGED
120 minute summer	S30	70	0.573	0.980	118.3	2.4949	0.0000	SURCHARGED
120 minute summer	S31	70	0.552	0.888	16.7	2.9416	0.0000	SURCHARGED
120 minute summer	S32	74	0.540	0.919	27.0	2.8373	0.0000	SURCHARGED
120 minute summer	S33	72	0.538	0.961	121.2	2.4455	0.0000	SURCHARGED
120 minute summer	S34	72	0.486	0.925	125.4	1.6339	0.0000	SURCHARGED
120 minute summer	S35	72	0.402	0.868	125.6	1.5334	0.0000	SURCHARGED
120 minute summer	S36	72	0.374	0.816	5.8	1.4410	0.0000	SURCHARGED
120 minute summer	S37	72	0.373	0.844	149.1	4.1485	0.0000	SURCHARGED
120 minute summer	S38	72	0.174	0.690	144.3	1.2198	0.0000	SURCHARGED
120 minute summer	S39	74	-0.022	0.540	143.9	0.9537	0.0000	SURCHARGED
120 minute summer	S56	74	-0.057	0.502	1.3	0.8872	0.0000	SURCHARGED
120 minute summer	S57	74	-0.057	0.508	143.7	1.2933	0.0000	SURCHARGED
120 minute summer	S125	74	-0.129	0.426	3.9	0.7529	0.0000	OK
120 minute summer	S127	74	-0.129	0.450	143.0	1.1458	0.0000	SURCHARGED
120 minute summer	S119	76	-0.198	0.371	4.2	0.6558	0.0000	OK
120 minute summer	S60	76	-0.198	0.395	140.8	1.0051	0.0000	OK
120 minute summer	Pond Inlet 1	76	-0.313	0.297	140.4	0.5245	0.0000	OK
120 minute summer	Pond Outlet	1530	-0.437	0.173	118.2	0.1962	0.0000	OK
120 minute summer	S13	1412	-0.436	0.202	0.7	0.6981	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	84	0.597	0.097	8.8	7.4032	0.0000	OK
120 minute summer	PP-S25	88	0.596	0.096	9.5	6.5187	0.0000	OK
120 minute summer	PP-S16	84	0.595	0.095	12.3	8.2802	0.0000	OK
120 minute summer	PP-S145	80	0.589	0.089	16.8	7.5678	0.0000	OK
120 minute summer	PP-S4	86	0.598	0.098	9.8	8.5096	0.0000	OK
120 minute summer	PP-S1	86	0.590	0.090	19.5	28.3018	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	34.3	0.219	0.493	6.8745	
120 minute summer	S79	9.003	S30	43.7	0.283	0.608	7.6907	
120 minute summer	S30	1.007	S33	113.0	0.713	1.587	5.0209	
120 minute summer	S31	10.000	S32	13.5	0.171	0.192	13.6740	
120 minute summer	S32	10.001	S33	26.5	0.221	0.370	13.6740	
120 minute summer	S33	1.008	S34	119.0	0.751	1.686	5.1108	
120 minute summer	S34	1.009	S35	124.5	0.786	1.753	8.5103	
120 minute summer	S35	1.010	S37	123.5	0.779	1.858	1.7947	
120 minute summer	S36	11.000	S37	5.8	-0.070	0.081	9.1184	
120 minute summer	S37	1.011	S38	144.3	0.911	2.042	14.3287	
120 minute summer	S38	1.012	S39	143.9	0.908	2.014	14.3287	
120 minute summer	S39	1.013	S57	143.7	0.907	2.268	1.1814	
120 minute summer	S56	12.011	S57	-1.3	-0.193	-0.019	2.0645	
120 minute summer	S57	1.014	S127	143.0	0.903	2.022	4.4467	
120 minute summer	S125	21.003	S127	-3.9	-0.185	-0.055	7.7345	
120 minute summer	S127	1.015	S60	140.8	0.923	1.977	4.2330	
120 minute summer	S119	22.003	S60	-4.2	-0.171	-0.060	7.0850	
120 minute summer	S60	1.016	Pond Inlet 1	140.4	1.074	1.854	3.8547	
120 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	118.2	0.048	0.002	890.0037	
120 minute summer	Pond Outlet	1.018	S13	0.7	0.277	0.010	0.3140	
120 minute summer	S13	Pump	Final Outfall	0.0				0.0
120 minute summer	PP-S26	1.000_1	S26	9.8	0.559	0.254	0.2427	
120 minute summer	PP-S25	2.000_1	S25	13.6	0.742	0.236	0.1225	
120 minute summer	PP-S16	3.000_1	S16	14.0	0.976	0.208	0.1284	
120 minute summer	PP-S145	4.000_2	S145	23.3	1.205	0.276	0.1351	
120 minute summer	PP-S4	1.000_2	S4	13.6	0.854	0.238	0.1166	
120 minute summer	PP-S1	4.000_1	S1	16.3	1.065	0.245	0.1190	

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Results for 30 year 120 minute summer. 1560 minute analysis at 2 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
120 minute summer	PP-S5	82	0.591	0.091	13.6	8.3111	0.0000	OK
120 minute summer	PP-S12	80	0.589	0.089	13.5	7.6544	0.0000	OK
120 minute summer	PP-S14	98	0.563	0.063	12.4	16.7938	0.0000	OK
120 minute summer	PP-S2	80	0.588	0.088	14.1	8.4664	0.0000	OK
120 minute summer	PP-S15	84	0.588	0.088	12.4	4.3170	0.0000	OK
120 minute summer	PP-S75	78	0.585	0.085	14.6	4.5925	0.0000	OK
120 minute summer	PP-S24	76	0.582	0.082	21.9	7.6965	0.0000	OK
120 minute summer	PP-S30	72	0.563	0.063	15.3	3.0177	0.0000	OK
120 minute summer	PP-S33	72	0.542	0.042	3.8	1.6180	0.0000	OK
120 minute summer	PP-S34	70	0.537	0.037	7.4	1.8906	0.0000	OK
120 minute summer	PP-S35	72	0.515	0.015	1.1	0.2645	0.0000	OK
120 minute summer	PP-S36	70	0.534	0.034	5.7	1.1780	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	19.9	1.132	0.269	0.1290	
120 minute summer	PP-S12	8.000_1	S12	23.8	0.974	0.261	0.1357	
120 minute summer	PP-S14	11.000_1	S14	12.8	1.213	0.155	0.1168	
120 minute summer	PP-S2	10.000_1	S2	16.7	1.050	0.183	0.1353	
120 minute summer	PP-S15	12.000_1	S15	16.2	1.070	0.172	0.1351	
120 minute summer	PP-S75	13.000_1	S75	15.0	1.086	0.151	0.1335	
120 minute summer	PP-S24	14.000_1	S92	20.8	1.444	0.202	0.1321	
120 minute summer	PP-S30	18.000_1	S30	14.9	1.161	0.134	0.1219	
120 minute summer	PP-S33	20.000_1	S33	6.0	1.256	0.052	0.1121	
120 minute summer	PP-S34	21.000_1	S34	7.2	1.536	0.060	0.1102	
120 minute summer	PP-S35	22.000_2	S35	1.1	0.943	0.009	0.0897	
120 minute summer	PP-S36	23.000_2	S36	5.8	1.482	0.048	0.0699	

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Results for 30 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	96	0.642	0.880	12.0	1.5551	0.0000	SURCHARGED
120 minute winter	S25	92	0.616	0.860	14.6	2.1894	0.0000	SURCHARGED
120 minute winter	S16	92	0.615	0.882	36.4	3.9120	0.0000	SURCHARGED
120 minute winter	S145	94	0.645	0.960	41.1	4.1317	0.0000	SURCHARGED
120 minute winter	S4	98	0.641	0.884	16.3	1.5615	0.0000	SURCHARGED
120 minute winter	S5	94	0.616	0.900	27.8	1.5906	0.0000	SURCHARGED
120 minute winter	S9	96	0.620	0.916	8.3	2.1094	0.0000	SURCHARGED
120 minute winter	S10	96	0.628	0.949	9.9	1.6772	0.0000	SURCHARGED
120 minute winter	S11	96	0.625	0.951	31.8	1.6812	0.0000	SURCHARGED
120 minute winter	S12	96	0.617	0.952	38.9	1.6818	0.0000	SURCHARGED
120 minute winter	S1	100	0.626	0.890	20.1	2.0961	0.0000	SURCHARGED
120 minute winter	S3	96	0.616	0.923	25.2	2.9532	0.0000	SURCHARGED
120 minute winter	S2	92	0.610	0.946	44.6	1.6718	0.0000	SURCHARGED
120 minute winter	S14	88	0.606	0.915	20.1	1.6160	0.0000	SURCHARGED
120 minute winter	S15	94	0.619	0.965	63.7	4.3428	0.0000	SURCHARGED
120 minute winter	S75	94	0.622	0.984	93.9	2.5046	0.0000	SURCHARGED
120 minute winter	S87	68	0.643	0.929	12.0	3.0130	0.0000	SURCHARGED
120 minute winter	S88	68	0.618	0.926	23.8	3.0184	0.0000	SURCHARGED
120 minute winter	S89	86	0.609	0.939	31.5	3.0442	0.0000	SURCHARGED
120 minute winter	S90	86	0.604	0.956	41.6	3.0453	0.0000	SURCHARGED
120 minute winter	S92	86	0.601	0.980	100.8	2.4950	0.0000	SURCHARGED
120 minute winter	S81	68	0.620	0.922	12.0	2.9781	0.0000	SURCHARGED
120 minute winter	S82	68	0.603	0.927	22.6	3.0103	0.0000	SURCHARGED
120 minute winter	S83	70	0.602	0.947	35.9	3.0555	0.0000	SURCHARGED
120 minute winter	S84	70	0.600	0.967	46.9	3.0658	0.0000	SURCHARGED
120 minute winter	S86	82	0.596	0.989	106.4	2.5161	0.0000	SURCHARGED
120 minute winter	S76	72	0.589	0.906	12.0	2.9128	0.0000	SURCHARGED
120 minute winter	S77	70	0.594	0.933	22.7	3.0148	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	12.2	0.077	0.172	9.2005	
120 minute winter	S25	2.000	S16	14.1	0.089	0.199	7.3393	
120 minute winter	S16	1.001	S145	23.1	0.164	0.323	15.0038	
120 minute winter	S145	1.002	S75	43.2	0.273	0.612	15.0038	
120 minute winter	S4	3.000	S5	12.8	0.110	0.181	13.1095	
120 minute winter	S5	3.001	S11	-21.6	-0.136	-0.302	13.1095	
120 minute winter	S9	4.000	S10	9.9	0.170	0.141	8.0648	
120 minute winter	S10	4.001	S11	13.3	0.192	0.175	1.3780	
120 minute winter	S11	3.002	S12	-31.8	-0.201	-0.451	2.8740	
120 minute winter	S12	3.003	S15	39.6	0.250	0.575	3.6838	
120 minute winter	S1	5.000	S3	22.7	0.144	0.320	13.5151	
120 minute winter	S3	5.001	S2	23.8	0.215	0.335	9.1848	
120 minute winter	S2	5.002	S15	46.2	0.292	0.678	3.4165	
120 minute winter	S14	6.000	S15	21.6	0.136	0.307	11.8707	
120 minute winter	S15	3.004	S75	66.5	0.420	0.929	4.9661	
120 minute winter	S75	1.003	S92	94.9	0.599	1.334	5.3380	
120 minute winter	S87	7.000	S88	12.3	0.162	0.172	6.8747	
120 minute winter	S88	7.001	S89	20.6	0.200	0.288	6.8747	
120 minute winter	S89	7.002	S90	31.0	0.238	0.435	6.8747	
120 minute winter	S90	7.003	S92	44.2	0.316	0.627	8.6413	
120 minute winter	S92	1.005	S86	102.8	0.649	1.447	4.4095	
120 minute winter	S81	8.000	S82	11.7	0.161	0.164	6.8747	
120 minute winter	S82	8.001	S83	25.0	0.197	0.359	6.8747	
120 minute winter	S83	8.002	S84	36.3	0.240	0.509	6.8747	
120 minute winter	S84	8.003	S86	48.0	0.307	0.676	8.1975	
120 minute winter	S86	1.006	S30	107.8	0.680	1.518	4.4165	
120 minute winter	S76	9.000	S77	11.8	0.162	0.165	6.8747	
120 minute winter	S77	9.001	S78	24.8	0.197	0.348	6.8747	

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Results for 30 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	70	0.594	0.955	35.7	3.0690	0.0000	SURCHARGED
120 minute winter	S79	70	0.590	0.972	47.1	3.0703	0.0000	SURCHARGED
120 minute winter	S30	82	0.581	0.988	115.4	2.5146	0.0000	SURCHARGED
120 minute winter	S31	72	0.551	0.887	12.9	2.9369	0.0000	SURCHARGED
120 minute winter	S32	72	0.549	0.928	22.3	2.8659	0.0000	SURCHARGED
120 minute winter	S33	76	0.547	0.970	121.8	2.4680	0.0000	SURCHARGED
120 minute winter	S34	76	0.494	0.933	127.6	1.6491	0.0000	SURCHARGED
120 minute winter	S35	72	0.405	0.871	126.7	1.5399	0.0000	SURCHARGED
120 minute winter	S36	72	0.377	0.819	5.0	1.4469	0.0000	SURCHARGED
120 minute winter	S37	72	0.376	0.847	146.3	4.1644	0.0000	SURCHARGED
120 minute winter	S38	72	0.177	0.693	144.4	1.2248	0.0000	SURCHARGED
120 minute winter	S39	76	-0.019	0.543	144.4	0.9591	0.0000	SURCHARGED
120 minute winter	S56	76	-0.054	0.505	1.6	0.8925	0.0000	SURCHARGED
120 minute winter	S57	76	-0.054	0.511	144.1	1.3007	0.0000	SURCHARGED
120 minute winter	S125	76	-0.126	0.429	4.5	0.7573	0.0000	OK
120 minute winter	S127	76	-0.126	0.453	143.3	1.1516	0.0000	SURCHARGED
120 minute winter	S119	74	-0.196	0.373	3.6	0.6586	0.0000	OK
120 minute winter	S60	74	-0.196	0.397	141.3	1.0096	0.0000	OK
120 minute winter	Pond Inlet 1	78	-0.312	0.298	141.2	0.5270	0.0000	OK
120 minute winter	Pond Outlet	1476	-0.417	0.193	118.2	0.2184	0.0000	OK
120 minute winter	S13	1180	-0.417	0.221	0.9	0.7662	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	86	0.614	0.114	9.3	9.2787	0.0000	OK
120 minute winter	PP-S25	96	0.615	0.115	9.5	8.3279	0.0000	OK
120 minute winter	PP-S16	92	0.613	0.113	11.6	11.3206	0.0000	OK
120 minute winter	PP-S145	88	0.612	0.112	14.0	11.6297	0.0000	OK
120 minute winter	PP-S4	86	0.611	0.111	13.7	10.5724	0.0000	OK
120 minute winter	PP-S1	94	0.612	0.112	19.6	36.1558	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	36.5	0.237	0.523	6.8745	
120 minute winter	S79	9.003	S30	48.3	0.306	0.672	7.6907	
120 minute winter	S30	1.007	S33	114.1	0.720	1.603	5.0209	
120 minute winter	S31	10.000	S32	12.3	0.180	0.174	13.6740	
120 minute winter	S32	10.001	S33	22.1	0.243	0.310	13.6740	
120 minute winter	S33	1.008	S34	121.5	0.767	1.722	5.1108	
120 minute winter	S34	1.009	S35	125.8	0.794	1.771	8.5103	
120 minute winter	S35	1.010	S37	124.1	0.783	1.867	1.7947	
120 minute winter	S36	11.000	S37	5.6	-0.071	0.079	9.1184	
120 minute winter	S37	1.011	S38	144.4	0.912	2.044	14.3287	
120 minute winter	S38	1.012	S39	144.4	0.911	2.021	14.3287	
120 minute winter	S39	1.013	S57	144.1	0.910	2.274	1.1814	
120 minute winter	S56	12.011	S57	-1.6	-0.166	-0.024	2.0645	
120 minute winter	S57	1.014	S127	143.3	0.905	2.026	4.4474	
120 minute winter	S125	21.003	S127	-4.5	-0.196	-0.064	7.7469	
120 minute winter	S127	1.015	S60	141.2	0.924	1.982	4.2410	
120 minute winter	S119	22.003	S60	-3.6	-0.184	-0.052	7.1109	
120 minute winter	S60	1.016	Pond Inlet 1	141.2	1.076	1.865	3.8709	
120 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	118.0	0.047	0.002	994.9775	
120 minute winter	Pond Outlet	1.018	S13	0.9	0.273	0.013	0.3516	
120 minute winter	S13	Pump	Final Outfall	0.0				0.0
120 minute winter	PP-S26	1.000_1	S26	12.0	0.614	0.311	0.2839	
120 minute winter	PP-S25	2.000_1	S25	14.6	0.744	0.254	0.1331	
120 minute winter	PP-S16	3.000_1	S16	20.4	0.952	0.302	0.1429	
120 minute winter	PP-S145	4.000_2	S145	25.6	1.172	0.303	0.1486	
120 minute winter	PP-S4	1.000_2	S4	16.3	0.829	0.286	0.1391	
120 minute winter	PP-S1	4.000_1	S1	19.2	1.065	0.290	0.1388	

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Results for 30 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	92	0.609	0.109	12.4	11.6657	0.0000	OK
120 minute winter	PP-S12	88	0.608	0.108	14.0	9.8103	0.0000	OK
120 minute winter	PP-S14	108	0.582	0.082	15.0	28.3737	0.0000	OK
120 minute winter	PP-S2	90	0.608	0.108	14.0	10.7490	0.0000	OK
120 minute winter	PP-S15	88	0.609	0.109	12.8	5.5806	0.0000	OK
120 minute winter	PP-S75	88	0.606	0.106	13.1	5.9787	0.0000	OK
120 minute winter	PP-S24	84	0.600	0.100	18.4	10.5628	0.0000	OK
120 minute winter	PP-S30	78	0.578	0.078	13.8	3.9175	0.0000	OK
120 minute winter	PP-S33	74	0.541	0.041	7.3	1.5898	0.0000	OK
120 minute winter	PP-S34	70	0.535	0.035	6.4	1.6843	0.0000	OK
120 minute winter	PP-S35	70	0.514	0.014	1.0	0.2433	0.0000	OK
120 minute winter	PP-S36	68	0.531	0.031	5.0	1.0355	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	22.2	1.122	0.300	0.1435	
120 minute winter	PP-S12	8.000_1	S12	22.5	1.016	0.247	0.1464	
120 minute winter	PP-S14	11.000_1	S14	20.1	1.368	0.242	0.1296	
120 minute winter	PP-S2	10.000_1	S2	25.4	1.042	0.279	0.1465	
120 minute winter	PP-S15	12.000_1	S15	22.7	1.036	0.241	0.1469	
120 minute winter	PP-S75	13.000_1	S75	17.7	1.054	0.179	0.1452	
120 minute winter	PP-S24	14.000_1	S92	28.3	1.404	0.275	0.1422	
120 minute winter	PP-S30	18.000_1	S30	19.7	1.125	0.177	0.1297	
120 minute winter	PP-S33	20.000_1	S33	8.4	1.212	0.074	0.1119	
120 minute winter	PP-S34	21.000_1	S34	6.3	1.514	0.054	0.1093	
120 minute winter	PP-S35	22.000_2	S35	1.0	0.900	0.008	0.0910	
120 minute winter	PP-S36	23.000_2	S36	5.0	1.423	0.042	0.0709	

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Results for 30 year 180 minute summer. 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 summer	S26	124	0.603	0.841	6.1	1.4853	0.0000	SURCHARGED
180 minute summer	S25	120	0.587	0.831	8.6	2.1146	0.0000	SURCHARGED
180 minute summer	S16	124	0.580	0.847	32.9	3.7563	0.0000	SURCHARGED
180 minute summer	S145	120	0.579	0.894	53.1	3.8489	0.0000	SURCHARGED
180 minute summer	S4	104	0.586	0.829	11.9	1.4651	0.0000	SURCHARGED
180 minute summer	S5	116	0.578	0.862	16.2	1.5233	0.0000	SURCHARGED
180 minute summer	S9	120	0.577	0.873	8.5	2.0120	0.0000	SURCHARGED
180 minute summer	S10	120	0.574	0.895	8.5	1.5811	0.0000	SURCHARGED
180 minute summer	S11	116	0.573	0.899	22.8	1.5884	0.0000	SURCHARGED
180 minute summer	S12	116	0.574	0.909	25.6	1.6058	0.0000	SURCHARGED
180 minute summer	S1	120	0.577	0.841	15.7	1.9798	0.0000	SURCHARGED
180 minute summer	S3	116	0.573	0.880	20.8	2.8150	0.0000	SURCHARGED
180 minute summer	S2	116	0.575	0.911	31.1	1.6100	0.0000	SURCHARGED
180 minute summer	S14	120	0.578	0.887	10.3	1.5671	0.0000	SURCHARGED
180 minute summer	S15	116	0.574	0.920	50.0	4.1426	0.0000	SURCHARGED
180 minute summer	S75	120	0.574	0.936	81.2	2.3825	0.0000	SURCHARGED
180 minute summer	S87	104	0.576	0.862	11.4	2.7957	0.0000	SURCHARGED
180 minute summer	S88	104	0.572	0.880	19.8	2.8694	0.0000	SURCHARGED
180 minute summer	S89	108	0.572	0.902	26.1	2.9223	0.0000	SURCHARGED
180 minute summer	S90	108	0.573	0.925	32.2	2.9466	0.0000	SURCHARGED
180 minute summer	S92	108	0.571	0.950	93.1	2.4181	0.0000	SURCHARGED
180 minute summer	S81	104	0.570	0.872	11.4	2.8151	0.0000	SURCHARGED
180 minute summer	S82	104	0.569	0.893	19.8	2.8995	0.0000	SURCHARGED
180 minute summer	S83	104	0.564	0.909	26.1	2.9333	0.0000	SURCHARGED
180 minute summer	S84	104	0.562	0.929	33.9	2.9480	0.0000	SURCHARGED
180 minute summer	S86	108	0.559	0.952	101.0	2.4241	0.0000	SURCHARGED
180 minute summer	S76	104	0.555	0.872	11.4	2.8026	0.0000	SURCHARGED
180 minute summer	S77	104	0.554	0.893	19.9	2.8886	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	6.5	0.041	0.092	9.2005	
180 minute summer	S25	2.000	S16	11.8	0.075	0.168	7.3393	
180 minute summer	S16	1.001	S145	28.8	0.181	0.403	15.0038	
180 minute summer	S145	1.002	S75	48.9	0.309	0.693	15.0038	
180 minute summer	S4	3.000	S5	11.6	0.096	0.165	13.1095	
180 minute summer	S5	3.001	S11	13.5	0.111	0.189	13.1095	
180 minute summer	S9	4.000	S10	-5.0	0.139	-0.072	8.0648	
180 minute summer	S10	4.001	S11	-8.5	0.133	-0.111	1.3780	
180 minute summer	S11	3.002	S12	-22.8	-0.148	-0.323	2.8740	
180 minute summer	S12	3.003	S15	-23.6	-0.151	-0.342	3.6838	
180 minute summer	S1	5.000	S3	15.8	0.108	0.222	13.5151	
180 minute summer	S3	5.001	S2	27.9	0.176	0.393	9.1848	
180 minute summer	S2	5.002	S15	31.4	0.198	0.461	3.4165	
180 minute summer	S14	6.000	S15	11.1	-0.090	0.157	11.8707	
180 minute summer	S15	3.004	S75	52.1	0.329	0.728	4.9661	
180 minute summer	S75	1.003	S92	80.4	0.508	1.130	5.3380	
180 minute summer	S87	7.000	S88	9.2	0.143	0.129	6.8747	
180 minute summer	S88	7.001	S89	15.5	0.176	0.217	6.8747	
180 minute summer	S89	7.002	S90	22.2	0.203	0.311	6.8747	
180 minute summer	S90	7.003	S92	33.1	0.253	0.469	8.6413	
180 minute summer	S92	1.005	S86	91.4	0.577	1.286	4.4095	
180 minute summer	S81	8.000	S82	8.2	0.142	0.114	6.8747	
180 minute summer	S82	8.001	S83	16.8	0.173	0.241	6.8747	
180 minute summer	S83	8.002	S84	26.0	0.204	0.365	6.8747	
180 minute summer	S84	8.003	S86	34.9	0.260	0.492	8.1975	
180 minute summer	S86	1.006	S30	100.3	0.633	1.413	4.4165	
180 minute summer	S76	9.000	S77	8.2	0.143	0.114	6.8747	
180 minute summer	S77	9.001	S78	16.8	0.174	0.236	6.8747	

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Results for 30 year 180 minute summer. 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 summer	S78	104	0.552	0.913	26.2	2.9339	0.0000	SURCHARGED
180 minute summer	S79	104	0.548	0.930	34.0	2.9388	0.0000	SURCHARGED
180 minute summer	S30	104	0.542	0.949	110.6	2.4164	0.0000	SURCHARGED
180 minute summer	S31	104	0.514	0.850	12.3	2.8150	0.0000	SURCHARGED
180 minute summer	S32	104	0.516	0.895	17.7	2.7623	0.0000	SURCHARGED
180 minute summer	S33	104	0.506	0.929	117.7	2.3653	0.0000	SURCHARGED
180 minute summer	S34	104	0.455	0.894	120.4	1.5797	0.0000	SURCHARGED
180 minute summer	S35	104	0.373	0.839	121.2	1.4829	0.0000	SURCHARGED
180 minute summer	S36	104	0.340	0.782	4.5	1.3821	0.0000	SURCHARGED
180 minute summer	S37	104	0.343	0.814	140.6	4.0040	0.0000	SURCHARGED
180 minute summer	S38	104	0.151	0.667	140.8	1.1777	0.0000	SURCHARGED
180 minute summer	S39	108	-0.036	0.526	140.1	0.9299	0.0000	SURCHARGED
180 minute summer	S56	108	-0.068	0.491	0.9	0.8672	0.0000	SURCHARGED
180 minute summer	S57	108	-0.068	0.497	139.9	1.2641	0.0000	SURCHARGED
180 minute summer	S125	108	-0.137	0.418	2.0	0.7393	0.0000	OK
180 minute summer	S127	108	-0.137	0.442	139.4	1.1261	0.0000	OK
180 minute summer	S119	108	-0.204	0.365	2.5	0.6449	0.0000	OK
180 minute summer	S60	108	-0.204	0.389	137.3	0.9897	0.0000	OK
180 minute summer	Pond Inlet 1	108	-0.318	0.292	137.1	0.5168	0.0000	OK
180 minute summer	Pond Outlet	1556	-0.420	0.190	90.0	0.2147	0.0000	OK
180 minute summer	S13	828	-0.420	0.218	0.4	0.7549	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	120	0.583	0.083	5.7	5.8808	0.0000	OK
180 minute summer	PP-S25	116	0.582	0.082	6.1	5.2481	0.0000	OK
180 minute summer	PP-S16	116	0.580	0.080	8.5	5.8951	0.0000	OK
180 minute summer	PP-S145	120	0.574	0.074	9.9	5.2985	0.0000	OK
180 minute summer	PP-S4	116	0.582	0.082	6.3	6.0530	0.0000	OK
180 minute summer	PP-S1	120	0.577	0.077	12.4	23.7133	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	26.1	0.202	0.375	6.8745	
180 minute summer	S79	9.003	S30	33.9	0.257	0.472	7.6907	
180 minute summer	S30	1.007	S33	111.1	0.701	1.561	5.0209	
180 minute summer	S31	10.000	S32	8.4	0.153	0.119	13.6740	
180 minute summer	S32	10.001	S33	16.6	0.191	0.232	13.6740	
180 minute summer	S33	1.008	S34	117.8	0.744	1.670	5.1108	
180 minute summer	S34	1.009	S35	120.7	0.762	1.700	8.5103	
180 minute summer	S35	1.010	S37	121.5	0.767	1.829	1.7947	
180 minute summer	S36	11.000	S37	4.6	-0.038	0.065	9.1184	
180 minute summer	S37	1.011	S38	140.8	0.889	1.992	14.3287	
180 minute summer	S38	1.012	S39	140.1	0.884	1.961	14.3287	
180 minute summer	S39	1.013	S57	139.9	0.883	2.208	1.1814	
180 minute summer	S56	12.011	S57	-0.9	-0.086	-0.014	2.0645	
180 minute summer	S57	1.014	S127	139.4	0.880	1.971	4.4400	
180 minute summer	S125	21.003	S127	-2.0	-0.151	-0.029	7.6813	
180 minute summer	S127	1.015	S60	137.3	0.908	1.927	4.2012	
180 minute summer	S119	22.003	S60	-2.5	-0.154	-0.036	6.9872	
180 minute summer	S60	1.016	Pond Inlet 1	137.1	1.065	1.811	3.7992	
180 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	90.0	0.034	0.002	977.6720	
180 minute summer	Pond Outlet	1.018	S13	0.4	0.216	0.005	0.3455	
180 minute summer	S13	Pump	Final Outfall	0.0				0.0
180 minute summer	PP-S26	1.000_1	S26	6.1	0.555	0.158	0.2029	
180 minute summer	PP-S25	2.000_1	S25	8.6	0.704	0.150	0.1014	
180 minute summer	PP-S16	3.000_1	S16	12.0	0.935	0.178	0.1074	
180 minute summer	PP-S145	4.000_2	S145	14.8	1.151	0.175	0.1250	
180 minute summer	PP-S4	1.000_2	S4	11.9	0.826	0.209	0.0986	
180 minute summer	PP-S1	4.000_1	S1	14.4	1.058	0.217	0.1041	

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Results for 30 year 180 minute summer. 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 summer	PP-S5	112	0.575	0.075	7.8	5.6366	0.0000	OK
180 minute summer	PP-S12	116	0.577	0.077	10.5	6.3820	0.0000	OK
180 minute summer	PP-S14	128	0.554	0.054	9.6	12.5813	0.0000	OK
180 minute summer	PP-S2	112	0.573	0.073	9.9	6.7817	0.0000	OK
180 minute summer	PP-S15	116	0.574	0.074	8.4	3.5340	0.0000	OK
180 minute summer	PP-S75	116	0.572	0.072	8.6	3.7749	0.0000	OK
180 minute summer	PP-S24	108	0.565	0.065	12.0	4.9566	0.0000	OK
180 minute summer	PP-S30	104	0.541	0.041	6.5	1.7337	0.0000	OK
180 minute summer	PP-S33	100	0.526	0.026	3.1	0.6560	0.0000	OK
180 minute summer	PP-S34	100	0.534	0.034	5.9	1.5947	0.0000	OK
180 minute summer	PP-S35	100	0.514	0.014	0.9	0.2257	0.0000	OK
180 minute summer	PP-S36	100	0.531	0.031	4.6	0.9809	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	14.5	1.114	0.196	0.1120	
180 minute summer	PP-S12	8.000_1	S12	14.9	0.933	0.164	0.1294	
180 minute summer	PP-S14	11.000_1	S14	10.3	1.142	0.124	0.1098	
180 minute summer	PP-S2	10.000_1	S2	14.2	1.014	0.156	0.1272	
180 minute summer	PP-S15	12.000_1	S15	7.8	1.017	0.082	0.1281	
180 minute summer	PP-S75	13.000_1	S75	17.1	1.039	0.174	0.1268	
180 minute summer	PP-S24	14.000_1	S92	12.9	1.380	0.126	0.1229	
180 minute summer	PP-S30	18.000_1	S30	4.9	1.109	0.044	0.1118	
180 minute summer	PP-S33	20.000_1	S33	3.1	1.195	0.027	0.1054	
180 minute summer	PP-S34	21.000_1	S34	5.8	1.499	0.049	0.1061	
180 minute summer	PP-S35	22.000_2	S35	0.9	0.893	0.007	0.0754	
180 minute summer	PP-S36	23.000_2	S36	4.5	1.412	0.038	0.0499	

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Results for 30 year 180 minute winter. 1620 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
180 minute winter	S26	120	0.616	0.854	14.2	1.5085	0.0000	SURCHARGED
180 minute winter	S25	124	0.602	0.846	12.6	2.1519	0.0000	SURCHARGED
180 minute winter	S16	124	0.603	0.870	34.8	3.8565	0.0000	SURCHARGED
180 minute winter	S145	132	0.598	0.913	39.1	3.9298	0.0000	SURCHARGED
180 minute winter	S4	116	0.582	0.825	12.8	1.4586	0.0000	SURCHARGED
180 minute winter	S5	120	0.614	0.898	18.0	1.5863	0.0000	SURCHARGED
180 minute winter	S9	120	0.598	0.894	7.1	2.0609	0.0000	SURCHARGED
180 minute winter	S10	124	0.585	0.906	10.0	1.6004	0.0000	SURCHARGED
180 minute winter	S11	116	0.585	0.911	18.0	1.6089	0.0000	SURCHARGED
180 minute winter	S12	124	0.585	0.920	28.2	1.6259	0.0000	SURCHARGED
180 minute winter	S1	128	0.616	0.880	16.6	2.0727	0.0000	SURCHARGED
180 minute winter	S3	128	0.604	0.911	19.6	2.9125	0.0000	SURCHARGED
180 minute winter	S2	124	0.591	0.927	34.6	1.6372	0.0000	SURCHARGED
180 minute winter	S14	120	0.586	0.895	16.2	1.5808	0.0000	SURCHARGED
180 minute winter	S15	124	0.590	0.936	56.2	4.2151	0.0000	SURCHARGED
180 minute winter	S75	132	0.589	0.951	85.5	2.4214	0.0000	SURCHARGED
180 minute winter	S87	112	0.582	0.868	8.8	2.8168	0.0000	SURCHARGED
180 minute winter	S88	112	0.581	0.889	16.5	2.9006	0.0000	SURCHARGED
180 minute winter	S89	112	0.583	0.913	23.8	2.9595	0.0000	SURCHARGED
180 minute winter	S90	112	0.583	0.935	31.8	2.9790	0.0000	SURCHARGED
180 minute winter	S92	112	0.578	0.957	95.4	2.4358	0.0000	SURCHARGED
180 minute winter	S81	112	0.573	0.875	8.8	2.8269	0.0000	SURCHARGED
180 minute winter	S82	112	0.574	0.898	15.7	2.9164	0.0000	SURCHARGED
180 minute winter	S83	112	0.575	0.920	23.8	2.9702	0.0000	SURCHARGED
180 minute winter	S84	112	0.575	0.942	31.4	2.9879	0.0000	SURCHARGED
180 minute winter	S86	112	0.569	0.962	103.3	2.4488	0.0000	SURCHARGED
180 minute winter	S76	112	0.553	0.870	8.8	2.7977	0.0000	SURCHARGED
180 minute winter	S77	112	0.554	0.893	15.9	2.8869	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	14.7	0.093	0.207	9.2005	
180 minute winter	S25	2.000	S16	11.1	0.070	0.157	7.3393	
180 minute winter	S16	1.001	S145	22.0	0.167	0.309	15.0038	
180 minute winter	S145	1.002	S75	33.3	0.230	0.472	15.0038	
180 minute winter	S4	3.000	S5	11.4	0.104	0.162	13.1095	
180 minute winter	S5	3.001	S11	17.6	0.111	0.246	13.1095	
180 minute winter	S9	4.000	S10	5.6	0.150	0.079	8.0648	
180 minute winter	S10	4.001	S11	-10.0	0.160	-0.132	1.3780	
180 minute winter	S11	3.002	S12	-18.0	-0.113	-0.255	2.8740	
180 minute winter	S12	3.003	S15	25.7	0.162	0.373	3.6838	
180 minute winter	S1	5.000	S3	16.7	0.108	0.234	13.5151	
180 minute winter	S3	5.001	S2	19.9	0.188	0.280	9.1848	
180 minute winter	S2	5.002	S15	31.2	0.197	0.458	3.4165	
180 minute winter	S14	6.000	S15	13.1	-0.111	0.186	11.8707	
180 minute winter	S15	3.004	S75	53.1	0.335	0.742	4.9661	
180 minute winter	S75	1.003	S92	84.5	0.533	1.187	5.3380	
180 minute winter	S87	7.000	S88	7.5	0.146	0.105	6.8747	
180 minute winter	S88	7.001	S89	15.3	0.184	0.215	6.8747	
180 minute winter	S89	7.002	S90	23.9	0.217	0.335	6.8747	
180 minute winter	S90	7.003	S92	30.4	0.269	0.431	8.6413	
180 minute winter	S92	1.005	S86	94.9	0.599	1.336	4.4095	
180 minute winter	S81	8.000	S82	7.6	0.145	0.107	6.8747	
180 minute winter	S82	8.001	S83	15.7	0.181	0.225	6.8747	
180 minute winter	S83	8.002	S84	23.5	0.209	0.330	6.8747	
180 minute winter	S84	8.003	S86	31.6	0.260	0.445	8.1975	
180 minute winter	S86	1.006	S30	102.6	0.648	1.446	4.4165	
180 minute winter	S76	9.000	S77	7.8	0.146	0.109	6.8747	
180 minute winter	S77	9.001	S78	15.7	0.182	0.220	6.8747	

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Results for 30 year 180 minute winter. 1620 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
180 minute winter	S78	112	0.554	0.915	23.8	2.9406	0.0000	SURCHARGED
180 minute winter	S79	112	0.553	0.935	31.4	2.9530	0.0000	SURCHARGED
180 minute winter	S30	112	0.548	0.955	112.1	2.4312	0.0000	SURCHARGED
180 minute winter	S31	108	0.507	0.843	9.5	2.7929	0.0000	SURCHARGED
180 minute winter	S32	112	0.508	0.887	15.8	2.7377	0.0000	SURCHARGED
180 minute winter	S33	112	0.506	0.929	120.2	2.3647	0.0000	SURCHARGED
180 minute winter	S34	112	0.451	0.890	123.0	1.5721	0.0000	SURCHARGED
180 minute winter	S35	108	0.362	0.828	122.2	1.4625	0.0000	SURCHARGED
180 minute winter	S36	108	0.331	0.773	3.7	1.3665	0.0000	SURCHARGED
180 minute winter	S37	108	0.331	0.802	137.3	3.9440	0.0000	SURCHARGED
180 minute winter	S38	108	0.148	0.664	137.7	1.1726	0.0000	SURCHARGED
180 minute winter	S39	108	-0.036	0.526	137.7	0.9290	0.0000	SURCHARGED
180 minute winter	S56	108	-0.069	0.490	1.2	0.8662	0.0000	SURCHARGED
180 minute winter	S57	108	-0.069	0.496	137.6	1.2627	0.0000	SURCHARGED
180 minute winter	S125	108	-0.137	0.418	2.8	0.7386	0.0000	OK
180 minute winter	S127	108	-0.137	0.442	137.1	1.1249	0.0000	OK
180 minute winter	S119	108	-0.204	0.365	2.7	0.6443	0.0000	OK
180 minute winter	S60	112	-0.204	0.389	136.9	0.9890	0.0000	OK
180 minute winter	Pond Inlet 1	116	-0.316	0.294	136.8	0.5193	0.0000	OK
180 minute winter	Pond Outlet	1484	-0.399	0.211	79.7	0.2390	0.0000	OK
180 minute winter	S13	1052	-0.399	0.239	0.5	0.8292	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	0.595	0.095	5.6	7.1150	0.0000	OK
180 minute winter	PP-S25	128	0.593	0.093	5.8	6.2781	0.0000	OK
180 minute winter	PP-S16	120	0.591	0.091	7.1	7.4922	0.0000	OK
180 minute winter	PP-S145	128	0.587	0.087	8.1	7.3154	0.0000	OK
180 minute winter	PP-S4	120	0.589	0.089	6.2	7.2132	0.0000	OK
180 minute winter	PP-S1	128	0.589	0.089	13.7	28.2078	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	23.5	0.209	0.338	6.8745	
180 minute winter	S79	9.003	S30	32.2	0.248	0.448	7.6907	
180 minute winter	S30	1.007	S33	111.5	0.704	1.566	5.0209	
180 minute winter	S31	10.000	S32	8.3	0.157	0.118	13.6740	
180 minute winter	S32	10.001	S33	16.3	0.213	0.228	13.6740	
180 minute winter	S33	1.008	S34	118.2	0.746	1.676	5.1108	
180 minute winter	S34	1.009	S35	121.8	0.769	1.714	8.5103	
180 minute winter	S35	1.010	S37	122.6	0.774	1.846	1.7947	
180 minute winter	S36	11.000	S37	3.6	-0.063	0.051	9.1184	
180 minute winter	S37	1.011	S38	137.7	0.869	1.949	14.3287	
180 minute winter	S38	1.012	S39	137.7	0.869	1.928	14.3287	
180 minute winter	S39	1.013	S57	137.6	0.868	2.171	1.1814	
180 minute winter	S56	12.011	S57	-1.2	-0.198	-0.018	2.0645	
180 minute winter	S57	1.014	S127	137.1	0.866	1.939	4.4392	
180 minute winter	S125	21.003	S127	-2.8	-0.154	-0.040	7.6774	
180 minute winter	S127	1.015	S60	136.9	0.899	1.922	4.1990	
180 minute winter	S119	22.003	S60	-2.7	-0.159	-0.039	6.9818	
180 minute winter	S60	1.016	Pond Inlet 1	136.8	1.063	1.806	3.8051	
180 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	79.7	0.034	0.002	1093.7662	
180 minute winter	Pond Outlet	1.018	S13	0.5	0.230	0.006	0.3845	
180 minute winter	S13	Pump	Final Outfall	0.0				0.0
180 minute winter	PP-S26	1.000_1	S26	6.1	0.543	0.159	0.2367	
180 minute winter	PP-S25	2.000_1	S25	11.9	0.688	0.207	0.1144	
180 minute winter	PP-S16	3.000_1	S16	15.5	0.910	0.230	0.1252	
180 minute winter	PP-S145	4.000_2	S145	16.2	1.114	0.192	0.1350	
180 minute winter	PP-S4	1.000_2	S4	12.8	0.782	0.224	0.0999	
180 minute winter	PP-S1	4.000_1	S1	15.6	1.037	0.235	0.1289	

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Results for 30 year 180 minute winter. 1620 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
180 minute winter	PP-S5	128	0.585	0.085	8.7	7.1769	0.0000	OK
180 minute winter	PP-S12	120	0.586	0.086	7.8	7.3147	0.0000	OK
180 minute winter	PP-S14	140	0.567	0.067	11.3	19.1504	0.0000	OK
180 minute winter	PP-S2	124	0.585	0.085	13.7	8.1459	0.0000	OK
180 minute winter	PP-S15	124	0.588	0.088	6.7	4.3149	0.0000	OK
180 minute winter	PP-S75	124	0.586	0.086	12.2	4.6926	0.0000	OK
180 minute winter	PP-S24	120	0.577	0.077	10.1	6.8736	0.0000	OK
180 minute winter	PP-S30	112	0.547	0.047	3.9	2.1048	0.0000	OK
180 minute winter	PP-S33	100	0.523	0.023	2.5	0.5358	0.0000	OK
180 minute winter	PP-S34	100	0.531	0.031	4.8	1.3241	0.0000	OK
180 minute winter	PP-S35	100	0.512	0.012	0.7	0.1873	0.0000	OK
180 minute winter	PP-S36	100	0.528	0.028	3.7	0.8107	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	18.0	1.057	0.242	0.1299	
180 minute winter	PP-S12	8.000_1	S12	12.7	0.911	0.140	0.1340	
180 minute winter	PP-S14	11.000_1	S14	16.2	1.227	0.196	0.1206	
180 minute winter	PP-S2	10.000_1	S2	19.2	0.998	0.210	0.1337	
180 minute winter	PP-S15	12.000_1	S15	21.1	0.982	0.224	0.1351	
180 minute winter	PP-S75	13.000_1	S75	22.8	1.002	0.230	0.1343	
180 minute winter	PP-S24	14.000_1	S92	16.2	1.339	0.157	0.1293	
180 minute winter	PP-S30	18.000_1	S30	5.1	1.069	0.046	0.1146	
180 minute winter	PP-S33	20.000_1	S33	2.5	1.144	0.022	0.1047	
180 minute winter	PP-S34	21.000_1	S34	4.9	1.416	0.042	0.1034	
180 minute winter	PP-S35	22.000_2	S35	0.7	0.832	0.006	0.0690	
180 minute winter	PP-S36	23.000_2	S36	3.7	1.332	0.031	0.0438	

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Results for 30 year 240 minute summer. 1680 minute analysis at 4 minute timestep. Mass balance: 99.95%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute summer	S26	148	0.570	0.808	7.3	1.4286	0.0000	SURCHARGED
240 minute summer	S25	152	0.578	0.822	7.6	2.0927	0.0000	SURCHARGED
240 minute summer	S16	152	0.575	0.842	28.0	3.7344	0.0000	SURCHARGED
240 minute summer	S145	148	0.566	0.881	45.0	3.7946	0.0000	SURCHARGED
240 minute summer	S4	144	0.558	0.801	8.1	1.4149	0.0000	SURCHARGED
240 minute summer	S5	148	0.563	0.847	15.5	1.4963	0.0000	SURCHARGED
240 minute summer	S9	148	0.569	0.865	4.3	1.9927	0.0000	SURCHARGED
240 minute summer	S10	148	0.564	0.885	4.8	1.5640	0.0000	SURCHARGED
240 minute summer	S11	148	0.563	0.889	19.8	1.5705	0.0000	SURCHARGED
240 minute summer	S12	148	0.560	0.895	20.9	1.5807	0.0000	SURCHARGED
240 minute summer	S1	148	0.568	0.832	9.6	1.9593	0.0000	SURCHARGED
240 minute summer	S3	148	0.569	0.876	17.0	2.8030	0.0000	SURCHARGED
240 minute summer	S2	148	0.561	0.897	24.2	1.5855	0.0000	SURCHARGED
240 minute summer	S14	148	0.564	0.873	6.9	1.5424	0.0000	SURCHARGED
240 minute summer	S15	144	0.558	0.904	46.0	4.0683	0.0000	SURCHARGED
240 minute summer	S75	144	0.557	0.919	72.8	2.3392	0.0000	SURCHARGED
240 minute summer	S87	136	0.563	0.849	9.5	2.7546	0.0000	SURCHARGED
240 minute summer	S88	136	0.562	0.870	16.6	2.8383	0.0000	SURCHARGED
240 minute summer	S89	136	0.560	0.890	21.8	2.8860	0.0000	SURCHARGED
240 minute summer	S90	136	0.559	0.911	27.7	2.9014	0.0000	SURCHARGED
240 minute summer	S92	140	0.551	0.930	88.9	2.3664	0.0000	SURCHARGED
240 minute summer	S81	136	0.550	0.852	9.5	2.7519	0.0000	SURCHARGED
240 minute summer	S82	136	0.552	0.876	16.6	2.8439	0.0000	SURCHARGED
240 minute summer	S83	136	0.548	0.893	22.0	2.8837	0.0000	SURCHARGED
240 minute summer	S84	140	0.543	0.910	27.4	2.8865	0.0000	SURCHARGED
240 minute summer	S86	140	0.539	0.932	100.2	2.3708	0.0000	SURCHARGED
240 minute summer	S76	136	0.527	0.844	9.5	2.7141	0.0000	SURCHARGED
240 minute summer	S77	136	0.528	0.867	16.6	2.8032	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	9.0	0.057	0.127	9.2005	
240 minute summer	S25	2.000	S16	6.8	0.043	0.096	7.3393	
240 minute summer	S16	1.001	S145	25.3	0.160	0.355	15.0038	
240 minute summer	S145	1.002	S75	45.7	0.289	0.648	15.0038	
240 minute summer	S4	3.000	S5	6.0	0.090	0.085	13.1095	
240 minute summer	S5	3.001	S11	11.2	0.115	0.157	13.1095	
240 minute summer	S9	4.000	S10	3.9	0.126	0.055	8.0648	
240 minute summer	S10	4.001	S11	5.5	0.133	0.072	1.3780	
240 minute summer	S11	3.002	S12	-19.8	-0.125	-0.281	2.8740	
240 minute summer	S12	3.003	S15	-19.0	-0.120	-0.276	3.6838	
240 minute summer	S1	5.000	S3	14.6	0.106	0.206	13.5151	
240 minute summer	S3	5.001	S2	16.2	0.167	0.228	9.1848	
240 minute summer	S2	5.002	S15	24.5	0.155	0.360	3.4165	
240 minute summer	S14	6.000	S15	-6.9	-0.077	-0.098	11.8707	
240 minute summer	S15	3.004	S75	42.7	0.270	0.597	4.9661	
240 minute summer	S75	1.003	S92	73.1	0.462	1.028	5.3380	
240 minute summer	S87	7.000	S88	8.5	0.131	0.119	6.8747	
240 minute summer	S88	7.001	S89	14.9	0.168	0.209	6.8747	
240 minute summer	S89	7.002	S90	21.1	0.191	0.295	6.8747	
240 minute summer	S90	7.003	S92	28.4	0.228	0.402	8.6413	
240 minute summer	S92	1.005	S86	87.0	0.549	1.225	4.4095	
240 minute summer	S81	8.000	S82	7.8	0.131	0.109	6.8747	
240 minute summer	S82	8.001	S83	13.9	0.166	0.200	6.8747	
240 minute summer	S83	8.002	S84	19.1	0.187	0.267	6.8747	
240 minute summer	S84	8.003	S86	24.7	0.234	0.347	8.1975	
240 minute summer	S86	1.006	S30	96.6	0.610	1.361	4.4165	
240 minute summer	S76	9.000	S77	7.5	0.131	0.106	6.8747	
240 minute summer	S77	9.001	S78	13.4	0.167	0.187	6.8747	

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Results for 30 year 240 minute summer. 1680 minute analysis at 4 minute timestep. Mass balance: 99.95%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute summer	S78	136	0.523	0.884	22.5	2.8401	0.0000	SURCHARGED
240 minute summer	S79	140	0.520	0.902	29.2	2.8494	0.0000	SURCHARGED
240 minute summer	S30	140	0.517	0.924	109.6	2.3519	0.0000	SURCHARGED
240 minute summer	S31	136	0.480	0.816	10.3	2.7011	0.0000	SURCHARGED
240 minute summer	S32	140	0.476	0.855	14.9	2.6414	0.0000	SURCHARGED
240 minute summer	S33	140	0.476	0.899	117.5	2.2890	0.0000	SURCHARGED
240 minute summer	S34	140	0.422	0.861	120.7	1.5206	0.0000	SURCHARGED
240 minute summer	S35	140	0.333	0.799	120.6	1.4115	0.0000	SURCHARGED
240 minute summer	S36	140	0.302	0.744	3.8	1.3141	0.0000	SURCHARGED
240 minute summer	S37	140	0.303	0.774	137.2	3.8029	0.0000	SURCHARGED
240 minute summer	S38	140	0.127	0.643	135.7	1.1360	0.0000	SURCHARGED
240 minute summer	S39	140	-0.048	0.514	134.8	0.9074	0.0000	SURCHARGED
240 minute summer	S56	140	-0.080	0.479	0.8	0.8472	0.0000	SURCHARGED
240 minute summer	S57	140	-0.079	0.486	134.4	1.2356	0.0000	SURCHARGED
240 minute summer	S125	140	-0.144	0.411	1.6	0.7259	0.0000	OK
240 minute summer	S127	140	-0.144	0.435	134.0	1.1068	0.0000	OK
240 minute summer	S119	140	-0.210	0.359	1.7	0.6343	0.0000	OK
240 minute summer	S60	140	-0.210	0.383	134.0	0.9743	0.0000	OK
240 minute summer	Pond Inlet 1	144	-0.321	0.289	133.7	0.5114	0.0000	OK
240 minute summer	Pond Outlet	1580	-0.408	0.202	71.5	0.2285	0.0000	OK
240 minute summer	S13	1288	-0.408	0.230	0.3	0.7970	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	148	0.566	0.066	3.5	3.9113	0.0000	OK
240 minute summer	PP-S25	148	0.565	0.065	5.7	3.6303	0.0000	OK
240 minute summer	PP-S16	144	0.561	0.061	7.4	3.4692	0.0000	OK
240 minute summer	PP-S145	152	0.557	0.057	8.4	3.0983	0.0000	OK
240 minute summer	PP-S4	148	0.565	0.065	4.0	3.8909	0.0000	OK
240 minute summer	PP-S1	156	0.555	0.055	10.0	15.8789	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	20.3	0.189	0.291	6.8745	
240 minute summer	S79	9.003	S30	27.1	0.233	0.377	7.6907	
240 minute summer	S30	1.007	S33	109.0	0.688	1.531	5.0209	
240 minute summer	S31	10.000	S32	7.4	0.138	0.105	13.6740	
240 minute summer	S32	10.001	S33	11.6	0.175	0.162	13.6740	
240 minute summer	S33	1.008	S34	116.8	0.737	1.655	5.1108	
240 minute summer	S34	1.009	S35	119.9	0.757	1.689	8.5103	
240 minute summer	S35	1.010	S37	120.0	0.757	1.806	1.7947	
240 minute summer	S36	11.000	S37	4.4	-0.050	0.062	9.1184	
240 minute summer	S37	1.011	S38	135.7	0.856	1.920	14.3287	
240 minute summer	S38	1.012	S39	134.8	0.851	1.887	14.3287	
240 minute summer	S39	1.013	S57	134.4	0.849	2.122	1.1814	
240 minute summer	S56	12.011	S57	-0.8	-0.161	-0.012	2.0645	
240 minute summer	S57	1.014	S127	134.0	0.846	1.894	4.4263	
240 minute summer	S125	21.003	S127	-1.6	-0.158	-0.023	7.6118	
240 minute summer	S127	1.015	S60	134.0	0.886	1.881	4.1613	
240 minute summer	S119	22.003	S60	-1.7	-0.141	-0.024	6.8878	
240 minute summer	S60	1.016	Pond Inlet 1	133.7	1.054	1.766	3.7496	
240 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	71.5	0.024	0.001	1043.1644	
240 minute summer	Pond Outlet	1.018	S13	0.3	0.190	0.004	0.3680	
240 minute summer	S13	Pump	Final Outfall	0.0				0.0
240 minute summer	PP-S26	1.000_1	S26	5.7	0.552	0.147	0.1618	
240 minute summer	PP-S25	2.000_1	S25	7.6	0.697	0.133	0.0849	
240 minute summer	PP-S16	3.000_1	S16	9.2	0.922	0.136	0.0952	
240 minute summer	PP-S145	4.000_2	S145	11.8	1.121	0.140	0.1106	
240 minute summer	PP-S4	1.000_2	S4	8.1	0.794	0.143	0.0763	
240 minute summer	PP-S1	4.000_1	S1	7.7	1.002	0.116	0.0856	

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Results for 30 year 240 minute summer. 1680 minute analysis at 4 minute timestep. Mass balance: 99.95%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute summer	PP-S5	144	0.559	0.059	5.9	3.4602	0.0000	OK
240 minute summer	PP-S12	148	0.560	0.060	6.8	4.4493	0.0000	OK
240 minute summer	PP-S14	156	0.543	0.043	7.8	7.7541	0.0000	OK
240 minute summer	PP-S2	144	0.557	0.057	6.1	5.0271	0.0000	OK
240 minute summer	PP-S15	144	0.557	0.057	7.0	2.4756	0.0000	OK
240 minute summer	PP-S75	148	0.557	0.057	8.0	2.7770	0.0000	OK
240 minute summer	PP-S24	140	0.549	0.049	7.1	2.9017	0.0000	OK
240 minute summer	PP-S30	132	0.522	0.022	2.2	0.5840	0.0000	OK
240 minute summer	PP-S33	132	0.524	0.024	2.6	0.5558	0.0000	OK
240 minute summer	PP-S34	132	0.532	0.032	5.0	1.3835	0.0000	OK
240 minute summer	PP-S35	132	0.513	0.013	0.8	0.1971	0.0000	OK
240 minute summer	PP-S36	132	0.528	0.028	3.9	0.8409	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	10.8	1.074	0.146	0.0975	
240 minute summer	PP-S12	8.000_1	S12	9.7	0.912	0.107	0.1180	
240 minute summer	PP-S14	11.000_1	S14	-7.7	0.997	-0.093	0.0991	
240 minute summer	PP-S2	10.000_1	S2	12.1	0.992	0.133	0.1167	
240 minute summer	PP-S15	12.000_1	S15	7.5	0.985	0.080	0.1185	
240 minute summer	PP-S75	13.000_1	S75	9.1	1.009	0.093	0.1190	
240 minute summer	PP-S24	14.000_1	S92	9.7	1.345	0.095	0.1154	
240 minute summer	PP-S30	18.000_1	S30	2.2	1.072	0.020	0.1041	
240 minute summer	PP-S33	20.000_1	S33	2.6	1.154	0.023	0.1027	
240 minute summer	PP-S34	21.000_1	S34	4.8	1.439	0.041	0.0917	
240 minute summer	PP-S35	22.000_2	S35	0.7	0.849	0.006	0.0529	
240 minute summer	PP-S36	23.000_2	S36	3.8	1.347	0.032	0.0278	

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Results for 30 year 240 minute winter. 1680 minute analysis at 4 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
240 minute winter	S26	168	0.574	0.812	9.8	1.4355	0.0000	SURCHARGED
240 minute winter	S25	152	0.566	0.810	9.0	2.0621	0.0000	SURCHARGED
240 minute winter	S16	152	0.567	0.834	23.2	3.6998	0.0000	SURCHARGED
240 minute winter	S145	160	0.566	0.881	34.3	3.7947	0.0000	SURCHARGED
240 minute winter	S4	152	0.589	0.832	8.8	1.4710	0.0000	SURCHARGED
240 minute winter	S5	156	0.576	0.860	9.0	1.5189	0.0000	SURCHARGED
240 minute winter	S9	148	0.564	0.860	4.7	1.9821	0.0000	SURCHARGED
240 minute winter	S10	152	0.563	0.884	6.5	1.5620	0.0000	SURCHARGED
240 minute winter	S11	152	0.564	0.890	10.8	1.5731	0.0000	SURCHARGED
240 minute winter	S12	152	0.562	0.897	15.7	1.5854	0.0000	SURCHARGED
240 minute winter	S1	148	0.567	0.831	11.6	1.9562	0.0000	SURCHARGED
240 minute winter	S3	148	0.570	0.877	17.5	2.8045	0.0000	SURCHARGED
240 minute winter	S2	148	0.570	0.906	24.9	1.6004	0.0000	SURCHARGED
240 minute winter	S14	148	0.564	0.873	8.0	1.5433	0.0000	SURCHARGED
240 minute winter	S15	148	0.563	0.909	45.4	4.0910	0.0000	SURCHARGED
240 minute winter	S75	152	0.559	0.921	70.0	2.3446	0.0000	SURCHARGED
240 minute winter	S87	152	0.560	0.846	7.1	2.7453	0.0000	SURCHARGED
240 minute winter	S88	152	0.559	0.867	12.9	2.8275	0.0000	SURCHARGED
240 minute winter	S89	152	0.557	0.887	19.0	2.8733	0.0000	SURCHARGED
240 minute winter	S90	148	0.555	0.907	24.9	2.8887	0.0000	SURCHARGED
240 minute winter	S92	152	0.552	0.931	84.2	2.3701	0.0000	SURCHARGED
240 minute winter	S81	152	0.543	0.845	7.1	2.7274	0.0000	SURCHARGED
240 minute winter	S82	152	0.542	0.866	12.4	2.8110	0.0000	SURCHARGED
240 minute winter	S83	152	0.541	0.886	18.4	2.8586	0.0000	SURCHARGED
240 minute winter	S84	148	0.539	0.906	24.3	2.8751	0.0000	SURCHARGED
240 minute winter	S86	148	0.537	0.930	95.5	2.3663	0.0000	SURCHARGED
240 minute winter	S76	148	0.518	0.835	7.1	2.6851	0.0000	SURCHARGED
240 minute winter	S77	140	0.518	0.857	12.5	2.7707	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	-7.8	-0.049	-0.110	9.2005	
240 minute winter	S25	2.000	S16	-7.2	-0.045	-0.101	7.3393	
240 minute winter	S16	1.001	S145	18.0	0.159	0.253	15.0038	
240 minute winter	S145	1.002	S75	29.0	0.222	0.412	15.0038	
240 minute winter	S4	3.000	S5	7.9	0.098	0.113	13.1095	
240 minute winter	S5	3.001	S11	10.7	0.109	0.149	13.1095	
240 minute winter	S9	4.000	S10	2.1	0.134	0.030	8.0648	
240 minute winter	S10	4.001	S11	-6.5	0.141	-0.085	1.3780	
240 minute winter	S11	3.002	S12	11.4	-0.095	0.162	2.8740	
240 minute winter	S12	3.003	S15	17.9	0.113	0.260	3.6838	
240 minute winter	S1	5.000	S3	14.2	0.108	0.199	13.5151	
240 minute winter	S3	5.001	S2	17.5	0.180	0.247	9.1848	
240 minute winter	S2	5.002	S15	25.9	0.163	0.380	3.4165	
240 minute winter	S14	6.000	S15	-8.0	-0.095	-0.114	11.8707	
240 minute winter	S15	3.004	S75	46.7	0.295	0.652	4.9661	
240 minute winter	S75	1.003	S92	70.4	0.444	0.990	5.3380	
240 minute winter	S87	7.000	S88	6.3	0.135	0.088	6.8747	
240 minute winter	S88	7.001	S89	12.8	0.174	0.180	6.8747	
240 minute winter	S89	7.002	S90	18.9	0.202	0.264	6.8747	
240 minute winter	S90	7.003	S92	24.6	0.239	0.349	8.6413	
240 minute winter	S92	1.005	S86	84.0	0.530	1.182	4.4095	
240 minute winter	S81	8.000	S82	5.9	0.134	0.083	6.8747	
240 minute winter	S82	8.001	S83	12.1	0.172	0.173	6.8747	
240 minute winter	S83	8.002	S84	18.3	0.201	0.256	6.8747	
240 minute winter	S84	8.003	S86	24.0	0.246	0.338	8.1975	
240 minute winter	S86	1.006	S30	95.6	0.604	1.347	4.4165	
240 minute winter	S76	9.000	S77	5.9	0.135	0.083	6.8747	
240 minute winter	S77	9.001	S78	11.8	0.172	0.165	6.8747	

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Results for 30 year 240 minute winter. 1680 minute analysis at 4 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
240 minute winter	S78	140	0.518	0.879	18.0	2.8253	0.0000	SURCHARGED
240 minute winter	S79	140	0.517	0.899	23.8	2.8397	0.0000	SURCHARGED
240 minute winter	S30	140	0.514	0.921	108.4	2.3434	0.0000	SURCHARGED
240 minute winter	S31	140	0.471	0.807	7.7	2.6741	0.0000	SURCHARGED
240 minute winter	S32	140	0.472	0.851	12.9	2.6268	0.0000	SURCHARGED
240 minute winter	S33	140	0.471	0.894	118.9	2.2765	0.0000	SURCHARGED
240 minute winter	S34	140	0.417	0.856	121.6	1.5118	0.0000	SURCHARGED
240 minute winter	S35	140	0.327	0.793	121.5	1.4017	0.0000	SURCHARGED
240 minute winter	S36	140	0.297	0.739	3.1	1.3050	0.0000	SURCHARGED
240 minute winter	S37	140	0.297	0.768	134.8	3.7747	0.0000	SURCHARGED
240 minute winter	S38	144	0.123	0.639	133.3	1.1290	0.0000	SURCHARGED
240 minute winter	S39	144	-0.050	0.512	133.3	0.9042	0.0000	SURCHARGED
240 minute winter	S56	144	-0.081	0.478	1.2	0.8447	0.0000	SURCHARGED
240 minute winter	S57	144	-0.081	0.484	133.3	1.2319	0.0000	SURCHARGED
240 minute winter	S125	144	-0.145	0.410	2.2	0.7245	0.0000	OK
240 minute winter	S127	144	-0.145	0.434	133.3	1.1046	0.0000	OK
240 minute winter	S119	144	-0.210	0.359	1.7	0.6342	0.0000	OK
240 minute winter	S60	144	-0.210	0.383	133.2	0.9745	0.0000	OK
240 minute winter	Pond Inlet 1	156	-0.318	0.292	133.2	0.5158	0.0000	OK
240 minute winter	Pond Outlet	1628	-0.385	0.225	68.4	0.2541	0.0000	OK
240 minute winter	S13	1288	-0.385	0.253	0.3	0.8755	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	152	0.568	0.068	3.5	4.1694	0.0000	OK
240 minute winter	PP-S25	152	0.568	0.068	3.8	3.8790	0.0000	OK
240 minute winter	PP-S16	148	0.564	0.064	5.4	3.7174	0.0000	OK
240 minute winter	PP-S145	152	0.562	0.062	7.1	3.6776	0.0000	OK
240 minute winter	PP-S4	152	0.566	0.066	4.8	3.9605	0.0000	OK
240 minute winter	PP-S1	160	0.563	0.063	9.9	18.8171	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	17.8	0.200	0.256	6.8745	
240 minute winter	S79	9.003	S30	23.9	0.245	0.333	7.6907	
240 minute winter	S30	1.007	S33	108.8	0.687	1.529	5.0209	
240 minute winter	S31	10.000	S32	6.5	0.144	0.093	13.6740	
240 minute winter	S32	10.001	S33	11.9	0.180	0.167	13.6740	
240 minute winter	S33	1.008	S34	117.7	0.743	1.669	5.1108	
240 minute winter	S34	1.009	S35	120.9	0.763	1.703	8.5103	
240 minute winter	S35	1.010	S37	120.6	0.761	1.815	1.7947	
240 minute winter	S36	11.000	S37	2.8	-0.047	0.039	9.1184	
240 minute winter	S37	1.011	S38	133.3	0.841	1.886	14.3287	
240 minute winter	S38	1.012	S39	133.3	0.842	1.866	14.3287	
240 minute winter	S39	1.013	S57	133.3	0.841	2.104	1.1814	
240 minute winter	S56	12.011	S57	-1.2	-0.149	-0.018	2.0645	
240 minute winter	S57	1.014	S127	133.3	0.841	1.884	4.4241	
240 minute winter	S125	21.003	S127	-2.2	-0.136	-0.032	7.6032	
240 minute winter	S127	1.015	S60	133.2	0.882	1.870	4.1596	
240 minute winter	S119	22.003	S60	-1.7	-0.149	-0.025	6.8880	
240 minute winter	S60	1.016	Pond Inlet 1	133.2	1.048	1.758	3.7625	
240 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	68.4	0.027	0.001	1166.5734	
240 minute winter	Pond Outlet	1.018	S13	0.3	0.198	0.005	0.4070	
240 minute winter	S13	Pump	Final Outfall	0.0				0.0
240 minute winter	PP-S26	1.000_1	S26	4.1	0.518	0.106	0.1614	
240 minute winter	PP-S25	2.000_1	S25	6.6	0.656	0.114	0.0829	
240 minute winter	PP-S16	3.000_1	S16	8.9	0.872	0.132	0.0911	
240 minute winter	PP-S145	4.000_2	S145	13.5	1.060	0.159	0.1137	
240 minute winter	PP-S4	1.000_2	S4	8.8	0.752	0.155	0.0943	
240 minute winter	PP-S1	4.000_1	S1	10.3	1.009	0.155	0.0872	

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Results for 30 year 240 minute winter. 1680 minute analysis at 4 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
240 minute winter	PP-S5	148	0.560	0.060	5.3	3.6920	0.0000	OK
240 minute winter	PP-S12	152	0.562	0.062	5.6	4.6800	0.0000	OK
240 minute winter	PP-S14	168	0.550	0.050	7.7	10.6777	0.0000	OK
240 minute winter	PP-S2	156	0.560	0.060	7.4	5.3650	0.0000	OK
240 minute winter	PP-S15	156	0.560	0.060	9.0	2.6945	0.0000	OK
240 minute winter	PP-S75	152	0.561	0.061	7.0	3.0596	0.0000	OK
240 minute winter	PP-S24	148	0.550	0.050	6.7	3.0288	0.0000	OK
240 minute winter	PP-S30	128	0.520	0.020	1.7	0.4754	0.0000	OK
240 minute winter	PP-S33	128	0.521	0.021	2.0	0.4422	0.0000	OK
240 minute winter	PP-S34	132	0.529	0.029	3.9	1.1144	0.0000	OK
240 minute winter	PP-S35	132	0.511	0.011	0.6	0.1647	0.0000	OK
240 minute winter	PP-S36	132	0.525	0.025	3.0	0.6710	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	6.6	1.013	0.089	0.1046	
240 minute winter	PP-S12	8.000_1	S12	9.5	0.869	0.104	0.1197	
240 minute winter	PP-S14	11.000_1	S14	7.7	1.056	0.093	0.1005	
240 minute winter	PP-S2	10.000_1	S2	12.6	0.960	0.138	0.1185	
240 minute winter	PP-S15	12.000_1	S15	10.1	0.928	0.107	0.1201	
240 minute winter	PP-S75	13.000_1	S75	9.2	0.952	0.093	0.1212	
240 minute winter	PP-S24	14.000_1	S92	9.3	1.274	0.091	0.1159	
240 minute winter	PP-S30	18.000_1	S30	1.7	1.014	0.016	0.1036	
240 minute winter	PP-S33	20.000_1	S33	2.0	1.082	0.018	0.1010	
240 minute winter	PP-S34	21.000_1	S34	4.1	1.345	0.035	0.0886	
240 minute winter	PP-S35	22.000_2	S35	0.6	0.798	0.005	0.0495	
240 minute winter	PP-S36	23.000_2	S36	3.1	1.257	0.026	0.0248	

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Results for 30 year 360 minute summer. 1800 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
360 minute summer	S26	208	0.441	0.679	2.6	1.1990	0.0000	SURCHARGED
360 minute summer	S25	208	0.445	0.689	4.2	1.7544	0.0000	SURCHARGED
360 minute summer	S16	208	0.437	0.704	12.4	3.1237	0.0000	SURCHARGED
360 minute summer	S145	208	0.439	0.754	20.9	3.2481	0.0000	SURCHARGED
360 minute summer	S4	208	0.429	0.672	3.5	1.1868	0.0000	SURCHARGED
360 minute summer	S5	208	0.431	0.715	6.8	1.2635	0.0000	SURCHARGED
360 minute summer	S9	208	0.435	0.731	2.6	1.6840	0.0000	SURCHARGED
360 minute summer	S10	208	0.434	0.755	2.0	1.3349	0.0000	SURCHARGED
360 minute summer	S11	208	0.434	0.760	8.8	1.3436	0.0000	SURCHARGED
360 minute summer	S12	208	0.435	0.770	10.3	1.3604	0.0000	SURCHARGED
360 minute summer	S1	208	0.440	0.704	7.4	1.6572	0.0000	SURCHARGED
360 minute summer	S3	208	0.438	0.745	12.5	2.3833	0.0000	SURCHARGED
360 minute summer	S2	208	0.436	0.772	13.7	1.3641	0.0000	SURCHARGED
360 minute summer	S14	208	0.436	0.745	2.3	1.3171	0.0000	SURCHARGED
360 minute summer	S15	208	0.435	0.781	30.6	3.5161	0.0000	SURCHARGED
360 minute summer	S75	208	0.433	0.795	49.3	2.0228	0.0000	SURCHARGED
360 minute summer	S87	208	0.425	0.711	7.1	2.3058	0.0000	SURCHARGED
360 minute summer	S88	208	0.424	0.732	12.7	2.3886	0.0000	SURCHARGED
360 minute summer	S89	208	0.425	0.755	17.1	2.4456	0.0000	SURCHARGED
360 minute summer	S90	208	0.424	0.776	21.4	2.4731	0.0000	SURCHARGED
360 minute summer	S92	208	0.423	0.802	68.3	2.0401	0.0000	SURCHARGED
360 minute summer	S81	208	0.408	0.710	7.1	2.2924	0.0000	SURCHARGED
360 minute summer	S82	208	0.408	0.732	12.7	2.3770	0.0000	SURCHARGED
360 minute summer	S83	208	0.408	0.753	17.2	2.4302	0.0000	SURCHARGED
360 minute summer	S84	208	0.407	0.774	21.6	2.4550	0.0000	SURCHARGED
360 minute summer	S86	208	0.405	0.798	83.5	2.0319	0.0000	SURCHARGED
360 minute summer	S76	208	0.382	0.699	7.1	2.2481	0.0000	SURCHARGED
360 minute summer	S77	208	0.382	0.721	12.7	2.3314	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	3.0	0.045	0.042	9.2005	
360 minute summer	S25	2.000	S16	2.7	0.038	0.038	7.3393	
360 minute summer	S16	1.001	S145	10.6	0.141	0.149	15.0038	
360 minute summer	S145	1.002	S75	20.5	0.192	0.290	15.0038	
360 minute summer	S4	3.000	S5	3.0	0.083	0.043	13.1095	
360 minute summer	S5	3.001	S11	6.6	0.118	0.093	13.1095	
360 minute summer	S9	4.000	S10	2.0	0.112	0.029	8.0648	
360 minute summer	S10	4.001	S11	2.2	0.110	0.028	1.3780	
360 minute summer	S11	3.002	S12	9.8	0.074	0.138	2.8740	
360 minute summer	S12	3.003	S15	10.5	0.075	0.153	3.6838	
360 minute summer	S1	5.000	S3	7.5	0.102	0.106	13.5151	
360 minute summer	S3	5.001	S2	11.6	0.149	0.164	9.1848	
360 minute summer	S2	5.002	S15	13.0	0.102	0.191	3.4165	
360 minute summer	S14	6.000	S15	-2.2	-0.056	-0.032	11.8707	
360 minute summer	S15	3.004	S75	27.9	0.176	0.390	4.9661	
360 minute summer	S75	1.003	S92	49.7	0.313	0.698	5.3380	
360 minute summer	S87	7.000	S88	5.4	0.123	0.075	6.8747	
360 minute summer	S88	7.001	S89	9.8	0.154	0.137	6.8747	
360 minute summer	S89	7.002	S90	14.3	0.173	0.200	6.8747	
360 minute summer	S90	7.003	S92	18.6	0.203	0.263	8.6413	
360 minute summer	S92	1.005	S86	67.9	0.428	0.955	4.4095	
360 minute summer	S81	8.000	S82	5.4	0.122	0.076	6.8747	
360 minute summer	S82	8.001	S83	9.9	0.151	0.141	6.8747	
360 minute summer	S83	8.002	S84	14.5	0.170	0.203	6.8747	
360 minute summer	S84	8.003	S86	18.9	0.203	0.267	8.1975	
360 minute summer	S86	1.006	S30	83.2	0.525	1.172	4.4165	
360 minute summer	S76	9.000	S77	5.4	0.123	0.076	6.8747	
360 minute summer	S77	9.001	S78	10.0	0.152	0.140	6.8747	

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Results for 30 year 360 minute summer. 1800 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
360 minute summer	S78	208	0.382	0.743	17.3	2.3877	0.0000	SURCHARGED
360 minute summer	S79	208	0.381	0.763	21.8	2.4110	0.0000	SURCHARGED
360 minute summer	S30	208	0.380	0.787	99.8	2.0017	0.0000	SURCHARGED
360 minute summer	S31	208	0.339	0.675	7.7	2.2361	0.0000	SURCHARGED
360 minute summer	S32	208	0.339	0.718	11.6	2.2183	0.0000	SURCHARGED
360 minute summer	S33	208	0.339	0.762	108.8	1.9386	0.0000	SURCHARGED
360 minute summer	S34	208	0.290	0.729	111.5	1.2875	0.0000	SURCHARGED
360 minute summer	S35	208	0.212	0.678	111.8	1.1980	0.0000	SURCHARGED
360 minute summer	S36	208	0.186	0.628	2.9	1.1093	0.0000	SURCHARGED
360 minute summer	S37	208	0.186	0.657	121.9	3.2277	0.0000	SURCHARGED
360 minute summer	S38	208	0.040	0.556	121.6	0.9828	0.0000	SURCHARGED
360 minute summer	S39	216	-0.098	0.464	121.5	0.8197	0.0000	SURCHARGED
360 minute summer	S56	216	-0.123	0.436	0.8	0.7711	0.0000	OK
360 minute summer	S57	216	-0.123	0.442	121.4	1.1259	0.0000	OK
360 minute summer	S125	216	-0.172	0.383	1.4	0.6761	0.0000	OK
360 minute summer	S127	216	-0.172	0.407	121.0	1.0348	0.0000	OK
360 minute summer	S119	216	-0.231	0.338	1.0	0.5969	0.0000	OK
360 minute summer	S60	216	-0.231	0.362	120.9	0.9208	0.0000	OK
360 minute summer	Pond Inlet 1	216	-0.333	0.277	121.1	0.4903	0.0000	OK
360 minute summer	Pond Outlet	1560	-0.391	0.219	61.0	0.2474	0.0000	OK
360 minute summer	S13	1608	-0.391	0.247	0.2	0.8550	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	0.535	0.035	2.1	1.1224	0.0000	OK
360 minute summer	PP-S25	192	0.527	0.027	1.8	0.6791	0.0000	OK
360 minute summer	PP-S16	192	0.534	0.034	3.2	1.0756	0.0000	OK
360 minute summer	PP-S145	192	0.533	0.033	3.7	1.0618	0.0000	OK
360 minute summer	PP-S4	192	0.535	0.035	2.9	1.1236	0.0000	OK
360 minute summer	PP-S1	208	0.545	0.045	7.4	12.5711	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	14.7	0.173	0.211	6.8745	
360 minute summer	S79	9.003	S30	19.3	0.189	0.269	7.6907	
360 minute summer	S30	1.007	S33	99.6	0.628	1.399	5.0209	
360 minute summer	S31	10.000	S32	4.9	0.127	0.070	13.6740	
360 minute summer	S32	10.001	S33	7.8	0.168	0.109	13.6740	
360 minute summer	S33	1.008	S34	108.5	0.685	1.539	5.1108	
360 minute summer	S34	1.009	S35	111.3	0.703	1.568	8.5103	
360 minute summer	S35	1.010	S37	111.6	0.705	1.680	1.7947	
360 minute summer	S36	11.000	S37	2.1	-0.049	0.030	9.1184	
360 minute summer	S37	1.011	S38	121.6	0.767	1.720	14.3287	
360 minute summer	S38	1.012	S39	121.5	0.767	1.700	14.3287	
360 minute summer	S39	1.013	S57	121.4	0.767	1.916	1.1791	
360 minute summer	S56	12.011	S57	-0.8	-0.123	-0.012	2.0519	
360 minute summer	S57	1.014	S127	121.0	0.785	1.711	4.3314	
360 minute summer	S125	21.003	S127	-1.4	-0.134	-0.020	7.2596	
360 minute summer	S127	1.015	S60	120.9	0.842	1.697	3.9776	
360 minute summer	S119	22.003	S60	-1.0	-0.103	-0.015	6.5169	
360 minute summer	S60	1.016	Pond Inlet 1	121.1	1.007	1.599	3.5683	
360 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	61.0	0.019	0.001	1134.3562	
360 minute summer	Pond Outlet	1.018	S13	0.2	0.163	0.003	0.3972	
360 minute summer	S13	Pump	Final Outfall	0.0				0.0
360 minute summer	PP-S26	1.000_1	S26	1.9	0.508	0.051	0.0384	
360 minute summer	PP-S25	2.000_1	S25	1.7	0.644	0.030	0.0135	
360 minute summer	PP-S16	3.000_1	S16	3.1	0.854	0.046	0.0182	
360 minute summer	PP-S145	4.000_2	S145	3.6	1.046	0.043	0.0339	
360 minute summer	PP-S4	1.000_2	S4	2.8	0.736	0.049	0.0190	
360 minute summer	PP-S1	4.000_1	S1	5.5	0.988	0.082	0.0276	

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Results for 30 year 360 minute summer. 1800 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
360 minute summer	PP-S5	192	0.538	0.038	4.4	1.4794	0.0000	OK
360 minute summer	PP-S12	192	0.521	0.021	1.6	0.6131	0.0000	OK
360 minute summer	PP-S14	224	0.506	0.006	0.1	0.1552	0.0000	OK
360 minute summer	PP-S2	200	0.524	0.024	2.3	1.2938	0.0000	OK
360 minute summer	PP-S15	192	0.522	0.022	1.8	0.4733	0.0000	OK
360 minute summer	PP-S75	192	0.521	0.021	1.8	0.5254	0.0000	OK
360 minute summer	PP-S24	192	0.532	0.032	4.4	1.2814	0.0000	OK
360 minute summer	PP-S30	192	0.519	0.019	1.6	0.4481	0.0000	OK
360 minute summer	PP-S33	192	0.521	0.021	1.9	0.4236	0.0000	OK
360 minute summer	PP-S34	192	0.528	0.028	3.7	1.0554	0.0000	OK
360 minute summer	PP-S35	192	0.511	0.011	0.6	0.1638	0.0000	OK
360 minute summer	PP-S36	192	0.525	0.025	2.9	0.6468	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	4.3	0.997	0.058	0.0215	
360 minute summer	PP-S12	8.000_1	S12	1.5	0.857	0.017	0.0392	
360 minute summer	PP-S14	11.000_1	S14	0.1	0.351	0.001	0.0231	
360 minute summer	PP-S2	10.000_1	S2	2.1	0.944	0.023	0.0417	
360 minute summer	PP-S15	12.000_1	S15	1.8	0.916	0.019	0.0457	
360 minute summer	PP-S75	13.000_1	S75	1.8	0.946	0.018	0.0531	
360 minute summer	PP-S24	14.000_1	S92	4.3	1.260	0.042	0.0585	
360 minute summer	PP-S30	18.000_1	S30	1.6	0.994	0.014	0.0496	
360 minute summer	PP-S33	20.000_1	S33	1.9	1.068	0.017	0.0340	
360 minute summer	PP-S34	21.000_1	S34	3.6	1.326	0.031	0.0203	
360 minute summer	PP-S35	22.000_2	S35	0.6	0.797	0.005	0.0037	
360 minute summer	PP-S36	23.000_2	S36	2.9	1.242	0.024	0.0116	

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Results for 30 year 360 minute winter. 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 winter	S26	216	0.386	0.624	3.0	1.1035	0.0000	SURCHARGED
360 minute winter	S25	216	0.384	0.628	2.4	1.5979	0.0000	SURCHARGED
360 minute winter	S16	216	0.385	0.652	10.5	2.8889	0.0000	SURCHARGED
360 minute winter	S145	216	0.384	0.699	19.6	3.0084	0.0000	SURCHARGED
360 minute winter	S4	216	0.382	0.625	2.7	1.1050	0.0000	SURCHARGED
360 minute winter	S5	216	0.383	0.667	5.0	1.1779	0.0000	SURCHARGED
360 minute winter	S9	216	0.382	0.678	1.9	1.5630	0.0000	SURCHARGED
360 minute winter	S10	216	0.382	0.703	1.5	1.2428	0.0000	SURCHARGED
360 minute winter	S11	216	0.382	0.708	7.9	1.2515	0.0000	SURCHARGED
360 minute winter	S12	216	0.382	0.717	9.4	1.2671	0.0000	SURCHARGED
360 minute winter	S1	216	0.384	0.648	6.7	1.5269	0.0000	SURCHARGED
360 minute winter	S3	216	0.384	0.691	10.4	2.2085	0.0000	SURCHARGED
360 minute winter	S2	216	0.383	0.719	11.7	1.2696	0.0000	SURCHARGED
360 minute winter	S14	216	0.381	0.690	1.4	1.2200	0.0000	SURCHARGED
360 minute winter	S15	216	0.382	0.728	25.8	3.2764	0.0000	SURCHARGED
360 minute winter	S75	216	0.379	0.741	46.1	1.8869	0.0000	SURCHARGED
360 minute winter	S87	216	0.373	0.659	5.2	2.1376	0.0000	SURCHARGED
360 minute winter	S88	216	0.373	0.681	9.5	2.2203	0.0000	SURCHARGED
360 minute winter	S89	216	0.372	0.702	13.1	2.2767	0.0000	SURCHARGED
360 minute winter	S90	216	0.372	0.724	16.8	2.3051	0.0000	SURCHARGED
360 minute winter	S92	216	0.370	0.749	64.1	1.9071	0.0000	SURCHARGED
360 minute winter	S81	216	0.358	0.660	5.2	2.1304	0.0000	SURCHARGED
360 minute winter	S82	216	0.358	0.682	9.5	2.2135	0.0000	SURCHARGED
360 minute winter	S83	216	0.357	0.702	13.2	2.2670	0.0000	SURCHARGED
360 minute winter	S84	216	0.356	0.723	16.9	2.2949	0.0000	SURCHARGED
360 minute winter	S86	216	0.355	0.748	79.6	1.9038	0.0000	SURCHARGED
360 minute winter	S76	216	0.334	0.651	5.2	2.0939	0.0000	SURCHARGED
360 minute winter	S77	216	0.334	0.673	9.5	2.1764	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	2.0	0.044	0.028	9.2005	
360 minute winter	S25	2.000	S16	2.1	0.037	0.029	7.3393	
360 minute winter	S16	1.001	S145	11.7	0.147	0.164	15.0038	
360 minute winter	S145	1.002	S75	19.4	0.196	0.275	15.0038	
360 minute winter	S4	3.000	S5	2.8	0.091	0.040	13.1095	
360 minute winter	S5	3.001	S11	6.1	0.109	0.085	13.1095	
360 minute winter	S9	4.000	S10	1.5	0.119	0.021	8.0648	
360 minute winter	S10	4.001	S11	2.0	0.102	0.026	1.3780	
360 minute winter	S11	3.002	S12	8.8	0.074	0.125	2.8740	
360 minute winter	S12	3.003	S15	9.7	0.075	0.141	3.6838	
360 minute winter	S1	5.000	S3	6.3	0.107	0.089	13.5151	
360 minute winter	S3	5.001	S2	10.0	0.161	0.142	9.1848	
360 minute winter	S2	5.002	S15	11.7	0.122	0.171	3.4165	
360 minute winter	S14	6.000	S15	-1.3	-0.073	-0.018	11.8707	
360 minute winter	S15	3.004	S75	26.2	0.165	0.366	4.9661	
360 minute winter	S75	1.003	S92	46.3	0.292	0.650	5.3380	
360 minute winter	S87	7.000	S88	4.2	0.119	0.058	6.8747	
360 minute winter	S88	7.001	S89	8.0	0.160	0.113	6.8747	
360 minute winter	S89	7.002	S90	12.0	0.188	0.168	6.8747	
360 minute winter	S90	7.003	S92	15.9	0.202	0.226	8.6413	
360 minute winter	S92	1.005	S86	64.2	0.405	0.904	4.4095	
360 minute winter	S81	8.000	S82	4.2	0.117	0.059	6.8747	
360 minute winter	S82	8.001	S83	8.0	0.158	0.114	6.8747	
360 minute winter	S83	8.002	S84	12.0	0.186	0.168	6.8747	
360 minute winter	S84	8.003	S86	16.0	0.211	0.225	8.1975	
360 minute winter	S86	1.006	S30	79.5	0.502	1.119	4.4165	
360 minute winter	S76	9.000	S77	4.2	0.119	0.059	6.8747	
360 minute winter	S77	9.001	S78	8.0	0.158	0.113	6.8747	

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Results for 30 year 360 minute winter. 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 winter	S78	216	0.334	0.695	13.3	2.2329	0.0000	SURCHARGED
360 minute winter	S79	216	0.333	0.715	17.1	2.2585	0.0000	SURCHARGED
360 minute winter	S30	216	0.331	0.738	96.1	1.8794	0.0000	SURCHARGED
360 minute winter	S31	216	0.295	0.631	5.6	2.0885	0.0000	SURCHARGED
360 minute winter	S32	216	0.294	0.673	9.0	2.0792	0.0000	SURCHARGED
360 minute winter	S33	216	0.294	0.717	105.1	1.8239	0.0000	SURCHARGED
360 minute winter	S34	216	0.248	0.687	107.5	1.2137	0.0000	SURCHARGED
360 minute winter	S35	216	0.176	0.642	107.8	1.1341	0.0000	SURCHARGED
360 minute winter	S36	216	0.151	0.593	2.2	1.0483	0.0000	SURCHARGED
360 minute winter	S37	216	0.151	0.622	117.1	3.0590	0.0000	SURCHARGED
360 minute winter	S38	216	0.017	0.533	116.9	0.9416	0.0000	SURCHARGED
360 minute winter	S39	224	-0.111	0.451	116.9	0.7964	0.0000	SURCHARGED
360 minute winter	S56	224	-0.134	0.425	0.3	0.7510	0.0000	OK
360 minute winter	S57	224	-0.134	0.431	116.8	1.0969	0.0000	OK
360 minute winter	S125	224	-0.181	0.374	0.6	0.6605	0.0000	OK
360 minute winter	S127	224	-0.181	0.398	116.6	1.0124	0.0000	OK
360 minute winter	S119	224	-0.238	0.331	1.4	0.5856	0.0000	OK
360 minute winter	S60	224	-0.238	0.355	116.4	0.9045	0.0000	OK
360 minute winter	Pond Inlet 1	224	-0.334	0.276	116.5	0.4877	0.0000	OK
360 minute winter	Pond Outlet	1664	-0.367	0.243	58.4	0.2750	0.0000	OK
360 minute winter	S13	1568	-0.367	0.271	0.2	0.9394	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	192	0.531	0.031	1.6	0.8991	0.0000	OK
360 minute winter	PP-S25	192	0.525	0.025	1.4	0.5462	0.0000	OK
360 minute winter	PP-S16	192	0.530	0.030	2.5	0.8631	0.0000	OK
360 minute winter	PP-S145	192	0.529	0.029	2.9	0.8493	0.0000	OK
360 minute winter	PP-S4	192	0.531	0.031	2.3	0.9167	0.0000	OK
360 minute winter	PP-S1	208	0.543	0.043	5.7	11.7627	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	12.2	0.181	0.175	6.8745	
360 minute winter	S79	9.003	S30	16.2	0.209	0.226	7.6907	
360 minute winter	S30	1.007	S33	96.0	0.606	1.349	5.0209	
360 minute winter	S31	10.000	S32	4.3	0.128	0.061	13.6740	
360 minute winter	S32	10.001	S33	8.1	0.155	0.113	13.6740	
360 minute winter	S33	1.008	S34	105.0	0.663	1.488	5.1108	
360 minute winter	S34	1.009	S35	107.4	0.678	1.513	8.5103	
360 minute winter	S35	1.010	S37	107.8	0.680	1.622	1.7947	
360 minute winter	S36	11.000	S37	1.9	0.042	0.027	9.1184	
360 minute winter	S37	1.011	S38	116.9	0.738	1.655	14.3287	
360 minute winter	S38	1.012	S39	116.9	0.738	1.636	14.3240	
360 minute winter	S39	1.013	S57	116.8	0.742	1.844	1.1725	
360 minute winter	S56	12.011	S57	-0.3	-0.084	-0.005	2.0278	
360 minute winter	S57	1.014	S127	116.6	0.766	1.648	4.2736	
360 minute winter	S125	21.003	S127	-0.6	-0.127	-0.009	7.1276	
360 minute winter	S127	1.015	S60	116.4	0.825	1.634	3.9119	
360 minute winter	S119	22.003	S60	-1.4	-0.105	-0.020	6.3986	
360 minute winter	S60	1.016	Pond Inlet 1	116.5	0.985	1.539	3.5244	
360 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	58.4	0.021	0.001	1267.0510	
360 minute winter	Pond Outlet	1.018	S13	0.2	0.173	0.003	0.4349	
360 minute winter	S13	Pump	Final Outfall	0.0				0.0
360 minute winter	PP-S26	1.000_1	S26	1.5	0.474	0.040	0.0327	
360 minute winter	PP-S25	2.000_1	S25	1.4	0.601	0.024	0.0115	
360 minute winter	PP-S16	3.000_1	S16	2.5	0.800	0.037	0.0155	
360 minute winter	PP-S145	4.000_2	S145	2.9	0.978	0.034	0.0148	
360 minute winter	PP-S4	1.000_2	S4	2.3	0.692	0.040	0.0164	
360 minute winter	PP-S1	4.000_1	S1	4.9	0.960	0.074	0.0257	

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Results for 30 year 360 minute winter. 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 winter	PP-S5	192	0.534	0.034	3.4	1.1687	0.0000	OK
360 minute winter	PP-S12	200	0.518	0.018	1.2	0.4838	0.0000	OK
360 minute winter	PP-S14	232	0.506	0.006	0.1	0.1586	0.0000	OK
360 minute winter	PP-S2	192	0.522	0.022	1.8	1.0660	0.0000	OK
360 minute winter	PP-S15	192	0.519	0.019	1.4	0.3770	0.0000	OK
360 minute winter	PP-S75	192	0.519	0.019	1.4	0.4189	0.0000	OK
360 minute winter	PP-S24	192	0.529	0.029	3.4	1.0111	0.0000	OK
360 minute winter	PP-S30	192	0.517	0.017	1.3	0.3710	0.0000	OK
360 minute winter	PP-S33	192	0.518	0.018	1.5	0.3408	0.0000	OK
360 minute winter	PP-S34	192	0.525	0.025	2.9	0.8479	0.0000	OK
360 minute winter	PP-S35	216	0.510	0.010	0.4	0.1160	0.0000	OK
360 minute winter	PP-S36	192	0.522	0.022	2.2	0.4998	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	3.4	0.932	0.045	0.0181	
360 minute winter	PP-S12	8.000_1	S12	1.2	0.795	0.013	0.0129	
360 minute winter	PP-S14	11.000_1	S14	0.1	0.354	0.001	0.0016	
360 minute winter	PP-S2	10.000_1	S2	1.7	0.891	0.019	0.0146	
360 minute winter	PP-S15	12.000_1	S15	1.4	0.853	0.015	0.0177	
360 minute winter	PP-S75	13.000_1	S75	1.4	0.880	0.014	0.0239	
360 minute winter	PP-S24	14.000_1	S92	3.4	1.173	0.033	0.0293	
360 minute winter	PP-S30	18.000_1	S30	1.3	0.934	0.012	0.0234	
360 minute winter	PP-S33	20.000_1	S33	1.5	0.995	0.013	0.0122	
360 minute winter	PP-S34	21.000_1	S34	2.9	1.239	0.024	0.0117	
360 minute winter	PP-S35	22.000_2	S35	0.4	0.715	0.003	0.0028	
360 minute winter	PP-S36	23.000_2	S36	2.2	1.148	0.018	0.0096	

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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	280	0.174	0.412	1.6	0.7285	0.0000	OK
480 minute summer	S25	280	0.174	0.418	1.4	1.0646	0.0000	OK
480 minute summer	S16	280	0.174	0.441	9.8	1.9563	0.0000	OK
480 minute summer	S145	280	0.173	0.488	17.9	2.1022	0.0000	SURCHARGED
480 minute summer	S4	280	0.173	0.416	2.4	0.7352	0.0000	OK
480 minute summer	S5	280	0.173	0.457	4.4	0.8074	0.0000	SURCHARGED
480 minute summer	S9	280	0.173	0.469	2.0	1.0797	0.0000	SURCHARGED
480 minute summer	S10	280	0.173	0.494	1.3	0.8723	0.0000	SURCHARGED
480 minute summer	S11	280	0.173	0.499	7.5	0.8811	0.0000	SURCHARGED
480 minute summer	S12	280	0.173	0.508	9.1	0.8969	0.0000	SURCHARGED
480 minute summer	S1	280	0.173	0.437	6.4	1.0299	0.0000	OK
480 minute summer	S3	280	0.173	0.480	9.6	1.5357	0.0000	SURCHARGED
480 minute summer	S2	280	0.173	0.509	10.3	0.8989	0.0000	SURCHARGED
480 minute summer	S14	280	0.172	0.481	1.6	0.8507	0.0000	SURCHARGED
480 minute summer	S15	280	0.172	0.518	23.8	2.3334	0.0000	SURCHARGED
480 minute summer	S75	280	0.170	0.532	41.7	1.3547	0.0000	SURCHARGED
480 minute summer	S87	280	0.165	0.451	5.5	1.4624	0.0000	SURCHARGED
480 minute summer	S88	280	0.165	0.473	10.1	1.5417	0.0000	SURCHARGED
480 minute summer	S89	280	0.165	0.495	13.8	1.6031	0.0000	SURCHARGED
480 minute summer	S90	280	0.164	0.516	17.4	1.6442	0.0000	SURCHARGED
480 minute summer	S92	280	0.163	0.542	55.0	1.3802	0.0000	SURCHARGED
480 minute summer	S81	280	0.153	0.455	5.5	1.4707	0.0000	SURCHARGED
480 minute summer	S82	280	0.153	0.477	10.1	1.5502	0.0000	SURCHARGED
480 minute summer	S83	280	0.153	0.498	13.8	1.6084	0.0000	SURCHARGED
480 minute summer	S84	280	0.153	0.520	17.6	1.6490	0.0000	SURCHARGED
480 minute summer	S86	280	0.152	0.545	67.5	1.3870	0.0000	SURCHARGED
480 minute summer	S76	280	0.136	0.453	5.5	1.4579	0.0000	SURCHARGED
480 minute summer	S77	280	0.136	0.475	10.1	1.5370	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	1.7	0.047	0.025	8.9960	
480 minute summer	S25	2.000	S16	1.5	0.046	0.021	7.2094	
480 minute summer	S16	1.001	S145	10.0	0.138	0.141	14.9684	
480 minute summer	S145	1.002	S75	17.2	0.171	0.244	15.0038	
480 minute summer	S4	3.000	S5	2.3	0.081	0.033	12.8880	
480 minute summer	S5	3.001	S11	5.7	0.108	0.080	13.1095	
480 minute summer	S9	4.000	S10	1.3	0.112	0.019	8.0648	
480 minute summer	S10	4.001	S11	2.0	0.113	0.026	1.3780	
480 minute summer	S11	3.002	S12	8.5	0.071	0.121	2.8740	
480 minute summer	S12	3.003	S15	9.5	0.072	0.138	3.6838	
480 minute summer	S1	5.000	S3	6.0	0.100	0.084	13.4627	
480 minute summer	S3	5.001	S2	9.1	0.141	0.128	9.1848	
480 minute summer	S2	5.002	S15	10.3	0.104	0.152	3.4165	
480 minute summer	S14	6.000	S15	-1.5	-0.047	-0.022	11.8707	
480 minute summer	S15	3.004	S75	25.0	0.160	0.349	4.9661	
480 minute summer	S75	1.003	S92	41.8	0.264	0.588	5.3380	
480 minute summer	S87	7.000	S88	4.4	0.117	0.061	6.8725	
480 minute summer	S88	7.001	S89	8.1	0.145	0.113	6.8747	
480 minute summer	S89	7.002	S90	11.9	0.165	0.167	6.8747	
480 minute summer	S90	7.003	S92	15.4	0.193	0.219	8.6413	
480 minute summer	S92	1.005	S86	55.2	0.348	0.777	4.4095	
480 minute summer	S81	8.000	S82	4.4	0.116	0.061	6.8747	
480 minute summer	S82	8.001	S83	8.1	0.144	0.117	6.8747	
480 minute summer	S83	8.002	S84	12.1	0.160	0.169	6.8747	
480 minute summer	S84	8.003	S86	15.8	0.199	0.223	8.1975	
480 minute summer	S86	1.006	S30	67.6	0.427	0.952	4.4165	
480 minute summer	S76	9.000	S77	4.4	0.117	0.062	6.8738	
480 minute summer	S77	9.001	S78	8.3	0.144	0.116	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	280	0.136	0.497	14.0	1.5980	0.0000	SURCHARGED
480 minute summer	S79	280	0.136	0.518	17.8	1.6357	0.0000	SURCHARGED
480 minute summer	S30	280	0.135	0.542	81.0	1.3793	0.0000	SURCHARGED
480 minute summer	S31	280	0.109	0.445	6.0	1.4724	0.0000	OK
480 minute summer	S32	280	0.108	0.487	9.4	1.5053	0.0000	SURCHARGED
480 minute summer	S33	280	0.108	0.531	88.5	1.3516	0.0000	SURCHARGED
480 minute summer	S34	280	0.076	0.515	90.6	0.9093	0.0000	SURCHARGED
480 minute summer	S35	280	0.025	0.491	90.9	0.8669	0.0000	SURCHARGED
480 minute summer	S36	280	0.007	0.449	2.3	0.7939	0.0000	OK
480 minute summer	S37	280	0.007	0.478	98.6	2.3511	0.0000	SURCHARGED
480 minute summer	S38	280	-0.082	0.434	98.5	0.7663	0.0000	OK
480 minute summer	S39	280	-0.163	0.399	98.6	0.7048	0.0000	OK
480 minute summer	S56	280	-0.182	0.377	0.3	0.6658	0.0000	OK
480 minute summer	S57	280	-0.182	0.383	98.6	0.9742	0.0000	OK
480 minute summer	S125	280	-0.223	0.332	0.7	0.5874	0.0000	OK
480 minute summer	S127	280	-0.223	0.356	98.6	0.9071	0.0000	OK
480 minute summer	S119	280	-0.273	0.296	0.9	0.5226	0.0000	OK
480 minute summer	S60	280	-0.273	0.320	98.5	0.8138	0.0000	OK
480 minute summer	Pond Inlet 1	288	-0.362	0.248	98.3	0.4382	0.0000	OK
480 minute summer	Pond Outlet	1376	-0.379	0.231	49.3	0.2616	0.0000	OK
480 minute summer	S13	1912	-0.379	0.259	0.2	0.8985	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	0.532	0.032	1.7	0.9256	0.0000	OK
480 minute summer	PP-S25	256	0.525	0.025	1.5	0.5645	0.0000	OK
480 minute summer	PP-S16	256	0.531	0.031	2.7	0.8927	0.0000	OK
480 minute summer	PP-S145	256	0.530	0.030	3.1	0.8733	0.0000	OK
480 minute summer	PP-S4	256	0.532	0.032	2.5	0.9517	0.0000	OK
480 minute summer	PP-S1	264	0.542	0.042	6.2	11.4069	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	12.3	0.155	0.176	6.8745	
480 minute summer	S79	9.003	S30	16.2	0.191	0.225	7.6907	
480 minute summer	S30	1.007	S33	81.1	0.512	1.139	5.0209	
480 minute summer	S31	10.000	S32	4.2	0.115	0.059	13.6597	
480 minute summer	S32	10.001	S33	6.6	0.153	0.092	13.6740	
480 minute summer	S33	1.008	S34	88.5	0.559	1.255	5.1108	
480 minute summer	S34	1.009	S35	90.6	0.572	1.276	8.5103	
480 minute summer	S35	1.010	S37	91.0	0.574	1.369	1.7947	
480 minute summer	S36	11.000	S37	1.8	0.038	0.025	9.1146	
480 minute summer	S37	1.011	S38	98.5	0.622	1.394	14.2477	
480 minute summer	S38	1.012	S39	98.6	0.644	1.380	13.8006	
480 minute summer	S39	1.013	S57	98.6	0.674	1.556	1.0895	
480 minute summer	S56	12.011	S57	-0.3	-0.113	-0.004	1.8597	
480 minute summer	S57	1.014	S127	98.6	0.708	1.394	3.9075	
480 minute summer	S125	21.003	S127	-0.7	-0.102	-0.009	6.4175	
480 minute summer	S127	1.015	S60	98.5	0.771	1.382	3.5323	
480 minute summer	S119	22.003	S60	-0.9	-0.109	-0.014	5.6951	
480 minute summer	S60	1.016	Pond Inlet 1	98.3	0.937	1.298	3.1289	
480 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	49.3	0.017	0.001	1202.7460	
480 minute summer	Pond Outlet	1.018	S13	0.2	0.157	0.003	0.4175	
480 minute summer	S13	Pump	Final Outfall	0.0				0.0
480 minute summer	PP-S26	1.000_1	S26	1.6	0.479	0.042	0.0334	
480 minute summer	PP-S25	2.000_1	S25	1.4	0.608	0.025	0.0118	
480 minute summer	PP-S16	3.000_1	S16	2.6	0.808	0.038	0.0159	
480 minute summer	PP-S145	4.000_2	S145	3.0	0.986	0.035	0.0151	
480 minute summer	PP-S4	1.000_2	S4	2.4	0.700	0.041	0.0169	
480 minute summer	PP-S1	4.000_1	S1	4.7	0.947	0.071	0.0249	

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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	256	0.534	0.034	3.6	1.2015	0.0000	OK
480 minute summer	PP-S12	256	0.519	0.019	1.3	0.4972	0.0000	OK
480 minute summer	PP-S14	280	0.506	0.006	0.1	0.1536	0.0000	OK
480 minute summer	PP-S2	256	0.522	0.022	1.9	1.0914	0.0000	OK
480 minute summer	PP-S15	248	0.520	0.020	1.5	0.3886	0.0000	OK
480 minute summer	PP-S75	256	0.519	0.019	1.5	0.4323	0.0000	OK
480 minute summer	PP-S24	256	0.529	0.029	3.6	1.0376	0.0000	OK
480 minute summer	PP-S30	248	0.518	0.018	1.4	0.3831	0.0000	OK
480 minute summer	PP-S33	248	0.519	0.019	1.6	0.3525	0.0000	OK
480 minute summer	PP-S34	256	0.525	0.025	3.1	0.8706	0.0000	OK
480 minute summer	PP-S35	248	0.510	0.010	0.5	0.1296	0.0000	OK
480 minute summer	PP-S36	248	0.522	0.022	2.4	0.5243	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	3.5	0.940	0.047	0.0184	
480 minute summer	PP-S12	8.000_1	S12	1.2	0.802	0.014	0.0077	
480 minute summer	PP-S14	11.000_1	S14	0.1	0.350	0.001	0.0013	
480 minute summer	PP-S2	10.000_1	S2	1.8	0.897	0.020	0.0100	
480 minute summer	PP-S15	12.000_1	S15	1.4	0.862	0.015	0.0083	
480 minute summer	PP-S75	13.000_1	S75	1.4	0.890	0.015	0.0081	
480 minute summer	PP-S24	14.000_1	S92	3.5	1.183	0.034	0.0147	
480 minute summer	PP-S30	18.000_1	S30	1.3	0.944	0.012	0.0071	
480 minute summer	PP-S33	20.000_1	S33	1.6	1.006	0.014	0.0077	
480 minute summer	PP-S34	21.000_1	S34	3.0	1.249	0.025	0.0119	
480 minute summer	PP-S35	22.000_2	S35	0.5	0.739	0.004	0.0031	
480 minute summer	PP-S36	23.000_2	S36	2.3	1.164	0.019	0.0099	

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Results for 30 year 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	288	0.103	0.341	1.3	0.6020	0.0000	OK
480 minute winter	S25	288	0.103	0.347	1.1	0.8824	0.0000	OK
480 minute winter	S16	288	0.103	0.370	8.3	1.6392	0.0000	OK
480 minute winter	S145	288	0.102	0.417	15.7	1.7963	0.0000	OK
480 minute winter	S4	288	0.102	0.345	1.8	0.6098	0.0000	OK
480 minute winter	S5	288	0.102	0.386	3.7	0.6822	0.0000	OK
480 minute winter	S9	288	0.102	0.398	1.5	0.9169	0.0000	OK
480 minute winter	S10	288	0.102	0.423	1.2	0.7473	0.0000	OK
480 minute winter	S11	288	0.102	0.428	6.2	0.7562	0.0000	OK
480 minute winter	S12	288	0.102	0.437	7.5	0.7719	0.0000	OK
480 minute winter	S1	288	0.103	0.367	5.6	0.8633	0.0000	OK
480 minute winter	S3	288	0.102	0.409	8.6	1.3092	0.0000	OK
480 minute winter	S2	288	0.102	0.438	9.3	0.7740	0.0000	OK
480 minute winter	S14	288	0.102	0.411	0.9	0.7259	0.0000	OK
480 minute winter	S15	288	0.102	0.448	21.5	2.0154	0.0000	OK
480 minute winter	S75	288	0.100	0.462	37.9	1.1763	0.0000	SURCHARGED
480 minute winter	S87	288	0.096	0.382	4.1	1.2404	0.0000	OK
480 minute winter	S88	288	0.096	0.404	7.7	1.3186	0.0000	OK
480 minute winter	S89	288	0.096	0.426	10.9	1.3813	0.0000	OK
480 minute winter	S90	288	0.096	0.448	14.1	1.4263	0.0000	OK
480 minute winter	S92	288	0.095	0.474	51.3	1.2062	0.0000	SURCHARGED
480 minute winter	S81	288	0.087	0.389	4.1	1.2568	0.0000	OK
480 minute winter	S82	288	0.087	0.411	7.7	1.3351	0.0000	OK
480 minute winter	S83	288	0.087	0.432	11.0	1.3946	0.0000	OK
480 minute winter	S84	288	0.087	0.454	14.2	1.4390	0.0000	SURCHARGED
480 minute winter	S86	288	0.086	0.479	63.0	1.2185	0.0000	SURCHARGED
480 minute winter	S76	288	0.073	0.390	4.1	1.2536	0.0000	OK
480 minute winter	S77	288	0.073	0.412	7.8	1.3316	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	1.3	0.041	0.019	7.7845	
480 minute winter	S25	2.000	S16	1.1	0.040	0.016	6.2631	
480 minute winter	S16	1.001	S145	8.1	0.143	0.114	13.8574	
480 minute winter	S145	1.002	S75	15.2	0.174	0.216	14.7616	
480 minute winter	S4	3.000	S5	1.8	0.079	0.025	11.3853	
480 minute winter	S5	3.001	S11	4.6	0.111	0.064	12.4263	
480 minute winter	S9	4.000	S10	1.2	0.110	0.018	7.7092	
480 minute winter	S10	4.001	S11	1.7	0.110	0.022	1.3491	
480 minute winter	S11	3.002	S12	7.0	0.071	0.099	2.8368	
480 minute winter	S12	3.003	S15	7.8	0.071	0.114	3.6670	
480 minute winter	S1	5.000	S3	5.2	0.103	0.073	12.3557	
480 minute winter	S3	5.001	S2	8.2	0.145	0.116	8.9479	
480 minute winter	S2	5.002	S15	9.5	0.097	0.139	3.4024	
480 minute winter	S14	6.000	S15	-0.8	-0.058	-0.011	11.6143	
480 minute winter	S15	3.004	S75	22.3	0.151	0.311	4.9635	
480 minute winter	S75	1.003	S92	38.4	0.246	0.539	5.3380	
480 minute winter	S87	7.000	S88	3.5	0.114	0.049	6.3707	
480 minute winter	S88	7.001	S89	6.7	0.151	0.094	6.6257	
480 minute winter	S89	7.002	S90	10.0	0.173	0.140	6.8032	
480 minute winter	S90	7.003	S92	13.2	0.190	0.187	8.6368	
480 minute winter	S92	1.005	S86	51.5	0.325	0.725	4.4095	
480 minute winter	S81	8.000	S82	3.5	0.112	0.050	6.4556	
480 minute winter	S82	8.001	S83	6.8	0.149	0.098	6.6869	
480 minute winter	S83	8.002	S84	10.1	0.162	0.142	6.8288	
480 minute winter	S84	8.003	S86	13.4	0.184	0.189	8.1966	
480 minute winter	S86	1.006	S30	63.1	0.398	0.888	4.4165	
480 minute winter	S76	9.000	S77	3.6	0.114	0.050	6.4640	
480 minute winter	S77	9.001	S78	6.9	0.148	0.096	6.6973	

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Results for 30 year 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	0.073	0.434	11.1	1.3940	0.0000	OK
480 minute winter	S79	288	0.072	0.454	14.3	1.4353	0.0000	SURCHARGED
480 minute winter	S30	288	0.072	0.479	75.8	1.2179	0.0000	SURCHARGED
480 minute winter	S31	288	0.049	0.385	4.4	1.2752	0.0000	OK
480 minute winter	S32	288	0.049	0.428	7.4	1.3215	0.0000	OK
480 minute winter	S33	288	0.049	0.472	83.0	1.2003	0.0000	SURCHARGED
480 minute winter	S34	288	0.021	0.460	84.9	0.8130	0.0000	SURCHARGED
480 minute winter	S35	288	-0.020	0.446	85.2	0.7872	0.0000	OK
480 minute winter	S36	288	-0.035	0.407	1.8	0.7196	0.0000	OK
480 minute winter	S37	288	-0.035	0.436	92.5	2.1444	0.0000	OK
480 minute winter	S38	288	-0.105	0.411	92.4	0.7263	0.0000	OK
480 minute winter	S39	296	-0.179	0.383	92.4	0.6772	0.0000	OK
480 minute winter	S56	296	-0.197	0.362	0.7	0.6404	0.0000	OK
480 minute winter	S57	296	-0.197	0.368	92.4	0.9377	0.0000	OK
480 minute winter	S125	296	-0.234	0.321	1.2	0.5668	0.0000	OK
480 minute winter	S127	296	-0.234	0.345	92.3	0.8775	0.0000	OK
480 minute winter	S119	296	-0.281	0.288	0.7	0.5083	0.0000	OK
480 minute winter	S60	296	-0.281	0.312	92.2	0.7931	0.0000	OK
480 minute winter	Pond Inlet 1	1352	-0.353	0.257	92.1	0.4542	0.0000	OK
480 minute winter	Pond Outlet	1832	-0.353	0.257	46.1	0.2906	0.0000	OK
480 minute winter	S13	1064	-0.353	0.285	0.2	0.9875	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	256	0.528	0.028	1.3	0.7523	0.0000	OK
480 minute winter	PP-S25	264	0.522	0.022	1.1	0.4392	0.0000	OK
480 minute winter	PP-S16	256	0.527	0.027	2.0	0.7018	0.0000	OK
480 minute winter	PP-S145	256	0.526	0.026	2.3	0.6849	0.0000	OK
480 minute winter	PP-S4	256	0.528	0.028	1.8	0.7319	0.0000	OK
480 minute winter	PP-S1	272	0.539	0.039	4.6	10.4199	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	10.2	0.164	0.147	6.8355	
480 minute winter	S79	9.003	S30	13.6	0.173	0.189	7.6901	
480 minute winter	S30	1.007	S33	75.8	0.478	1.065	5.0209	
480 minute winter	S31	10.000	S32	3.5	0.120	0.050	12.9471	
480 minute winter	S32	10.001	S33	6.3	0.143	0.088	13.5525	
480 minute winter	S33	1.008	S34	83.0	0.524	1.177	5.1108	
480 minute winter	S34	1.009	S35	84.9	0.536	1.196	8.5045	
480 minute winter	S35	1.010	S37	85.2	0.541	1.282	1.7857	
480 minute winter	S36	11.000	S37	1.5	-0.058	0.021	8.8611	
480 minute winter	S37	1.011	S38	92.4	0.598	1.308	13.9681	
480 minute winter	S38	1.012	S39	92.4	0.624	1.293	13.3669	
480 minute winter	S39	1.013	S57	92.4	0.653	1.458	1.0541	
480 minute winter	S56	12.011	S57	-0.7	-0.159	-0.011	1.7965	
480 minute winter	S57	1.014	S127	92.3	0.686	1.305	3.7798	
480 minute winter	S125	21.003	S127	-1.2	-0.142	-0.017	6.1957	
480 minute winter	S127	1.015	S60	92.2	0.747	1.294	3.4262	
480 minute winter	S119	22.003	S60	-0.7	-0.066	-0.010	5.5273	
480 minute winter	S60	1.016	Pond Inlet 1	92.1	0.907	1.216	3.0863	
480 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	46.1	0.018	0.001	1342.5232	
480 minute winter	Pond Outlet	1.018	S13	0.2	0.162	0.003	0.4526	
480 minute winter	S13	Pump	Final Outfall	0.0				0.0
480 minute winter	PP-S26	1.000_1	S26	1.3	0.448	0.033	0.0286	
480 minute winter	PP-S25	2.000_1	S25	1.1	0.563	0.019	0.0098	
480 minute winter	PP-S16	3.000_1	S16	2.0	0.750	0.030	0.0133	
480 minute winter	PP-S145	4.000_2	S145	2.3	0.914	0.027	0.0126	
480 minute winter	PP-S4	1.000_2	S4	1.8	0.646	0.031	0.0139	
480 minute winter	PP-S1	4.000_1	S1	4.1	0.912	0.062	0.0226	

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Results for 30 year 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	256	0.530	0.030	2.7	0.9452	0.0000	OK
480 minute winter	PP-S12	256	0.517	0.017	1.0	0.4074	0.0000	OK
480 minute winter	PP-S14	296	0.506	0.006	0.1	0.1599	0.0000	OK
480 minute winter	PP-S2	264	0.520	0.020	1.4	0.8648	0.0000	OK
480 minute winter	PP-S15	264	0.517	0.017	1.1	0.3026	0.0000	OK
480 minute winter	PP-S75	256	0.517	0.017	1.1	0.3369	0.0000	OK
480 minute winter	PP-S24	256	0.526	0.026	2.7	0.8187	0.0000	OK
480 minute winter	PP-S30	264	0.515	0.015	1.0	0.2951	0.0000	OK
480 minute winter	PP-S33	256	0.517	0.017	1.2	0.2787	0.0000	OK
480 minute winter	PP-S34	256	0.522	0.022	2.3	0.6810	0.0000	OK
480 minute winter	PP-S35	248	0.509	0.009	0.4	0.1038	0.0000	OK
480 minute winter	PP-S36	256	0.520	0.020	1.8	0.4163	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	2.7	0.875	0.036	0.0154	
480 minute winter	PP-S12	8.000_1	S12	1.0	0.750	0.011	0.0066	
480 minute winter	PP-S14	11.000_1	S14	0.1	0.355	0.001	0.0014	
480 minute winter	PP-S2	10.000_1	S2	1.4	0.836	0.015	0.0083	
480 minute winter	PP-S15	12.000_1	S15	1.1	0.793	0.012	0.0069	
480 minute winter	PP-S75	13.000_1	S75	1.1	0.818	0.011	0.0067	
480 minute winter	PP-S24	14.000_1	S92	2.7	1.098	0.026	0.0123	
480 minute winter	PP-S30	18.000_1	S30	1.0	0.864	0.009	0.0058	
480 minute winter	PP-S33	20.000_1	S33	1.2	0.930	0.011	0.0065	
480 minute winter	PP-S34	21.000_1	S34	2.3	1.158	0.019	0.0099	
480 minute winter	PP-S35	22.000_2	S35	0.4	0.690	0.003	0.0026	
480 minute winter	PP-S36	23.000_2	S36	1.8	1.084	0.015	0.0083	

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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	345	0.073	0.311	1.4	0.5488	0.0000	OK
600 minute summer	S25	345	0.073	0.317	1.2	0.8056	0.0000	OK
600 minute summer	S16	345	0.073	0.340	8.8	1.5055	0.0000	OK
600 minute summer	S145	345	0.072	0.387	16.2	1.6663	0.0000	OK
600 minute summer	S4	345	0.072	0.315	2.0	0.5568	0.0000	OK
600 minute summer	S5	345	0.072	0.356	3.7	0.6292	0.0000	OK
600 minute summer	S9	345	0.072	0.368	1.6	0.8477	0.0000	OK
600 minute summer	S10	345	0.072	0.393	1.1	0.6943	0.0000	OK
600 minute summer	S11	345	0.072	0.398	5.8	0.7031	0.0000	OK
600 minute summer	S12	345	0.072	0.407	7.1	0.7188	0.0000	OK
600 minute summer	S1	345	0.073	0.337	5.7	0.7925	0.0000	OK
600 minute summer	S3	345	0.072	0.379	8.8	1.2130	0.0000	OK
600 minute summer	S2	345	0.072	0.408	9.2	0.7208	0.0000	OK
600 minute summer	S14	345	0.072	0.381	1.2	0.6727	0.0000	OK
600 minute summer	S15	345	0.072	0.418	20.5	1.8800	0.0000	OK
600 minute summer	S75	345	0.070	0.432	35.9	1.1001	0.0000	OK
600 minute summer	S87	345	0.067	0.353	4.5	1.1448	0.0000	OK
600 minute summer	S88	345	0.067	0.375	8.3	1.2224	0.0000	OK
600 minute summer	S89	345	0.067	0.397	11.7	1.2857	0.0000	OK
600 minute summer	S90	345	0.066	0.418	15.0	1.3325	0.0000	OK
600 minute summer	S92	345	0.066	0.445	49.2	1.1317	0.0000	OK
600 minute summer	S81	345	0.059	0.361	4.5	1.1648	0.0000	OK
600 minute summer	S82	345	0.059	0.383	8.4	1.2426	0.0000	OK
600 minute summer	S83	345	0.059	0.404	11.7	1.3027	0.0000	OK
600 minute summer	S84	345	0.058	0.425	15.1	1.3488	0.0000	OK
600 minute summer	S86	345	0.058	0.451	61.0	1.1466	0.0000	SURCHARGED
600 minute summer	S76	345	0.046	0.363	4.5	1.1665	0.0000	OK
600 minute summer	S77	345	0.046	0.385	8.4	1.2441	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	1.2	0.047	0.017	7.1139	
600 minute summer	S25	2.000	S16	1.0	0.036	0.015	5.7322	
600 minute summer	S16	1.001	S145	7.6	0.125	0.107	12.9422	
600 minute summer	S145	1.002	S75	14.2	0.160	0.201	14.2717	
600 minute summer	S4	3.000	S5	1.7	0.073	0.024	10.4715	
600 minute summer	S5	3.001	S11	4.2	0.118	0.060	11.7007	
600 minute summer	S9	4.000	S10	1.1	0.102	0.016	7.2676	
600 minute summer	S10	4.001	S11	1.6	0.071	0.021	1.2833	
600 minute summer	S11	3.002	S12	6.7	0.067	0.094	2.7122	
600 minute summer	S12	3.003	S15	7.5	0.064	0.108	3.5364	
600 minute summer	S1	5.000	S3	5.1	0.101	0.071	11.5038	
600 minute summer	S3	5.001	S2	8.0	0.131	0.113	8.5100	
600 minute summer	S2	5.002	S15	9.2	0.082	0.136	3.2828	
600 minute summer	S14	6.000	S15	-1.1	-0.039	-0.016	11.1056	
600 minute summer	S15	3.004	S75	21.2	0.149	0.296	4.8558	
600 minute summer	S75	1.003	S92	36.5	0.240	0.514	5.2982	
600 minute summer	S87	7.000	S88	3.7	0.101	0.053	5.9546	
600 minute summer	S88	7.001	S89	7.1	0.135	0.099	6.2711	
600 minute summer	S89	7.002	S90	10.5	0.147	0.147	6.5421	
600 minute summer	S90	7.003	S92	13.7	0.166	0.195	8.5006	
600 minute summer	S92	1.005	S86	49.6	0.317	0.698	4.4036	
600 minute summer	S81	8.000	S82	3.8	0.100	0.053	6.0717	
600 minute summer	S82	8.001	S83	7.1	0.134	0.103	6.3682	
600 minute summer	S83	8.002	S84	10.6	0.136	0.148	6.6167	
600 minute summer	S84	8.003	S86	13.9	0.182	0.196	8.1088	
600 minute summer	S86	1.006	S30	61.0	0.387	0.860	4.4138	
600 minute summer	S76	9.000	S77	3.8	0.101	0.053	6.1027	
600 minute summer	S77	9.001	S78	7.2	0.134	0.101	6.4014	

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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	345	0.046	0.407	11.8	1.3070	0.0000	OK
600 minute summer	S79	345	0.045	0.427	15.2	1.3500	0.0000	OK
600 minute summer	S30	345	0.045	0.452	73.7	1.1496	0.0000	SURCHARGED
600 minute summer	S31	345	0.025	0.361	4.8	1.1945	0.0000	OK
600 minute summer	S32	345	0.025	0.404	7.8	1.2464	0.0000	OK
600 minute summer	S33	345	0.024	0.447	80.7	1.1385	0.0000	OK
600 minute summer	S34	345	0.000	0.439	82.5	0.7763	0.0000	OK
600 minute summer	S35	345	-0.036	0.430	82.8	0.7604	0.0000	OK
600 minute summer	S36	345	-0.049	0.393	2.0	0.6940	0.0000	OK
600 minute summer	S37	345	-0.049	0.422	89.5	2.0734	0.0000	OK
600 minute summer	S38	345	-0.116	0.400	89.4	0.7075	0.0000	OK
600 minute summer	S39	345	-0.187	0.375	89.4	0.6624	0.0000	OK
600 minute summer	S56	345	-0.205	0.354	0.2	0.6261	0.0000	OK
600 minute summer	S57	345	-0.205	0.360	89.4	0.9171	0.0000	OK
600 minute summer	S125	345	-0.242	0.313	0.8	0.5532	0.0000	OK
600 minute summer	S127	345	-0.242	0.337	89.4	0.8578	0.0000	OK
600 minute summer	S119	345	-0.289	0.280	0.5	0.4942	0.0000	OK
600 minute summer	S60	345	-0.289	0.304	89.4	0.7729	0.0000	OK
600 minute summer	Pond Inlet 1	1410	-0.369	0.241	89.4	0.4264	0.0000	OK
600 minute summer	Pond Outlet	1635	-0.369	0.241	44.8	0.2729	0.0000	OK
600 minute summer	S13	1680	-0.369	0.269	0.1	0.9331	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	0.529	0.029	1.4	0.7970	0.0000	OK
600 minute summer	PP-S25	315	0.523	0.023	1.2	0.4741	0.0000	OK
600 minute summer	PP-S16	315	0.528	0.028	2.2	0.7661	0.0000	OK
600 minute summer	PP-S145	315	0.527	0.027	2.5	0.7390	0.0000	OK
600 minute summer	PP-S4	315	0.529	0.029	2.0	0.8054	0.0000	OK
600 minute summer	PP-S1	330	0.539	0.039	5.0	10.4159	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	10.7	0.138	0.153	6.6437	
600 minute summer	S79	9.003	S30	14.1	0.180	0.196	7.6178	
600 minute summer	S30	1.007	S33	73.8	0.466	1.036	5.0168	
600 minute summer	S31	10.000	S32	3.6	0.106	0.051	12.3444	
600 minute summer	S32	10.001	S33	6.2	0.134	0.087	13.2973	
600 minute summer	S33	1.008	S34	80.8	0.511	1.145	5.0922	
600 minute summer	S34	1.009	S35	82.5	0.526	1.162	8.4200	
600 minute summer	S35	1.010	S37	82.8	0.533	1.246	1.7580	
600 minute summer	S36	11.000	S37	1.5	-0.049	0.021	8.6649	
600 minute summer	S37	1.011	S38	89.4	0.591	1.265	13.7162	
600 minute summer	S38	1.012	S39	89.4	0.617	1.252	13.1178	
600 minute summer	S39	1.013	S57	89.4	0.646	1.412	1.0334	
600 minute summer	S56	12.011	S57	-0.2	-0.024	-0.003	1.7589	
600 minute summer	S57	1.014	S127	89.4	0.679	1.265	3.6980	
600 minute summer	S125	21.003	S127	-0.8	-0.119	-0.012	6.0444	
600 minute summer	S127	1.015	S60	89.4	0.741	1.255	3.3390	
600 minute summer	S119	22.003	S60	-0.5	-0.056	-0.007	5.3601	
600 minute summer	S60	1.016	Pond Inlet 1	89.4	0.907	1.180	2.9661	
600 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	44.8	0.016	0.001	1257.1586	
600 minute summer	Pond Outlet	1.018	S13	0.1	0.139	0.001	0.4323	
600 minute summer	S13	Pump	Final Outfall	0.0				0.0
600 minute summer	PP-S26	1.000_1	S26	1.4	0.457	0.035	0.0299	
600 minute summer	PP-S25	2.000_1	S25	1.2	0.576	0.021	0.0103	
600 minute summer	PP-S16	3.000_1	S16	2.2	0.771	0.032	0.0142	
600 minute summer	PP-S145	4.000_2	S145	2.5	0.936	0.030	0.0133	
600 minute summer	PP-S4	1.000_2	S4	2.0	0.665	0.035	0.0149	
600 minute summer	PP-S1	4.000_1	S1	4.1	0.912	0.062	0.0226	

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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	0.531	0.031	2.9	1.0085	0.0000	OK
600 minute summer	PP-S12	315	0.518	0.018	1.1	0.4438	0.0000	OK
600 minute summer	PP-S14	330	0.506	0.006	0.1	0.1457	0.0000	OK
600 minute summer	PP-S2	315	0.521	0.021	1.6	0.9592	0.0000	OK
600 minute summer	PP-S15	315	0.518	0.018	1.2	0.3274	0.0000	OK
600 minute summer	PP-S75	315	0.518	0.018	1.2	0.3646	0.0000	OK
600 minute summer	PP-S24	315	0.527	0.027	2.9	0.8735	0.0000	OK
600 minute summer	PP-S30	315	0.516	0.016	1.1	0.3205	0.0000	OK
600 minute summer	PP-S33	315	0.517	0.017	1.3	0.2995	0.0000	OK
600 minute summer	PP-S34	315	0.523	0.023	2.5	0.7359	0.0000	OK
600 minute summer	PP-S35	315	0.510	0.010	0.4	0.1158	0.0000	OK
600 minute summer	PP-S36	315	0.521	0.021	2.0	0.4583	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	2.9	0.892	0.039	0.0162	
600 minute summer	PP-S12	8.000_1	S12	1.1	0.772	0.012	0.0071	
600 minute summer	PP-S14	11.000_1	S14	0.1	0.343	0.001	0.0013	
600 minute summer	PP-S2	10.000_1	S2	1.6	0.863	0.017	0.0090	
600 minute summer	PP-S15	12.000_1	S15	1.2	0.814	0.013	0.0074	
600 minute summer	PP-S75	13.000_1	S75	1.2	0.840	0.012	0.0071	
600 minute summer	PP-S24	14.000_1	S92	2.9	1.121	0.028	0.0129	
600 minute summer	PP-S30	18.000_1	S30	1.1	0.889	0.010	0.0062	
600 minute summer	PP-S33	20.000_1	S33	1.3	0.952	0.011	0.0068	
600 minute summer	PP-S34	21.000_1	S34	2.5	1.186	0.021	0.0105	
600 minute summer	PP-S35	22.000_2	S35	0.4	0.714	0.003	0.0028	
600 minute summer	PP-S36	23.000_2	S36	2.0	1.118	0.017	0.0089	

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Results for 30 year 600 minute winter. 2040 minute analysis at 15 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
600 minute winter	S26	360	0.031	0.269	1.1	0.4750	0.0000	OK
600 minute winter	S25	360	0.031	0.275	0.9	0.6994	0.0000	OK
600 minute winter	S16	360	0.031	0.298	7.2	1.3205	0.0000	OK
600 minute winter	S145	360	0.030	0.345	13.8	1.4867	0.0000	OK
600 minute winter	S4	360	0.030	0.273	1.5	0.4829	0.0000	OK
600 minute winter	S5	360	0.030	0.314	3.2	0.5553	0.0000	OK
600 minute winter	S9	360	0.030	0.326	1.3	0.7514	0.0000	OK
600 minute winter	S10	360	0.030	0.351	1.1	0.6204	0.0000	OK
600 minute winter	S11	360	0.030	0.356	4.8	0.6292	0.0000	OK
600 minute winter	S12	360	0.030	0.365	5.9	0.6450	0.0000	OK
600 minute winter	S1	360	0.031	0.295	4.8	0.6941	0.0000	OK
600 minute winter	S3	360	0.031	0.338	7.6	1.0793	0.0000	OK
600 minute winter	S2	360	0.030	0.366	8.2	0.6470	0.0000	OK
600 minute winter	S14	360	0.030	0.339	0.6	0.5989	0.0000	OK
600 minute winter	S15	360	0.030	0.376	18.3	1.6921	0.0000	OK
600 minute winter	S75	360	0.029	0.391	32.1	0.9943	0.0000	OK
600 minute winter	S87	360	0.026	0.312	3.4	1.0123	0.0000	OK
600 minute winter	S88	360	0.026	0.334	6.6	1.0892	0.0000	OK
600 minute winter	S89	360	0.026	0.356	9.5	1.1533	0.0000	OK
600 minute winter	S90	360	0.026	0.378	12.3	1.2023	0.0000	OK
600 minute winter	S92	360	0.025	0.404	45.2	1.0277	0.0000	OK
600 minute winter	S81	360	0.019	0.321	3.4	1.0376	0.0000	OK
600 minute winter	S82	360	0.019	0.343	6.6	1.1147	0.0000	OK
600 minute winter	S83	360	0.019	0.364	9.5	1.1754	0.0000	OK
600 minute winter	S84	360	0.019	0.386	12.4	1.2237	0.0000	OK
600 minute winter	S86	360	0.018	0.411	56.6	1.0464	0.0000	OK
600 minute winter	S76	360	0.009	0.326	3.4	1.0477	0.0000	OK
600 minute winter	S77	360	0.009	0.348	6.6	1.1245	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	1.0	0.043	0.014	6.1003	
600 minute winter	S25	2.000	S16	0.8	0.038	0.012	4.9272	
600 minute winter	S16	1.001	S145	6.7	0.142	0.094	11.4514	
600 minute winter	S145	1.002	S75	13.2	0.174	0.187	13.1000	
600 minute winter	S4	3.000	S5	1.4	0.082	0.020	9.0576	
600 minute winter	S5	3.001	S11	3.5	0.124	0.050	10.4570	
600 minute winter	S9	4.000	S10	1.1	0.101	0.016	6.5090	
600 minute winter	S10	4.001	S11	1.3	0.050	0.017	1.1622	
600 minute winter	S11	3.002	S12	5.4	0.069	0.077	2.4696	
600 minute winter	S12	3.003	S15	6.1	0.068	0.089	3.2460	
600 minute winter	S1	5.000	S3	4.5	0.097	0.064	10.1319	
600 minute winter	S3	5.001	S2	7.2	0.130	0.102	7.7006	
600 minute winter	S2	5.002	S15	8.3	0.089	0.121	3.0147	
600 minute winter	S14	6.000	S15	-0.6	-0.040	-0.008	10.0985	
600 minute winter	S15	3.004	S75	18.7	0.143	0.262	4.5076	
600 minute winter	S75	1.003	S92	32.6	0.229	0.458	4.9879	
600 minute winter	S87	7.000	S88	3.1	0.108	0.043	5.2824	
600 minute winter	S88	7.001	S89	6.0	0.141	0.084	5.6544	
600 minute winter	S89	7.002	S90	8.9	0.163	0.125	5.9974	
600 minute winter	S90	7.003	S92	11.9	0.137	0.168	7.9611	
600 minute winter	S92	1.005	S86	45.3	0.303	0.638	4.1997	
600 minute winter	S81	8.000	S82	3.1	0.105	0.043	5.4425	
600 minute winter	S82	8.001	S83	6.0	0.140	0.086	5.7963	
600 minute winter	S83	8.002	S84	9.0	0.159	0.126	6.1195	
600 minute winter	S84	8.003	S86	11.9	0.138	0.168	7.6706	
600 minute winter	S86	1.006	S30	56.7	0.372	0.798	4.2455	
600 minute winter	S76	9.000	S77	3.1	0.105	0.043	5.5198	
600 minute winter	S77	9.001	S78	6.0	0.140	0.085	5.8755	

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Results for 30 year 600 minute winter. 2040 minute analysis at 15 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
600 minute winter	S78	360	0.009	0.370	9.5	1.1881	0.0000	OK
600 minute winter	S79	360	0.008	0.390	12.4	1.2331	0.0000	OK
600 minute winter	S30	360	0.008	0.415	68.7	1.0555	0.0000	OK
600 minute winter	S31	360	-0.009	0.327	3.7	1.0839	0.0000	OK
600 minute winter	S32	360	-0.009	0.370	6.4	1.1431	0.0000	OK
600 minute winter	S33	360	-0.009	0.414	75.2	1.0535	0.0000	OK
600 minute winter	S34	360	-0.030	0.409	76.8	0.7232	0.0000	OK
600 minute winter	S35	360	-0.061	0.405	77.1	0.7148	0.0000	OK
600 minute winter	S36	360	-0.074	0.368	1.5	0.6502	0.0000	OK
600 minute winter	S37	360	-0.074	0.397	83.6	1.9514	0.0000	OK
600 minute winter	S38	360	-0.135	0.381	83.4	0.6730	0.0000	OK
600 minute winter	S39	360	-0.202	0.360	83.3	0.6365	0.0000	OK
600 minute winter	S56	360	-0.218	0.341	0.3	0.6022	0.0000	OK
600 minute winter	S57	360	-0.218	0.347	83.4	0.8826	0.0000	OK
600 minute winter	S125	360	-0.253	0.302	0.3	0.5334	0.0000	OK
600 minute winter	S127	360	-0.253	0.326	83.4	0.8293	0.0000	OK
600 minute winter	S119	360	-0.297	0.272	0.3	0.4806	0.0000	OK
600 minute winter	S60	360	-0.297	0.296	83.4	0.7532	0.0000	OK
600 minute winter	Pond Inlet 1	1935	-0.342	0.268	83.3	0.4735	0.0000	OK
600 minute winter	Pond Outlet	1755	-0.342	0.268	41.7	0.3031	0.0000	OK
600 minute winter	S13	1680	-0.342	0.296	0.2	1.0255	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	315	0.526	0.026	1.1	0.6442	0.0000	OK
600 minute winter	PP-S25	330	0.520	0.020	0.9	0.3650	0.0000	OK
600 minute winter	PP-S16	315	0.525	0.025	1.7	0.6042	0.0000	OK
600 minute winter	PP-S145	315	0.524	0.024	1.9	0.5728	0.0000	OK
600 minute winter	PP-S4	315	0.526	0.026	1.5	0.6176	0.0000	OK
600 minute winter	PP-S1	330	0.536	0.036	3.8	9.3144	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	9.0	0.153	0.129	6.1911	
600 minute winter	S79	9.003	S30	12.0	0.141	0.167	7.2519	
600 minute winter	S30	1.007	S33	68.7	0.450	0.965	4.8377	
600 minute winter	S31	10.000	S32	3.2	0.112	0.045	11.3495	
600 minute winter	S32	10.001	S33	5.7	0.103	0.079	12.6033	
600 minute winter	S33	1.008	S34	75.3	0.495	1.067	4.9019	
600 minute winter	S34	1.009	S35	76.9	0.510	1.082	8.0977	
600 minute winter	S35	1.010	S37	77.1	0.517	1.161	1.6887	
600 minute winter	S36	11.000	S37	1.3	0.041	0.018	8.2522	
600 minute winter	S37	1.011	S38	83.4	0.574	1.181	13.1625	
600 minute winter	S38	1.012	S39	83.3	0.599	1.166	12.6198	
600 minute winter	S39	1.013	S57	83.4	0.626	1.316	0.9959	
600 minute winter	S56	12.011	S57	-0.3	-0.021	-0.004	1.6933	
600 minute winter	S57	1.014	S127	83.4	0.659	1.179	3.5663	
600 minute winter	S125	21.003	S127	-0.3	-0.075	-0.004	5.8202	
600 minute winter	S127	1.015	S60	83.4	0.717	1.170	3.2326	
600 minute winter	S119	22.003	S60	-0.3	-0.023	-0.005	5.1962	
600 minute winter	S60	1.016	Pond Inlet 1	83.3	0.870	1.100	2.9328	
600 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	41.7	0.017	0.001	1403.2836	
600 minute winter	Pond Outlet	1.018	S13	0.2	0.152	0.002	0.4637	
600 minute winter	S13	Pump	Final Outfall	0.0				0.0
600 minute winter	PP-S26	1.000_1	S26	1.1	0.427	0.028	0.0255	
600 minute winter	PP-S25	2.000_1	S25	0.9	0.532	0.016	0.0085	
600 minute winter	PP-S16	3.000_1	S16	1.7	0.716	0.025	0.0119	
600 minute winter	PP-S145	4.000_2	S145	1.9	0.864	0.022	0.0110	
600 minute winter	PP-S4	1.000_2	S4	1.5	0.612	0.026	0.0122	
600 minute winter	PP-S1	4.000_1	S1	3.5	0.871	0.053	0.0201	

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Results for 30 year 600 minute winter. 2040 minute analysis at 15 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
600 minute winter	PP-S5	315	0.528	0.028	2.3	0.8108	0.0000	OK
600 minute winter	PP-S12	330	0.515	0.015	0.8	0.3353	0.0000	OK
600 minute winter	PP-S14	345	0.506	0.006	0.1	0.1574	0.0000	OK
600 minute winter	PP-S2	315	0.518	0.018	1.2	0.7407	0.0000	OK
600 minute winter	PP-S15	330	0.516	0.016	0.9	0.2528	0.0000	OK
600 minute winter	PP-S75	330	0.516	0.016	0.9	0.2821	0.0000	OK
600 minute winter	PP-S24	315	0.524	0.024	2.3	0.7036	0.0000	OK
600 minute winter	PP-S30	330	0.514	0.014	0.8	0.2398	0.0000	OK
600 minute winter	PP-S33	315	0.515	0.015	1.0	0.2375	0.0000	OK
600 minute winter	PP-S34	315	0.520	0.020	1.9	0.5708	0.0000	OK
600 minute winter	PP-S35	345	0.508	0.008	0.3	0.0897	0.0000	OK
600 minute winter	PP-S36	315	0.518	0.018	1.5	0.3513	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	2.3	0.834	0.031	0.0138	
600 minute winter	PP-S12	8.000_1	S12	0.8	0.703	0.009	0.0057	
600 minute winter	PP-S14	11.000_1	S14	0.1	0.353	0.001	0.0014	
600 minute winter	PP-S2	10.000_1	S2	1.2	0.794	0.013	0.0075	
600 minute winter	PP-S15	12.000_1	S15	0.9	0.746	0.010	0.0060	
600 minute winter	PP-S75	13.000_1	S75	0.9	0.771	0.009	0.0058	
600 minute winter	PP-S24	14.000_1	S92	2.3	1.048	0.022	0.0110	
600 minute winter	PP-S30	18.000_1	S30	0.8	0.808	0.007	0.0050	
600 minute winter	PP-S33	20.000_1	S33	1.0	0.880	0.009	0.0057	
600 minute winter	PP-S34	21.000_1	S34	1.9	1.097	0.016	0.0087	
600 minute winter	PP-S35	22.000_2	S35	0.3	0.659	0.002	0.0023	
600 minute winter	PP-S36	23.000_2	S36	1.5	1.024	0.013	0.0073	

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Results for 30 year 720 minute summer. 2160 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
720 minute summer	S26	405	0.032	0.270	1.3	0.4779	0.0000	OK
720 minute summer	S25	405	0.032	0.276	1.1	0.7036	0.0000	OK
720 minute summer	S16	405	0.032	0.299	8.0	1.3278	0.0000	OK
720 minute summer	S145	405	0.032	0.347	14.9	1.4938	0.0000	OK
720 minute summer	S4	405	0.032	0.275	1.8	0.4860	0.0000	OK
720 minute summer	S5	405	0.032	0.316	3.5	0.5583	0.0000	OK
720 minute summer	S9	405	0.032	0.328	1.4	0.7554	0.0000	OK
720 minute summer	S10	405	0.032	0.353	1.0	0.6235	0.0000	OK
720 minute summer	S11	405	0.032	0.358	5.1	0.6323	0.0000	OK
720 minute summer	S12	405	0.032	0.367	6.2	0.6480	0.0000	OK
720 minute summer	S1	405	0.032	0.296	5.1	0.6982	0.0000	OK
720 minute summer	S3	405	0.032	0.339	8.0	1.0849	0.0000	OK
720 minute summer	S2	405	0.032	0.368	8.6	0.6500	0.0000	OK
720 minute summer	S14	405	0.032	0.341	1.0	0.6019	0.0000	OK
720 minute summer	S15	405	0.032	0.378	18.6	1.6997	0.0000	OK
720 minute summer	S75	405	0.030	0.392	32.5	0.9985	0.0000	OK
720 minute summer	S87	405	0.027	0.313	4.0	1.0169	0.0000	OK
720 minute summer	S88	405	0.027	0.335	7.5	1.0939	0.0000	OK
720 minute summer	S89	405	0.027	0.357	10.6	1.1579	0.0000	OK
720 minute summer	S90	405	0.027	0.379	13.7	1.2070	0.0000	OK
720 minute summer	S92	405	0.026	0.405	45.7	1.0315	0.0000	OK
720 minute summer	S81	405	0.021	0.323	4.0	1.0417	0.0000	OK
720 minute summer	S82	405	0.021	0.345	7.5	1.1189	0.0000	OK
720 minute summer	S83	405	0.020	0.365	10.7	1.1796	0.0000	OK
720 minute summer	S84	405	0.020	0.387	13.7	1.2279	0.0000	OK
720 minute summer	S86	405	0.020	0.413	56.9	1.0499	0.0000	OK
720 minute summer	S76	405	0.010	0.327	4.0	1.0515	0.0000	OK
720 minute summer	S77	405	0.010	0.349	7.5	1.1284	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	1.1	0.047	0.015	6.1415	
720 minute summer	S25	2.000	S16	0.9	0.036	0.013	4.9600	
720 minute summer	S16	1.001	S145	6.7	0.123	0.094	11.5138	
720 minute summer	S145	1.002	S75	13.4	0.151	0.190	13.1527	
720 minute summer	S4	3.000	S5	1.4	0.079	0.020	9.1190	
720 minute summer	S5	3.001	S11	3.7	0.119	0.052	10.5123	
720 minute summer	S9	4.000	S10	1.0	0.081	0.015	6.5427	
720 minute summer	S10	4.001	S11	1.4	0.051	0.019	1.1676	
720 minute summer	S11	3.002	S12	5.8	0.065	0.082	2.4807	
720 minute summer	S12	3.003	S15	6.5	0.060	0.094	3.2594	
720 minute summer	S1	5.000	S3	4.7	0.102	0.066	10.1923	
720 minute summer	S3	5.001	S2	7.5	0.116	0.105	7.7370	
720 minute summer	S2	5.002	S15	8.6	0.072	0.126	3.0270	
720 minute summer	S14	6.000	S15	-0.9	-0.026	-0.013	10.1436	
720 minute summer	S15	3.004	S75	19.1	0.144	0.267	4.5239	
720 minute summer	S75	1.003	S92	33.0	0.231	0.464	5.0032	
720 minute summer	S87	7.000	S88	3.4	0.099	0.048	5.3071	
720 minute summer	S88	7.001	S89	6.5	0.134	0.092	5.6777	
720 minute summer	S89	7.002	S90	9.7	0.153	0.136	6.0188	
720 minute summer	S90	7.003	S92	12.7	0.168	0.180	7.9852	
720 minute summer	S92	1.005	S86	45.7	0.305	0.644	4.2103	
720 minute summer	S81	8.000	S82	3.4	0.098	0.048	5.4646	
720 minute summer	S82	8.001	S83	6.6	0.132	0.094	5.8172	
720 minute summer	S83	8.002	S84	9.7	0.142	0.136	6.1384	
720 minute summer	S84	8.003	S86	12.8	0.179	0.180	7.6900	
720 minute summer	S86	1.006	S30	57.0	0.374	0.803	4.2546	
720 minute summer	S76	9.000	S77	3.4	0.099	0.048	5.5397	
720 minute summer	S77	9.001	S78	6.6	0.131	0.092	5.8940	

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Results for 30 year 720 minute summer. 2160 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
720 minute summer	S78	405	0.010	0.371	10.7	1.1920	0.0000	OK
720 minute summer	S79	405	0.010	0.392	13.8	1.2370	0.0000	OK
720 minute summer	S30	405	0.009	0.416	68.9	1.0587	0.0000	OK
720 minute summer	S31	405	-0.008	0.328	4.3	1.0877	0.0000	OK
720 minute summer	S32	405	-0.008	0.371	7.1	1.1467	0.0000	OK
720 minute summer	S33	405	-0.008	0.415	75.5	1.0564	0.0000	OK
720 minute summer	S34	405	-0.029	0.410	77.2	0.7250	0.0000	OK
720 minute summer	S35	405	-0.061	0.405	77.4	0.7162	0.0000	OK
720 minute summer	S36	405	-0.073	0.369	1.7	0.6515	0.0000	OK
720 minute summer	S37	405	-0.073	0.398	83.6	1.9550	0.0000	OK
720 minute summer	S38	405	-0.135	0.381	83.7	0.6733	0.0000	OK
720 minute summer	S39	405	-0.202	0.360	83.7	0.6355	0.0000	OK
720 minute summer	S56	405	-0.219	0.340	0.2	0.6008	0.0000	OK
720 minute summer	S57	405	-0.219	0.346	83.7	0.8806	0.0000	OK
720 minute summer	S125	405	-0.255	0.300	0.6	0.5309	0.0000	OK
720 minute summer	S127	405	-0.255	0.324	83.7	0.8256	0.0000	OK
720 minute summer	S119	405	-0.300	0.269	0.4	0.4755	0.0000	OK
720 minute summer	S60	405	-0.300	0.293	83.6	0.7460	0.0000	OK
720 minute summer	Pond Inlet 1	1680	-0.359	0.251	83.5	0.4427	0.0000	OK
720 minute summer	Pond Outlet	2115	-0.359	0.251	41.8	0.2834	0.0000	OK
720 minute summer	S13	1365	-0.359	0.279	0.1	0.9652	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	0.528	0.028	1.3	0.7427	0.0000	OK
720 minute summer	PP-S25	375	0.522	0.022	1.1	0.4365	0.0000	OK
720 minute summer	PP-S16	375	0.526	0.026	1.9	0.6678	0.0000	OK
720 minute summer	PP-S145	375	0.526	0.026	2.2	0.6570	0.0000	OK
720 minute summer	PP-S4	375	0.528	0.028	1.8	0.7292	0.0000	OK
720 minute summer	PP-S1	390	0.537	0.037	4.4	9.7068	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	9.8	0.136	0.141	6.2081	
720 minute summer	S79	9.003	S30	12.9	0.177	0.179	7.2684	
720 minute summer	S30	1.007	S33	69.0	0.451	0.969	4.8473	
720 minute summer	S31	10.000	S32	3.4	0.110	0.048	11.3862	
720 minute summer	S32	10.001	S33	5.7	0.123	0.080	12.6332	
720 minute summer	S33	1.008	S34	75.6	0.496	1.071	4.9109	
720 minute summer	S34	1.009	S35	77.2	0.511	1.087	8.1109	
720 minute summer	S35	1.010	S37	77.5	0.519	1.166	1.6911	
720 minute summer	S36	11.000	S37	1.3	0.051	0.018	8.2650	
720 minute summer	S37	1.011	S38	83.7	0.576	1.185	13.1741	
720 minute summer	S38	1.012	S39	83.7	0.600	1.172	12.6134	
720 minute summer	S39	1.013	S57	83.7	0.628	1.321	0.9940	
720 minute summer	S56	12.011	S57	-0.2	-0.013	-0.003	1.6894	
720 minute summer	S57	1.014	S127	83.7	0.661	1.183	3.5538	
720 minute summer	S125	21.003	S127	-0.6	-0.112	-0.008	5.7905	
720 minute summer	S127	1.015	S60	83.6	0.721	1.174	3.2075	
720 minute summer	S119	22.003	S60	-0.4	-0.019	-0.005	5.1354	
720 minute summer	S60	1.016	Pond Inlet 1	83.5	0.881	1.103	2.8603	
720 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	41.8	0.015	0.001	1307.5129	
720 minute summer	Pond Outlet	1.018	S13	0.1	0.148	0.002	0.4448	
720 minute summer	S13	Pump	Final Outfall	0.0				0.0
720 minute summer	PP-S26	1.000_1	S26	1.3	0.447	0.033	0.0284	
720 minute summer	PP-S25	2.000_1	S25	1.1	0.561	0.019	0.0097	
720 minute summer	PP-S16	3.000_1	S16	1.9	0.738	0.028	0.0128	
720 minute summer	PP-S145	4.000_2	S145	2.2	0.902	0.026	0.0122	
720 minute summer	PP-S4	1.000_2	S4	1.8	0.645	0.031	0.0139	
720 minute summer	PP-S1	4.000_1	S1	3.7	0.886	0.056	0.0209	

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Results for 30 year 720 minute summer. 2160 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
720 minute summer	PP-S5	375	0.530	0.030	2.6	0.9095	0.0000	OK
720 minute summer	PP-S12	375	0.516	0.016	0.9	0.3707	0.0000	OK
720 minute summer	PP-S14	390	0.506	0.006	0.1	0.1457	0.0000	OK
720 minute summer	PP-S2	375	0.520	0.020	1.4	0.8503	0.0000	OK
720 minute summer	PP-S15	375	0.517	0.017	1.1	0.3022	0.0000	OK
720 minute summer	PP-S75	375	0.516	0.016	1.0	0.3093	0.0000	OK
720 minute summer	PP-S24	375	0.525	0.025	2.6	0.7900	0.0000	OK
720 minute summer	PP-S30	375	0.515	0.015	1.0	0.2946	0.0000	OK
720 minute summer	PP-S33	375	0.516	0.016	1.1	0.2580	0.0000	OK
720 minute summer	PP-S34	375	0.522	0.022	2.2	0.6527	0.0000	OK
720 minute summer	PP-S35	390	0.508	0.008	0.3	0.0897	0.0000	OK
720 minute summer	PP-S36	375	0.519	0.019	1.7	0.3943	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	2.6	0.864	0.035	0.0150	
720 minute summer	PP-S12	8.000_1	S12	0.9	0.727	0.010	0.0062	
720 minute summer	PP-S14	11.000_1	S14	0.1	0.343	0.001	0.0013	
720 minute summer	PP-S2	10.000_1	S2	1.4	0.831	0.015	0.0082	
720 minute summer	PP-S15	12.000_1	S15	1.1	0.792	0.012	0.0069	
720 minute summer	PP-S75	13.000_1	S75	1.0	0.795	0.010	0.0063	
720 minute summer	PP-S24	14.000_1	S92	2.6	1.086	0.025	0.0119	
720 minute summer	PP-S30	18.000_1	S30	1.0	0.864	0.009	0.0058	
720 minute summer	PP-S33	20.000_1	S33	1.1	0.906	0.010	0.0061	
720 minute summer	PP-S34	21.000_1	S34	2.2	1.143	0.019	0.0096	
720 minute summer	PP-S35	22.000_2	S35	0.3	0.659	0.002	0.0023	
720 minute summer	PP-S36	23.000_2	S36	1.7	1.064	0.014	0.0080	

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Results for 30 year 720 minute winter. 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 winter	S26	420	-0.007	0.231	0.9	0.4077	0.0000	OK
720 minute winter	S25	420	-0.007	0.237	0.8	0.6025	0.0000	OK
720 minute winter	S16	420	-0.007	0.260	6.5	1.1516	0.0000	OK
720 minute winter	S145	420	-0.008	0.307	12.5	1.3223	0.0000	OK
720 minute winter	S4	420	-0.008	0.235	1.3	0.4152	0.0000	OK
720 minute winter	S5	420	-0.008	0.276	3.0	0.4876	0.0000	OK
720 minute winter	S9	420	-0.008	0.288	1.1	0.6632	0.0000	OK
720 minute winter	S10	420	-0.008	0.313	0.9	0.5528	0.0000	OK
720 minute winter	S11	420	-0.008	0.318	4.2	0.5616	0.0000	OK
720 minute winter	S12	420	-0.008	0.327	5.0	0.5774	0.0000	OK
720 minute winter	S1	420	-0.007	0.257	4.2	0.6041	0.0000	OK
720 minute winter	S3	420	-0.008	0.299	6.7	0.9571	0.0000	OK
720 minute winter	S2	420	-0.008	0.328	7.5	0.5794	0.0000	OK
720 minute winter	S14	420	-0.008	0.301	0.5	0.5313	0.0000	OK
720 minute winter	S15	420	-0.008	0.338	16.4	1.5199	0.0000	OK
720 minute winter	S75	420	-0.010	0.352	29.0	0.8970	0.0000	OK
720 minute winter	S87	420	-0.012	0.274	3.0	0.8888	0.0000	OK
720 minute winter	S88	420	-0.012	0.296	5.9	0.9651	0.0000	OK
720 minute winter	S89	420	-0.012	0.318	8.5	1.0299	0.0000	OK
720 minute winter	S90	420	-0.013	0.339	11.1	1.0810	0.0000	OK
720 minute winter	S92	420	-0.013	0.366	40.9	0.9309	0.0000	OK
720 minute winter	S81	420	-0.018	0.284	3.0	0.9160	0.0000	OK
720 minute winter	S82	420	-0.018	0.306	5.9	0.9924	0.0000	OK
720 minute winter	S83	420	-0.019	0.326	8.5	1.0539	0.0000	OK
720 minute winter	S84	420	-0.019	0.348	11.1	1.1043	0.0000	OK
720 minute winter	S86	420	-0.019	0.374	51.2	0.9507	0.0000	OK
720 minute winter	S76	420	-0.028	0.289	3.0	0.9294	0.0000	OK
720 minute winter	S77	420	-0.028	0.311	5.9	1.0055	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	0.9	0.046	0.012	5.1260	
720 minute winter	S25	2.000	S16	0.8	0.036	0.011	4.1513	
720 minute winter	S16	1.001	S145	6.0	0.137	0.085	9.9428	
720 minute winter	S145	1.002	S75	12.0	0.163	0.170	11.7640	
720 minute winter	S4	3.000	S5	1.2	0.071	0.017	7.6794	
720 minute winter	S5	3.001	S11	3.1	0.105	0.043	9.1677	
720 minute winter	S9	4.000	S10	0.9	0.105	0.013	5.7186	
720 minute winter	S10	4.001	S11	1.2	0.077	0.015	1.0320	
720 minute winter	S11	3.002	S12	4.6	0.064	0.066	2.2040	
720 minute winter	S12	3.003	S15	5.3	0.061	0.076	2.9170	
720 minute winter	S1	5.000	S3	4.1	0.100	0.057	8.7550	
720 minute winter	S3	5.001	S2	6.6	0.129	0.092	6.8317	
720 minute winter	S2	5.002	S15	7.5	0.090	0.110	2.7101	
720 minute winter	S14	6.000	S15	-0.5	-0.042	-0.007	8.9964	
720 minute winter	S15	3.004	S75	16.7	0.140	0.233	4.0874	
720 minute winter	S75	1.003	S92	29.2	0.223	0.410	4.5686	
720 minute winter	S87	7.000	S88	2.8	0.104	0.039	4.5900	
720 minute winter	S88	7.001	S89	5.4	0.139	0.076	4.9940	
720 minute winter	S89	7.002	S90	8.1	0.153	0.114	5.3790	
720 minute winter	S90	7.003	S92	10.7	0.140	0.152	7.2613	
720 minute winter	S92	1.005	S86	41.0	0.296	0.577	3.8777	
720 minute winter	S81	8.000	S82	2.8	0.103	0.039	4.7708	
720 minute winter	S82	8.001	S83	5.4	0.133	0.078	5.1597	
720 minute winter	S83	8.002	S84	8.1	0.151	0.114	5.5278	
720 minute winter	S84	8.003	S86	10.7	0.131	0.151	7.0435	
720 minute winter	S86	1.006	S30	51.3	0.363	0.722	3.9416	
720 minute winter	S76	9.000	S77	2.8	0.103	0.039	4.8698	
720 minute winter	S77	9.001	S78	5.5	0.130	0.076	5.2631	

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Results for 30 year 720 minute winter. 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 winter	S78	420	-0.028	0.333	8.6	1.0698	0.0000	OK
720 minute winter	S79	420	-0.028	0.354	11.2	1.1169	0.0000	OK
720 minute winter	S30	420	-0.029	0.378	62.4	0.9620	0.0000	OK
720 minute winter	S31	420	-0.044	0.292	3.2	0.9670	0.0000	OK
720 minute winter	S32	420	-0.044	0.335	5.6	1.0342	0.0000	OK
720 minute winter	S33	420	-0.044	0.379	68.2	0.9637	0.0000	OK
720 minute winter	S34	420	-0.063	0.376	69.6	0.6639	0.0000	OK
720 minute winter	S35	420	-0.092	0.374	69.8	0.6604	0.0000	OK
720 minute winter	S36	420	-0.104	0.338	1.3	0.5973	0.0000	OK
720 minute winter	S37	420	-0.104	0.367	75.7	1.8044	0.0000	OK
720 minute winter	S38	420	-0.161	0.355	75.5	0.6280	0.0000	OK
720 minute winter	S39	420	-0.223	0.339	75.5	0.5998	0.0000	OK
720 minute winter	S56	420	-0.238	0.321	0.4	0.5675	0.0000	OK
720 minute winter	S57	420	-0.238	0.327	75.5	0.8327	0.0000	OK
720 minute winter	S125	420	-0.270	0.285	0.4	0.5027	0.0000	OK
720 minute winter	S127	420	-0.270	0.309	75.5	0.7851	0.0000	OK
720 minute winter	S119	435	-0.311	0.258	0.8	0.4556	0.0000	OK
720 minute winter	S60	435	-0.311	0.282	75.5	0.7173	0.0000	OK
720 minute winter	Pond Inlet 1	1770	-0.333	0.277	75.4	0.4897	0.0000	OK
720 minute winter	Pond Outlet	1950	-0.333	0.277	37.8	0.3135	0.0000	OK
720 minute winter	S13	1470	-0.333	0.305	0.2	1.0574	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	390	0.524	0.024	0.9	0.5402	0.0000	OK
720 minute winter	PP-S25	390	0.519	0.019	0.8	0.3266	0.0000	OK
720 minute winter	PP-S16	375	0.524	0.024	1.5	0.5360	0.0000	OK
720 minute winter	PP-S145	375	0.523	0.023	1.7	0.5156	0.0000	OK
720 minute winter	PP-S4	390	0.524	0.024	1.3	0.5411	0.0000	OK
720 minute winter	PP-S1	405	0.534	0.034	3.3	8.5455	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	8.2	0.150	0.117	5.6258	
720 minute winter	S79	9.003	S30	10.8	0.123	0.150	6.6925	
720 minute winter	S30	1.007	S33	62.3	0.439	0.875	4.5079	
720 minute winter	S31	10.000	S32	2.9	0.107	0.040	10.1559	
720 minute winter	S32	10.001	S33	5.2	0.095	0.072	11.6026	
720 minute winter	S33	1.008	S34	68.1	0.481	0.966	4.5766	
720 minute winter	S34	1.009	S35	69.6	0.494	0.980	7.5772	
720 minute winter	S35	1.010	S37	69.8	0.501	1.051	1.5811	
720 minute winter	S36	11.000	S37	1.2	0.031	0.016	7.6599	
720 minute winter	S37	1.011	S38	75.5	0.555	1.069	12.3320	
720 minute winter	S38	1.012	S39	75.5	0.577	1.057	11.8732	
720 minute winter	S39	1.013	S57	75.5	0.602	1.192	0.9386	
720 minute winter	S56	12.011	S57	-0.4	-0.061	-0.006	1.5931	
720 minute winter	S57	1.014	S127	75.5	0.633	1.068	3.3594	
720 minute winter	S125	21.003	S127	-0.4	-0.026	-0.005	5.4616	
720 minute winter	S127	1.015	S60	75.5	0.689	1.060	3.0472	
720 minute winter	S119	22.003	S60	-0.8	-0.080	-0.011	4.8925	
720 minute winter	S60	1.016	Pond Inlet 1	75.4	0.835	0.996	2.9454	
720 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	37.8	0.016	0.001	1454.2867	
720 minute winter	Pond Outlet	1.018	S13	0.2	0.153	0.003	0.4697	
720 minute winter	S13	Pump	Final Outfall	0.0				0.0
720 minute winter	PP-S26	1.000_1	S26	0.9	0.405	0.023	0.0222	
720 minute winter	PP-S25	2.000_1	S25	0.8	0.512	0.014	0.0078	
720 minute winter	PP-S16	3.000_1	S16	1.5	0.689	0.022	0.0109	
720 minute winter	PP-S145	4.000_2	S145	1.7	0.837	0.020	0.0102	
720 minute winter	PP-S4	1.000_2	S4	1.3	0.587	0.023	0.0111	
720 minute winter	PP-S1	4.000_1	S1	3.1	0.841	0.047	0.0184	

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Results for 30 year 720 minute winter. 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 winter	PP-S5	375	0.526	0.026	2.0	0.7126	0.0000	OK
720 minute winter	PP-S12	390	0.514	0.014	0.7	0.2962	0.0000	OK
720 minute winter	PP-S14	375	0.505	0.005	0.1	0.0985	0.0000	OK
720 minute winter	PP-S2	390	0.517	0.017	1.0	0.6321	0.0000	OK
720 minute winter	PP-S15	390	0.515	0.015	0.8	0.2283	0.0000	OK
720 minute winter	PP-S75	390	0.515	0.015	0.8	0.2542	0.0000	OK
720 minute winter	PP-S24	375	0.522	0.022	2.0	0.6168	0.0000	OK
720 minute winter	PP-S30	405	0.513	0.013	0.7	0.2113	0.0000	OK
720 minute winter	PP-S33	375	0.515	0.015	0.9	0.2158	0.0000	OK
720 minute winter	PP-S34	375	0.519	0.019	1.7	0.5146	0.0000	OK
720 minute winter	PP-S35	375	0.508	0.008	0.3	0.0894	0.0000	OK
720 minute winter	PP-S36	375	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)
720 minute winter	PP-S5	2.000_2	S5	2.0	0.800	0.027	0.0125	
720 minute winter	PP-S12	8.000_1	S12	0.7	0.675	0.008	0.0052	
720 minute winter	PP-S14	11.000_1	S14	0.1	0.337	0.001	0.0008	
720 minute winter	PP-S2	10.000_1	S2	1.0	0.753	0.011	0.0066	
720 minute winter	PP-S15	12.000_1	S15	0.8	0.720	0.008	0.0056	
720 minute winter	PP-S75	13.000_1	S75	0.8	0.744	0.008	0.0054	
720 minute winter	PP-S24	14.000_1	S92	2.0	1.006	0.019	0.0099	
720 minute winter	PP-S30	18.000_1	S30	0.7	0.775	0.006	0.0045	
720 minute winter	PP-S33	20.000_1	S33	0.9	0.852	0.008	0.0053	
720 minute winter	PP-S34	21.000_1	S34	1.7	1.060	0.014	0.0080	
720 minute winter	PP-S35	22.000_2	S35	0.3	0.658	0.002	0.0023	
720 minute winter	PP-S36	23.000_2	S36	1.3	0.980	0.011	0.0066	

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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	-0.018	0.220	1.0	0.3885	0.0000	OK
960 minute summer	S25	525	-0.018	0.226	0.9	0.5748	0.0000	OK
960 minute summer	S16	525	-0.018	0.249	6.8	1.1033	0.0000	OK
960 minute summer	S145	525	-0.019	0.296	12.8	1.2753	0.0000	OK
960 minute summer	S4	525	-0.019	0.224	1.4	0.3959	0.0000	OK
960 minute summer	S5	525	-0.019	0.265	3.0	0.4683	0.0000	OK
960 minute summer	S9	525	-0.019	0.277	1.2	0.6380	0.0000	OK
960 minute summer	S10	525	-0.019	0.302	0.9	0.5334	0.0000	OK
960 minute summer	S11	525	-0.019	0.307	4.2	0.5423	0.0000	OK
960 minute summer	S12	525	-0.019	0.316	5.0	0.5580	0.0000	OK
960 minute summer	S1	525	-0.018	0.246	4.3	0.5785	0.0000	OK
960 minute summer	S3	525	-0.019	0.288	6.9	0.9221	0.0000	OK
960 minute summer	S2	525	-0.019	0.317	7.4	0.5600	0.0000	OK
960 minute summer	S14	525	-0.019	0.290	0.6	0.5120	0.0000	OK
960 minute summer	S15	525	-0.019	0.327	16.0	1.4705	0.0000	OK
960 minute summer	S75	525	-0.021	0.341	28.3	0.8690	0.0000	OK
960 minute summer	S87	525	-0.023	0.263	3.2	0.8529	0.0000	OK
960 minute summer	S88	525	-0.023	0.285	6.1	0.9290	0.0000	OK
960 minute summer	S89	525	-0.023	0.307	8.8	0.9940	0.0000	OK
960 minute summer	S90	525	-0.024	0.328	11.3	1.0458	0.0000	OK
960 minute summer	S92	525	-0.024	0.355	39.9	0.9028	0.0000	OK
960 minute summer	S81	525	-0.029	0.273	3.2	0.8802	0.0000	OK
960 minute summer	S82	525	-0.029	0.295	6.1	0.9565	0.0000	OK
960 minute summer	S83	525	-0.030	0.315	8.8	1.0181	0.0000	OK
960 minute summer	S84	525	-0.030	0.337	11.4	1.0692	0.0000	OK
960 minute summer	S86	525	-0.030	0.363	49.7	0.9226	0.0000	OK
960 minute summer	S76	525	-0.039	0.278	3.2	0.8940	0.0000	OK
960 minute summer	S77	525	-0.039	0.300	6.1	0.9700	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	0.9	0.046	0.013	4.8437	
960 minute summer	S25	2.000	S16	0.8	0.038	0.011	3.9262	
960 minute summer	S16	1.001	S145	6.0	0.125	0.084	9.4947	
960 minute summer	S145	1.002	S75	11.8	0.141	0.167	11.3489	
960 minute summer	S4	3.000	S5	1.2	0.079	0.017	7.2773	
960 minute summer	S5	3.001	S11	3.0	0.109	0.043	8.7813	
960 minute summer	S9	4.000	S10	0.9	0.087	0.013	5.4812	
960 minute summer	S10	4.001	S11	1.1	0.051	0.015	0.9924	
960 minute summer	S11	3.002	S12	4.6	0.066	0.065	2.1226	
960 minute summer	S12	3.003	S15	5.2	0.060	0.075	2.8150	
960 minute summer	S1	5.000	S3	4.1	0.102	0.057	8.3484	
960 minute summer	S3	5.001	S2	6.4	0.113	0.091	6.5679	
960 minute summer	S2	5.002	S15	7.4	0.081	0.109	2.6158	
960 minute summer	S14	6.000	S15	-0.6	-0.024	-0.009	8.6592	
960 minute summer	S15	3.004	S75	16.3	0.140	0.227	3.9547	
960 minute summer	S75	1.003	S92	28.5	0.224	0.400	4.4320	
960 minute summer	S87	7.000	S88	2.8	0.093	0.040	4.3809	
960 minute summer	S88	7.001	S89	5.5	0.123	0.077	4.7915	
960 minute summer	S89	7.002	S90	8.1	0.143	0.114	5.1854	
960 minute summer	S90	7.003	S92	10.7	0.147	0.151	7.0348	
960 minute summer	S92	1.005	S86	39.9	0.295	0.561	3.7693	
960 minute summer	S81	8.000	S82	2.8	0.093	0.040	4.5640	
960 minute summer	S82	8.001	S83	5.5	0.122	0.079	4.9602	
960 minute summer	S83	8.002	S84	8.2	0.138	0.114	5.3385	
960 minute summer	S84	8.003	S86	10.7	0.158	0.151	6.8350	
960 minute summer	S86	1.006	S30	49.7	0.361	0.700	3.8366	
960 minute summer	S76	9.000	S77	2.8	0.093	0.040	4.6665	
960 minute summer	S77	9.001	S78	5.5	0.123	0.077	5.0679	

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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	-0.039	0.322	8.8	1.0345	0.0000	OK
960 minute summer	S79	525	-0.039	0.343	11.4	1.0822	0.0000	OK
960 minute summer	S30	525	-0.040	0.367	60.2	0.9341	0.0000	OK
960 minute summer	S31	525	-0.055	0.281	3.5	0.9315	0.0000	OK
960 minute summer	S32	525	-0.055	0.324	5.9	1.0010	0.0000	OK
960 minute summer	S33	525	-0.055	0.368	65.9	0.9364	0.0000	OK
960 minute summer	S34	525	-0.074	0.365	67.3	0.6456	0.0000	OK
960 minute summer	S35	525	-0.102	0.364	67.5	0.6431	0.0000	OK
960 minute summer	S36	525	-0.114	0.328	1.4	0.5803	0.0000	OK
960 minute summer	S37	525	-0.114	0.357	73.1	1.7570	0.0000	OK
960 minute summer	S38	525	-0.170	0.346	73.1	0.6122	0.0000	OK
960 minute summer	S39	525	-0.231	0.331	73.0	0.5854	0.0000	OK
960 minute summer	S56	525	-0.246	0.313	0.2	0.5534	0.0000	OK
960 minute summer	S57	525	-0.246	0.319	73.0	0.8123	0.0000	OK
960 minute summer	S125	525	-0.278	0.277	0.3	0.4888	0.0000	OK
960 minute summer	S127	525	-0.278	0.301	72.9	0.7650	0.0000	OK
960 minute summer	S119	540	-0.319	0.250	0.3	0.4419	0.0000	OK
960 minute summer	S60	540	-0.319	0.274	72.8	0.6975	0.0000	OK
960 minute summer	Pond Inlet 1	1980	-0.346	0.264	72.7	0.4670	0.0000	OK
960 minute summer	Pond Outlet	2115	-0.346	0.264	36.4	0.2989	0.0000	OK
960 minute summer	S13	2085	-0.346	0.292	0.1	1.0128	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	495	0.525	0.025	1.0	0.5897	0.0000	OK
960 minute summer	PP-S25	495	0.520	0.020	0.9	0.3634	0.0000	OK
960 minute summer	PP-S16	495	0.524	0.024	1.6	0.5693	0.0000	OK
960 minute summer	PP-S145	495	0.523	0.023	1.8	0.5437	0.0000	OK
960 minute summer	PP-S4	495	0.525	0.025	1.4	0.5791	0.0000	OK
960 minute summer	PP-S1	510	0.534	0.034	3.6	8.6241	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	8.2	0.133	0.118	5.4413	
960 minute summer	S79	9.003	S30	10.8	0.156	0.150	6.5026	
960 minute summer	S30	1.007	S33	60.2	0.434	0.846	4.3920	
960 minute summer	S31	10.000	S32	2.9	0.090	0.041	9.7717	
960 minute summer	S32	10.001	S33	4.9	0.116	0.069	11.2626	
960 minute summer	S33	1.008	S34	65.9	0.476	0.934	4.4611	
960 minute summer	S34	1.009	S35	67.3	0.489	0.948	7.3908	
960 minute summer	S35	1.010	S37	67.5	0.496	1.016	1.5425	
960 minute summer	S36	11.000	S37	1.1	0.026	0.016	7.4522	
960 minute summer	S37	1.011	S38	73.1	0.550	1.034	12.0277	
960 minute summer	S38	1.012	S39	73.0	0.570	1.022	11.5788	
960 minute summer	S39	1.013	S57	73.0	0.595	1.152	0.9146	
960 minute summer	S56	12.011	S57	-0.2	-0.020	-0.003	1.5506	
960 minute summer	S57	1.014	S127	72.9	0.627	1.031	3.2671	
960 minute summer	S125	21.003	S127	-0.3	-0.038	-0.004	5.2948	
960 minute summer	S127	1.015	S60	72.8	0.683	1.023	2.9559	
960 minute summer	S119	22.003	S60	-0.3	-0.029	-0.004	4.7233	
960 minute summer	S60	1.016	Pond Inlet 1	72.7	0.832	0.960	2.7754	
960 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	36.4	0.013	0.001	1382.9192	
960 minute summer	Pond Outlet	1.018	S13	0.1	0.126	0.002	0.4604	
960 minute summer	S13	Pump	Final Outfall	0.0				0.0
960 minute summer	PP-S26	1.000_1	S26	1.0	0.416	0.026	0.0237	
960 minute summer	PP-S25	2.000_1	S25	0.9	0.531	0.016	0.0084	
960 minute summer	PP-S16	3.000_1	S16	1.6	0.702	0.024	0.0114	
960 minute summer	PP-S145	4.000_2	S145	1.8	0.850	0.021	0.0106	
960 minute summer	PP-S4	1.000_2	S4	1.4	0.600	0.024	0.0116	
960 minute summer	PP-S1	4.000_1	S1	3.1	0.845	0.047	0.0185	

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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	0.527	0.027	2.1	0.7445	0.0000	OK
960 minute summer	PP-S12	495	0.515	0.015	0.8	0.3339	0.0000	OK
960 minute summer	PP-S14	495	0.505	0.005	0.1	0.0985	0.0000	OK
960 minute summer	PP-S2	495	0.518	0.018	1.1	0.6821	0.0000	OK
960 minute summer	PP-S15	495	0.516	0.016	0.9	0.2527	0.0000	OK
960 minute summer	PP-S75	495	0.515	0.015	0.8	0.2536	0.0000	OK
960 minute summer	PP-S24	495	0.523	0.023	2.1	0.6452	0.0000	OK
960 minute summer	PP-S30	495	0.514	0.014	0.8	0.2394	0.0000	OK
960 minute summer	PP-S33	495	0.515	0.015	0.9	0.2158	0.0000	OK
960 minute summer	PP-S34	495	0.520	0.020	1.8	0.5427	0.0000	OK
960 minute summer	PP-S35	495	0.508	0.008	0.3	0.0894	0.0000	OK
960 minute summer	PP-S36	495	0.517	0.017	1.4	0.3298	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	2.1	0.812	0.028	0.0129	
960 minute summer	PP-S12	8.000_1	S12	0.8	0.702	0.009	0.0057	
960 minute summer	PP-S14	11.000_1	S14	0.1	0.337	0.001	0.0008	
960 minute summer	PP-S2	10.000_1	S2	1.1	0.772	0.012	0.0070	
960 minute summer	PP-S15	12.000_1	S15	0.9	0.746	0.010	0.0060	
960 minute summer	PP-S75	13.000_1	S75	0.8	0.743	0.008	0.0054	
960 minute summer	PP-S24	14.000_1	S92	2.1	1.020	0.020	0.0103	
960 minute summer	PP-S30	18.000_1	S30	0.8	0.807	0.007	0.0049	
960 minute summer	PP-S33	20.000_1	S33	0.9	0.852	0.008	0.0053	
960 minute summer	PP-S34	21.000_1	S34	1.8	1.079	0.015	0.0083	
960 minute summer	PP-S35	22.000_2	S35	0.3	0.658	0.002	0.0023	
960 minute summer	PP-S36	23.000_2	S36	1.4	1.002	0.012	0.0070	

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Results for 30 year 960 minute winter. 2400 minute analysis at 15 minute timestep. Mass balance: 99.92%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute winter	S26	540	-0.058	0.180	0.8	0.3186	0.0000	OK
960 minute winter	S25	540	-0.058	0.186	0.7	0.4742	0.0000	OK
960 minute winter	S16	540	-0.058	0.209	5.4	0.9280	0.0000	OK
960 minute winter	S145	540	-0.058	0.257	10.4	1.1045	0.0000	OK
960 minute winter	S4	540	-0.059	0.184	1.1	0.3256	0.0000	OK
960 minute winter	S5	540	-0.059	0.225	2.5	0.3979	0.0000	OK
960 minute winter	S9	540	-0.059	0.237	0.9	0.5463	0.0000	OK
960 minute winter	S10	540	-0.059	0.262	0.8	0.4631	0.0000	OK
960 minute winter	S11	540	-0.059	0.267	3.4	0.4719	0.0000	OK
960 minute winter	S12	540	-0.059	0.276	4.0	0.4877	0.0000	OK
960 minute winter	S1	540	-0.058	0.206	3.4	0.4848	0.0000	OK
960 minute winter	S3	540	-0.058	0.249	5.6	0.7948	0.0000	OK
960 minute winter	S2	540	-0.059	0.277	6.3	0.4897	0.0000	OK
960 minute winter	S14	540	-0.059	0.250	0.3	0.4416	0.0000	OK
960 minute winter	S15	540	-0.059	0.287	13.5	1.2914	0.0000	OK
960 minute winter	S75	540	-0.060	0.302	24.1	0.7679	0.0000	OK
960 minute winter	S87	540	-0.062	0.224	2.4	0.7252	0.0000	OK
960 minute winter	S88	540	-0.063	0.245	4.7	0.8005	0.0000	OK
960 minute winter	S89	540	-0.063	0.267	6.9	0.8662	0.0000	OK
960 minute winter	S90	540	-0.063	0.289	9.0	0.9200	0.0000	OK
960 minute winter	S92	540	-0.064	0.315	34.2	0.8022	0.0000	OK
960 minute winter	S81	540	-0.068	0.234	2.4	0.7541	0.0000	OK
960 minute winter	S82	540	-0.069	0.255	4.7	0.8296	0.0000	OK
960 minute winter	S83	540	-0.069	0.276	6.9	0.8919	0.0000	OK
960 minute winter	S84	540	-0.069	0.298	9.0	0.9450	0.0000	OK
960 minute winter	S86	540	-0.070	0.323	42.9	0.8229	0.0000	OK
960 minute winter	S76	540	-0.077	0.240	2.4	0.7701	0.0000	OK
960 minute winter	S77	540	-0.078	0.261	4.7	0.8454	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	0.7	0.044	0.010	3.8179	
960 minute winter	S25	2.000	S16	0.6	0.036	0.009	3.1068	
960 minute winter	S16	1.001	S145	5.1	0.125	0.071	7.8364	
960 minute winter	S145	1.002	S75	10.1	0.145	0.143	9.7684	
960 minute winter	S4	3.000	S5	1.0	0.078	0.014	5.8070	
960 minute winter	S5	3.001	S11	2.5	0.105	0.035	7.3360	
960 minute winter	S9	4.000	S10	0.8	0.089	0.012	4.5924	
960 minute winter	S10	4.001	S11	0.9	0.092	0.012	0.8427	
960 minute winter	S11	3.002	S12	3.6	0.054	0.051	1.8133	
960 minute winter	S12	3.003	S15	4.2	0.052	0.060	2.4249	
960 minute winter	S1	5.000	S3	3.4	0.106	0.048	6.8422	
960 minute winter	S3	5.001	S2	5.5	0.119	0.077	5.5707	
960 minute winter	S2	5.002	S15	6.2	0.089	0.091	2.2543	
960 minute winter	S14	6.000	S15	-0.3	-0.025	-0.004	7.3817	
960 minute winter	S15	3.004	S75	13.6	0.135	0.190	3.4423	
960 minute winter	S75	1.003	S92	24.1	0.213	0.339	3.9013	
960 minute winter	S87	7.000	S88	2.3	0.097	0.032	3.6226	
960 minute winter	S88	7.001	S89	4.5	0.128	0.063	4.0459	
960 minute winter	S89	7.002	S90	6.7	0.150	0.094	4.4601	
960 minute winter	S90	7.003	S92	8.9	0.152	0.126	6.1658	
960 minute winter	S92	1.005	S86	34.3	0.285	0.482	3.3469	
960 minute winter	S81	8.000	S82	2.3	0.094	0.032	3.8168	
960 minute winter	S82	8.001	S83	4.5	0.125	0.064	4.2286	
960 minute winter	S83	8.002	S84	6.7	0.142	0.094	4.6302	
960 minute winter	S84	8.003	S86	8.9	0.145	0.125	6.0351	
960 minute winter	S86	1.006	S30	42.9	0.349	0.605	3.4268	
960 minute winter	S76	9.000	S77	2.3	0.095	0.032	3.9328	
960 minute winter	S77	9.001	S78	4.5	0.124	0.063	4.3525	

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Results for 30 year 960 minute winter. 2400 minute analysis at 15 minute timestep. Mass balance: 99.92%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute winter	S78	540	-0.078	0.283	6.9	0.9105	0.0000	OK
960 minute winter	S79	540	-0.078	0.304	9.0	0.9602	0.0000	OK
960 minute winter	S30	540	-0.079	0.328	52.1	0.8358	0.0000	OK
960 minute winter	S31	540	-0.092	0.244	2.6	0.8066	0.0000	OK
960 minute winter	S32	540	-0.093	0.286	4.7	0.8846	0.0000	OK
960 minute winter	S33	540	-0.093	0.330	57.1	0.8404	0.0000	OK
960 minute winter	S34	540	-0.110	0.329	58.3	0.5810	0.0000	OK
960 minute winter	S35	540	-0.137	0.329	58.5	0.5819	0.0000	OK
960 minute winter	S36	540	-0.147	0.295	1.0	0.5206	0.0000	OK
960 minute winter	S37	540	-0.147	0.324	63.3	1.5910	0.0000	OK
960 minute winter	S38	540	-0.199	0.317	63.3	0.5595	0.0000	OK
960 minute winter	S39	540	-0.255	0.307	63.3	0.5419	0.0000	OK
960 minute winter	S56	540	-0.269	0.290	0.1	0.5126	0.0000	OK
960 minute winter	S57	540	-0.269	0.296	63.3	0.7535	0.0000	OK
960 minute winter	S125	555	-0.298	0.257	0.6	0.4546	0.0000	OK
960 minute winter	S127	555	-0.298	0.281	63.2	0.7159	0.0000	OK
960 minute winter	S119	1890	-0.317	0.252	0.2	0.4451	0.0000	OK
960 minute winter	S60	2370	-0.317	0.276	63.2	0.7020	0.0000	OK
960 minute winter	Pond Inlet 1	1575	-0.317	0.293	63.1	0.5173	0.0000	OK
960 minute winter	Pond Outlet	2250	-0.317	0.293	31.6	0.3311	0.0000	OK
960 minute winter	S13	1815	-0.317	0.321	0.1	1.1113	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	495	0.522	0.022	0.8	0.4772	0.0000	OK
960 minute winter	PP-S25	495	0.518	0.018	0.7	0.2872	0.0000	OK
960 minute winter	PP-S16	495	0.521	0.021	1.2	0.4350	0.0000	OK
960 minute winter	PP-S145	510	0.520	0.020	1.3	0.4037	0.0000	OK
960 minute winter	PP-S4	495	0.522	0.022	1.1	0.4604	0.0000	OK
960 minute winter	PP-S1	525	0.531	0.031	2.7	7.4354	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	6.7	0.131	0.096	4.7516	
960 minute winter	S79	9.003	S30	8.9	0.138	0.123	5.7735	
960 minute winter	S30	1.007	S33	52.1	0.420	0.732	3.9395	
960 minute winter	S31	10.000	S32	2.4	0.101	0.034	8.3718	
960 minute winter	S32	10.001	S33	4.3	0.104	0.061	9.9738	
960 minute winter	S33	1.008	S34	57.1	0.459	0.809	4.0124	
960 minute winter	S34	1.009	S35	58.3	0.470	0.821	6.6719	
960 minute winter	S35	1.010	S37	58.5	0.475	0.881	1.3953	
960 minute winter	S36	11.000	S37	1.0	-0.044	0.014	6.6762	
960 minute winter	S37	1.011	S38	63.3	0.526	0.896	10.9088	
960 minute winter	S38	1.012	S39	63.3	0.541	0.886	10.5936	
960 minute winter	S39	1.013	S57	63.3	0.562	0.998	0.8413	
960 minute winter	S56	12.011	S57	-0.1	-0.036	-0.002	1.4243	
960 minute winter	S57	1.014	S127	63.2	0.591	0.894	3.0154	
960 minute winter	S125	21.003	S127	-0.6	-0.108	-0.009	4.8806	
960 minute winter	S127	1.015	S60	63.2	0.641	0.887	2.7547	
960 minute winter	S119	22.003	S60	-0.2	-0.039	-0.003	4.7627	
960 minute winter	S60	1.016	Pond Inlet 1	63.1	0.775	0.833	3.1482	
960 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	31.6	0.015	0.001	1540.7784	
960 minute winter	Pond Outlet	1.018	S13	0.1	0.144	0.002	0.4764	
960 minute winter	S13	Pump	Final Outfall	0.0				0.0
960 minute winter	PP-S26	1.000_1	S26	0.8	0.390	0.021	0.0203	
960 minute winter	PP-S25	2.000_1	S25	0.7	0.490	0.012	0.0071	
960 minute winter	PP-S16	3.000_1	S16	1.2	0.646	0.018	0.0093	
960 minute winter	PP-S145	4.000_2	S145	1.3	0.775	0.015	0.0084	
960 minute winter	PP-S4	1.000_2	S4	1.1	0.559	0.019	0.0098	
960 minute winter	PP-S1	4.000_1	S1	2.5	0.795	0.038	0.0160	

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Results for 30 year 960 minute winter. 2400 minute analysis at 15 minute timestep. Mass balance: 99.92%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute winter	PP-S5	495	0.523	0.023	1.6	0.5781	0.0000	OK
960 minute winter	PP-S12	510	0.513	0.013	0.6	0.2554	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	0.515	0.015	0.8	0.5182	0.0000	OK
960 minute winter	PP-S15	495	0.514	0.014	0.7	0.2010	0.0000	OK
960 minute winter	PP-S75	510	0.513	0.013	0.6	0.1933	0.0000	OK
960 minute winter	PP-S24	495	0.520	0.020	1.6	0.5029	0.0000	OK
960 minute winter	PP-S30	525	0.512	0.012	0.6	0.1832	0.0000	OK
960 minute winter	PP-S33	510	0.513	0.013	0.7	0.1703	0.0000	OK
960 minute winter	PP-S34	525	0.517	0.017	1.3	0.4027	0.0000	OK
960 minute winter	PP-S35	480	0.507	0.007	0.2	0.0626	0.0000	OK
960 minute winter	PP-S36	495	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)
960 minute winter	PP-S5	2.000_2	S5	1.6	0.750	0.022	0.0107	
960 minute winter	PP-S12	8.000_1	S12	0.6	0.643	0.007	0.0047	
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	0.8	0.704	0.009	0.0057	
960 minute winter	PP-S15	12.000_1	S15	0.7	0.691	0.007	0.0051	
960 minute winter	PP-S75	13.000_1	S75	0.6	0.681	0.006	0.0044	
960 minute winter	PP-S24	14.000_1	S92	1.6	0.944	0.016	0.0085	
960 minute winter	PP-S30	18.000_1	S30	0.6	0.741	0.005	0.0041	
960 minute winter	PP-S33	20.000_1	S33	0.7	0.790	0.006	0.0044	
960 minute winter	PP-S34	21.000_1	S34	1.3	0.976	0.011	0.0067	
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	1.0	0.906	0.008	0.0055	

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Results for 30 year 1440 minute summer. 2880 minute analysis at 30 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
1440 minute summer	S26	780	-0.079	0.159	0.7	0.2802	0.0000	OK
1440 minute summer	S25	780	-0.079	0.165	0.6	0.4188	0.0000	OK
1440 minute summer	S16	780	-0.079	0.188	5.0	0.8315	0.0000	OK
1440 minute summer	S145	780	-0.080	0.235	9.7	1.0104	0.0000	OK
1440 minute summer	S4	780	-0.081	0.162	1.0	0.2870	0.0000	OK
1440 minute summer	S5	780	-0.081	0.203	2.3	0.3594	0.0000	OK
1440 minute summer	S9	780	-0.081	0.215	0.8	0.4959	0.0000	OK
1440 minute summer	S10	780	-0.081	0.240	0.7	0.4245	0.0000	OK
1440 minute summer	S11	780	-0.081	0.245	3.1	0.4333	0.0000	OK
1440 minute summer	S12	780	-0.081	0.254	3.7	0.4491	0.0000	OK
1440 minute summer	S1	780	-0.080	0.184	3.2	0.4336	0.0000	OK
1440 minute summer	S3	780	-0.080	0.227	5.2	0.7251	0.0000	OK
1440 minute summer	S2	780	-0.081	0.255	5.7	0.4511	0.0000	OK
1440 minute summer	S14	780	-0.081	0.228	0.3	0.4030	0.0000	OK
1440 minute summer	S15	780	-0.081	0.265	12.4	1.1930	0.0000	OK
1440 minute summer	S75	780	-0.082	0.280	22.1	0.7121	0.0000	OK
1440 minute summer	S87	780	-0.084	0.202	2.3	0.6537	0.0000	OK
1440 minute summer	S88	780	-0.085	0.223	4.5	0.7287	0.0000	OK
1440 minute summer	S89	780	-0.085	0.245	6.5	0.7948	0.0000	OK
1440 minute summer	S90	780	-0.085	0.267	8.5	0.8499	0.0000	OK
1440 minute summer	S92	780	-0.086	0.293	31.1	0.7462	0.0000	OK
1440 minute summer	S81	780	-0.090	0.212	2.3	0.6831	0.0000	OK
1440 minute summer	S82	780	-0.090	0.234	4.5	0.7582	0.0000	OK
1440 minute summer	S83	780	-0.091	0.254	6.5	0.8209	0.0000	OK
1440 minute summer	S84	780	-0.091	0.276	8.5	0.8753	0.0000	OK
1440 minute summer	S86	780	-0.092	0.301	38.9	0.7670	0.0000	OK
1440 minute summer	S76	780	-0.099	0.218	2.3	0.7001	0.0000	OK
1440 minute summer	S77	780	-0.099	0.240	4.5	0.7750	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	0.7	0.043	0.009	3.2621	
1440 minute summer	S25	2.000	S16	0.5	0.041	0.008	2.6620	
1440 minute summer	S16	1.001	S145	4.6	0.126	0.065	6.9157	
1440 minute summer	S145	1.002	S75	9.2	0.134	0.130	8.8610	
1440 minute summer	S4	3.000	S5	0.9	0.074	0.013	5.0088	
1440 minute summer	S5	3.001	S11	2.2	0.088	0.031	6.5301	
1440 minute summer	S9	4.000	S10	0.7	0.086	0.010	4.0954	
1440 minute summer	S10	4.001	S11	0.8	0.098	0.011	0.7582	
1440 minute summer	S11	3.002	S12	3.4	0.062	0.048	1.6377	
1440 minute summer	S12	3.003	S15	3.8	0.051	0.055	2.2017	
1440 minute summer	S1	5.000	S3	3.1	0.108	0.043	6.0142	
1440 minute summer	S3	5.001	S2	5.0	0.104	0.071	5.0086	
1440 minute summer	S2	5.002	S15	5.8	0.090	0.085	2.0474	
1440 minute summer	S14	6.000	S15	-0.3	0.016	-0.005	6.6577	
1440 minute summer	S15	3.004	S75	12.4	0.134	0.174	3.1452	
1440 minute summer	S75	1.003	S92	22.1	0.213	0.311	3.5869	
1440 minute summer	S87	7.000	S88	2.2	0.092	0.030	3.1945	
1440 minute summer	S88	7.001	S89	4.2	0.109	0.059	3.6192	
1440 minute summer	S89	7.002	S90	6.2	0.127	0.087	4.0394	
1440 minute summer	S90	7.003	S92	8.2	0.111	0.117	5.6517	
1440 minute summer	S92	1.005	S86	31.2	0.281	0.439	3.0918	
1440 minute summer	S81	8.000	S82	2.2	0.087	0.030	3.3898	
1440 minute summer	S82	8.001	S83	4.2	0.108	0.060	3.8050	
1440 minute summer	S83	8.002	S84	6.2	0.126	0.087	4.2140	
1440 minute summer	S84	8.003	S86	8.2	0.107	0.116	5.5552	
1440 minute summer	S86	1.006	S30	39.0	0.342	0.549	3.1767	
1440 minute summer	S76	9.000	S77	2.2	0.083	0.030	3.5105	
1440 minute summer	S77	9.001	S78	4.2	0.108	0.059	3.9350	

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Results for 30 year 1440 minute summer. 2880 minute analysis at 30 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
1440 minute summer	S78	780	-0.099	0.262	6.5	0.8406	0.0000	OK
1440 minute summer	S79	780	-0.100	0.282	8.5	0.8915	0.0000	OK
1440 minute summer	S30	780	-0.100	0.307	47.3	0.7805	0.0000	OK
1440 minute summer	S31	780	-0.114	0.222	2.5	0.7362	0.0000	OK
1440 minute summer	S32	780	-0.114	0.265	4.4	0.8189	0.0000	OK
1440 minute summer	S33	780	-0.114	0.309	51.9	0.7863	0.0000	OK
1440 minute summer	S34	780	-0.131	0.308	53.1	0.5442	0.0000	OK
1440 minute summer	S35	780	-0.157	0.309	53.4	0.5466	0.0000	OK
1440 minute summer	S36	780	-0.167	0.275	1.0	0.4859	0.0000	OK
1440 minute summer	S37	780	-0.167	0.304	57.6	1.4944	0.0000	OK
1440 minute summer	S38	780	-0.217	0.299	57.7	0.5275	0.0000	OK
1440 minute summer	S39	780	-0.271	0.291	57.7	0.5134	0.0000	OK
1440 minute summer	S56	780	-0.284	0.275	0.1	0.4853	0.0000	OK
1440 minute summer	S57	780	-0.284	0.281	57.7	0.7142	0.0000	OK
1440 minute summer	S125	780	-0.313	0.242	0.4	0.4285	0.0000	OK
1440 minute summer	S127	780	-0.313	0.266	57.7	0.6782	0.0000	OK
1440 minute summer	S119	2040	-0.324	0.245	0.4	0.4327	0.0000	OK
1440 minute summer	S60	2670	-0.324	0.269	57.6	0.6841	0.0000	OK
1440 minute summer	Pond Inlet 1	1980	-0.324	0.286	57.5	0.5049	0.0000	OK
1440 minute summer	Pond Outlet	2880	-0.324	0.286	28.8	0.3232	0.0000	OK
1440 minute summer	S13	2880	-0.324	0.314	0.1	1.0871	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	0.521	0.021	0.7	0.4260	0.0000	OK
1440 minute summer	PP-S25	750	0.516	0.016	0.6	0.2510	0.0000	OK
1440 minute summer	PP-S16	750	0.520	0.020	1.1	0.4026	0.0000	OK
1440 minute summer	PP-S145	750	0.520	0.020	1.3	0.4037	0.0000	OK
1440 minute summer	PP-S4	750	0.521	0.021	1.0	0.4229	0.0000	OK
1440 minute summer	PP-S1	750	0.530	0.030	2.6	6.9942	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	6.2	0.126	0.089	4.3425	
1440 minute summer	S79	9.003	S30	8.3	0.102	0.115	5.3322	
1440 minute summer	S30	1.007	S33	47.3	0.410	0.665	3.6618	
1440 minute summer	S31	10.000	S32	2.2	0.080	0.032	7.5593	
1440 minute summer	S32	10.001	S33	4.0	0.069	0.056	9.1995	
1440 minute summer	S33	1.008	S34	52.0	0.449	0.737	3.7361	
1440 minute summer	S34	1.009	S35	53.2	0.459	0.748	6.2253	
1440 minute summer	S35	1.010	S37	53.4	0.464	0.803	1.3033	
1440 minute summer	S36	11.000	S37	0.8	0.032	0.012	6.1989	
1440 minute summer	S37	1.011	S38	57.7	0.511	0.816	10.2003	
1440 minute summer	S38	1.012	S39	57.7	0.525	0.807	9.9415	
1440 minute summer	S39	1.013	S57	57.7	0.544	0.910	0.7909	
1440 minute summer	S56	12.011	S57	-0.1	-0.007	-0.001	1.3373	
1440 minute summer	S57	1.014	S127	57.7	0.572	0.815	2.8311	
1440 minute summer	S125	21.003	S127	-0.4	-0.054	-0.006	4.5576	
1440 minute summer	S127	1.015	S60	57.6	0.620	0.809	2.6491	
1440 minute summer	S119	22.003	S60	-0.4	-0.090	-0.005	4.6093	
1440 minute summer	S60	1.016	Pond Inlet 1	57.5	0.746	0.760	3.0574	
1440 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	28.8	0.011	0.001	1502.0403	
1440 minute summer	Pond Outlet	1.018	S13	0.1	0.084	0.001	0.4739	
1440 minute summer	S13	Pump	Final Outfall	0.0				0.0
1440 minute summer	PP-S26	1.000_1	S26	0.7	0.375	0.018	0.0186	
1440 minute summer	PP-S25	2.000_1	S25	0.6	0.468	0.010	0.0064	
1440 minute summer	PP-S16	3.000_1	S16	1.1	0.631	0.016	0.0087	
1440 minute summer	PP-S145	4.000_2	S145	1.3	0.775	0.015	0.0084	
1440 minute summer	PP-S4	1.000_2	S4	1.0	0.544	0.018	0.0092	
1440 minute summer	PP-S1	4.000_1	S1	2.3	0.776	0.035	0.0151	

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Results for 30 year 1440 minute summer. 2880 minute analysis at 30 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
1440 minute summer	PP-S5	750	0.523	0.023	1.5	0.5449	0.0000	OK
1440 minute summer	PP-S12	780	0.512	0.012	0.5	0.2155	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	0.515	0.015	0.8	0.5173	0.0000	OK
1440 minute summer	PP-S15	750	0.513	0.013	0.6	0.1740	0.0000	OK
1440 minute summer	PP-S75	750	0.513	0.013	0.6	0.1933	0.0000	OK
1440 minute summer	PP-S24	750	0.519	0.019	1.5	0.4739	0.0000	OK
1440 minute summer	PP-S30	750	0.512	0.012	0.6	0.1832	0.0000	OK
1440 minute summer	PP-S33	750	0.513	0.013	0.7	0.1703	0.0000	OK
1440 minute summer	PP-S34	750	0.517	0.017	1.3	0.4027	0.0000	OK
1440 minute summer	PP-S35	780	0.507	0.007	0.2	0.0626	0.0000	OK
1440 minute summer	PP-S36	750	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)
1440 minute summer	PP-S5	2.000_2	S5	1.5	0.736	0.020	0.0102	
1440 minute summer	PP-S12	8.000_1	S12	0.5	0.609	0.005	0.0041	
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	0.8	0.704	0.009	0.0057	
1440 minute summer	PP-S15	12.000_1	S15	0.6	0.659	0.006	0.0046	
1440 minute summer	PP-S75	13.000_1	S75	0.6	0.681	0.006	0.0044	
1440 minute summer	PP-S24	14.000_1	S92	1.5	0.925	0.015	0.0081	
1440 minute summer	PP-S30	18.000_1	S30	0.6	0.741	0.005	0.0041	
1440 minute summer	PP-S33	20.000_1	S33	0.7	0.790	0.006	0.0044	
1440 minute summer	PP-S34	21.000_1	S34	1.3	0.976	0.011	0.0067	
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	1.0	0.906	0.008	0.0055	

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Results for 30 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	-0.115	0.123	0.5	0.2175	0.0000	OK
1440 minute winter	S25	780	-0.115	0.129	0.5	0.3285	0.0000	OK
1440 minute winter	S16	780	-0.115	0.152	3.9	0.6742	0.0000	OK
1440 minute winter	S145	780	-0.116	0.199	7.7	0.8564	0.0000	OK
1440 minute winter	S4	780	-0.117	0.126	0.8	0.2234	0.0000	OK
1440 minute winter	S5	780	-0.117	0.167	1.8	0.2957	0.0000	OK
1440 minute winter	S9	780	-0.117	0.179	0.6	0.4129	0.0000	OK
1440 minute winter	S10	780	-0.117	0.204	0.6	0.3608	0.0000	OK
1440 minute winter	S11	780	-0.117	0.209	2.5	0.3696	0.0000	OK
1440 minute winter	S12	780	-0.117	0.218	2.9	0.3854	0.0000	OK
1440 minute winter	S1	780	-0.116	0.148	2.5	0.3491	0.0000	OK
1440 minute winter	S3	780	-0.116	0.191	4.2	0.6100	0.0000	OK
1440 minute winter	S2	780	-0.117	0.219	4.6	0.3874	0.0000	OK
1440 minute winter	S14	780	-0.117	0.192	0.1	0.3393	0.0000	OK
1440 minute winter	S15	780	-0.117	0.229	10.1	1.0309	0.0000	OK
1440 minute winter	S75	780	-0.118	0.244	18.1	0.6205	0.0000	OK
1440 minute winter	S87	780	-0.120	0.166	1.7	0.5383	0.0000	OK
1440 minute winter	S88	780	-0.120	0.188	3.5	0.6125	0.0000	OK
1440 minute winter	S89	780	-0.120	0.210	5.2	0.6791	0.0000	OK
1440 minute winter	S90	780	-0.121	0.231	6.8	0.7359	0.0000	OK
1440 minute winter	S92	780	-0.122	0.257	25.9	0.6549	0.0000	OK
1440 minute winter	S81	780	-0.126	0.176	1.7	0.5685	0.0000	OK
1440 minute winter	S82	780	-0.126	0.198	3.5	0.6428	0.0000	OK
1440 minute winter	S83	780	-0.126	0.219	5.2	0.7060	0.0000	OK
1440 minute winter	S84	780	-0.127	0.240	6.8	0.7622	0.0000	OK
1440 minute winter	S86	780	-0.127	0.266	32.6	0.6761	0.0000	OK
1440 minute winter	S76	780	-0.135	0.182	1.7	0.5865	0.0000	OK
1440 minute winter	S77	780	-0.135	0.204	3.5	0.6607	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	0.044	0.008	2.3861	
1440 minute winter	S25	2.000	S16	0.5	0.037	0.007	1.9591	
1440 minute winter	S16	1.001	S145	3.8	0.124	0.054	5.4271	
1440 minute winter	S145	1.002	S75	7.6	0.124	0.108	7.3488	
1440 minute winter	S4	3.000	S5	0.7	0.074	0.010	3.7270	
1440 minute winter	S5	3.001	S11	1.8	0.098	0.025	5.2038	
1440 minute winter	S9	4.000	S10	0.6	0.079	0.009	3.2761	
1440 minute winter	S10	4.001	S11	0.7	0.058	0.009	0.6177	
1440 minute winter	S11	3.002	S12	2.6	0.068	0.037	1.3448	
1440 minute winter	S12	3.003	S15	3.0	0.047	0.043	1.8273	
1440 minute winter	S1	5.000	S3	2.5	0.105	0.035	4.6650	
1440 minute winter	S3	5.001	S2	4.0	0.106	0.057	4.0747	
1440 minute winter	S2	5.002	S15	4.6	0.080	0.068	1.7002	
1440 minute winter	S14	6.000	S15	-0.1	-0.012	-0.002	5.4521	
1440 minute winter	S15	3.004	S75	10.1	0.128	0.142	2.6440	
1440 minute winter	S75	1.003	S92	18.1	0.205	0.255	3.0548	
1440 minute winter	S87	7.000	S88	1.7	0.093	0.024	2.5094	
1440 minute winter	S88	7.001	S89	3.4	0.118	0.047	2.9271	
1440 minute winter	S89	7.002	S90	5.1	0.123	0.071	3.3463	
1440 minute winter	S90	7.003	S92	6.7	0.144	0.095	4.7894	
1440 minute winter	S92	1.005	S86	25.9	0.271	0.364	2.6586	
1440 minute winter	S81	8.000	S82	1.7	0.087	0.024	2.7026	
1440 minute winter	S82	8.001	S83	3.4	0.111	0.048	3.1139	
1440 minute winter	S83	8.002	S84	5.1	0.113	0.071	3.5252	
1440 minute winter	S84	8.003	S86	6.7	0.143	0.095	4.7461	
1440 minute winter	S86	1.006	S30	32.6	0.331	0.459	2.7481	
1440 minute winter	S76	9.000	S77	1.7	0.088	0.024	2.8251	
1440 minute winter	S77	9.001	S78	3.4	0.107	0.047	3.2480	

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Results for 30 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	-0.135	0.226	5.2	0.7267	0.0000	OK
1440 minute winter	S79	780	-0.135	0.247	6.8	0.7794	0.0000	OK
1440 minute winter	S30	780	-0.136	0.271	39.7	0.6901	0.0000	OK
1440 minute winter	S31	780	-0.149	0.187	1.9	0.6197	0.0000	OK
1440 minute winter	S32	780	-0.149	0.230	3.4	0.7102	0.0000	OK
1440 minute winter	S33	780	-0.149	0.274	43.5	0.6967	0.0000	OK
1440 minute winter	S34	780	-0.166	0.273	44.4	0.4830	0.0000	OK
1440 minute winter	S35	780	-0.190	0.276	44.5	0.4871	0.0000	OK
1440 minute winter	S36	780	-0.200	0.242	0.7	0.4277	0.0000	OK
1440 minute winter	S37	780	-0.200	0.271	48.2	1.3325	0.0000	OK
1440 minute winter	S38	810	-0.248	0.268	48.1	0.4739	0.0000	OK
1440 minute winter	S39	2640	-0.294	0.268	48.1	0.4744	0.0000	OK
1440 minute winter	S56	1650	-0.294	0.265	0.2	0.4691	0.0000	OK
1440 minute winter	S57	2520	-0.294	0.271	48.0	0.6909	0.0000	OK
1440 minute winter	S125	1740	-0.294	0.261	0.1	0.4620	0.0000	OK
1440 minute winter	S127	1740	-0.294	0.285	48.0	0.7264	0.0000	OK
1440 minute winter	S119	2640	-0.294	0.275	0.1	0.4868	0.0000	OK
1440 minute winter	S60	2640	-0.294	0.299	47.9	0.7620	0.0000	OK
1440 minute winter	Pond Inlet 1	2100	-0.294	0.316	47.8	0.5589	0.0000	OK
1440 minute winter	Pond Outlet	2250	-0.294	0.316	23.9	0.3577	0.0000	SURCHARGED
1440 minute winter	S13	2700	-0.294	0.344	0.1	1.1930	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	0.518	0.018	0.5	0.3152	0.0000	OK
1440 minute winter	PP-S25	780	0.515	0.015	0.5	0.2142	0.0000	OK
1440 minute winter	PP-S16	750	0.517	0.017	0.8	0.3008	0.0000	OK
1440 minute winter	PP-S145	750	0.518	0.018	1.0	0.3175	0.0000	OK
1440 minute winter	PP-S4	750	0.519	0.019	0.8	0.3445	0.0000	OK
1440 minute winter	PP-S1	780	0.527	0.027	1.9	5.9088	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	5.1	0.114	0.073	3.6599	
1440 minute winter	S79	9.003	S30	6.7	0.132	0.094	4.5815	
1440 minute winter	S30	1.007	S33	39.7	0.395	0.558	3.1806	
1440 minute winter	S31	10.000	S32	1.8	0.094	0.026	6.2042	
1440 minute winter	S32	10.001	S33	3.3	0.118	0.047	7.8708	
1440 minute winter	S33	1.008	S34	43.5	0.431	0.617	3.2528	
1440 minute winter	S34	1.009	S35	44.4	0.438	0.625	5.4394	
1440 minute winter	S35	1.010	S37	44.5	0.441	0.669	1.1414	
1440 minute winter	S36	11.000	S37	0.7	0.031	0.010	5.3702	
1440 minute winter	S37	1.011	S38	48.1	0.486	0.681	8.9597	
1440 minute winter	S38	1.012	S39	48.1	0.493	0.673	8.8477	
1440 minute winter	S39	1.013	S57	48.0	0.507	0.758	0.7402	
1440 minute winter	S56	12.011	S57	-0.2	-0.029	-0.002	1.2850	
1440 minute winter	S57	1.014	S127	48.0	0.531	0.678	2.8910	
1440 minute winter	S125	21.003	S127	-0.1	-0.008	-0.001	4.9706	
1440 minute winter	S127	1.015	S60	47.9	0.572	0.672	3.0186	
1440 minute winter	S119	22.003	S60	-0.1	-0.008	-0.001	5.2705	
1440 minute winter	S60	1.016	Pond Inlet 1	47.8	0.682	0.631	3.4476	
1440 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	23.9	0.013	0.000	1671.5905	
1440 minute winter	Pond Outlet	1.018	S13	-0.1	0.114	-0.001	0.4779	
1440 minute winter	S13	Pump	Final Outfall	0.0				0.0
1440 minute winter	PP-S26	1.000_1	S26	0.5	0.345	0.013	0.0145	
1440 minute winter	PP-S25	2.000_1	S25	0.5	0.444	0.009	0.0056	
1440 minute winter	PP-S16	3.000_1	S16	0.8	0.571	0.012	0.0070	
1440 minute winter	PP-S145	4.000_2	S145	1.0	0.714	0.012	0.0070	
1440 minute winter	PP-S4	1.000_2	S4	0.8	0.509	0.014	0.0079	
1440 minute winter	PP-S1	4.000_1	S1	1.9	0.726	0.028	0.0129	

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Results for 30 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	780	0.520	0.020	1.1	0.4106	0.0000	OK
1440 minute winter	PP-S12	750	0.511	0.011	0.4	0.1762	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	0.513	0.013	0.6	0.3945	0.0000	OK
1440 minute winter	PP-S15	780	0.512	0.012	0.5	0.1473	0.0000	OK
1440 minute winter	PP-S75	750	0.512	0.012	0.5	0.1636	0.0000	OK
1440 minute winter	PP-S24	780	0.517	0.017	1.1	0.3578	0.0000	OK
1440 minute winter	PP-S30	690	0.510	0.010	0.4	0.1284	0.0000	OK
1440 minute winter	PP-S33	720	0.511	0.011	0.5	0.1260	0.0000	OK
1440 minute winter	PP-S34	750	0.515	0.015	1.0	0.3205	0.0000	OK
1440 minute winter	PP-S35	540	0.505	0.005	0.1	0.0345	0.0000	OK
1440 minute winter	PP-S36	720	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)
1440 minute winter	PP-S5	2.000_2	S5	1.1	0.673	0.015	0.0082	
1440 minute winter	PP-S12	8.000_1	S12	0.4	0.571	0.004	0.0035	
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	0.6	0.645	0.007	0.0047	
1440 minute winter	PP-S15	12.000_1	S15	0.5	0.625	0.005	0.0040	
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	1.1	0.840	0.011	0.0065	
1440 minute winter	PP-S30	18.000_1	S30	0.4	0.660	0.004	0.0030	
1440 minute winter	PP-S33	20.000_1	S33	0.5	0.716	0.004	0.0035	
1440 minute winter	PP-S34	21.000_1	S34	1.0	0.902	0.008	0.0055	
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	0.7	0.812	0.006	0.0043	

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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	-0.132	0.106	0.5	0.1866	0.0000	OK
2160 minute summer	S25	1140	-0.132	0.112	0.4	0.2840	0.0000	OK
2160 minute summer	S16	1140	-0.132	0.135	3.6	0.5967	0.0000	OK
2160 minute summer	S145	1140	-0.134	0.181	7.2	0.7803	0.0000	OK
2160 minute summer	S4	1140	-0.134	0.109	0.7	0.1919	0.0000	OK
2160 minute summer	S5	1140	-0.135	0.149	1.7	0.2642	0.0000	OK
2160 minute summer	S9	1140	-0.135	0.161	0.6	0.3717	0.0000	OK
2160 minute summer	S10	1140	-0.135	0.186	0.6	0.3292	0.0000	OK
2160 minute summer	S11	1140	-0.135	0.191	2.3	0.3380	0.0000	OK
2160 minute summer	S12	1140	-0.135	0.200	2.8	0.3538	0.0000	OK
2160 minute summer	S1	1140	-0.133	0.131	2.3	0.3075	0.0000	OK
2160 minute summer	S3	1140	-0.134	0.173	3.9	0.5532	0.0000	OK
2160 minute summer	S2	1140	-0.135	0.201	4.3	0.3559	0.0000	OK
2160 minute summer	S14	1140	-0.135	0.174	0.2	0.3077	0.0000	OK
2160 minute summer	S15	1140	-0.135	0.211	9.2	0.9504	0.0000	OK
2160 minute summer	S75	1140	-0.136	0.226	16.4	0.5749	0.0000	OK
2160 minute summer	S87	1140	-0.138	0.148	1.6	0.4805	0.0000	OK
2160 minute summer	S88	1140	-0.138	0.170	3.2	0.5543	0.0000	OK
2160 minute summer	S89	1140	-0.138	0.192	4.7	0.6211	0.0000	OK
2160 minute summer	S90	1140	-0.139	0.213	6.2	0.6787	0.0000	OK
2160 minute summer	S92	1140	-0.140	0.239	23.5	0.6091	0.0000	OK
2160 minute summer	S81	1140	-0.144	0.158	1.6	0.5106	0.0000	OK
2160 minute summer	S82	1140	-0.144	0.180	3.2	0.5845	0.0000	OK
2160 minute summer	S83	1140	-0.144	0.201	4.7	0.6480	0.0000	OK
2160 minute summer	S84	1140	-0.145	0.222	6.2	0.7051	0.0000	OK
2160 minute summer	S86	1140	-0.145	0.248	29.5	0.6302	0.0000	OK
2160 minute summer	S76	1140	-0.152	0.165	1.6	0.5289	0.0000	OK
2160 minute summer	S77	1140	-0.153	0.186	3.2	0.6027	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	0.5	0.047	0.007	1.9757	
2160 minute summer	S25	2.000	S16	0.4	0.042	0.005	1.6291	
2160 minute summer	S16	1.001	S145	3.5	0.122	0.048	4.7097	
2160 minute summer	S145	1.002	S75	7.0	0.122	0.099	6.5974	
2160 minute summer	S4	3.000	S5	0.7	0.069	0.010	3.1187	
2160 minute summer	S5	3.001	S11	1.7	0.087	0.024	4.5571	
2160 minute summer	S9	4.000	S10	0.6	0.066	0.008	2.8757	
2160 minute summer	S10	4.001	S11	0.6	0.042	0.008	0.5484	
2160 minute summer	S11	3.002	S12	2.5	0.089	0.035	1.2000	
2160 minute summer	S12	3.003	S15	2.8	0.056	0.041	1.6410	
2160 minute summer	S1	5.000	S3	2.3	0.107	0.032	4.0185	
2160 minute summer	S3	5.001	S2	3.7	0.102	0.053	3.6161	
2160 minute summer	S2	5.002	S15	4.3	0.085	0.062	1.5275	
2160 minute summer	S14	6.000	S15	-0.2	0.007	-0.002	4.8558	
2160 minute summer	S15	3.004	S75	9.2	0.127	0.129	2.3923	
2160 minute summer	S75	1.003	S92	16.3	0.201	0.229	2.7844	
2160 minute summer	S87	7.000	S88	1.6	0.089	0.022	2.1735	
2160 minute summer	S88	7.001	S89	3.1	0.107	0.043	2.5839	
2160 minute summer	S89	7.002	S90	4.6	0.122	0.064	2.9984	
2160 minute summer	S90	7.003	S92	6.1	0.087	0.087	4.3510	
2160 minute summer	S92	1.005	S86	23.4	0.267	0.329	2.4355	
2160 minute summer	S81	8.000	S82	1.6	0.082	0.022	2.3615	
2160 minute summer	S82	8.001	S83	3.1	0.105	0.044	2.7671	
2160 minute summer	S83	8.002	S84	4.6	0.111	0.064	3.1756	
2160 minute summer	S84	8.003	S86	6.1	0.076	0.086	4.3299	
2160 minute summer	S86	1.006	S30	29.4	0.325	0.414	2.5255	
2160 minute summer	S76	9.000	S77	1.6	0.079	0.022	2.4824	
2160 minute summer	S77	9.001	S78	3.1	0.105	0.043	2.9002	

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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	-0.153	0.208	4.7	0.6690	0.0000	OK
2160 minute summer	S79	1140	-0.153	0.229	6.2	0.7226	0.0000	OK
2160 minute summer	S30	1140	-0.154	0.253	35.9	0.6443	0.0000	OK
2160 minute summer	S31	1140	-0.167	0.169	1.7	0.5605	0.0000	OK
2160 minute summer	S32	1140	-0.167	0.212	3.1	0.6549	0.0000	OK
2160 minute summer	S33	1140	-0.167	0.256	39.3	0.6511	0.0000	OK
2160 minute summer	S34	1140	-0.183	0.256	40.1	0.4518	0.0000	OK
2160 minute summer	S35	1140	-0.208	0.258	40.1	0.4566	0.0000	OK
2160 minute summer	S36	1140	-0.217	0.225	0.7	0.3977	0.0000	OK
2160 minute summer	S37	1140	-0.217	0.254	43.6	1.2490	0.0000	OK
2160 minute summer	S38	1140	-0.265	0.251	43.4	0.4442	0.0000	OK
2160 minute summer	S39	3120	-0.302	0.260	43.3	0.4588	0.0000	OK
2160 minute summer	S56	3120	-0.302	0.257	0.1	0.4534	0.0000	OK
2160 minute summer	S57	3120	-0.302	0.263	43.2	0.6684	0.0000	OK
2160 minute summer	S125	3120	-0.302	0.253	0.1	0.4463	0.0000	OK
2160 minute summer	S127	3120	-0.302	0.277	43.1	0.7039	0.0000	OK
2160 minute summer	S119	3180	-0.302	0.267	0.1	0.4711	0.0000	OK
2160 minute summer	S60	3120	-0.302	0.291	43.0	0.7396	0.0000	OK
2160 minute summer	Pond Inlet 1	3360	-0.303	0.307	42.8	0.5433	0.0000	OK
2160 minute summer	Pond Outlet	2580	-0.303	0.307	21.4	0.3477	0.0000	SURCHARGED
2160 minute summer	S13	2880	-0.302	0.336	0.1	1.1624	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	0.518	0.018	0.5	0.3152	0.0000	OK
2160 minute summer	PP-S25	1140	0.514	0.014	0.4	0.1738	0.0000	OK
2160 minute summer	PP-S16	1140	0.517	0.017	0.8	0.3008	0.0000	OK
2160 minute summer	PP-S145	1140	0.517	0.017	0.9	0.2893	0.0000	OK
2160 minute summer	PP-S4	1140	0.518	0.018	0.7	0.3050	0.0000	OK
2160 minute summer	PP-S1	1140	0.526	0.026	1.8	5.5478	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	4.6	0.103	0.066	3.3104	
2160 minute summer	S79	9.003	S30	6.1	0.074	0.085	4.1927	
2160 minute summer	S30	1.007	S33	35.8	0.388	0.503	2.9290	
2160 minute summer	S31	10.000	S32	1.6	0.088	0.023	5.5187	
2160 minute summer	S32	10.001	S33	3.0	0.041	0.042	7.1828	
2160 minute summer	S33	1.008	S34	39.2	0.421	0.555	2.9994	
2160 minute summer	S34	1.009	S35	40.0	0.427	0.563	5.0251	
2160 minute summer	S35	1.010	S37	40.0	0.430	0.602	1.0557	
2160 minute summer	S36	11.000	S37	0.6	0.008	0.009	4.9350	
2160 minute summer	S37	1.011	S38	43.4	0.474	0.615	8.2875	
2160 minute summer	S38	1.012	S39	43.3	0.479	0.606	8.1706	
2160 minute summer	S39	1.013	S57	43.2	0.492	0.682	0.7111	
2160 minute summer	S56	12.011	S57	-0.1	-0.015	-0.001	1.2339	
2160 minute summer	S57	1.014	S127	43.1	0.515	0.610	2.7823	
2160 minute summer	S125	21.003	S127	-0.1	-0.042	-0.001	4.7783	
2160 minute summer	S127	1.015	S60	43.0	0.552	0.603	2.9132	
2160 minute summer	S119	22.003	S60	-0.1	-0.002	-0.001	5.0809	
2160 minute summer	S60	1.016	Pond Inlet 1	42.8	0.640	0.566	3.3368	
2160 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	21.4	0.010	0.000	1622.5585	
2160 minute summer	Pond Outlet	1.018	S13	0.1	0.009	0.001	0.4779	
2160 minute summer	S13	Pump	Final Outfall	0.0				0.0
2160 minute summer	PP-S26	1.000_1	S26	0.5	0.345	0.013	0.0145	
2160 minute summer	PP-S25	2.000_1	S25	0.4	0.414	0.007	0.0048	
2160 minute summer	PP-S16	3.000_1	S16	0.8	0.571	0.012	0.0070	
2160 minute summer	PP-S145	4.000_2	S145	0.9	0.691	0.011	0.0065	
2160 minute summer	PP-S4	1.000_2	S4	0.7	0.488	0.012	0.0072	
2160 minute summer	PP-S1	4.000_1	S1	1.7	0.709	0.026	0.0122	

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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	1.1	0.4106	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	0.513	0.013	0.6	0.3944	0.0000	OK
2160 minute summer	PP-S15	1140	0.511	0.011	0.4	0.1210	0.0000	OK
2160 minute summer	PP-S75	1140	0.511	0.011	0.4	0.1345	0.0000	OK
2160 minute summer	PP-S24	1140	0.517	0.017	1.1	0.3578	0.0000	OK
2160 minute summer	PP-S30	1140	0.510	0.010	0.4	0.1284	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	0.514	0.014	0.9	0.2906	0.0000	OK
2160 minute summer	PP-S35	1020	0.505	0.005	0.1	0.0345	0.0000	OK
2160 minute summer	PP-S36	1140	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)
2160 minute summer	PP-S5	2.000_2	S5	1.1	0.673	0.015	0.0082	
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	0.6	0.645	0.007	0.0047	
2160 minute summer	PP-S15	12.000_1	S15	0.4	0.586	0.004	0.0034	
2160 minute summer	PP-S75	13.000_1	S75	0.4	0.606	0.004	0.0033	
2160 minute summer	PP-S24	14.000_1	S92	1.1	0.840	0.011	0.0065	
2160 minute summer	PP-S30	18.000_1	S30	0.4	0.660	0.004	0.0030	
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	0.9	0.873	0.008	0.0052	
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	0.7	0.812	0.006	0.0043	

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Results for 30 year 2160 minute winter. 3600 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
2160 minute winter	S26	1140	-0.162	0.076	0.4	0.1343	0.0000	OK
2160 minute winter	S25	1140	-0.162	0.082	0.3	0.2086	0.0000	OK
2160 minute winter	S16	1140	-0.162	0.105	2.9	0.4652	0.0000	OK
2160 minute winter	S145	1140	-0.164	0.151	5.7	0.6495	0.0000	OK
2160 minute winter	S4	1200	-0.165	0.078	0.5	0.1382	0.0000	OK
2160 minute winter	S5	1200	-0.165	0.119	1.3	0.2103	0.0000	OK
2160 minute winter	S9	1200	-0.165	0.131	0.5	0.3013	0.0000	OK
2160 minute winter	S10	1200	-0.165	0.156	0.5	0.2752	0.0000	OK
2160 minute winter	S11	1200	-0.165	0.161	1.8	0.2841	0.0000	OK
2160 minute winter	S12	1200	-0.165	0.170	2.1	0.2998	0.0000	OK
2160 minute winter	S1	1200	-0.163	0.101	1.9	0.2367	0.0000	OK
2160 minute winter	S3	1200	-0.164	0.143	3.1	0.4558	0.0000	OK
2160 minute winter	S2	1200	-0.165	0.171	3.4	0.3019	0.0000	OK
2160 minute winter	S14	1200	-0.165	0.144	0.1	0.2537	0.0000	OK
2160 minute winter	S15	1200	-0.165	0.181	7.4	0.8127	0.0000	OK
2160 minute winter	S75	1200	-0.167	0.195	13.3	0.4968	0.0000	OK
2160 minute winter	S87	1140	-0.169	0.117	1.2	0.3809	0.0000	OK
2160 minute winter	S88	1140	-0.169	0.139	2.5	0.4541	0.0000	OK
2160 minute winter	S89	1140	-0.169	0.161	3.8	0.5212	0.0000	OK
2160 minute winter	S90	1200	-0.170	0.182	4.9	0.5804	0.0000	OK
2160 minute winter	S92	1200	-0.171	0.208	19.0	0.5305	0.0000	OK
2160 minute winter	S81	1200	-0.175	0.127	1.2	0.4112	0.0000	OK
2160 minute winter	S82	1200	-0.175	0.149	2.5	0.4844	0.0000	OK
2160 minute winter	S83	1200	-0.175	0.170	3.8	0.5483	0.0000	OK
2160 minute winter	S84	1200	-0.176	0.191	4.9	0.6071	0.0000	OK
2160 minute winter	S86	1200	-0.176	0.217	23.9	0.5516	0.0000	OK
2160 minute winter	S76	1200	-0.183	0.134	1.2	0.4302	0.0000	OK
2160 minute winter	S77	1200	-0.183	0.156	2.5	0.5033	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	0.4	0.043	0.006	1.3256	
2160 minute winter	S25	2.000	S16	0.3	0.039	0.005	1.1044	
2160 minute winter	S16	1.001	S145	2.8	0.125	0.040	3.5310	
2160 minute winter	S145	1.002	S75	5.7	0.121	0.081	5.3235	
2160 minute winter	S4	3.000	S5	0.5	0.075	0.008	2.1457	
2160 minute winter	S5	3.001	S11	1.3	0.087	0.019	3.4869	
2160 minute winter	S9	4.000	S10	0.5	0.081	0.007	2.2106	
2160 minute winter	S10	4.001	S11	0.5	0.068	0.006	0.4325	
2160 minute winter	S11	3.002	S12	1.8	0.081	0.026	0.9564	
2160 minute winter	S12	3.003	S15	2.2	0.046	0.032	1.3261	
2160 minute winter	S1	5.000	S3	1.9	0.105	0.026	2.9601	
2160 minute winter	S3	5.001	S2	3.0	0.096	0.043	2.8469	
2160 minute winter	S2	5.002	S15	3.4	0.089	0.050	1.2354	
2160 minute winter	S14	6.000	S15	-0.1	-0.007	-0.001	3.8552	
2160 minute winter	S15	3.004	S75	7.4	0.124	0.104	1.9639	
2160 minute winter	S75	1.003	S92	13.3	0.195	0.187	2.3196	
2160 minute winter	S87	7.000	S88	1.2	0.087	0.017	1.6169	
2160 minute winter	S88	7.001	S89	2.5	0.107	0.035	2.0069	
2160 minute winter	S89	7.002	S90	3.7	0.125	0.053	2.4078	
2160 minute winter	S90	7.003	S92	4.9	0.108	0.070	3.5987	
2160 minute winter	S92	1.005	S86	19.0	0.258	0.267	2.0500	
2160 minute winter	S81	8.000	S82	1.2	0.082	0.017	1.7934	
2160 minute winter	S82	8.001	S83	2.5	0.105	0.035	2.1824	
2160 minute winter	S83	8.002	S84	3.7	0.123	0.053	2.5804	
2160 minute winter	S84	8.003	S86	4.9	0.089	0.069	3.6144	
2160 minute winter	S86	1.006	S30	23.9	0.311	0.337	2.1405	
2160 minute winter	S76	9.000	S77	1.2	0.079	0.017	1.9107	
2160 minute winter	S77	9.001	S78	2.5	0.105	0.035	2.3139	

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Results for 30 year 2160 minute winter. 3600 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
2160 minute winter	S78	1200	-0.184	0.177	3.8	0.5702	0.0000	OK
2160 minute winter	S79	1200	-0.184	0.198	4.9	0.6254	0.0000	OK
2160 minute winter	S30	1200	-0.185	0.222	29.1	0.5661	0.0000	OK
2160 minute winter	S31	1200	-0.197	0.139	1.3	0.4601	0.0000	OK
2160 minute winter	S32	1200	-0.197	0.182	2.5	0.5612	0.0000	OK
2160 minute winter	S33	1200	-0.198	0.225	31.9	0.5739	0.0000	OK
2160 minute winter	S34	1200	-0.213	0.226	32.6	0.3992	0.0000	OK
2160 minute winter	S35	1200	-0.236	0.230	32.7	0.4057	0.0000	OK
2160 minute winter	S36	1200	-0.245	0.197	0.5	0.3479	0.0000	OK
2160 minute winter	S37	1200	-0.245	0.226	35.3	1.1105	0.0000	OK
2160 minute winter	S38	2700	-0.271	0.245	35.3	0.4336	0.0000	OK
2160 minute winter	S39	3300	-0.271	0.291	35.2	0.5150	0.0000	OK
2160 minute winter	S56	3300	-0.271	0.288	0.1	0.5096	0.0000	OK
2160 minute winter	S57	3300	-0.271	0.294	35.2	0.7492	0.0000	OK
2160 minute winter	S125	2700	-0.271	0.284	0.1	0.5026	0.0000	OK
2160 minute winter	S127	3300	-0.271	0.308	35.2	0.7849	0.0000	OK
2160 minute winter	S119	2760	-0.270	0.299	0.1	0.5275	0.0000	OK
2160 minute winter	S60	2700	-0.271	0.322	35.1	0.8205	0.0000	OK
2160 minute winter	Pond Inlet 1	2640	-0.271	0.339	35.0	0.5994	0.0000	OK
2160 minute winter	Pond Outlet	2640	-0.271	0.339	17.5	0.3837	0.0000	SURCHARGED
2160 minute winter	S13	3360	-0.271	0.367	0.1	1.2723	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	1200	0.516	0.016	0.4	0.2602	0.0000	OK
2160 minute winter	PP-S25	1020	0.512	0.012	0.3	0.1335	0.0000	OK
2160 minute winter	PP-S16	1140	0.515	0.015	0.6	0.2341	0.0000	OK
2160 minute winter	PP-S145	1140	0.515	0.015	0.7	0.2335	0.0000	OK
2160 minute winter	PP-S4	1080	0.515	0.015	0.5	0.2272	0.0000	OK
2160 minute winter	PP-S1	1140	0.523	0.023	1.4	4.5964	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	3.7	0.114	0.054	2.7154	
2160 minute winter	S79	9.003	S30	4.9	0.076	0.068	3.5241	
2160 minute winter	S30	1.007	S33	29.1	0.370	0.409	2.4958	
2160 minute winter	S31	10.000	S32	1.3	0.088	0.019	4.3791	
2160 minute winter	S32	10.001	S33	2.4	0.042	0.034	6.0148	
2160 minute winter	S33	1.008	S34	31.9	0.402	0.452	2.5657	
2160 minute winter	S34	1.009	S35	32.6	0.406	0.459	4.3217	
2160 minute winter	S35	1.010	S37	32.6	0.408	0.491	0.9114	
2160 minute winter	S36	11.000	S37	0.5	-0.009	0.007	4.2098	
2160 minute winter	S37	1.011	S38	35.3	0.446	0.499	7.2152	
2160 minute winter	S38	1.012	S39	35.2	0.445	0.493	8.9053	
2160 minute winter	S39	1.013	S57	35.2	0.452	0.556	0.8145	
2160 minute winter	S56	12.011	S57	-0.1	-0.087	-0.001	1.4149	
2160 minute winter	S57	1.014	S127	35.2	0.472	0.498	3.1678	
2160 minute winter	S125	21.003	S127	-0.1	-0.003	-0.001	5.4595	
2160 minute winter	S127	1.015	S60	35.1	0.501	0.493	3.2859	
2160 minute winter	S119	22.003	S60	-0.1	-0.003	-0.001	5.7497	
2160 minute winter	S60	1.016	Pond Inlet 1	35.0	0.584	0.462	3.7259	
2160 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	17.5	0.010	0.000	1800.4788	
2160 minute winter	Pond Outlet	1.018	S13	0.1	-0.005	0.001	0.4779	
2160 minute winter	S13	Pump	Final Outfall	0.0				0.0
2160 minute winter	PP-S26	1.000_1	S26	0.4	0.328	0.010	0.0122	
2160 minute winter	PP-S25	2.000_1	S25	0.3	0.380	0.005	0.0039	
2160 minute winter	PP-S16	3.000_1	S16	0.6	0.524	0.009	0.0057	
2160 minute winter	PP-S145	4.000_2	S145	0.7	0.641	0.008	0.0055	
2160 minute winter	PP-S4	1.000_2	S4	0.5	0.441	0.009	0.0057	
2160 minute winter	PP-S1	4.000_1	S1	1.4	0.663	0.021	0.0104	

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Results for 30 year 2160 minute winter. 3600 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
2160 minute winter	PP-S5	1140	0.517	0.017	0.8	0.3083	0.0000	OK
2160 minute winter	PP-S12	1080	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	1140	0.511	0.011	0.4	0.2720	0.0000	OK
2160 minute winter	PP-S15	960	0.510	0.010	0.3	0.0947	0.0000	OK
2160 minute winter	PP-S75	1080	0.509	0.009	0.3	0.1051	0.0000	OK
2160 minute winter	PP-S24	1140	0.514	0.014	0.8	0.2710	0.0000	OK
2160 minute winter	PP-S30	1020	0.509	0.009	0.3	0.0999	0.0000	OK
2160 minute winter	PP-S33	1140	0.510	0.010	0.4	0.1044	0.0000	OK
2160 minute winter	PP-S34	1140	0.513	0.013	0.7	0.2302	0.0000	OK
2160 minute winter	PP-S35	900	0.505	0.005	0.1	0.0345	0.0000	OK
2160 minute winter	PP-S36	1020	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)
2160 minute winter	PP-S5	2.000_2	S5	0.8	0.609	0.011	0.0066	
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	0.4	0.573	0.004	0.0035	
2160 minute winter	PP-S15	12.000_1	S15	0.3	0.541	0.003	0.0028	
2160 minute winter	PP-S75	13.000_1	S75	0.3	0.560	0.003	0.0027	
2160 minute winter	PP-S24	14.000_1	S92	0.8	0.764	0.008	0.0052	
2160 minute winter	PP-S30	18.000_1	S30	0.3	0.610	0.003	0.0025	
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	0.7	0.809	0.006	0.0043	
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	0.5	0.737	0.004	0.0034	

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Results for 30 year 2880 minute summer. 4320 minute analysis at 60 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
2880 minute summer	S26	1500	-0.159	0.079	0.4	0.1393	0.0000	OK
2880 minute summer	S25	1500	-0.159	0.085	0.4	0.2158	0.0000	OK
2880 minute summer	S16	1500	-0.159	0.108	3.0	0.4778	0.0000	OK
2880 minute summer	S145	1500	-0.161	0.154	6.0	0.6619	0.0000	OK
2880 minute summer	S4	1500	-0.162	0.081	0.6	0.1432	0.0000	OK
2880 minute summer	S5	1500	-0.162	0.122	1.5	0.2153	0.0000	OK
2880 minute summer	S9	1500	-0.162	0.134	0.5	0.3078	0.0000	OK
2880 minute summer	S10	1500	-0.162	0.159	0.5	0.2802	0.0000	OK
2880 minute summer	S11	1500	-0.162	0.164	1.9	0.2891	0.0000	OK
2880 minute summer	S12	1500	-0.162	0.173	2.3	0.3048	0.0000	OK
2880 minute summer	S1	1500	-0.161	0.103	1.9	0.2433	0.0000	OK
2880 minute summer	S3	1500	-0.162	0.145	3.2	0.4650	0.0000	OK
2880 minute summer	S2	1500	-0.162	0.174	3.6	0.3069	0.0000	OK
2880 minute summer	S14	1500	-0.163	0.146	0.1	0.2587	0.0000	OK
2880 minute summer	S15	1500	-0.163	0.183	7.8	0.8255	0.0000	OK
2880 minute summer	S75	1500	-0.164	0.198	13.8	0.5040	0.0000	OK
2880 minute summer	S87	1500	-0.166	0.120	1.3	0.3899	0.0000	OK
2880 minute summer	S88	1500	-0.166	0.142	2.6	0.4631	0.0000	OK
2880 minute summer	S89	1500	-0.166	0.164	3.8	0.5303	0.0000	OK
2880 minute summer	S90	1500	-0.167	0.185	5.1	0.5893	0.0000	OK
2880 minute summer	S92	1500	-0.168	0.211	19.6	0.5376	0.0000	OK
2880 minute summer	S81	1500	-0.172	0.130	1.3	0.4198	0.0000	OK
2880 minute summer	S82	1500	-0.172	0.152	2.6	0.4932	0.0000	OK
2880 minute summer	S83	1500	-0.172	0.173	3.8	0.5570	0.0000	OK
2880 minute summer	S84	1500	-0.173	0.194	5.1	0.6155	0.0000	OK
2880 minute summer	S86	1500	-0.174	0.219	24.6	0.5583	0.0000	OK
2880 minute summer	S76	1500	-0.181	0.136	1.3	0.4384	0.0000	OK
2880 minute summer	S77	1500	-0.181	0.158	2.6	0.5116	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	0.4	0.047	0.005	1.3841	
2880 minute summer	S25	2.000	S16	0.4	0.042	0.005	1.1524	
2880 minute summer	S16	1.001	S145	3.0	0.123	0.041	3.6396	
2880 minute summer	S145	1.002	S75	5.8	0.120	0.083	5.4421	
2880 minute summer	S4	3.000	S5	0.6	0.071	0.008	2.2328	
2880 minute summer	S5	3.001	S11	1.4	0.107	0.020	3.5843	
2880 minute summer	S9	4.000	S10	0.5	0.061	0.007	2.2710	
2880 minute summer	S10	4.001	S11	0.5	0.038	0.006	0.4431	
2880 minute summer	S11	3.002	S12	2.0	0.094	0.028	0.9788	
2880 minute summer	S12	3.003	S15	2.3	0.058	0.033	1.3552	
2880 minute summer	S1	5.000	S3	1.9	0.106	0.027	3.0568	
2880 minute summer	S3	5.001	S2	3.1	0.103	0.044	2.9181	
2880 minute summer	S2	5.002	S15	3.6	0.085	0.052	1.2624	
2880 minute summer	S14	6.000	S15	-0.1	0.003	-0.002	3.9471	
2880 minute summer	S15	3.004	S75	7.8	0.125	0.109	2.0033	
2880 minute summer	S75	1.003	S92	13.7	0.198	0.193	2.3617	
2880 minute summer	S87	7.000	S88	1.3	0.090	0.018	1.6661	
2880 minute summer	S88	7.001	S89	2.5	0.107	0.035	2.0584	
2880 minute summer	S89	7.002	S90	3.8	0.108	0.053	2.4606	
2880 minute summer	S90	7.003	S92	5.0	0.078	0.071	3.6661	
2880 minute summer	S92	1.005	S86	19.5	0.261	0.275	2.0839	
2880 minute summer	S81	8.000	S82	1.3	0.084	0.018	1.8419	
2880 minute summer	S82	8.001	S83	2.5	0.105	0.036	2.2327	
2880 minute summer	S83	8.002	S84	3.8	0.102	0.053	2.6316	
2880 minute summer	S84	8.003	S86	5.0	0.073	0.071	3.6761	
2880 minute summer	S86	1.006	S30	24.5	0.314	0.345	2.1730	
2880 minute summer	S76	9.000	S77	1.3	0.080	0.018	1.9571	
2880 minute summer	S77	9.001	S78	2.5	0.099	0.035	2.3618	

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Results for 30 year 2880 minute summer. 4320 minute analysis at 60 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
2880 minute summer	S78	1500	-0.181	0.180	3.8	0.5784	0.0000	OK
2880 minute summer	S79	1500	-0.181	0.201	5.1	0.6334	0.0000	OK
2880 minute summer	S30	1500	-0.182	0.225	29.8	0.5725	0.0000	OK
2880 minute summer	S31	1500	-0.195	0.141	1.4	0.4677	0.0000	OK
2880 minute summer	S32	1500	-0.195	0.184	2.5	0.5684	0.0000	OK
2880 minute summer	S33	1500	-0.195	0.228	32.6	0.5798	0.0000	OK
2880 minute summer	S34	1500	-0.211	0.228	33.2	0.4029	0.0000	OK
2880 minute summer	S35	1500	-0.235	0.231	33.2	0.4088	0.0000	OK
2880 minute summer	S36	1500	-0.243	0.199	0.6	0.3509	0.0000	OK
2880 minute summer	S37	1500	-0.243	0.228	36.2	1.1188	0.0000	OK
2880 minute summer	S38	1500	-0.290	0.226	36.1	0.4000	0.0000	OK
2880 minute summer	S39	3840	-0.291	0.271	36.0	0.4787	0.0000	OK
2880 minute summer	S56	3840	-0.291	0.268	0.2	0.4735	0.0000	OK
2880 minute summer	S57	3840	-0.291	0.274	35.9	0.6972	0.0000	OK
2880 minute summer	S125	3840	-0.291	0.264	0.1	0.4666	0.0000	OK
2880 minute summer	S127	3840	-0.291	0.288	35.8	0.7329	0.0000	OK
2880 minute summer	S119	3840	-0.291	0.278	0.1	0.4912	0.0000	OK
2880 minute summer	S60	3840	-0.291	0.302	35.7	0.7685	0.0000	OK
2880 minute summer	Pond Inlet 1	3600	-0.291	0.319	35.6	0.5634	0.0000	OK
2880 minute summer	Pond Outlet	3600	-0.291	0.319	17.8	0.3606	0.0000	SURCHARGED
2880 minute summer	S13	3600	-0.291	0.347	0.1	1.2019	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	0.516	0.016	0.4	0.2602	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	0.515	0.015	0.6	0.2341	0.0000	OK
2880 minute summer	PP-S145	1500	0.515	0.015	0.7	0.2335	0.0000	OK
2880 minute summer	PP-S4	1500	0.517	0.017	0.6	0.2658	0.0000	OK
2880 minute summer	PP-S1	1500	0.523	0.023	1.5	4.7678	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	3.8	0.093	0.054	2.7642	
2880 minute summer	S79	9.003	S30	5.0	0.070	0.070	3.5791	
2880 minute summer	S30	1.007	S33	29.7	0.372	0.418	2.5304	
2880 minute summer	S31	10.000	S32	1.3	0.084	0.019	4.4651	
2880 minute summer	S32	10.001	S33	2.4	0.037	0.034	6.1040	
2880 minute summer	S33	1.008	S34	32.5	0.403	0.461	2.5978	
2880 minute summer	S34	1.009	S35	33.1	0.407	0.467	4.3688	
2880 minute summer	S35	1.010	S37	33.2	0.409	0.500	0.9203	
2880 minute summer	S36	11.000	S37	0.6	0.011	0.008	4.2530	
2880 minute summer	S37	1.011	S38	36.1	0.450	0.510	7.2459	
2880 minute summer	S38	1.012	S39	36.0	0.451	0.503	8.0894	
2880 minute summer	S39	1.013	S57	35.9	0.459	0.566	0.7483	
2880 minute summer	S56	12.011	S57	-0.2	-0.059	-0.002	1.2992	
2880 minute summer	S57	1.014	S127	35.8	0.479	0.507	2.9218	
2880 minute summer	S125	21.003	S127	-0.1	-0.002	-0.001	5.0255	
2880 minute summer	S127	1.015	S60	35.7	0.507	0.501	3.0486	
2880 minute summer	S119	22.003	S60	0.1	-0.001	0.001	5.3242	
2880 minute summer	S60	1.016	Pond Inlet 1	35.6	0.572	0.470	3.4791	
2880 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	17.8	0.008	0.000	1685.7413	
2880 minute summer	Pond Outlet	1.018	S13	-0.1	0.065	-0.001	0.4779	
2880 minute summer	S13	Pump	Final Outfall	0.0				0.0
2880 minute summer	PP-S26	1.000_1	S26	0.4	0.328	0.010	0.0122	
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	0.6	0.524	0.009	0.0057	
2880 minute summer	PP-S145	4.000_2	S145	0.7	0.641	0.008	0.0055	
2880 minute summer	PP-S4	1.000_2	S4	0.6	0.466	0.011	0.0064	
2880 minute summer	PP-S1	4.000_1	S1	1.4	0.672	0.022	0.0107	

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Results for 30 year 2880 minute summer. 4320 minute analysis at 60 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
2880 minute summer	PP-S5	1500	0.518	0.018	0.9	0.3421	0.0000	OK
2880 minute summer	PP-S12	1500	0.510	0.010	0.3	0.1375	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	0.509	0.009	0.3	0.1051	0.0000	OK
2880 minute summer	PP-S24	1500	0.515	0.015	0.9	0.3010	0.0000	OK
2880 minute summer	PP-S30	1440	0.509	0.009	0.3	0.0999	0.0000	OK
2880 minute summer	PP-S33	1500	0.510	0.010	0.4	0.1044	0.0000	OK
2880 minute summer	PP-S34	1500	0.513	0.013	0.7	0.2302	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	0.512	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)
2880 minute summer	PP-S5	2.000_2	S5	0.9	0.632	0.012	0.0071	
2880 minute summer	PP-S12	8.000_1	S12	0.3	0.528	0.003	0.0028	
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	0.3	0.560	0.003	0.0027	
2880 minute summer	PP-S24	14.000_1	S92	0.9	0.791	0.009	0.0057	
2880 minute summer	PP-S30	18.000_1	S30	0.3	0.610	0.003	0.0025	
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	0.7	0.809	0.006	0.0043	
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	0.6	0.776	0.005	0.0039	

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Results for 30 year 2880 minute winter. 4320 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
2880 minute winter	S26	1500	-0.186	0.052	0.3	0.0923	0.0000	OK
2880 minute winter	S25	1500	-0.186	0.058	0.3	0.1480	0.0000	OK
2880 minute winter	S16	1500	-0.186	0.081	2.4	0.3593	0.0000	OK
2880 minute winter	S145	1500	-0.189	0.126	4.7	0.5414	0.0000	OK
2880 minute winter	S4	1500	-0.190	0.053	0.4	0.0936	0.0000	OK
2880 minute winter	S5	1500	-0.190	0.094	1.1	0.1654	0.0000	OK
2880 minute winter	S9	1500	-0.191	0.105	0.4	0.2425	0.0000	OK
2880 minute winter	S10	1500	-0.191	0.130	0.4	0.2301	0.0000	OK
2880 minute winter	S11	1500	-0.191	0.135	1.5	0.2390	0.0000	OK
2880 minute winter	S12	1500	-0.191	0.144	1.7	0.2547	0.0000	OK
2880 minute winter	S1	1500	-0.188	0.076	1.5	0.1784	0.0000	OK
2880 minute winter	S3	1500	-0.190	0.117	2.5	0.3749	0.0000	OK
2880 minute winter	S2	1500	-0.191	0.145	2.8	0.2568	0.0000	OK
2880 minute winter	S14	1500	-0.191	0.118	0.0	0.2085	0.0000	OK
2880 minute winter	S15	1500	-0.191	0.155	6.1	0.6977	0.0000	OK
2880 minute winter	S75	1560	-0.192	0.170	11.0	0.4314	0.0000	OK
2880 minute winter	S87	1560	-0.194	0.092	1.0	0.2987	0.0000	OK
2880 minute winter	S88	1560	-0.194	0.114	2.0	0.3711	0.0000	OK
2880 minute winter	S89	1560	-0.195	0.135	3.0	0.4383	0.0000	OK
2880 minute winter	S90	1560	-0.195	0.157	4.0	0.4985	0.0000	OK
2880 minute winter	S92	1560	-0.196	0.183	15.6	0.4648	0.0000	OK
2880 minute winter	S81	1560	-0.200	0.102	1.0	0.3286	0.0000	OK
2880 minute winter	S82	1560	-0.200	0.124	2.0	0.4012	0.0000	OK
2880 minute winter	S83	1560	-0.201	0.144	3.0	0.4652	0.0000	OK
2880 minute winter	S84	1560	-0.201	0.166	4.0	0.5251	0.0000	OK
2880 minute winter	S86	1560	-0.202	0.191	19.5	0.4857	0.0000	OK
2880 minute winter	S76	1560	-0.209	0.108	1.0	0.3476	0.0000	OK
2880 minute winter	S77	1560	-0.209	0.130	2.0	0.4202	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	0.3	0.047	0.005	0.8581	
2880 minute winter	S25	2.000	S16	0.3	0.042	0.004	0.7249	
2880 minute winter	S16	1.001	S145	2.4	0.126	0.033	2.6287	
2880 minute winter	S145	1.002	S75	4.6	0.118	0.066	4.2967	
2880 minute winter	S4	3.000	S5	0.4	0.075	0.006	1.4165	
2880 minute winter	S5	3.001	S11	1.1	0.083	0.015	2.6417	
2880 minute winter	S9	4.000	S10	0.4	0.074	0.006	1.6830	
2880 minute winter	S10	4.001	S11	0.4	0.046	0.005	0.3393	
2880 minute winter	S11	3.002	S12	1.5	0.091	0.021	0.7597	
2880 minute winter	S12	3.003	S15	1.7	0.054	0.024	1.0704	
2880 minute winter	S1	5.000	S3	1.5	0.103	0.021	2.1469	
2880 minute winter	S3	5.001	S2	2.5	0.107	0.035	2.2321	
2880 minute winter	S2	5.002	S15	2.8	0.087	0.041	0.9981	
2880 minute winter	S14	6.000	S15	0.0	-0.005	-0.001	3.0503	
2880 minute winter	S15	3.004	S75	6.0	0.120	0.084	1.6130	
2880 minute winter	S75	1.003	S92	11.0	0.191	0.154	1.9356	
2880 minute winter	S87	7.000	S88	1.0	0.091	0.014	1.1866	
2880 minute winter	S88	7.001	S89	2.0	0.107	0.028	1.5503	
2880 minute winter	S89	7.002	S90	3.0	0.112	0.042	1.9310	
2880 minute winter	S90	7.003	S92	4.0	0.082	0.057	2.9807	
2880 minute winter	S92	1.005	S86	15.6	0.251	0.220	1.7294	
2880 minute winter	S81	8.000	S82	1.0	0.085	0.014	1.3476	
2880 minute winter	S82	8.001	S83	2.0	0.105	0.029	1.7144	
2880 minute winter	S83	8.002	S84	3.0	0.101	0.042	2.0956	
2880 minute winter	S84	8.003	S86	4.0	0.080	0.057	3.0223	
2880 minute winter	S86	1.006	S30	19.5	0.300	0.275	1.8180	
2880 minute winter	S76	9.000	S77	1.0	0.080	0.014	1.4557	
2880 minute winter	S77	9.001	S78	2.0	0.102	0.028	1.8388	

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Results for 30 year 2880 minute winter. 4320 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
2880 minute winter	S78	1560	-0.209	0.152	3.0	0.4873	0.0000	OK
2880 minute winter	S79	1560	-0.210	0.172	4.0	0.5437	0.0000	OK
2880 minute winter	S30	1560	-0.210	0.197	23.7	0.5001	0.0000	OK
2880 minute winter	S31	1560	-0.223	0.113	1.1	0.3746	0.0000	OK
2880 minute winter	S32	1560	-0.223	0.156	2.0	0.4814	0.0000	OK
2880 minute winter	S33	1560	-0.223	0.200	25.9	0.5081	0.0000	OK
2880 minute winter	S34	1560	-0.239	0.200	26.5	0.3539	0.0000	OK
2880 minute winter	S35	4020	-0.253	0.213	26.6	0.3771	0.0000	OK
2880 minute winter	S36	4020	-0.253	0.189	0.4	0.3347	0.0000	OK
2880 minute winter	S37	4020	-0.253	0.218	28.8	1.0738	0.0000	OK
2880 minute winter	S38	4020	-0.253	0.263	28.7	0.4655	0.0000	OK
2880 minute winter	S39	4020	-0.253	0.309	28.7	0.5467	0.0000	OK
2880 minute winter	S56	4020	-0.253	0.306	0.0	0.5414	0.0000	OK
2880 minute winter	S57	4020	-0.253	0.312	28.6	0.7950	0.0000	OK
2880 minute winter	S125	3660	-0.253	0.302	0.1	0.5345	0.0000	OK
2880 minute winter	S127	3660	-0.253	0.326	28.6	0.8308	0.0000	OK
2880 minute winter	S119	3840	-0.253	0.316	0.1	0.5592	0.0000	OK
2880 minute winter	S60	4020	-0.253	0.340	28.5	0.8662	0.0000	OK
2880 minute winter	Pond Inlet 1	3240	-0.253	0.357	28.4	0.6313	0.0000	OK
2880 minute winter	Pond Outlet	3180	-0.253	0.357	14.2	0.4041	0.0000	SURCHARGED
2880 minute winter	S13	3600	-0.253	0.385	0.1	1.3349	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	0.514	0.014	0.3	0.2027	0.0000	OK
2880 minute winter	PP-S25	1500	0.512	0.012	0.3	0.1335	0.0000	OK
2880 minute winter	PP-S16	1500	0.514	0.014	0.5	0.1986	0.0000	OK
2880 minute winter	PP-S145	1500	0.514	0.014	0.6	0.2022	0.0000	OK
2880 minute winter	PP-S4	1380	0.514	0.014	0.4	0.1852	0.0000	OK
2880 minute winter	PP-S1	1560	0.521	0.021	1.1	3.7672	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	3.0	0.095	0.043	2.2260	
2880 minute winter	S79	9.003	S30	4.0	0.075	0.056	2.9659	
2880 minute winter	S30	1.007	S33	23.7	0.353	0.333	2.1290	
2880 minute winter	S31	10.000	S32	1.1	0.088	0.015	3.4471	
2880 minute winter	S32	10.001	S33	2.0	0.074	0.027	5.0318	
2880 minute winter	S33	1.008	S34	25.9	0.382	0.368	2.1943	
2880 minute winter	S34	1.009	S35	26.5	0.385	0.373	3.7124	
2880 minute winter	S35	1.010	S37	26.6	0.385	0.400	0.8512	
2880 minute winter	S36	11.000	S37	0.4	0.008	0.006	4.0174	
2880 minute winter	S37	1.011	S38	28.7	0.419	0.407	7.8078	
2880 minute winter	S38	1.012	S39	28.7	0.413	0.401	9.6135	
2880 minute winter	S39	1.013	S57	28.6	0.415	0.452	0.8710	
2880 minute winter	S56	12.011	S57	0.0	-0.002	0.001	1.5141	
2880 minute winter	S57	1.014	S127	28.6	0.429	0.404	3.3775	
2880 minute winter	S125	21.003	S127	0.1	-0.010	0.001	5.8319	
2880 minute winter	S127	1.015	S60	28.5	0.450	0.400	3.4855	
2880 minute winter	S119	22.003	S60	-0.1	-0.010	-0.001	6.1103	
2880 minute winter	S60	1.016	Pond Inlet 1	28.4	0.516	0.375	3.9329	
2880 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	14.2	0.010	0.000	1902.5491	
2880 minute winter	Pond Outlet	1.018	S13	0.1	0.010	0.001	0.4779	
2880 minute winter	S13	Pump	Final Outfall	0.0				0.0
2880 minute winter	PP-S26	1.000_1	S26	0.3	0.303	0.008	0.0099	
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	0.4	0.412	0.007	0.0049	
2880 minute winter	PP-S1	4.000_1	S1	1.1	0.622	0.017	0.0088	

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Results for 30 year 2880 minute winter. 4320 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
2880 minute winter	PP-S5	1500	0.516	0.016	0.7	0.2748	0.0000	OK
2880 minute winter	PP-S12	1260	0.508	0.008	0.2	0.0962	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	1380	0.510	0.010	0.3	0.2120	0.0000	OK
2880 minute winter	PP-S15	1440	0.510	0.010	0.3	0.0947	0.0000	OK
2880 minute winter	PP-S75	1500	0.509	0.009	0.3	0.1051	0.0000	OK
2880 minute winter	PP-S24	1500	0.514	0.014	0.7	0.2394	0.0000	OK
2880 minute winter	PP-S30	1260	0.507	0.007	0.2	0.0702	0.0000	OK
2880 minute winter	PP-S33	1380	0.509	0.009	0.3	0.0814	0.0000	OK
2880 minute winter	PP-S34	1500	0.512	0.012	0.6	0.2005	0.0000	OK
2880 minute winter	PP-S35	1260	0.505	0.005	0.1	0.0345	0.0000	OK
2880 minute winter	PP-S36	1320	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)
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	0.2	0.470	0.002	0.0021	
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	0.3	0.529	0.003	0.0028	
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	0.2	0.541	0.002	0.0018	
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	0.4	0.693	0.003	0.0029	

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Results for 30 year 4320 minute summer. 5760 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
4320 minute summer	S26	2220	-0.190	0.048	0.3	0.0842	0.0000	OK
4320 minute summer	S25	2220	-0.190	0.054	0.3	0.1364	0.0000	OK
4320 minute summer	S16	2220	-0.191	0.076	2.3	0.3389	0.0000	OK
4320 minute summer	S145	2220	-0.194	0.121	4.4	0.5204	0.0000	OK
4320 minute summer	S4	2220	-0.195	0.048	0.4	0.0849	0.0000	OK
4320 minute summer	S5	2220	-0.195	0.089	1.0	0.1566	0.0000	OK
4320 minute summer	S9	2220	-0.196	0.100	0.4	0.2311	0.0000	OK
4320 minute summer	S10	2220	-0.196	0.125	0.4	0.2214	0.0000	OK
4320 minute summer	S11	2220	-0.196	0.130	1.4	0.2302	0.0000	OK
4320 minute summer	S12	2220	-0.196	0.139	1.6	0.2460	0.0000	OK
4320 minute summer	S1	2220	-0.193	0.071	1.5	0.1677	0.0000	OK
4320 minute summer	S3	2220	-0.195	0.112	2.5	0.3595	0.0000	OK
4320 minute summer	S2	2220	-0.196	0.140	2.7	0.2481	0.0000	OK
4320 minute summer	S14	2220	-0.196	0.113	0.1	0.1998	0.0000	OK
4320 minute summer	S15	2220	-0.196	0.150	5.8	0.6755	0.0000	OK
4320 minute summer	S75	2220	-0.197	0.165	10.4	0.4189	0.0000	OK
4320 minute summer	S87	2220	-0.199	0.087	1.0	0.2832	0.0000	OK
4320 minute summer	S88	2220	-0.199	0.109	2.0	0.3553	0.0000	OK
4320 minute summer	S89	2220	-0.200	0.130	3.0	0.4224	0.0000	OK
4320 minute summer	S90	2220	-0.200	0.152	3.9	0.4827	0.0000	OK
4320 minute summer	S92	2220	-0.201	0.178	14.9	0.4521	0.0000	OK
4320 minute summer	S81	2220	-0.205	0.097	1.0	0.3127	0.0000	OK
4320 minute summer	S82	2220	-0.205	0.119	2.0	0.3851	0.0000	OK
4320 minute summer	S83	2220	-0.206	0.139	3.0	0.4491	0.0000	OK
4320 minute summer	S84	2220	-0.206	0.161	3.9	0.5092	0.0000	OK
4320 minute summer	S86	2220	-0.207	0.186	18.7	0.4728	0.0000	OK
4320 minute summer	S76	2220	-0.214	0.103	1.0	0.3315	0.0000	OK
4320 minute summer	S77	2220	-0.214	0.125	2.0	0.4039	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
4320 minute summer	S26	1.000	S16	0.3	0.047	0.004	0.7751	
4320 minute summer	S25	2.000	S16	0.3	0.038	0.004	0.6575	
4320 minute summer	S16	1.001	S145	2.2	0.123	0.031	2.4620	
4320 minute summer	S145	1.002	S75	4.4	0.119	0.062	4.1035	
4320 minute summer	S4	3.000	S5	0.4	0.071	0.006	1.2838	
4320 minute summer	S5	3.001	S11	1.1	0.101	0.015	2.4829	
4320 minute summer	S9	4.000	S10	0.4	0.061	0.005	1.5846	
4320 minute summer	S10	4.001	S11	0.4	0.038	0.005	0.3217	
4320 minute summer	S11	3.002	S12	1.4	0.086	0.020	0.7225	
4320 minute summer	S12	3.003	S15	1.7	0.057	0.024	1.0218	
4320 minute summer	S1	5.000	S3	1.5	0.105	0.020	2.0021	
4320 minute summer	S3	5.001	S2	2.4	0.105	0.034	2.1179	
4320 minute summer	S2	5.002	S15	2.7	0.089	0.040	0.9532	
4320 minute summer	S14	6.000	S15	-0.1	-0.003	-0.001	2.8992	
4320 minute summer	S15	3.004	S75	5.8	0.122	0.081	1.5467	
4320 minute summer	S75	1.003	S92	10.3	0.188	0.145	1.8627	
4320 minute summer	S87	7.000	S88	1.0	0.090	0.014	1.1082	
4320 minute summer	S88	7.001	S89	2.0	0.111	0.028	1.4656	
4320 minute summer	S89	7.002	S90	2.9	0.107	0.041	1.8416	
4320 minute summer	S90	7.003	S92	3.9	0.093	0.055	2.8632	
4320 minute summer	S92	1.005	S86	14.8	0.247	0.209	1.6677	
4320 minute summer	S81	8.000	S82	1.0	0.086	0.014	1.2649	
4320 minute summer	S82	8.001	S83	2.0	0.105	0.028	1.6259	
4320 minute summer	S83	8.002	S84	2.9	0.103	0.041	2.0031	
4320 minute summer	S84	8.003	S86	3.9	0.080	0.055	2.9082	
4320 minute summer	S86	1.006	S30	18.7	0.297	0.263	1.7550	
4320 minute summer	S76	9.000	S77	1.0	0.083	0.014	1.3704	
4320 minute summer	S77	9.001	S78	2.0	0.098	0.027	1.7480	

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Results for 30 year 4320 minute summer. 5760 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
4320 minute summer	S78	2220	-0.214	0.147	3.0	0.4709	0.0000	OK
4320 minute summer	S79	2220	-0.215	0.167	3.9	0.5276	0.0000	OK
4320 minute summer	S30	2220	-0.216	0.191	22.8	0.4871	0.0000	OK
4320 minute summer	S31	2220	-0.228	0.108	1.1	0.3575	0.0000	OK
4320 minute summer	S32	2220	-0.228	0.151	2.0	0.4654	0.0000	OK
4320 minute summer	S33	2220	-0.229	0.194	25.0	0.4948	0.0000	OK
4320 minute summer	S34	2220	-0.244	0.195	25.5	0.3443	0.0000	OK
4320 minute summer	S35	2220	-0.267	0.199	25.5	0.3509	0.0000	OK
4320 minute summer	S36	4980	-0.269	0.173	0.4	0.3060	0.0000	OK
4320 minute summer	S37	5580	-0.269	0.202	27.6	0.9936	0.0000	OK
4320 minute summer	S38	5580	-0.269	0.247	27.5	0.4367	0.0000	OK
4320 minute summer	S39	5700	-0.269	0.293	27.5	0.5180	0.0000	OK
4320 minute summer	S56	5700	-0.269	0.290	0.0	0.5127	0.0000	OK
4320 minute summer	S57	5700	-0.269	0.296	27.4	0.7537	0.0000	OK
4320 minute summer	S125	5580	-0.269	0.286	0.1	0.5058	0.0000	OK
4320 minute summer	S127	4980	-0.269	0.310	27.4	0.7894	0.0000	OK
4320 minute summer	S119	5700	-0.269	0.300	0.1	0.5306	0.0000	OK
4320 minute summer	S60	4980	-0.269	0.324	27.3	0.8251	0.0000	OK
4320 minute summer	Pond Inlet 1	5220	-0.269	0.341	27.1	0.6025	0.0000	OK
4320 minute summer	Pond Outlet	5220	-0.269	0.341	13.6	0.3856	0.0000	SURCHARGED
4320 minute summer	S13	5340	-0.269	0.369	0.1	1.2784	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	0.513	0.013	0.5	0.1714	0.0000	OK
4320 minute summer	PP-S4	2220	0.514	0.014	0.4	0.1852	0.0000	OK
4320 minute summer	PP-S1	2220	0.520	0.020	1.1	3.6827	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	2.9	0.103	0.042	2.1311	
4320 minute summer	S79	9.003	S30	3.9	0.072	0.054	2.8567	
4320 minute summer	S30	1.007	S33	22.8	0.351	0.320	2.0560	
4320 minute summer	S31	10.000	S32	1.1	0.084	0.015	3.2650	
4320 minute summer	S32	10.001	S33	1.9	0.042	0.027	4.8352	
4320 minute summer	S33	1.008	S34	25.0	0.380	0.354	2.1174	
4320 minute summer	S34	1.009	S35	25.4	0.382	0.358	3.5760	
4320 minute summer	S35	1.010	S37	25.5	0.382	0.384	0.7688	
4320 minute summer	S36	11.000	S37	0.4	-0.045	0.006	3.6018	
4320 minute summer	S37	1.011	S38	27.5	0.416	0.390	7.1508	
4320 minute summer	S38	1.012	S39	27.5	0.409	0.384	8.9740	
4320 minute summer	S39	1.013	S57	27.4	0.409	0.433	0.8200	
4320 minute summer	S56	12.011	S57	0.0	-0.019	-0.001	1.4246	
4320 minute summer	S57	1.014	S127	27.4	0.421	0.387	3.1885	
4320 minute summer	S125	21.003	S127	0.1	-0.002	0.001	5.4970	
4320 minute summer	S127	1.015	S60	27.3	0.437	0.383	3.3061	
4320 minute summer	S119	22.003	S60	0.1	-0.002	0.001	5.7863	
4320 minute summer	S60	1.016	Pond Inlet 1	27.1	0.465	0.359	3.7466	
4320 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	13.6	0.008	0.000	1810.2598	
4320 minute summer	Pond Outlet	1.018	S13	-0.1	0.031	-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	0.5	0.578	0.006	0.0043	
4320 minute summer	PP-S4	1.000_2	S4	0.4	0.412	0.007	0.0049	
4320 minute summer	PP-S1	4.000_1	S1	1.1	0.618	0.016	0.0087	

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Results for 30 year 4320 minute summer. 5760 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
4320 minute summer	PP-S5	2220	0.515	0.015	0.6	0.2410	0.0000	OK
4320 minute summer	PP-S12	2100	0.508	0.008	0.2	0.0962	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	0.510	0.010	0.3	0.2120	0.0000	OK
4320 minute summer	PP-S15	2220	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	0.513	0.013	0.6	0.2082	0.0000	OK
4320 minute summer	PP-S30	2100	0.507	0.007	0.2	0.0702	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	2160	0.511	0.011	0.5	0.1713	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	2160	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 summer	PP-S5	2.000_2	S5	0.6	0.559	0.008	0.0054	
4320 minute summer	PP-S12	8.000_1	S12	0.2	0.470	0.002	0.0021	
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	0.3	0.529	0.003	0.0028	
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	0.6	0.699	0.006	0.0043	
4320 minute summer	PP-S30	18.000_1	S30	0.2	0.541	0.002	0.0018	
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	0.5	0.734	0.004	0.0034	
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	0.4	0.693	0.003	0.0029	

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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	2280	-0.214	0.024	0.2	0.0423	0.0000	OK
4320 minute winter	S25	2280	-0.214	0.030	0.2	0.0752	0.0000	OK
4320 minute winter	S16	2220	-0.215	0.052	1.6	0.2305	0.0000	OK
4320 minute winter	S145	2220	-0.221	0.094	3.3	0.4038	0.0000	OK
4320 minute winter	S4	2280	-0.220	0.023	0.3	0.0400	0.0000	OK
4320 minute winter	S5	2280	-0.222	0.062	0.8	0.1091	0.0000	OK
4320 minute winter	S9	2280	-0.223	0.073	0.3	0.1682	0.0000	OK
4320 minute winter	S10	2280	-0.223	0.098	0.3	0.1730	0.0000	OK
4320 minute winter	S11	2280	-0.223	0.103	1.1	0.1819	0.0000	OK
4320 minute winter	S12	2280	-0.223	0.112	1.3	0.1975	0.0000	OK
4320 minute winter	S1	2280	-0.218	0.046	1.1	0.1094	0.0000	OK
4320 minute winter	S3	2280	-0.222	0.085	1.8	0.2732	0.0000	OK
4320 minute winter	S2	2280	-0.223	0.113	2.1	0.1997	0.0000	OK
4320 minute winter	S14	2280	-0.223	0.086	0.0	0.1512	0.0000	OK
4320 minute winter	S15	2280	-0.223	0.123	4.6	0.5518	0.0000	OK
4320 minute winter	S75	2280	-0.225	0.137	8.0	0.3478	0.0000	OK
4320 minute winter	S87	2280	-0.226	0.060	0.7	0.1935	0.0000	OK
4320 minute winter	S88	2280	-0.227	0.081	1.4	0.2642	0.0000	OK
4320 minute winter	S89	2280	-0.228	0.102	2.1	0.3309	0.0000	OK
4320 minute winter	S90	2280	-0.229	0.123	2.8	0.3924	0.0000	OK
4320 minute winter	S92	2280	-0.230	0.149	11.3	0.3798	0.0000	OK
4320 minute winter	S81	2280	-0.233	0.069	0.7	0.2214	0.0000	OK
4320 minute winter	S82	2280	-0.234	0.090	1.4	0.2928	0.0000	OK
4320 minute winter	S83	2280	-0.234	0.111	2.1	0.3568	0.0000	OK
4320 minute winter	S84	4860	-0.235	0.132	2.8	0.4201	0.0000	OK
4320 minute winter	S86	5040	-0.235	0.158	14.1	0.4031	0.0000	OK
4320 minute winter	S76	5220	-0.235	0.082	0.7	0.2652	0.0000	OK
4320 minute winter	S77	5220	-0.235	0.104	1.4	0.3378	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	0.2	0.049	0.003	0.3872	
4320 minute winter	S25	2.000	S16	0.2	0.042	0.003	0.3354	
4320 minute winter	S16	1.001	S145	1.6	0.119	0.023	1.6104	
4320 minute winter	S145	1.002	S75	3.3	0.119	0.047	3.0525	
4320 minute winter	S4	3.000	S5	0.3	0.075	0.004	0.6618	
4320 minute winter	S5	3.001	S11	0.8	0.101	0.011	1.6676	
4320 minute winter	S9	4.000	S10	0.3	0.061	0.004	1.0698	
4320 minute winter	S10	4.001	S11	0.3	0.038	0.004	0.2289	
4320 minute winter	S11	3.002	S12	1.1	0.086	0.016	0.5251	
4320 minute winter	S12	3.003	S15	1.3	0.057	0.019	0.7620	
4320 minute winter	S1	5.000	S3	1.1	0.102	0.016	1.2570	
4320 minute winter	S3	5.001	S2	1.8	0.105	0.026	1.5074	
4320 minute winter	S2	5.002	S15	2.1	0.089	0.031	0.7118	
4320 minute winter	S14	6.000	S15	0.0	-0.003	0.001	2.0923	
4320 minute winter	S15	3.004	S75	4.6	0.121	0.064	1.1836	
4320 minute winter	S75	1.003	S92	8.0	0.186	0.113	1.4570	
4320 minute winter	S87	7.000	S88	0.7	0.091	0.010	0.6885	
4320 minute winter	S88	7.001	S89	1.4	0.107	0.020	1.0043	
4320 minute winter	S89	7.002	S90	2.1	0.107	0.030	1.3471	
4320 minute winter	S90	7.003	S92	2.8	0.091	0.040	2.2093	
4320 minute winter	S92	1.005	S86	11.3	0.238	0.159	1.3234	
4320 minute winter	S81	8.000	S82	0.7	0.085	0.010	0.8189	
4320 minute winter	S82	8.001	S83	1.4	0.105	0.020	1.1438	
4320 minute winter	S83	8.002	S84	2.1	0.103	0.030	1.4973	
4320 minute winter	S84	8.003	S86	2.8	0.086	0.040	2.2937	
4320 minute winter	S86	1.006	S30	14.1	0.280	0.199	1.4724	
4320 minute winter	S76	9.000	S77	0.7	0.080	0.010	1.0351	
4320 minute winter	S77	9.001	S78	1.4	0.098	0.020	1.3947	

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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	5220	-0.235	0.126	2.1	0.4063	0.0000	OK
4320 minute winter	S79	5040	-0.235	0.147	2.8	0.4657	0.0000	OK
4320 minute winter	S30	5040	-0.235	0.172	17.1	0.4388	0.0000	OK
4320 minute winter	S31	5040	-0.234	0.102	0.8	0.3362	0.0000	OK
4320 minute winter	S32	4860	-0.234	0.145	1.5	0.4463	0.0000	OK
4320 minute winter	S33	5040	-0.235	0.188	18.8	0.4796	0.0000	OK
4320 minute winter	S34	5040	-0.235	0.204	19.2	0.3613	0.0000	OK
4320 minute winter	S35	5040	-0.235	0.231	19.3	0.4089	0.0000	OK
4320 minute winter	S36	5040	-0.235	0.207	0.3	0.3664	0.0000	OK
4320 minute winter	S37	5040	-0.235	0.236	20.8	1.1622	0.0000	OK
4320 minute winter	S38	5040	-0.235	0.281	20.8	0.4972	0.0000	OK
4320 minute winter	S39	5040	-0.235	0.327	20.8	0.5784	0.0000	OK
4320 minute winter	S56	5040	-0.235	0.324	0.1	0.5732	0.0000	OK
4320 minute winter	S57	5040	-0.235	0.330	20.7	0.8407	0.0000	OK
4320 minute winter	S125	5400	-0.235	0.320	0.1	0.5660	0.0000	OK
4320 minute winter	S127	5580	-0.235	0.344	20.7	0.8763	0.0000	OK
4320 minute winter	S119	5220	-0.235	0.334	0.1	0.5909	0.0000	OK
4320 minute winter	S60	5220	-0.235	0.358	20.6	0.9120	0.0000	OK
4320 minute winter	Pond Inlet 1	4620	-0.235	0.375	20.5	0.6631	0.0000	OK
4320 minute winter	Pond Outlet	4620	-0.235	0.375	10.2	0.4244	0.0000	SURCHARGED
4320 minute winter	S13	5160	-0.235	0.403	0.1	1.3972	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	1920	0.512	0.012	0.2	0.1403	0.0000	OK
4320 minute winter	PP-S25	1980	0.510	0.010	0.2	0.0943	0.0000	OK
4320 minute winter	PP-S16	1920	0.511	0.011	0.3	0.1261	0.0000	OK
4320 minute winter	PP-S145	2040	0.511	0.011	0.4	0.1411	0.0000	OK
4320 minute winter	PP-S4	1980	0.512	0.012	0.3	0.1429	0.0000	OK
4320 minute winter	PP-S1	2340	0.518	0.018	0.8	2.7955	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	2.1	0.100	0.030	1.7687	
4320 minute winter	S79	9.003	S30	2.8	0.088	0.039	2.4505	
4320 minute winter	S30	1.007	S33	17.1	0.327	0.240	1.8818	
4320 minute winter	S31	10.000	S32	0.8	0.084	0.011	3.0479	
4320 minute winter	S32	10.001	S33	1.5	0.047	0.021	4.6076	
4320 minute winter	S33	1.008	S34	18.8	0.353	0.266	2.1441	
4320 minute winter	S34	1.009	S35	19.2	0.353	0.270	4.0862	
4320 minute winter	S35	1.010	S37	19.3	0.352	0.290	0.9429	
4320 minute winter	S36	11.000	S37	0.3	0.011	0.004	4.4797	
4320 minute winter	S37	1.011	S38	20.8	0.382	0.295	8.5291	
4320 minute winter	S38	1.012	S39	20.8	0.369	0.291	10.3002	
4320 minute winter	S39	1.013	S57	20.7	0.366	0.327	0.9255	
4320 minute winter	S56	12.011	S57	-0.1	-0.018	-0.001	1.6096	
4320 minute winter	S57	1.014	S127	20.7	0.375	0.293	3.5780	
4320 minute winter	S125	21.003	S127	-0.1	-0.004	-0.001	6.1866	
4320 minute winter	S127	1.015	S60	20.6	0.386	0.289	3.6761	
4320 minute winter	S119	22.003	S60	-0.1	-0.003	-0.001	6.4538	
4320 minute winter	S60	1.016	Pond Inlet 1	20.5	0.428	0.270	4.1267	
4320 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	10.2	0.008	0.000	2004.2732	
4320 minute winter	Pond Outlet	1.018	S13	-0.1	0.032	-0.001	0.4779	
4320 minute winter	S13	Pump	Final Outfall	0.0				0.0
4320 minute winter	PP-S26	1.000_1	S26	0.2	0.266	0.005	0.0075	
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	0.3	0.426	0.004	0.0035	
4320 minute winter	PP-S145	4.000_2	S145	0.4	0.542	0.005	0.0037	
4320 minute winter	PP-S4	1.000_2	S4	0.3	0.378	0.005	0.0040	
4320 minute winter	PP-S1	4.000_1	S1	0.8	0.564	0.012	0.0071	

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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	2220	0.513	0.013	0.5	0.2037	0.0000	OK
4320 minute winter	PP-S12	2100	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	2220	0.510	0.010	0.3	0.2120	0.0000	OK
4320 minute winter	PP-S15	1980	0.508	0.008	0.2	0.0668	0.0000	OK
4320 minute winter	PP-S75	1980	0.508	0.008	0.2	0.0739	0.0000	OK
4320 minute winter	PP-S24	2220	0.512	0.012	0.5	0.1774	0.0000	OK
4320 minute winter	PP-S30	2040	0.507	0.007	0.2	0.0702	0.0000	OK
4320 minute winter	PP-S33	1860	0.507	0.007	0.2	0.0576	0.0000	OK
4320 minute winter	PP-S34	2040	0.510	0.010	0.4	0.1423	0.0000	OK
4320 minute winter	PP-S35	2040	0.505	0.005	0.1	0.0345	0.0000	OK
4320 minute winter	PP-S36	1920	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)
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	0.4	0.690	0.003	0.0029	
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	0.3	0.639	0.003	0.0023	

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Results for 30 year 5760 minute summer. 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 summer	S26	2940	-0.209	0.029	0.2	0.0517	0.0000	OK
5760 minute summer	S25	2940	-0.209	0.035	0.2	0.0893	0.0000	OK
5760 minute summer	S16	2940	-0.209	0.058	1.8	0.2562	0.0000	OK
5760 minute summer	S145	2940	-0.215	0.100	3.6	0.4319	0.0000	OK
5760 minute summer	S4	2940	-0.214	0.029	0.4	0.0512	0.0000	OK
5760 minute summer	S5	2940	-0.216	0.068	0.9	0.1205	0.0000	OK
5760 minute summer	S9	2940	-0.216	0.080	0.3	0.1832	0.0000	OK
5760 minute summer	S10	2940	-0.217	0.104	0.3	0.1846	0.0000	OK
5760 minute summer	S11	2940	-0.217	0.109	1.2	0.1934	0.0000	OK
5760 minute summer	S12	2940	-0.217	0.118	1.4	0.2091	0.0000	OK
5760 minute summer	S1	2940	-0.212	0.052	1.2	0.1224	0.0000	OK
5760 minute summer	S3	2940	-0.215	0.092	2.0	0.2938	0.0000	OK
5760 minute summer	S2	2940	-0.216	0.120	2.2	0.2113	0.0000	OK
5760 minute summer	S14	2940	-0.217	0.092	0.0	0.1629	0.0000	OK
5760 minute summer	S15	2940	-0.217	0.129	4.9	0.5815	0.0000	OK
5760 minute summer	S75	2940	-0.219	0.143	8.5	0.3650	0.0000	OK
5760 minute summer	S87	2940	-0.220	0.066	0.8	0.2156	0.0000	OK
5760 minute summer	S88	2940	-0.220	0.088	1.6	0.2866	0.0000	OK
5760 minute summer	S89	2940	-0.221	0.109	2.4	0.3534	0.0000	OK
5760 minute summer	S90	2940	-0.222	0.130	3.2	0.4144	0.0000	OK
5760 minute summer	S92	2940	-0.223	0.156	12.1	0.3973	0.0000	OK
5760 minute summer	S81	2940	-0.226	0.076	0.8	0.2438	0.0000	OK
5760 minute summer	S82	2940	-0.227	0.097	1.6	0.3154	0.0000	OK
5760 minute summer	S83	2940	-0.227	0.118	2.4	0.3794	0.0000	OK
5760 minute summer	S84	2940	-0.228	0.139	3.2	0.4404	0.0000	OK
5760 minute summer	S86	2940	-0.229	0.164	15.3	0.4175	0.0000	OK
5760 minute summer	S76	2940	-0.235	0.082	0.8	0.2622	0.0000	OK
5760 minute summer	S77	2940	-0.236	0.103	1.6	0.3339	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	0.2	0.049	0.003	0.4682	
5760 minute summer	S25	2.000	S16	0.2	0.042	0.003	0.4054	
5760 minute summer	S16	1.001	S145	1.8	0.125	0.025	1.8041	
5760 minute summer	S145	1.002	S75	3.5	0.118	0.050	3.3001	
5760 minute summer	S4	3.000	S5	0.4	0.075	0.006	0.7981	
5760 minute summer	S5	3.001	S11	0.9	0.101	0.012	1.8535	
5760 minute summer	S9	4.000	S10	0.3	0.061	0.004	1.1877	
5760 minute summer	S10	4.001	S11	0.3	0.038	0.004	0.2504	
5760 minute summer	S11	3.002	S12	1.2	0.086	0.017	0.5709	
5760 minute summer	S12	3.003	S15	1.4	0.057	0.021	0.8226	
5760 minute summer	S1	5.000	S3	1.2	0.104	0.016	1.4211	
5760 minute summer	S3	5.001	S2	1.9	0.104	0.027	1.6489	
5760 minute summer	S2	5.002	S15	2.2	0.087	0.033	0.7683	
5760 minute summer	S14	6.000	S15	0.0	-0.003	0.000	2.2797	
5760 minute summer	S15	3.004	S75	4.9	0.123	0.069	1.2692	
5760 minute summer	S75	1.003	S92	8.6	0.188	0.120	1.5538	
5760 minute summer	S87	7.000	S88	0.8	0.090	0.011	0.7870	
5760 minute summer	S88	7.001	S89	1.6	0.107	0.022	1.1134	
5760 minute summer	S89	7.002	S90	2.4	0.110	0.033	1.4645	
5760 minute summer	S90	7.003	S92	3.1	0.098	0.045	2.3655	
5760 minute summer	S92	1.005	S86	12.1	0.241	0.171	1.4059	
5760 minute summer	S81	8.000	S82	0.8	0.085	0.011	0.9239	
5760 minute summer	S82	8.001	S83	1.6	0.103	0.023	1.2582	
5760 minute summer	S83	8.002	S84	2.4	0.103	0.033	1.6141	
5760 minute summer	S84	8.003	S86	3.1	0.084	0.044	2.4248	
5760 minute summer	S86	1.006	S30	15.2	0.285	0.215	1.4890	
5760 minute summer	S76	9.000	S77	0.8	0.080	0.011	1.0182	
5760 minute summer	S77	9.001	S78	1.6	0.095	0.022	1.3709	

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Results for 30 year 5760 minute summer. 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 summer	S78	2940	-0.236	0.125	2.4	0.4011	0.0000	OK
5760 minute summer	S79	2940	-0.237	0.145	3.2	0.4588	0.0000	OK
5760 minute summer	S30	2940	-0.237	0.170	18.6	0.4316	0.0000	OK
5760 minute summer	S31	2940	-0.250	0.086	0.9	0.2857	0.0000	OK
5760 minute summer	S32	2940	-0.250	0.129	1.6	0.3981	0.0000	OK
5760 minute summer	S33	2940	-0.250	0.173	20.3	0.4393	0.0000	OK
5760 minute summer	S34	6960	-0.252	0.187	20.7	0.3309	0.0000	OK
5760 minute summer	S35	6960	-0.252	0.214	20.7	0.3786	0.0000	OK
5760 minute summer	S36	6960	-0.252	0.190	0.3	0.3362	0.0000	OK
5760 minute summer	S37	6960	-0.252	0.219	22.4	1.0780	0.0000	OK
5760 minute summer	S38	6960	-0.252	0.264	22.4	0.4671	0.0000	OK
5760 minute summer	S39	6300	-0.252	0.310	22.3	0.5484	0.0000	OK
5760 minute summer	S56	6300	-0.252	0.307	0.0	0.5431	0.0000	OK
5760 minute summer	S57	6300	-0.252	0.313	22.3	0.7974	0.0000	OK
5760 minute summer	S125	6300	-0.252	0.303	0.1	0.5359	0.0000	OK
5760 minute summer	S127	6300	-0.252	0.327	22.2	0.8331	0.0000	OK
5760 minute summer	S119	6300	-0.252	0.317	0.0	0.5609	0.0000	OK
5760 minute summer	S60	6300	-0.252	0.341	22.1	0.8686	0.0000	OK
5760 minute summer	Pond Inlet 1	6420	-0.252	0.358	22.0	0.6328	0.0000	OK
5760 minute summer	Pond Outlet	6240	-0.252	0.358	11.0	0.4050	0.0000	SURCHARGED
5760 minute summer	S13	6120	-0.252	0.386	0.1	1.3377	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	2760	0.512	0.012	0.2	0.1403	0.0000	OK
5760 minute summer	PP-S25	2820	0.510	0.010	0.2	0.0943	0.0000	OK
5760 minute summer	PP-S16	2940	0.513	0.013	0.4	0.1619	0.0000	OK
5760 minute summer	PP-S145	2880	0.511	0.011	0.4	0.1411	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	0.518	0.018	0.9	3.0330	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	2.4	0.103	0.034	1.7351	
5760 minute summer	S79	9.003	S30	3.1	0.076	0.044	2.3980	
5760 minute summer	S30	1.007	S33	18.6	0.336	0.261	1.7518	
5760 minute summer	S31	10.000	S32	0.9	0.088	0.012	2.5300	
5760 minute summer	S32	10.001	S33	1.6	0.043	0.022	4.0297	
5760 minute summer	S33	1.008	S34	20.3	0.361	0.287	1.8985	
5760 minute summer	S34	1.009	S35	20.6	0.361	0.291	3.6739	
5760 minute summer	S35	1.010	S37	20.7	0.361	0.312	0.8556	
5760 minute summer	S36	11.000	S37	0.3	-0.043	0.005	4.0390	
5760 minute summer	S37	1.011	S38	22.4	0.390	0.317	7.8428	
5760 minute summer	S38	1.012	S39	22.3	0.373	0.312	9.6463	
5760 minute summer	S39	1.013	S57	22.3	0.366	0.351	0.8740	
5760 minute summer	S56	12.011	S57	0.0	0.000	-0.001	1.5192	
5760 minute summer	S57	1.014	S127	22.2	0.372	0.314	3.3883	
5760 minute summer	S125	21.003	S127	-0.1	-0.001	-0.001	5.8496	
5760 minute summer	S127	1.015	S60	22.1	0.375	0.311	3.4963	
5760 minute summer	S119	22.003	S60	0.1	-0.001	0.001	6.1291	
5760 minute summer	S60	1.016	Pond Inlet 1	22.0	0.378	0.290	3.9426	
5760 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	11.0	0.007	0.000	1907.1570	
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	0.2	0.266	0.005	0.0075	
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	0.4	0.542	0.005	0.0037	
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	0.9	0.580	0.013	0.0075	

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Results for 30 year 5760 minute summer. 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 summer	PP-S5	2940	0.513	0.013	0.5	0.2037	0.0000	OK
5760 minute summer	PP-S12	2880	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	3000	0.510	0.010	0.3	0.2120	0.0000	OK
5760 minute summer	PP-S15	2820	0.508	0.008	0.2	0.0668	0.0000	OK
5760 minute summer	PP-S75	2820	0.508	0.008	0.2	0.0739	0.0000	OK
5760 minute summer	PP-S24	2940	0.512	0.012	0.5	0.1774	0.0000	OK
5760 minute summer	PP-S30	2880	0.507	0.007	0.2	0.0702	0.0000	OK
5760 minute summer	PP-S33	2700	0.507	0.007	0.2	0.0576	0.0000	OK
5760 minute summer	PP-S34	2880	0.510	0.010	0.4	0.1423	0.0000	OK
5760 minute summer	PP-S35	2820	0.505	0.005	0.1	0.0345	0.0000	OK
5760 minute summer	PP-S36	2760	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 summer	PP-S5	2.000_2	S5	0.5	0.528	0.007	0.0047	
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	0.5	0.663	0.005	0.0038	
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	0.2	0.551	0.002	0.0018	
5760 minute summer	PP-S34	21.000_1	S34	0.4	0.690	0.003	0.0029	
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	0.3	0.639	0.003	0.0023	

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Results for 30 year 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	7200	-0.216	0.022	0.2	0.0396	0.0000	OK
5760 minute winter	S25	6420	-0.216	0.028	0.2	0.0722	0.0000	OK
5760 minute winter	S16	6420	-0.216	0.051	1.4	0.2275	0.0000	OK
5760 minute winter	S145	6600	-0.216	0.099	2.7	0.4276	0.0000	OK
5760 minute winter	S4	6600	-0.216	0.027	0.3	0.0485	0.0000	OK
5760 minute winter	S5	6420	-0.216	0.068	0.7	0.1208	0.0000	OK
5760 minute winter	S9	6240	-0.216	0.080	0.2	0.1852	0.0000	OK
5760 minute winter	S10	6600	-0.216	0.105	0.2	0.1860	0.0000	OK
5760 minute winter	S11	6600	-0.216	0.110	0.9	0.1949	0.0000	OK
5760 minute winter	S12	6240	-0.216	0.119	1.0	0.2108	0.0000	OK
5760 minute winter	S1	6240	-0.216	0.048	0.8	0.1139	0.0000	OK
5760 minute winter	S3	6420	-0.216	0.091	1.4	0.2920	0.0000	OK
5760 minute winter	S2	6600	-0.216	0.120	1.6	0.2125	0.0000	OK
5760 minute winter	S14	6420	-0.216	0.093	0.1	0.1651	0.0000	OK
5760 minute winter	S15	6240	-0.216	0.130	3.6	0.5864	0.0000	OK
5760 minute winter	S75	6420	-0.216	0.146	6.5	0.3723	0.0000	OK
5760 minute winter	S87	6420	-0.216	0.070	0.6	0.2282	0.0000	OK
5760 minute winter	S88	6240	-0.216	0.092	1.2	0.3011	0.0000	OK
5760 minute winter	S89	6240	-0.216	0.114	1.8	0.3707	0.0000	OK
5760 minute winter	S90	6240	-0.216	0.136	2.4	0.4344	0.0000	OK
5760 minute winter	S92	6240	-0.216	0.163	9.3	0.4156	0.0000	OK
5760 minute winter	S81	6600	-0.216	0.086	0.6	0.2789	0.0000	OK
5760 minute winter	S82	6600	-0.216	0.108	1.2	0.3518	0.0000	OK
5760 minute winter	S83	6600	-0.216	0.129	1.8	0.4175	0.0000	OK
5760 minute winter	S84	6480	-0.216	0.151	2.4	0.4800	0.0000	OK
5760 minute winter	S86	6600	-0.216	0.177	11.7	0.4512	0.0000	OK
5760 minute winter	S76	7200	-0.216	0.101	0.6	0.3258	0.0000	OK
5760 minute winter	S77	7140	-0.216	0.123	1.2	0.3987	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	0.050	0.003	0.3720	
5760 minute winter	S25	2.000	S16	0.2	0.042	0.003	0.3253	
5760 minute winter	S16	1.001	S145	1.4	0.122	0.020	1.6962	
5760 minute winter	S145	1.002	S75	2.7	0.118	0.038	3.3394	
5760 minute winter	S4	3.000	S5	0.3	0.078	0.004	0.7870	
5760 minute winter	S5	3.001	S11	0.7	0.101	0.010	1.8685	
5760 minute winter	S9	4.000	S10	0.2	0.059	0.003	1.2032	
5760 minute winter	S10	4.001	S11	0.2	0.033	0.003	0.2531	
5760 minute winter	S11	3.002	S12	0.9	0.084	0.013	0.5771	
5760 minute winter	S12	3.003	S15	1.0	0.054	0.015	0.8321	
5760 minute winter	S1	5.000	S3	0.8	0.102	0.011	1.3677	
5760 minute winter	S3	5.001	S2	1.4	0.104	0.020	1.6506	
5760 minute winter	S2	5.002	S15	1.6	0.087	0.024	0.7761	
5760 minute winter	S14	6.000	S15	-0.1	-0.005	-0.002	2.3126	
5760 minute winter	S15	3.004	S75	3.6	0.120	0.050	1.2951	
5760 minute winter	S75	1.003	S92	6.5	0.178	0.091	1.6262	
5760 minute winter	S87	7.000	S88	0.6	0.088	0.008	0.8486	
5760 minute winter	S88	7.001	S89	1.2	0.107	0.017	1.1936	
5760 minute winter	S89	7.002	S90	1.8	0.111	0.025	1.5657	
5760 minute winter	S90	7.003	S92	2.4	0.091	0.034	2.5200	
5760 minute winter	S92	1.005	S86	9.3	0.229	0.130	1.5288	
5760 minute winter	S81	8.000	S82	0.6	0.085	0.008	1.0964	
5760 minute winter	S82	8.001	S83	1.2	0.103	0.017	1.4519	
5760 minute winter	S83	8.002	S84	1.8	0.103	0.025	1.8302	
5760 minute winter	S84	8.003	S86	2.4	0.079	0.034	2.7091	
5760 minute winter	S86	1.006	S30	11.6	0.270	0.164	1.7023	
5760 minute winter	S76	9.000	S77	0.6	0.080	0.008	1.3418	
5760 minute winter	S77	9.001	S78	1.2	0.096	0.017	1.7233	

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Results for 30 year 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	6060	-0.216	0.145	1.8	0.4671	0.0000	OK
5760 minute winter	S79	6540	-0.216	0.166	2.4	0.5254	0.0000	OK
5760 minute winter	S30	6600	-0.216	0.191	14.1	0.4869	0.0000	OK
5760 minute winter	S31	6600	-0.216	0.120	0.6	0.3985	0.0000	OK
5760 minute winter	S32	6540	-0.216	0.163	1.1	0.5044	0.0000	OK
5760 minute winter	S33	6600	-0.216	0.207	15.4	0.5276	0.0000	OK
5760 minute winter	S34	6600	-0.216	0.223	15.7	0.3946	0.0000	OK
5760 minute winter	S35	6600	-0.216	0.250	15.7	0.4423	0.0000	OK
5760 minute winter	S36	7080	-0.216	0.226	0.2	0.3999	0.0000	OK
5760 minute winter	S37	6600	-0.216	0.255	16.9	1.2551	0.0000	OK
5760 minute winter	S38	6600	-0.216	0.300	16.9	0.5307	0.0000	OK
5760 minute winter	S39	6600	-0.216	0.346	16.8	0.6120	0.0000	OK
5760 minute winter	S56	6600	-0.216	0.343	0.1	0.6066	0.0000	OK
5760 minute winter	S57	6600	-0.216	0.349	16.8	0.8890	0.0000	OK
5760 minute winter	S125	6060	-0.216	0.339	0.1	0.5998	0.0000	OK
5760 minute winter	S127	6060	-0.216	0.363	16.7	0.9247	0.0000	OK
5760 minute winter	S119	6060	-0.216	0.353	0.0	0.6244	0.0000	OK
5760 minute winter	S60	6060	-0.216	0.377	16.6	0.9603	0.0000	OK
5760 minute winter	Pond Inlet 1	6000	-0.216	0.394	16.5	0.6965	0.0000	OK
5760 minute winter	Pond Outlet	6000	-0.216	0.394	8.3	0.4458	0.0000	SURCHARGED
5760 minute winter	S13	5940	-0.216	0.422	0.1	1.4627	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	2700	0.512	0.012	0.2	0.1403	0.0000	OK
5760 minute winter	PP-S25	2880	0.510	0.010	0.2	0.0943	0.0000	OK
5760 minute winter	PP-S16	2760	0.511	0.011	0.3	0.1261	0.0000	OK
5760 minute winter	PP-S145	2580	0.510	0.010	0.3	0.1113	0.0000	OK
5760 minute winter	PP-S4	2940	0.512	0.012	0.3	0.1429	0.0000	OK
5760 minute winter	PP-S1	3240	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)
5760 minute winter	S78	9.002	S79	1.8	0.100	0.026	2.1136	
5760 minute winter	S79	9.003	S30	2.4	0.071	0.033	2.8484	
5760 minute winter	S30	1.007	S33	14.1	0.315	0.199	2.1465	
5760 minute winter	S31	10.000	S32	0.6	0.081	0.009	3.7073	
5760 minute winter	S32	10.001	S33	1.1	0.053	0.016	5.3171	
5760 minute winter	S33	1.008	S34	15.4	0.338	0.219	2.4157	
5760 minute winter	S34	1.009	S35	15.7	0.336	0.221	4.5398	
5760 minute winter	S35	1.010	S37	15.7	0.333	0.236	1.0384	
5760 minute winter	S36	11.000	S37	0.2	0.011	0.003	4.9667	
5760 minute winter	S37	1.011	S38	16.9	0.354	0.239	9.2777	
5760 minute winter	S38	1.012	S39	16.8	0.335	0.235	11.0026	
5760 minute winter	S39	1.013	S57	16.8	0.329	0.265	0.9804	
5760 minute winter	S56	12.011	S57	0.1	-0.012	0.001	1.7057	
5760 minute winter	S57	1.014	S127	16.7	0.334	0.237	3.7784	
5760 minute winter	S125	21.003	S127	0.4	-0.007	0.005	6.5459	
5760 minute winter	S127	1.015	S60	16.6	0.340	0.234	3.8637	
5760 minute winter	S119	22.003	S60	0.5	0.004	0.007	6.7939	
5760 minute winter	S60	1.016	Pond Inlet 1	16.5	0.379	0.218	4.3137	
5760 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	8.3	0.007	0.000	2111.8462	
5760 minute winter	Pond Outlet	1.018	S13	0.1	0.032	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	0.3	0.500	0.004	0.0030	
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	0.6	0.517	0.009	0.0058	

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Results for 30 year 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	2820	0.512	0.012	0.4	0.1671	0.0000	OK
5760 minute winter	PP-S12	1920	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	2580	0.508	0.008	0.2	0.1482	0.0000	OK
5760 minute winter	PP-S15	2880	0.508	0.008	0.2	0.0668	0.0000	OK
5760 minute winter	PP-S75	2940	0.508	0.008	0.2	0.0739	0.0000	OK
5760 minute winter	PP-S24	2820	0.510	0.010	0.4	0.1471	0.0000	OK
5760 minute winter	PP-S30	1860	0.505	0.005	0.1	0.0392	0.0000	OK
5760 minute winter	PP-S33	2700	0.507	0.007	0.2	0.0576	0.0000	OK
5760 minute winter	PP-S34	2580	0.509	0.009	0.3	0.1114	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	2220	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 winter	PP-S5	2.000_2	S5	0.4	0.494	0.005	0.0040	
5760 minute winter	PP-S12	8.000_1	S12	0.1	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	0.2	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	0.1	0.436	0.001	0.0011	
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	0.3	0.636	0.003	0.0024	
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	0.2	0.567	0.002	0.0018	

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Results for 30 year 7200 minute summer. 8640 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
7200 minute summer	S26	3660	-0.218	0.020	0.2	0.0345	0.0000	OK
7200 minute summer	S25	3660	-0.219	0.025	0.2	0.0631	0.0000	OK
7200 minute summer	S16	3660	-0.220	0.047	1.5	0.2079	0.0000	OK
7200 minute summer	S145	3660	-0.228	0.087	3.1	0.3762	0.0000	OK
7200 minute summer	S4	3600	-0.222	0.021	0.3	0.0373	0.0000	OK
7200 minute summer	S5	3660	-0.229	0.055	0.7	0.0967	0.0000	OK
7200 minute summer	S9	3660	-0.230	0.066	0.2	0.1518	0.0000	OK
7200 minute summer	S10	3660	-0.230	0.091	0.2	0.1605	0.0000	OK
7200 minute summer	S11	3660	-0.230	0.096	1.0	0.1693	0.0000	OK
7200 minute summer	S12	3660	-0.230	0.105	1.1	0.1850	0.0000	OK
7200 minute summer	S1	3660	-0.223	0.041	1.0	0.0955	0.0000	OK
7200 minute summer	S3	3660	-0.228	0.079	1.7	0.2515	0.0000	OK
7200 minute summer	S2	3660	-0.230	0.106	1.9	0.1873	0.0000	OK
7200 minute summer	S14	3660	-0.230	0.079	0.0	0.1388	0.0000	OK
7200 minute summer	S15	3660	-0.230	0.116	4.0	0.5202	0.0000	OK
7200 minute summer	S75	3660	-0.232	0.130	7.2	0.3303	0.0000	OK
7200 minute summer	S87	3660	-0.232	0.054	0.7	0.1744	0.0000	OK
7200 minute summer	S88	3660	-0.233	0.075	1.4	0.2440	0.0000	OK
7200 minute summer	S89	8460	-0.233	0.097	2.1	0.3136	0.0000	OK
7200 minute summer	S90	7740	-0.233	0.119	2.8	0.3780	0.0000	OK
7200 minute summer	S92	8580	-0.233	0.146	10.4	0.3708	0.0000	OK
7200 minute summer	S81	7920	-0.233	0.069	0.7	0.2222	0.0000	OK
7200 minute summer	S82	7920	-0.233	0.091	1.4	0.2946	0.0000	OK
7200 minute summer	S83	7740	-0.233	0.112	2.1	0.3608	0.0000	OK
7200 minute summer	S84	7920	-0.233	0.134	2.8	0.4243	0.0000	OK
7200 minute summer	S86	7920	-0.233	0.160	13.1	0.4065	0.0000	OK
7200 minute summer	S76	7860	-0.233	0.084	0.7	0.2694	0.0000	OK
7200 minute summer	S77	8460	-0.233	0.106	1.4	0.3419	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	0.049	0.003	0.3199	
7200 minute summer	S25	2.000	S16	0.2	0.040	0.003	0.2800	
7200 minute summer	S16	1.001	S145	1.5	0.124	0.021	1.4332	
7200 minute summer	S145	1.002	S75	3.1	0.119	0.043	2.8106	
7200 minute summer	S4	3.000	S5	0.3	0.078	0.004	0.5612	
7200 minute summer	S5	3.001	S11	0.7	0.101	0.010	1.4711	
7200 minute summer	S9	4.000	S10	0.2	0.059	0.003	0.9455	
7200 minute summer	S10	4.001	S11	0.2	0.034	0.003	0.2063	
7200 minute summer	S11	3.002	S12	1.0	0.085	0.014	0.4768	
7200 minute summer	S12	3.003	S15	1.1	0.054	0.016	0.6983	
7200 minute summer	S1	5.000	S3	1.0	0.101	0.014	1.0889	
7200 minute summer	S3	5.001	S2	1.7	0.106	0.024	1.3607	
7200 minute summer	S2	5.002	S15	1.9	0.089	0.027	0.6529	
7200 minute summer	S14	6.000	S15	0.0	-0.002	0.001	1.8967	
7200 minute summer	S15	3.004	S75	4.0	0.120	0.055	1.0958	
7200 minute summer	S75	1.003	S92	7.2	0.182	0.101	1.3769	
7200 minute summer	S87	7.000	S88	0.7	0.090	0.010	0.6054	
7200 minute summer	S88	7.001	S89	1.4	0.108	0.019	0.9151	
7200 minute summer	S89	7.002	S90	2.1	0.108	0.029	1.2647	
7200 minute summer	S90	7.003	S92	2.8	0.098	0.039	2.1195	
7200 minute summer	S92	1.005	S86	10.3	0.231	0.145	1.3181	
7200 minute summer	S81	8.000	S82	0.7	0.085	0.010	0.8251	
7200 minute summer	S82	8.001	S83	1.4	0.105	0.020	1.1586	
7200 minute summer	S83	8.002	S84	2.1	0.103	0.029	1.5200	
7200 minute summer	S84	8.003	S86	2.8	0.084	0.039	2.3225	
7200 minute summer	S86	1.006	S30	13.1	0.275	0.184	1.4881	
7200 minute summer	S76	9.000	S77	0.7	0.080	0.010	1.0553	
7200 minute summer	S77	9.001	S78	1.4	0.099	0.019	1.4157	

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Results for 30 year 7200 minute summer. 8640 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
7200 minute summer	S78	7920	-0.233	0.128	2.1	0.4103	0.0000	OK
7200 minute summer	S79	7920	-0.233	0.149	2.8	0.4698	0.0000	OK
7200 minute summer	S30	7920	-0.233	0.174	16.0	0.4421	0.0000	OK
7200 minute summer	S31	7740	-0.233	0.103	0.7	0.3404	0.0000	OK
7200 minute summer	S32	7920	-0.233	0.146	1.3	0.4503	0.0000	OK
7200 minute summer	S33	7920	-0.233	0.190	17.5	0.4829	0.0000	OK
7200 minute summer	S34	8400	-0.233	0.206	17.8	0.3635	0.0000	OK
7200 minute summer	S35	7920	-0.233	0.233	17.9	0.4112	0.0000	OK
7200 minute summer	S36	8400	-0.233	0.209	0.3	0.3688	0.0000	OK
7200 minute summer	S37	7920	-0.233	0.238	19.4	1.1685	0.0000	OK
7200 minute summer	S38	8400	-0.233	0.283	19.3	0.4996	0.0000	OK
7200 minute summer	S39	7260	-0.233	0.329	19.3	0.5811	0.0000	OK
7200 minute summer	S56	7260	-0.233	0.326	0.2	0.5758	0.0000	OK
7200 minute summer	S57	7260	-0.233	0.332	19.2	0.8445	0.0000	OK
7200 minute summer	S125	8400	-0.233	0.322	0.1	0.5686	0.0000	OK
7200 minute summer	S127	8400	-0.233	0.346	19.2	0.8799	0.0000	OK
7200 minute summer	S119	7200	-0.231	0.338	1.5	0.5974	0.0000	OK
7200 minute summer	S60	7200	-0.233	0.360	19.1	0.9160	0.0000	OK
7200 minute summer	Pond Inlet 1	7500	-0.233	0.377	19.0	0.6654	0.0000	OK
7200 minute summer	Pond Outlet	7500	-0.233	0.377	9.5	0.4259	0.0000	SURCHARGED
7200 minute summer	S13	7620	-0.233	0.405	0.1	1.4017	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	3540	0.512	0.012	0.2	0.1403	0.0000	OK
7200 minute summer	PP-S25	3600	0.510	0.010	0.2	0.0943	0.0000	OK
7200 minute summer	PP-S16	3540	0.511	0.011	0.3	0.1261	0.0000	OK
7200 minute summer	PP-S145	3660	0.511	0.011	0.4	0.1411	0.0000	OK
7200 minute summer	PP-S4	3600	0.512	0.012	0.3	0.1429	0.0000	OK
7200 minute summer	PP-S1	3720	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)
7200 minute summer	S78	9.002	S79	2.1	0.103	0.030	1.7919	
7200 minute summer	S79	9.003	S30	2.7	0.076	0.038	2.4775	
7200 minute summer	S30	1.007	S33	16.0	0.324	0.225	1.8997	
7200 minute summer	S31	10.000	S32	0.7	0.086	0.010	3.0904	
7200 minute summer	S32	10.001	S33	1.4	0.043	0.019	4.6564	
7200 minute summer	S33	1.008	S34	17.4	0.347	0.247	2.1622	
7200 minute summer	S34	1.009	S35	17.8	0.346	0.251	4.1167	
7200 minute summer	S35	1.010	S37	17.9	0.344	0.269	0.9494	
7200 minute summer	S36	11.000	S37	0.3	-0.043	0.004	4.5134	
7200 minute summer	S37	1.011	S38	19.3	0.368	0.274	8.5808	
7200 minute summer	S38	1.012	S39	19.3	0.341	0.270	10.3523	
7200 minute summer	S39	1.013	S57	19.2	0.325	0.303	0.9299	
7200 minute summer	S56	12.011	S57	-0.2	-0.002	-0.003	1.6174	
7200 minute summer	S57	1.014	S127	19.2	0.325	0.271	3.5934	
7200 minute summer	S125	21.003	S127	0.2	-0.002	0.002	6.2146	
7200 minute summer	S127	1.015	S60	19.1	0.320	0.268	3.6903	
7200 minute summer	S119	22.003	S60	-1.5	-0.011	-0.021	6.5034	
7200 minute summer	S60	1.016	Pond Inlet 1	19.0	0.334	0.250	4.1404	
7200 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	9.5	0.007	0.000	2011.6030	
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	0.3	0.426	0.004	0.0035	
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	0.7	0.541	0.011	0.0064	

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Results for 30 year 7200 minute summer. 8640 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
7200 minute summer	PP-S5	3540	0.512	0.012	0.4	0.1671	0.0000	OK
7200 minute summer	PP-S12	3660	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	3480	0.508	0.008	0.2	0.1482	0.0000	OK
7200 minute summer	PP-S15	3600	0.508	0.008	0.2	0.0668	0.0000	OK
7200 minute summer	PP-S75	3600	0.508	0.008	0.2	0.0739	0.0000	OK
7200 minute summer	PP-S24	3540	0.510	0.010	0.4	0.1471	0.0000	OK
7200 minute summer	PP-S30	3660	0.507	0.007	0.2	0.0702	0.0000	OK
7200 minute summer	PP-S33	3480	0.507	0.007	0.2	0.0576	0.0000	OK
7200 minute summer	PP-S34	3660	0.510	0.010	0.4	0.1423	0.0000	OK
7200 minute summer	PP-S35	3660	0.505	0.005	0.1	0.0345	0.0000	OK
7200 minute summer	PP-S36	3540	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	0.4	0.494	0.005	0.0040	
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	0.2	0.471	0.002	0.0021	
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	0.4	0.623	0.004	0.0032	
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: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
7200 minute winter	S26	7800	-0.201	0.037	0.2	0.0653	0.0000	OK
7200 minute winter	S25	7020	-0.201	0.043	0.1	0.1094	0.0000	OK
7200 minute winter	S16	7680	-0.201	0.066	1.1	0.2923	0.0000	OK
7200 minute winter	S145	7680	-0.201	0.114	2.2	0.4905	0.0000	OK
7200 minute winter	S4	7680	-0.201	0.042	0.2	0.0743	0.0000	OK
7200 minute winter	S5	7440	-0.201	0.083	0.5	0.1466	0.0000	OK
7200 minute winter	S9	7140	-0.201	0.095	0.2	0.2188	0.0000	OK
7200 minute winter	S10	7140	-0.201	0.120	0.2	0.2120	0.0000	OK
7200 minute winter	S11	7440	-0.201	0.125	0.7	0.2208	0.0000	OK
7200 minute winter	S12	7140	-0.201	0.134	0.8	0.2367	0.0000	OK
7200 minute winter	S1	7200	-0.201	0.063	0.7	0.1482	0.0000	OK
7200 minute winter	S3	7680	-0.201	0.106	1.2	0.3388	0.0000	OK
7200 minute winter	S2	7440	-0.201	0.135	1.4	0.2384	0.0000	OK
7200 minute winter	S14	7800	-0.201	0.108	0.2	0.1908	0.0000	OK
7200 minute winter	S15	7440	-0.201	0.145	3.0	0.6523	0.0000	OK
7200 minute winter	S75	7440	-0.201	0.161	5.3	0.4095	0.0000	OK
7200 minute winter	S87	7380	-0.201	0.085	0.5	0.2756	0.0000	OK
7200 minute winter	S88	7140	-0.201	0.107	1.0	0.3486	0.0000	OK
7200 minute winter	S89	7020	-0.201	0.129	1.5	0.4187	0.0000	OK
7200 minute winter	S90	7020	-0.201	0.151	2.0	0.4820	0.0000	OK
7200 minute winter	S92	7200	-0.201	0.178	7.6	0.4528	0.0000	OK
7200 minute winter	S81	7140	-0.201	0.101	0.5	0.3263	0.0000	OK
7200 minute winter	S82	7680	-0.201	0.123	1.0	0.3993	0.0000	OK
7200 minute winter	S83	7440	-0.201	0.144	1.5	0.4647	0.0000	OK
7200 minute winter	S84	7440	-0.201	0.166	2.0	0.5263	0.0000	OK
7200 minute winter	S86	7440	-0.201	0.192	9.5	0.4885	0.0000	OK
7200 minute winter	S76	7020	-0.201	0.116	0.5	0.3732	0.0000	OK
7200 minute winter	S77	7440	-0.201	0.138	1.0	0.4462	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	0.5942	
7200 minute winter	S25	2.000	S16	0.1	0.042	0.001	0.5095	
7200 minute winter	S16	1.001	S145	1.1	0.120	0.015	2.1701	
7200 minute winter	S145	1.002	S75	2.2	0.119	0.031	3.8988	
7200 minute winter	S4	3.000	S5	0.2	0.078	0.003	1.1333	
7200 minute winter	S5	3.001	S11	0.5	0.101	0.007	2.3117	
7200 minute winter	S9	4.000	S10	0.2	0.061	0.003	1.4805	
7200 minute winter	S10	4.001	S11	0.2	0.038	0.003	0.3031	
7200 minute winter	S11	3.002	S12	0.7	0.086	0.010	0.6834	
7200 minute winter	S12	3.003	S15	0.8	0.058	0.012	0.9714	
7200 minute winter	S1	5.000	S3	0.7	0.105	0.010	1.7835	
7200 minute winter	S3	5.001	S2	1.2	0.104	0.017	1.9799	
7200 minute winter	S2	5.002	S15	1.4	0.087	0.021	0.9054	
7200 minute winter	S14	6.000	S15	0.2	0.005	0.002	2.7420	
7200 minute winter	S15	3.004	S75	3.0	0.122	0.042	1.4878	
7200 minute winter	S75	1.003	S92	5.3	0.174	0.074	1.8381	
7200 minute winter	S87	7.000	S88	0.5	0.090	0.007	1.0734	
7200 minute winter	S88	7.001	S89	1.0	0.107	0.014	1.4363	
7200 minute winter	S89	7.002	S90	1.5	0.110	0.021	1.8294	
7200 minute winter	S90	7.003	S92	2.0	0.091	0.028	2.8632	
7200 minute winter	S92	1.005	S86	7.6	0.219	0.106	1.7073	
7200 minute winter	S81	8.000	S82	0.5	0.082	0.007	1.3365	
7200 minute winter	S82	8.001	S83	1.0	0.103	0.014	1.7077	
7200 minute winter	S83	8.002	S84	1.5	0.103	0.021	2.0978	
7200 minute winter	S84	8.003	S86	2.0	0.078	0.028	3.0392	
7200 minute winter	S86	1.006	S30	9.5	0.257	0.134	1.8831	
7200 minute winter	S76	9.000	S77	0.5	0.078	0.007	1.5935	
7200 minute winter	S77	9.001	S78	1.0	0.096	0.014	1.9870	

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Results for 30 year 7200 minute winter. 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 winter	S78	8340	-0.201	0.160	1.5	0.5139	0.0000	OK
7200 minute winter	S79	7320	-0.201	0.181	2.0	0.5714	0.0000	OK
7200 minute winter	S30	7320	-0.201	0.206	11.6	0.5240	0.0000	OK
7200 minute winter	S31	7020	-0.201	0.135	0.5	0.4477	0.0000	OK
7200 minute winter	S32	8040	-0.201	0.178	1.0	0.5495	0.0000	OK
7200 minute winter	S33	7680	-0.201	0.222	12.7	0.5648	0.0000	OK
7200 minute winter	S34	7680	-0.201	0.238	13.0	0.4204	0.0000	OK
7200 minute winter	S35	7380	-0.201	0.265	13.0	0.4682	0.0000	OK
7200 minute winter	S36	7140	-0.201	0.241	0.2	0.4258	0.0000	OK
7200 minute winter	S37	7380	-0.201	0.270	14.1	1.3271	0.0000	OK
7200 minute winter	S38	7020	-0.201	0.315	14.0	0.5567	0.0000	OK
7200 minute winter	S39	7020	-0.201	0.361	14.0	0.6381	0.0000	OK
7200 minute winter	S56	7020	-0.201	0.358	0.1	0.6326	0.0000	OK
7200 minute winter	S57	7020	-0.201	0.364	13.9	0.9265	0.0000	OK
7200 minute winter	S125	7020	-0.201	0.354	0.3	0.6257	0.0000	OK
7200 minute winter	S127	7140	-0.201	0.378	13.9	0.9618	0.0000	OK
7200 minute winter	S119	8040	-0.201	0.368	0.2	0.6502	0.0000	OK
7200 minute winter	S60	7140	-0.201	0.392	13.8	0.9975	0.0000	OK
7200 minute winter	Pond Inlet 1	7140	-0.201	0.409	13.7	0.7225	0.0000	OK
7200 minute winter	Pond Outlet	7260	-0.201	0.409	6.9	0.4625	0.0000	SURCHARGED
7200 minute winter	S13	7200	-0.201	0.437	0.1	1.5137	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	3660	0.512	0.012	0.2	0.1402	0.0000	OK
7200 minute winter	PP-S25	2400	0.507	0.007	0.1	0.0532	0.0000	OK
7200 minute winter	PP-S16	2940	0.509	0.009	0.2	0.0901	0.0000	OK
7200 minute winter	PP-S145	3480	0.510	0.010	0.3	0.1113	0.0000	OK
7200 minute winter	PP-S4	3060	0.510	0.010	0.2	0.1016	0.0000	OK
7200 minute winter	PP-S1	4020	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)
7200 minute winter	S78	9.002	S79	1.5	0.098	0.022	2.3858	
7200 minute winter	S79	9.003	S30	2.0	0.070	0.028	3.1608	
7200 minute winter	S30	1.007	S33	11.6	0.301	0.163	2.3531	
7200 minute winter	S31	10.000	S32	0.5	0.077	0.007	4.2359	
7200 minute winter	S32	10.001	S33	1.0	0.042	0.014	5.8730	
7200 minute winter	S33	1.008	S34	12.7	0.320	0.180	2.6271	
7200 minute winter	S34	1.009	S35	13.0	0.319	0.183	4.8905	
7200 minute winter	S35	1.010	S37	13.0	0.314	0.195	1.1119	
7200 minute winter	S36	11.000	S37	-0.2	0.011	-0.003	5.3425	
7200 minute winter	S37	1.011	S38	14.0	0.332	0.199	9.8467	
7200 minute winter	S38	1.012	S39	14.0	0.312	0.196	11.5251	
7200 minute winter	S39	1.013	S57	13.9	0.302	0.220	1.0205	
7200 minute winter	S56	12.011	S57	0.1	-0.008	0.002	1.7762	
7200 minute winter	S57	1.014	S127	13.9	0.305	0.197	3.9231	
7200 minute winter	S125	21.003	S127	0.3	-0.007	0.004	6.8043	
7200 minute winter	S127	1.015	S60	13.8	0.314	0.194	3.9963	
7200 minute winter	S119	22.003	S60	0.3	-0.006	0.005	7.0357	
7200 minute winter	S60	1.016	Pond Inlet 1	13.7	0.346	0.181	4.4434	
7200 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	6.9	0.006	0.000	2196.6704	
7200 minute winter	Pond Outlet	1.018	S13	-0.1	0.050	-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	0.2	0.381	0.003	0.0026	
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	0.5	0.489	0.008	0.0051	

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Results for 30 year 7200 minute winter. 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 winter	PP-S5	3180	0.511	0.011	0.3	0.1311	0.0000	OK
7200 minute winter	PP-S12	2520	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	3480	0.508	0.008	0.2	0.1482	0.0000	OK
7200 minute winter	PP-S15	2400	0.506	0.006	0.1	0.0373	0.0000	OK
7200 minute winter	PP-S75	2400	0.506	0.006	0.1	0.0412	0.0000	OK
7200 minute winter	PP-S24	3180	0.509	0.009	0.3	0.1160	0.0000	OK
7200 minute winter	PP-S30	2460	0.505	0.005	0.1	0.0392	0.0000	OK
7200 minute winter	PP-S33	2280	0.505	0.005	0.1	0.0325	0.0000	OK
7200 minute winter	PP-S34	3480	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	3000	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	0.3	0.455	0.004	0.0033	
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	0.3	0.575	0.003	0.0026	
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	0.3	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: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
8640 minute summer	S26	4320	-0.220	0.018	0.2	0.0310	0.0000	OK
8640 minute summer	S25	9300	-0.222	0.022	0.2	0.0567	0.0000	OK
8640 minute summer	S16	9480	-0.222	0.045	1.4	0.2007	0.0000	OK
8640 minute summer	S145	9300	-0.222	0.093	2.7	0.4014	0.0000	OK
8640 minute summer	S4	9420	-0.222	0.021	0.3	0.0376	0.0000	OK
8640 minute summer	S5	9480	-0.222	0.062	0.7	0.1099	0.0000	OK
8640 minute summer	S9	9480	-0.222	0.074	0.2	0.1710	0.0000	OK
8640 minute summer	S10	9480	-0.222	0.099	0.2	0.1753	0.0000	OK
8640 minute summer	S11	9480	-0.222	0.104	0.9	0.1841	0.0000	OK
8640 minute summer	S12	9600	-0.222	0.113	1.0	0.1999	0.0000	OK
8640 minute summer	S1	9600	-0.222	0.042	0.8	0.0995	0.0000	OK
8640 minute summer	S3	9660	-0.222	0.085	1.4	0.2727	0.0000	OK
8640 minute summer	S2	9660	-0.222	0.114	1.6	0.2019	0.0000	OK
8640 minute summer	S14	9300	-0.222	0.087	0.1	0.1542	0.0000	OK
8640 minute summer	S15	9660	-0.222	0.124	3.5	0.5590	0.0000	OK
8640 minute summer	S75	9480	-0.222	0.140	6.4	0.3568	0.0000	OK
8640 minute summer	S87	9240	-0.222	0.064	0.6	0.2083	0.0000	OK
8640 minute summer	S88	9240	-0.222	0.086	1.2	0.2811	0.0000	OK
8640 minute summer	S89	9240	-0.222	0.108	1.8	0.3509	0.0000	OK
8640 minute summer	S90	9480	-0.222	0.130	2.4	0.4150	0.0000	OK
8640 minute summer	S92	9480	-0.222	0.157	9.1	0.4001	0.0000	OK
8640 minute summer	S81	9480	-0.222	0.080	0.6	0.2595	0.0000	OK
8640 minute summer	S82	9480	-0.222	0.102	1.2	0.3322	0.0000	OK
8640 minute summer	S83	9480	-0.222	0.123	1.8	0.3977	0.0000	OK
8640 minute summer	S84	9660	-0.222	0.145	2.4	0.4605	0.0000	OK
8640 minute summer	S86	9420	-0.222	0.171	11.5	0.4356	0.0000	OK
8640 minute summer	S76	9480	-0.222	0.095	0.6	0.3064	0.0000	OK
8640 minute summer	S77	9480	-0.222	0.117	1.2	0.3791	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	0.049	0.003	0.2907	
8640 minute summer	S25	2.000	S16	0.2	0.042	0.003	0.2577	
8640 minute summer	S16	1.001	S145	1.4	0.119	0.020	1.5117	
8640 minute summer	S145	1.002	S75	2.7	0.118	0.038	3.1125	
8640 minute summer	S4	3.000	S5	0.3	0.078	0.004	0.6558	
8640 minute summer	S5	3.001	S11	0.7	0.101	0.010	1.6932	
8640 minute summer	S9	4.000	S10	0.2	0.061	0.003	1.0919	
8640 minute summer	S10	4.001	S11	0.2	0.038	0.003	0.2330	
8640 minute summer	S11	3.002	S12	0.9	0.086	0.013	0.5344	
8640 minute summer	S12	3.003	S15	1.0	0.057	0.015	0.7757	
8640 minute summer	S1	5.000	S3	0.8	0.105	0.011	1.2068	
8640 minute summer	S3	5.001	S2	1.4	0.104	0.020	1.5202	
8640 minute summer	S2	5.002	S15	1.6	0.087	0.023	0.7241	
8640 minute summer	S14	6.000	S15	-0.1	-0.003	-0.001	2.1371	
8640 minute summer	S15	3.004	S75	3.5	0.120	0.049	1.2166	
8640 minute summer	S75	1.003	S92	6.4	0.178	0.090	1.5390	
8640 minute summer	S87	7.000	S88	0.6	0.091	0.008	0.7588	
8640 minute summer	S88	7.001	S89	1.2	0.107	0.017	1.0943	
8640 minute summer	S89	7.002	S90	1.8	0.110	0.025	1.4595	
8640 minute summer	S90	7.003	S92	2.4	0.091	0.034	2.3802	
8640 minute summer	S92	1.005	S86	9.1	0.229	0.128	1.4551	
8640 minute summer	S81	8.000	S82	0.6	0.082	0.008	1.0011	
8640 minute summer	S82	8.001	S83	1.2	0.103	0.017	1.3488	
8640 minute summer	S83	8.002	S84	1.8	0.104	0.025	1.7208	
8640 minute summer	S84	8.003	S86	2.4	0.077	0.033	2.5732	
8640 minute summer	S86	1.006	S30	11.5	0.270	0.162	1.6275	
8640 minute summer	S76	9.000	S77	0.6	0.078	0.008	1.2413	
8640 minute summer	S77	9.001	S78	1.2	0.095	0.017	1.6154	

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Results for 30 year 8640 minute summer. 10080 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
8640 minute summer	S78	9480	-0.222	0.139	1.8	0.4475	0.0000	OK
8640 minute summer	S79	9420	-0.222	0.160	2.4	0.5061	0.0000	OK
8640 minute summer	S30	9420	-0.222	0.185	13.9	0.4713	0.0000	OK
8640 minute summer	S31	9780	-0.222	0.114	0.6	0.3785	0.0000	OK
8640 minute summer	S32	9300	-0.222	0.157	1.1	0.4856	0.0000	OK
8640 minute summer	S33	9300	-0.222	0.201	15.2	0.5121	0.0000	OK
8640 minute summer	S34	9300	-0.222	0.217	15.5	0.3839	0.0000	OK
8640 minute summer	S35	9660	-0.222	0.244	15.5	0.4315	0.0000	OK
8640 minute summer	S36	9660	-0.222	0.220	0.2	0.3892	0.0000	OK
8640 minute summer	S37	9660	-0.222	0.249	16.6	1.2251	0.0000	OK
8640 minute summer	S38	9300	-0.222	0.294	16.6	0.5199	0.0000	OK
8640 minute summer	S39	9660	-0.222	0.340	16.5	0.6012	0.0000	OK
8640 minute summer	S56	9480	-0.222	0.337	0.2	0.5959	0.0000	OK
8640 minute summer	S57	9660	-0.222	0.343	16.5	0.8735	0.0000	OK
8640 minute summer	S125	9300	-0.222	0.333	0.1	0.5889	0.0000	OK
8640 minute summer	S127	9660	-0.222	0.357	16.4	0.9092	0.0000	OK
8640 minute summer	S119	9660	-0.222	0.347	1.6	0.6136	0.0000	OK
8640 minute summer	S60	9660	-0.222	0.371	16.3	0.9448	0.0000	OK
8640 minute summer	Pond Inlet 1	9360	-0.222	0.388	16.2	0.6857	0.0000	OK
8640 minute summer	Pond Outlet	9060	-0.222	0.388	8.1	0.4389	0.0000	SURCHARGED
8640 minute summer	S13	9060	-0.222	0.416	0.1	1.4415	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	4320	0.512	0.012	0.2	0.1403	0.0000	OK
8640 minute summer	PP-S25	4380	0.510	0.010	0.2	0.0943	0.0000	OK
8640 minute summer	PP-S16	4320	0.511	0.011	0.3	0.1261	0.0000	OK
8640 minute summer	PP-S145	4200	0.510	0.010	0.3	0.1113	0.0000	OK
8640 minute summer	PP-S4	4380	0.512	0.012	0.3	0.1429	0.0000	OK
8640 minute summer	PP-S1	4500	0.515	0.015	0.6	2.1536	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	1.8	0.103	0.025	2.0009	
8640 minute summer	S79	9.003	S30	2.4	0.068	0.033	2.7189	
8640 minute summer	S30	1.007	S33	13.9	0.314	0.196	2.0604	
8640 minute summer	S31	10.000	S32	0.6	0.088	0.009	3.4912	
8640 minute summer	S32	10.001	S33	1.2	0.088	0.016	5.0863	
8640 minute summer	S33	1.008	S34	15.2	0.336	0.215	2.3279	
8640 minute summer	S34	1.009	S35	15.5	0.334	0.218	4.3933	
8640 minute summer	S35	1.010	S37	15.4	0.329	0.232	1.0076	
8640 minute summer	S36	11.000	S37	0.2	0.011	0.003	4.8107	
8640 minute summer	S37	1.011	S38	16.6	0.345	0.235	9.0376	
8640 minute summer	S38	1.012	S39	16.5	0.314	0.231	10.7786	
8640 minute summer	S39	1.013	S57	16.5	0.297	0.260	0.9630	
8640 minute summer	S56	12.011	S57	-0.2	-0.011	-0.004	1.6755	
8640 minute summer	S57	1.014	S127	16.4	0.296	0.232	3.7157	
8640 minute summer	S125	21.003	S127	0.2	-0.007	0.003	6.4327	
8640 minute summer	S127	1.015	S60	16.3	0.291	0.229	3.8050	
8640 minute summer	S119	22.003	S60	1.6	0.012	0.023	6.6871	
8640 minute summer	S60	1.016	Pond Inlet 1	16.2	0.327	0.214	4.2553	
8640 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	8.1	0.005	0.000	2076.8350	
8640 minute summer	Pond Outlet	1.018	S13	0.1	0.032	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	0.3	0.500	0.004	0.0030	
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	0.6	0.517	0.009	0.0058	

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Results for 30 year 8640 minute summer. 10080 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
8640 minute summer	PP-S5	4380	0.512	0.012	0.4	0.1671	0.0000	OK
8640 minute summer	PP-S12	3540	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	4200	0.508	0.008	0.2	0.1482	0.0000	OK
8640 minute summer	PP-S15	4380	0.508	0.008	0.2	0.0668	0.0000	OK
8640 minute summer	PP-S75	4380	0.508	0.008	0.2	0.0739	0.0000	OK
8640 minute summer	PP-S24	4380	0.510	0.010	0.4	0.1471	0.0000	OK
8640 minute summer	PP-S30	3540	0.505	0.005	0.1	0.0392	0.0000	OK
8640 minute summer	PP-S33	4260	0.507	0.007	0.2	0.0576	0.0000	OK
8640 minute summer	PP-S34	4200	0.509	0.009	0.3	0.1114	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	3900	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 summer	PP-S5	2.000_2	S5	0.4	0.494	0.005	0.0040	
8640 minute summer	PP-S12	8.000_1	S12	0.1	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	0.2	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	0.1	0.436	0.001	0.0011	
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	0.3	0.636	0.003	0.0024	
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	0.2	0.567	0.002	0.0018	

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Results for 30 year 8640 minute winter. 10080 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
8640 minute winter	S26	8520	-0.189	0.049	0.1	0.0860	0.0000	OK
8640 minute winter	S25	8520	-0.189	0.055	0.1	0.1391	0.0000	OK
8640 minute winter	S16	8520	-0.189	0.078	0.9	0.3443	0.0000	OK
8640 minute winter	S145	8520	-0.189	0.126	1.8	0.5409	0.0000	OK
8640 minute winter	S4	8580	-0.189	0.054	0.2	0.0949	0.0000	OK
8640 minute winter	S5	8760	-0.189	0.095	0.5	0.1672	0.0000	OK
8640 minute winter	S9	8760	-0.189	0.107	0.2	0.2458	0.0000	OK
8640 minute winter	S10	8520	-0.189	0.132	0.2	0.2326	0.0000	OK
8640 minute winter	S11	8520	-0.189	0.137	0.7	0.2415	0.0000	OK
8640 minute winter	S12	8520	-0.189	0.146	0.8	0.2573	0.0000	OK
8640 minute winter	S1	8820	-0.189	0.075	0.7	0.1758	0.0000	OK
8640 minute winter	S3	8640	-0.189	0.118	1.1	0.3761	0.0000	OK
8640 minute winter	S2	8580	-0.189	0.147	1.2	0.2591	0.0000	OK
8640 minute winter	S14	8520	-0.189	0.120	0.2	0.2114	0.0000	OK
8640 minute winter	S15	8580	-0.189	0.157	2.7	0.7049	0.0000	OK
8640 minute winter	S75	8520	-0.189	0.173	4.6	0.4393	0.0000	OK
8640 minute winter	S87	8880	-0.189	0.097	0.4	0.3135	0.0000	OK
8640 minute winter	S88	8520	-0.189	0.119	0.8	0.3870	0.0000	OK
8640 minute winter	S89	8580	-0.189	0.141	1.2	0.4559	0.0000	OK
8640 minute winter	S90	8280	-0.189	0.163	1.6	0.5184	0.0000	OK
8640 minute winter	S92	8520	-0.189	0.190	6.5	0.4826	0.0000	OK
8640 minute winter	S81	8520	-0.189	0.113	0.4	0.3637	0.0000	OK
8640 minute winter	S82	8520	-0.189	0.135	0.8	0.4374	0.0000	OK
8640 minute winter	S83	8520	-0.189	0.156	1.2	0.5026	0.0000	OK
8640 minute winter	S84	8640	-0.189	0.178	1.6	0.5636	0.0000	OK
8640 minute winter	S86	8520	-0.189	0.204	8.1	0.5182	0.0000	OK
8640 minute winter	S76	8760	-0.189	0.128	0.4	0.4104	0.0000	OK
8640 minute winter	S77	8520	-0.189	0.150	0.8	0.4838	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	0.7947	
8640 minute winter	S25	2.000	S16	0.1	0.043	0.001	0.6743	
8640 minute winter	S16	1.001	S145	0.9	0.120	0.013	2.5715	
8640 minute winter	S145	1.002	S75	1.8	0.119	0.026	4.3586	
8640 minute winter	S4	3.000	S5	0.2	0.078	0.003	1.4399	
8640 minute winter	S5	3.001	S11	0.5	0.101	0.007	2.6808	
8640 minute winter	S9	4.000	S10	0.2	0.059	0.003	1.7111	
8640 minute winter	S10	4.001	S11	0.2	0.034	0.003	0.3443	
8640 minute winter	S11	3.002	S12	0.7	0.084	0.010	0.7707	
8640 minute winter	S12	3.003	S15	0.8	0.054	0.012	1.0856	
8640 minute winter	S1	5.000	S3	0.7	0.106	0.010	2.1368	
8640 minute winter	S3	5.001	S2	1.1	0.106	0.016	2.2520	
8640 minute winter	S2	5.002	S15	1.2	0.089	0.018	1.0114	
8640 minute winter	S14	6.000	S15	-0.2	-0.005	-0.003	3.1000	
8640 minute winter	S15	3.004	S75	2.7	0.122	0.038	1.6449	
8640 minute winter	S75	1.003	S92	4.6	0.174	0.064	2.0107	
8640 minute winter	S87	7.000	S88	0.4	0.090	0.006	1.2634	
8640 minute winter	S88	7.001	S89	0.8	0.108	0.011	1.6401	
8640 minute winter	S89	7.002	S90	1.2	0.108	0.017	2.0368	
8640 minute winter	S90	7.003	S92	1.6	0.089	0.023	3.1374	
8640 minute winter	S92	1.005	S86	6.5	0.215	0.091	1.8519	
8640 minute winter	S81	8.000	S82	0.4	0.085	0.006	1.5361	
8640 minute winter	S82	8.001	S83	0.8	0.105	0.011	1.9190	
8640 minute winter	S83	8.002	S84	1.2	0.103	0.017	2.3161	
8640 minute winter	S84	8.003	S86	1.6	0.076	0.023	3.3057	
8640 minute winter	S86	1.006	S30	8.1	0.248	0.114	2.0289	
8640 minute winter	S76	9.000	S77	0.4	0.080	0.006	1.8004	
8640 minute winter	S77	9.001	S78	0.8	0.099	0.011	2.2041	

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Results for 30 year 8640 minute winter. 10080 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
8640 minute winter	S78	8520	-0.189	0.172	1.2	0.5519	0.0000	OK
8640 minute winter	S79	8520	-0.189	0.193	1.6	0.6086	0.0000	OK
8640 minute winter	S30	8520	-0.189	0.218	9.8	0.5539	0.0000	OK
8640 minute winter	S31	9000	-0.189	0.147	0.4	0.4860	0.0000	OK
8640 minute winter	S32	8580	-0.189	0.190	0.8	0.5856	0.0000	OK
8640 minute winter	S33	8520	-0.189	0.234	10.6	0.5946	0.0000	OK
8640 minute winter	S34	8520	-0.189	0.250	10.8	0.4411	0.0000	OK
8640 minute winter	S35	8520	-0.189	0.277	10.8	0.4888	0.0000	OK
8640 minute winter	S36	8580	-0.189	0.253	0.3	0.4464	0.0000	OK
8640 minute winter	S37	8580	-0.189	0.282	11.7	1.3845	0.0000	OK
8640 minute winter	S38	8580	-0.189	0.327	11.7	0.5772	0.0000	OK
8640 minute winter	S39	8580	-0.189	0.373	11.6	0.6586	0.0000	OK
8640 minute winter	S56	8580	-0.189	0.370	0.1	0.6533	0.0000	OK
8640 minute winter	S57	8580	-0.189	0.376	11.6	0.9562	0.0000	OK
8640 minute winter	S125	8340	-0.189	0.366	0.3	0.6464	0.0000	OK
8640 minute winter	S127	8580	-0.189	0.390	11.5	0.9917	0.0000	OK
8640 minute winter	S119	8580	-0.189	0.380	0.3	0.6709	0.0000	OK
8640 minute winter	S60	8580	-0.189	0.404	11.5	1.0274	0.0000	OK
8640 minute winter	Pond Inlet 1	8580	-0.189	0.421	11.4	0.7431	0.0000	OK
8640 minute winter	Pond Outlet	8520	-0.189	0.421	5.7	0.4757	0.0000	SURCHARGED
8640 minute winter	S13	8820	-0.189	0.449	0.1	1.5541	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	2880	0.509	0.009	0.1	0.0816	0.0000	OK
8640 minute winter	PP-S25	3000	0.507	0.007	0.1	0.0532	0.0000	OK
8640 minute winter	PP-S16	3720	0.509	0.009	0.2	0.0901	0.0000	OK
8640 minute winter	PP-S145	3480	0.508	0.008	0.2	0.0795	0.0000	OK
8640 minute winter	PP-S4	3840	0.510	0.010	0.2	0.1016	0.0000	OK
8640 minute winter	PP-S1	4500	0.514	0.014	0.5	1.8165	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	1.2	0.098	0.017	2.6101	
8640 minute winter	S79	9.003	S30	1.6	0.068	0.022	3.4145	
8640 minute winter	S30	1.007	S33	9.7	0.287	0.137	2.5196	
8640 minute winter	S31	10.000	S32	0.5	0.086	0.007	4.6698	
8640 minute winter	S32	10.001	S33	0.8	0.037	0.011	6.3224	
8640 minute winter	S33	1.008	S34	10.6	0.307	0.151	2.7960	
8640 minute winter	S34	1.009	S35	10.8	0.303	0.152	5.1687	
8640 minute winter	S35	1.010	S37	10.8	0.298	0.163	1.1699	
8640 minute winter	S36	11.000	S37	-0.3	0.011	-0.004	5.6385	
8640 minute winter	S37	1.011	S38	11.7	0.319	0.165	10.2929	
8640 minute winter	S38	1.012	S39	11.6	0.295	0.163	11.9211	
8640 minute winter	S39	1.013	S57	11.6	0.287	0.183	1.0505	
8640 minute winter	S56	12.011	S57	0.1	-0.006	0.002	1.8293	
8640 minute winter	S57	1.014	S127	11.5	0.291	0.163	4.0322	
8640 minute winter	S125	21.003	S127	0.5	-0.008	0.007	6.9993	
8640 minute winter	S127	1.015	S60	11.5	0.288	0.161	4.0945	
8640 minute winter	S119	22.003	S60	0.4	-0.006	0.006	7.2161	
8640 minute winter	S60	1.016	Pond Inlet 1	11.4	0.334	0.150	4.5356	
8640 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	5.7	0.007	0.000	2263.9287	
8640 minute winter	Pond Outlet	1.018	S13	-0.1	0.040	-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	0.2	0.446	0.002	0.0022	
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: 99.93%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
8640 minute winter	PP-S5	4140	0.511	0.011	0.3	0.1311	0.0000	OK
8640 minute winter	PP-S12	3120	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	2820	0.506	0.006	0.1	0.0815	0.0000	OK
8640 minute winter	PP-S15	3000	0.506	0.006	0.1	0.0373	0.0000	OK
8640 minute winter	PP-S75	3060	0.506	0.006	0.1	0.0412	0.0000	OK
8640 minute winter	PP-S24	4140	0.509	0.009	0.3	0.1160	0.0000	OK
8640 minute winter	PP-S30	3120	0.505	0.005	0.1	0.0392	0.0000	OK
8640 minute winter	PP-S33	2880	0.505	0.005	0.1	0.0325	0.0000	OK
8640 minute winter	PP-S34	3480	0.507	0.007	0.2	0.0793	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	3840	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	0.1	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	0.3	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	0.2	0.565	0.002	0.0018	
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: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
10080 minute summer	S26	5160	-0.220	0.018	0.2	0.0310	0.0000	OK
10080 minute summer	S25	10860	-0.227	0.017	0.1	0.0439	0.0000	OK
10080 minute summer	S16	10860	-0.227	0.040	1.1	0.1783	0.0000	OK
10080 minute summer	S145	11220	-0.227	0.088	2.3	0.3797	0.0000	OK
10080 minute summer	S4	4740	-0.225	0.018	0.2	0.0311	0.0000	OK
10080 minute summer	S5	10800	-0.227	0.057	0.5	0.1011	0.0000	OK
10080 minute summer	S9	11220	-0.227	0.069	0.2	0.1596	0.0000	OK
10080 minute summer	S10	11220	-0.227	0.094	0.2	0.1664	0.0000	OK
10080 minute summer	S11	11220	-0.227	0.099	0.7	0.1752	0.0000	OK
10080 minute summer	S12	11400	-0.227	0.108	0.9	0.1911	0.0000	OK
10080 minute summer	S1	11220	-0.227	0.037	0.8	0.0875	0.0000	OK
10080 minute summer	S3	10500	-0.227	0.080	1.3	0.2566	0.0000	OK
10080 minute summer	S2	11400	-0.227	0.109	1.5	0.1930	0.0000	OK
10080 minute summer	S14	10500	-0.227	0.082	0.0	0.1453	0.0000	OK
10080 minute summer	S15	11400	-0.227	0.119	3.1	0.5365	0.0000	OK
10080 minute summer	S75	10860	-0.227	0.135	5.5	0.3440	0.0000	OK
10080 minute summer	S87	10680	-0.227	0.059	0.5	0.1921	0.0000	OK
10080 minute summer	S88	10680	-0.227	0.081	1.0	0.2649	0.0000	OK
10080 minute summer	S89	11040	-0.227	0.103	1.5	0.3344	0.0000	OK
10080 minute summer	S90	11220	-0.227	0.125	2.0	0.3986	0.0000	OK
10080 minute summer	S92	10680	-0.227	0.152	7.8	0.3872	0.0000	OK
10080 minute summer	S81	10740	-0.227	0.075	0.5	0.2429	0.0000	OK
10080 minute summer	S82	11040	-0.227	0.097	1.0	0.3158	0.0000	OK
10080 minute summer	S83	11040	-0.227	0.118	1.5	0.3815	0.0000	OK
10080 minute summer	S84	11040	-0.227	0.140	2.0	0.4448	0.0000	OK
10080 minute summer	S86	10860	-0.227	0.166	9.7	0.4228	0.0000	OK
10080 minute summer	S76	10500	-0.227	0.090	0.5	0.2902	0.0000	OK
10080 minute summer	S77	10680	-0.227	0.112	1.0	0.3628	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	0.2443	
10080 minute summer	S25	2.000	S16	0.1	0.043	0.001	0.2046	
10080 minute summer	S16	1.001	S145	1.1	0.119	0.015	1.3619	
10080 minute summer	S145	1.002	S75	2.3	0.119	0.033	2.9287	
10080 minute summer	S4	3.000	S5	0.2	0.078	0.003	0.5560	
10080 minute summer	S5	3.001	S11	0.5	0.101	0.007	1.5513	
10080 minute summer	S9	4.000	S10	0.2	0.060	0.003	1.0036	
10080 minute summer	S10	4.001	S11	0.2	0.035	0.003	0.2168	
10080 minute summer	S11	3.002	S12	0.8	0.085	0.011	0.4995	
10080 minute summer	S12	3.003	S15	0.9	0.055	0.013	0.7299	
10080 minute summer	S1	5.000	S3	0.8	0.105	0.011	1.0764	
10080 minute summer	S3	5.001	S2	1.3	0.109	0.018	1.4111	
10080 minute summer	S2	5.002	S15	1.5	0.089	0.022	0.6814	
10080 minute summer	S14	6.000	S15	0.0	-0.004	0.001	1.9955	
10080 minute summer	S15	3.004	S75	3.1	0.122	0.043	1.1526	
10080 minute summer	S75	1.003	S92	5.5	0.177	0.077	1.4676	
10080 minute summer	S87	7.000	S88	0.5	0.090	0.007	0.6873	
10080 minute summer	S88	7.001	S89	1.0	0.108	0.014	1.0144	
10080 minute summer	S89	7.002	S90	1.5	0.110	0.021	1.3728	
10080 minute summer	S90	7.003	S92	2.0	0.092	0.029	2.2643	
10080 minute summer	S92	1.005	S86	7.8	0.221	0.109	1.3948	
10080 minute summer	S81	8.000	S82	0.5	0.085	0.007	0.9227	
10080 minute summer	S82	8.001	S83	1.0	0.105	0.014	1.2647	
10080 minute summer	S83	8.002	S84	1.5	0.104	0.021	1.6323	
10080 minute summer	S84	8.003	S86	2.0	0.078	0.028	2.4628	
10080 minute summer	S86	1.006	S30	9.7	0.259	0.137	1.5660	
10080 minute summer	S76	9.000	S77	0.5	0.081	0.007	1.1585	
10080 minute summer	S77	9.001	S78	1.0	0.100	0.014	1.5276	

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Results for 30 year 10080 minute summer. 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 summer	S78	10800	-0.227	0.134	1.5	0.4313	0.0000	OK
10080 minute summer	S79	10680	-0.227	0.155	2.0	0.4902	0.0000	OK
10080 minute summer	S30	11040	-0.227	0.180	11.8	0.4585	0.0000	OK
10080 minute summer	S31	10680	-0.227	0.109	0.5	0.3621	0.0000	OK
10080 minute summer	S32	11220	-0.227	0.152	1.0	0.4700	0.0000	OK
10080 minute summer	S33	11040	-0.227	0.196	12.9	0.4993	0.0000	OK
10080 minute summer	S34	11040	-0.227	0.212	13.2	0.3750	0.0000	OK
10080 minute summer	S35	11040	-0.227	0.239	13.2	0.4227	0.0000	OK
10080 minute summer	S36	11040	-0.227	0.215	0.2	0.3803	0.0000	OK
10080 minute summer	S37	11040	-0.227	0.244	14.3	1.2005	0.0000	OK
10080 minute summer	S38	10500	-0.227	0.289	14.3	0.5110	0.0000	OK
10080 minute summer	S39	11220	-0.227	0.335	14.2	0.5922	0.0000	OK
10080 minute summer	S56	11220	-0.227	0.332	0.2	0.5870	0.0000	OK
10080 minute summer	S57	11220	-0.227	0.338	14.2	0.8607	0.0000	OK
10080 minute summer	S125	10500	-0.227	0.328	0.2	0.5801	0.0000	OK
10080 minute summer	S127	10500	-0.227	0.352	14.2	0.8963	0.0000	OK
10080 minute summer	S119	11220	-0.227	0.342	1.5	0.6047	0.0000	OK
10080 minute summer	S60	11220	-0.227	0.366	14.1	0.9320	0.0000	OK
10080 minute summer	Pond Inlet 1	10320	-0.227	0.383	14.0	0.6768	0.0000	OK
10080 minute summer	Pond Outlet	10320	-0.227	0.383	7.0	0.4332	0.0000	SURCHARGED
10080 minute summer	S13	10440	-0.227	0.411	0.1	1.4241	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	5160	0.512	0.012	0.2	0.1403	0.0000	OK
10080 minute summer	PP-S25	4080	0.507	0.007	0.1	0.0532	0.0000	OK
10080 minute summer	PP-S16	4620	0.509	0.009	0.2	0.0901	0.0000	OK
10080 minute summer	PP-S145	5040	0.510	0.010	0.3	0.1113	0.0000	OK
10080 minute summer	PP-S4	4740	0.510	0.010	0.2	0.1016	0.0000	OK
10080 minute summer	PP-S1	5100	0.515	0.015	0.6	2.0872	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	1.5	0.103	0.022	1.9092	
10080 minute summer	S79	9.003	S30	2.0	0.068	0.028	2.6123	
10080 minute summer	S30	1.007	S33	11.8	0.301	0.166	1.9900	
10080 minute summer	S31	10.000	S32	0.5	0.087	0.007	3.3135	
10080 minute summer	S32	10.001	S33	1.0	0.044	0.014	4.8963	
10080 minute summer	S33	1.008	S34	12.9	0.322	0.183	2.2554	
10080 minute summer	S34	1.009	S35	13.2	0.320	0.186	4.2728	
10080 minute summer	S35	1.010	S37	13.2	0.315	0.199	0.9823	
10080 minute summer	S36	11.000	S37	0.2	0.011	0.003	4.6814	
10080 minute summer	S37	1.011	S38	14.3	0.334	0.202	8.8377	
10080 minute summer	S38	1.012	S39	14.2	0.301	0.199	10.5929	
10080 minute summer	S39	1.013	S57	14.2	0.287	0.224	0.9485	
10080 minute summer	S56	12.011	S57	0.2	-0.007	0.003	1.6500	
10080 minute summer	S57	1.014	S127	14.2	0.289	0.200	3.6625	
10080 minute summer	S125	21.003	S127	-0.2	-0.007	-0.002	6.3387	
10080 minute summer	S127	1.015	S60	14.1	0.284	0.198	3.7555	
10080 minute summer	S119	22.003	S60	-1.5	-0.012	-0.022	6.5974	
10080 minute summer	S60	1.016	Pond Inlet 1	14.0	0.307	0.185	4.2060	
10080 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	7.0	0.002	0.000	2048.2139	
10080 minute summer	Pond Outlet	1.018	S13	-0.1	0.033	-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	0.1	0.290	0.002	0.0017	
10080 minute summer	PP-S16	3.000_1	S16	0.2	0.381	0.003	0.0026	
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	0.2	0.337	0.004	0.0030	
10080 minute summer	PP-S1	4.000_1	S1	0.6	0.512	0.009	0.0057	

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Results for 30 year 10080 minute summer. 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 summer	PP-S5	4860	0.511	0.011	0.3	0.1311	0.0000	OK
10080 minute summer	PP-S12	4200	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	5040	0.508	0.008	0.2	0.1482	0.0000	OK
10080 minute summer	PP-S15	4080	0.506	0.006	0.1	0.0373	0.0000	OK
10080 minute summer	PP-S75	4140	0.506	0.006	0.1	0.0412	0.0000	OK
10080 minute summer	PP-S24	4860	0.509	0.009	0.3	0.1160	0.0000	OK
10080 minute summer	PP-S30	4200	0.505	0.005	0.1	0.0392	0.0000	OK
10080 minute summer	PP-S33	3960	0.505	0.005	0.1	0.0325	0.0000	OK
10080 minute summer	PP-S34	5040	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	4680	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	0.3	0.455	0.004	0.0033	
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	0.1	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	0.3	0.575	0.003	0.0026	
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	0.3	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: 99.75%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
10080 minute winter	S26	10020	-0.172	0.066	0.1	0.1161	0.0000	OK
10080 minute winter	S25	10140	-0.172	0.072	0.1	0.1824	0.0000	OK
10080 minute winter	S16	10140	-0.172	0.095	0.9	0.4197	0.0000	OK
10080 minute winter	S145	10140	-0.172	0.143	1.7	0.6141	0.0000	OK
10080 minute winter	S4	10140	-0.172	0.071	0.2	0.1250	0.0000	OK
10080 minute winter	S5	10140	-0.172	0.112	0.4	0.1974	0.0000	OK
10080 minute winter	S9	10140	-0.172	0.124	0.1	0.2849	0.0000	OK
10080 minute winter	S10	10140	-0.172	0.149	0.2	0.2627	0.0000	OK
10080 minute winter	S11	10140	-0.172	0.154	0.5	0.2715	0.0000	OK
10080 minute winter	S12	10140	-0.172	0.163	0.6	0.2874	0.0000	OK
10080 minute winter	S1	10140	-0.172	0.092	0.5	0.2160	0.0000	OK
10080 minute winter	S3	10140	-0.172	0.135	0.9	0.4309	0.0000	OK
10080 minute winter	S2	10140	-0.172	0.164	1.0	0.2893	0.0000	OK
10080 minute winter	S14	10140	-0.172	0.137	0.2	0.2417	0.0000	OK
10080 minute winter	S15	10140	-0.172	0.174	2.2	0.7818	0.0000	OK
10080 minute winter	S75	10140	-0.172	0.190	4.0	0.4827	0.0000	OK
10080 minute winter	S87	10080	-0.172	0.114	0.4	0.3684	0.0000	OK
10080 minute winter	S88	10140	-0.172	0.136	0.8	0.4422	0.0000	OK
10080 minute winter	S89	10140	-0.172	0.158	1.2	0.5110	0.0000	OK
10080 minute winter	S90	10140	-0.172	0.180	1.6	0.5723	0.0000	OK
10080 minute winter	S92	10140	-0.172	0.207	5.8	0.5259	0.0000	OK
10080 minute winter	S81	10080	-0.172	0.130	0.4	0.4185	0.0000	OK
10080 minute winter	S82	10020	-0.172	0.152	0.8	0.4922	0.0000	OK
10080 minute winter	S83	10140	-0.172	0.173	1.2	0.5572	0.0000	OK
10080 minute winter	S84	10140	-0.172	0.195	1.6	0.6174	0.0000	OK
10080 minute winter	S86	10140	-0.172	0.221	7.4	0.5615	0.0000	OK
10080 minute winter	S76	10140	-0.172	0.145	0.4	0.4655	0.0000	OK
10080 minute winter	S77	10140	-0.172	0.167	0.8	0.5391	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	1.1165	
10080 minute winter	S25	2.000	S16	0.1	0.043	0.001	0.9358	
10080 minute winter	S16	1.001	S145	0.9	0.122	0.013	3.1864	
10080 minute winter	S145	1.002	S75	1.7	0.119	0.024	5.0447	
10080 minute winter	S4	3.000	S5	0.2	0.078	0.003	1.9239	
10080 minute winter	S5	3.001	S11	0.4	0.101	0.006	3.2428	
10080 minute winter	S9	4.000	S10	0.2	0.061	0.003	2.0606	
10080 minute winter	S10	4.001	S11	0.1	0.038	0.002	0.4062	
10080 minute winter	S11	3.002	S12	0.5	0.086	0.007	0.9014	
10080 minute winter	S12	3.003	S15	0.6	0.057	0.009	1.2559	
10080 minute winter	S1	5.000	S3	0.5	0.107	0.007	2.6852	
10080 minute winter	S3	5.001	S2	0.9	0.103	0.013	2.6641	
10080 minute winter	S2	5.002	S15	1.0	0.087	0.015	1.1698	
10080 minute winter	S14	6.000	S15	0.2	0.005	0.003	3.6364	
10080 minute winter	S15	3.004	S75	2.2	0.121	0.031	1.8784	
10080 minute winter	S75	1.003	S92	4.0	0.173	0.056	2.2649	
10080 minute winter	S87	7.000	S88	0.5	0.087	0.006	1.5518	
10080 minute winter	S88	7.001	S89	0.8	0.107	0.011	1.9451	
10080 minute winter	S89	7.002	S90	1.2	0.110	0.017	2.3538	
10080 minute winter	S90	7.003	S92	1.6	0.092	0.023	3.5460	
10080 minute winter	S92	1.005	S86	5.8	0.208	0.081	2.0632	
10080 minute winter	S81	8.000	S82	0.4	0.082	0.006	1.8355	
10080 minute winter	S82	8.001	S83	0.8	0.103	0.011	2.2301	
10080 minute winter	S83	8.002	S84	1.2	0.103	0.017	2.6377	
10080 minute winter	S84	8.003	S86	1.6	0.078	0.023	3.6971	
10080 minute winter	S86	1.006	S30	7.4	0.241	0.104	2.2408	
10080 minute winter	S76	9.000	S77	0.4	0.078	0.006	2.1128	
10080 minute winter	S77	9.001	S78	0.8	0.096	0.011	2.5251	

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Results for 30 year 10080 minute winter. 11520 minute analysis at 60 minute timestep. Mass balance: 99.75%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
10080 minute winter	S78	10140	-0.172	0.189	1.2	0.6064	0.0000	OK
10080 minute winter	S79	10140	-0.172	0.210	1.6	0.6621	0.0000	OK
10080 minute winter	S30	10080	-0.172	0.235	9.1	0.5970	0.0000	OK
10080 minute winter	S31	10080	-0.172	0.164	0.5	0.5419	0.0000	OK
10080 minute winter	S32	10080	-0.172	0.207	0.7	0.6382	0.0000	OK
10080 minute winter	S33	10080	-0.172	0.251	9.9	0.6378	0.0000	OK
10080 minute winter	S34	10080	-0.172	0.267	10.0	0.4711	0.0000	OK
10080 minute winter	S35	10080	-0.172	0.294	10.0	0.5189	0.0000	OK
10080 minute winter	S36	10080	-0.172	0.270	0.3	0.4765	0.0000	OK
10080 minute winter	S37	10080	-0.172	0.299	10.9	1.4681	0.0000	OK
10080 minute winter	S38	11400	-0.172	0.344	10.9	0.6077	0.0000	OK
10080 minute winter	S39	10080	-0.172	0.390	10.8	0.6885	0.0000	OK
10080 minute winter	S56	10080	-0.172	0.387	0.1	0.6832	0.0000	OK
10080 minute winter	S57	10080	-0.172	0.393	10.8	0.9993	0.0000	OK
10080 minute winter	S125	10080	-0.172	0.383	0.4	0.6762	0.0000	OK
10080 minute winter	S127	10080	-0.172	0.407	10.8	1.0349	0.0000	OK
10080 minute winter	S119	11280	-0.172	0.397	0.3	0.7009	0.0000	OK
10080 minute winter	S60	10080	-0.172	0.421	10.7	1.0704	0.0000	OK
10080 minute winter	Pond Inlet 1	11520	-0.171	0.439	10.6	0.7752	0.0000	OK
10080 minute winter	Pond Outlet	9900	-0.173	0.437	31.7	0.4946	0.0000	SURCHARGED
10080 minute winter	S13	9900	-0.173	0.465	0.1	1.6120	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	3480	0.509	0.009	0.1	0.0816	0.0000	OK
10080 minute winter	PP-S25	3600	0.507	0.007	0.1	0.0532	0.0000	OK
10080 minute winter	PP-S16	4500	0.509	0.009	0.2	0.0901	0.0000	OK
10080 minute winter	PP-S145	4200	0.508	0.008	0.2	0.0795	0.0000	OK
10080 minute winter	PP-S4	4800	0.510	0.010	0.2	0.1016	0.0000	OK
10080 minute winter	PP-S1	5340	0.513	0.013	0.4	1.4681	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	0.099	0.017	2.9359	
10080 minute winter	S79	9.003	S30	1.6	0.068	0.022	3.7823	
10080 minute winter	S30	1.007	S33	9.1	0.281	0.127	2.7605	
10080 minute winter	S31	10.000	S32	0.5	0.080	0.007	5.3097	
10080 minute winter	S32	10.001	S33	0.7	0.037	0.010	6.9778	
10080 minute winter	S33	1.008	S34	9.8	0.298	0.140	3.0401	
10080 minute winter	S34	1.009	S35	10.0	0.292	0.141	5.5684	
10080 minute winter	S35	1.010	S37	10.0	0.285	0.151	1.2529	
10080 minute winter	S36	11.000	S37	-0.3	0.011	-0.005	6.0661	
10080 minute winter	S37	1.011	S38	10.9	0.306	0.154	10.9229	
10080 minute winter	S38	1.012	S39	10.8	0.283	0.152	12.4683	
10080 minute winter	S39	1.013	S57	10.8	0.266	0.170	1.0907	
10080 minute winter	S56	12.011	S57	-0.1	-0.005	-0.002	1.9002	
10080 minute winter	S57	1.014	S127	10.8	0.265	0.152	4.1756	
10080 minute winter	S125	21.003	S127	-0.4	-0.008	-0.006	7.2599	
10080 minute winter	S127	1.015	S60	10.7	0.267	0.150	4.2200	
10080 minute winter	S119	22.003	S60	0.3	-0.006	0.005	7.4482	
10080 minute winter	S60	1.016	Pond Inlet 1	10.6	0.334	0.140	4.6462	
10080 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	-35.6	0.007	-0.001	2360.3818	
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	0.4	0.457	0.006	0.0044	

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Results for 30 year 10080 minute winter. 11520 minute analysis at 60 minute timestep. Mass balance: 99.75%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
10080 minute winter	PP-S5	3960	0.509	0.009	0.2	0.0941	0.0000	OK
10080 minute winter	PP-S12	3840	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	3420	0.506	0.006	0.1	0.0815	0.0000	OK
10080 minute winter	PP-S15	3600	0.506	0.006	0.1	0.0373	0.0000	OK
10080 minute winter	PP-S75	3660	0.506	0.006	0.1	0.0412	0.0000	OK
10080 minute winter	PP-S24	3960	0.508	0.008	0.2	0.0829	0.0000	OK
10080 minute winter	PP-S30	3780	0.505	0.005	0.1	0.0392	0.0000	OK
10080 minute winter	PP-S33	3480	0.505	0.005	0.1	0.0325	0.0000	OK
10080 minute winter	PP-S34	4200	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	4800	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	0.2	0.407	0.003	0.0025	
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	0.2	0.511	0.002	0.0020	
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: 99.14%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	S26	13	0.683	0.921	36.1	1.6273	0.0000	SURCHARGED
15 minute summer	S25	13	0.678	0.922	41.7	2.3454	0.0000	SURCHARGED
15 minute summer	S16	13	0.691	0.958	183.5	4.2479	0.0000	SURCHARGED
15 minute summer	S145	15	0.646	0.961	151.7	4.1397	0.0000	SURCHARGED
15 minute summer	S4	14	0.695	0.938	96.4	1.6571	0.0000	SURCHARGED
15 minute summer	S5	34	0.672	0.956	137.7	1.6890	0.0000	SURCHARGED
15 minute summer	S9	16	0.651	0.947	40.9	2.1812	0.0000	SURCHARGED
15 minute summer	S10	16	0.634	0.955	57.6	1.6879	0.0000	SURCHARGED
15 minute summer	S11	16	0.633	0.959	181.3	1.6942	0.0000	SURCHARGED
15 minute summer	S12	24	0.625	0.960	181.4	1.6956	0.0000	SURCHARGED
15 minute summer	S1	32	0.621	0.885	41.4	2.0839	0.0000	SURCHARGED
15 minute summer	S3	23	0.620	0.927	118.2	2.9650	0.0000	SURCHARGED
15 minute summer	S2	22	0.622	0.958	58.6	1.6924	0.0000	SURCHARGED
15 minute summer	S14	24	0.638	0.947	71.9	1.6729	0.0000	SURCHARGED
15 minute summer	S15	15	0.625	0.971	247.7	4.3717	0.0000	SURCHARGED
15 minute summer	S75	15	0.638	1.000	257.7	2.5456	0.0000	SURCHARGED
15 minute summer	S87	12	0.926	1.212	57.7	3.9324	0.0000	SURCHARGED
15 minute summer	S88	12	0.922	1.230	99.9	4.0117	0.0000	SURCHARGED
15 minute summer	S89	12	0.888	1.218	137.9	3.9486	0.0000	SURCHARGED
15 minute summer	S90	12	0.803	1.155	173.5	3.6795	0.0000	SURCHARGED
15 minute summer	S92	13	0.675	1.054	282.0	2.6829	0.0000	SURCHARGED
15 minute summer	S81	12	0.967	1.269	57.7	4.0990	0.0000	SURCHARGED
15 minute summer	S82	12	0.961	1.285	97.9	4.1712	0.0000	SURCHARGED
15 minute summer	S83	12	0.928	1.273	138.5	4.1088	0.0000	SURCHARGED
15 minute summer	S84	12	0.849	1.216	173.8	3.8582	0.0000	SURCHARGED
15 minute summer	S86	13	0.717	1.110	162.3	2.8253	0.0000	SURCHARGED
15 minute summer	S76	12	0.956	1.273	57.7	4.0923	0.0000	SURCHARGED
15 minute summer	S77	12	0.945	1.284	95.7	4.1505	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	-33.0	-0.280	-0.466	9.2005	
15 minute summer	S25	2.000	S16	-38.2	-0.304	-0.541	7.3393	
15 minute summer	S16	1.001	S145	-130.6	-0.840	-1.830	15.0038	
15 minute summer	S145	1.002	S75	-79.1	-0.499	-1.120	15.0038	
15 minute summer	S4	3.000	S5	-94.1	-0.594	-1.334	13.1095	
15 minute summer	S5	3.001	S11	-125.6	-0.829	-1.759	13.1095	
15 minute summer	S9	4.000	S10	-24.4	0.481	-0.347	8.0648	
15 minute summer	S10	4.001	S11	-57.6	0.555	-0.757	1.3780	
15 minute summer	S11	3.002	S12	-181.3	-1.184	-2.570	2.8740	
15 minute summer	S12	3.003	S15	-177.9	-1.123	-2.584	3.6838	
15 minute summer	S1	5.000	S3	25.2	0.159	0.355	13.5151	
15 minute summer	S3	5.001	S2	-73.6	0.551	-1.039	9.1848	
15 minute summer	S2	5.002	S15	-55.2	0.365	-0.810	3.4165	
15 minute summer	S14	6.000	S15	-71.9	-0.545	-1.021	11.8707	
15 minute summer	S15	3.004	S75	-174.1	-1.104	-2.431	4.9661	
15 minute summer	S75	1.003	S92	-253.2	-1.598	-3.559	5.3380	
15 minute summer	S87	7.000	S88	43.3	0.273	0.607	6.8747	
15 minute summer	S88	7.001	S89	84.4	0.533	1.184	6.8747	
15 minute summer	S89	7.002	S90	128.1	0.809	1.796	6.8747	
15 minute summer	S90	7.003	S92	164.3	1.037	2.331	8.6413	
15 minute summer	S92	1.005	S86	-126.1	-0.796	-1.775	4.4095	
15 minute summer	S81	8.000	S82	41.4	0.266	0.580	6.8747	
15 minute summer	S82	8.001	S83	82.8	0.522	1.188	6.8747	
15 minute summer	S83	8.002	S84	124.2	0.784	1.741	6.8747	
15 minute summer	S84	8.003	S86	162.3	1.025	2.286	8.1975	
15 minute summer	S86	1.006	S30	117.6	0.742	1.656	4.4165	
15 minute summer	S76	9.000	S77	41.3	0.268	0.579	6.8747	
15 minute summer	S77	9.001	S78	82.1	0.518	1.150	6.8747	

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Results for 100 year +20% CC 15 minute summer. 1455 minute analysis at 1 minute timestep. Mass balance: 99.14%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	S78	12	0.912	1.273	138.6	4.0907	0.0000	SURCHARGED
15 minute summer	S79	12	0.845	1.227	176.8	3.8750	0.0000	SURCHARGED
15 minute summer	S30	13	0.713	1.120	220.7	2.8502	0.0000	SURCHARGED
15 minute summer	S31	12	0.901	1.237	110.4	4.0966	0.0000	SURCHARGED
15 minute summer	S32	12	0.854	1.233	101.6	3.8081	0.0000	SURCHARGED
15 minute summer	S33	12	0.675	1.098	244.2	2.7951	0.0000	SURCHARGED
15 minute summer	S34	18	0.598	1.037	197.9	1.8323	0.0000	SURCHARGED
15 minute summer	S35	15	0.535	1.001	197.6	1.7690	0.0000	SURCHARGED
15 minute summer	S36	14	0.517	0.959	47.0	1.6938	0.0000	SURCHARGED
15 minute summer	S37	15	0.517	0.988	249.5	4.8591	0.0000	SURCHARGED
15 minute summer	S38	18	0.251	0.767	197.4	1.3561	0.0000	SURCHARGED
15 minute summer	S39	18	0.016	0.578	183.6	1.0217	0.0000	SURCHARGED
15 minute summer	S56	20	-0.026	0.533	28.4	0.9426	0.0000	SURCHARGED
15 minute summer	S57	19	-0.026	0.539	176.7	1.3726	0.0000	SURCHARGED
15 minute summer	S125	20	-0.109	0.446	54.5	0.7888	0.0000	OK
15 minute summer	S127	20	-0.108	0.471	172.5	1.1980	0.0000	SURCHARGED
15 minute summer	S119	20	-0.178	0.391	39.6	0.6914	0.0000	OK
15 minute summer	S60	19	-0.179	0.414	156.6	1.0548	0.0000	OK
15 minute summer	Pond Inlet 1	21	-0.303	0.307	151.5	0.5417	0.0000	OK
15 minute summer	Pond Outlet	1450	-0.469	0.141	118.2	0.1594	0.0000	OK
15 minute summer	S13	1381	-0.469	0.169	1.1	0.5857	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	0.652	0.152	34.1	13.5017	0.0000	OK
15 minute summer	PP-S25	25	0.647	0.147	40.1	11.4034	0.0000	OK
15 minute summer	PP-S16	22	0.648	0.148	49.7	17.2795	0.0000	OK
15 minute summer	PP-S145	21	0.641	0.141	39.5	16.8897	0.0000	OK
15 minute summer	PP-S4	24	0.634	0.134	40.0	14.2933	0.0000	OK
15 minute summer	PP-S1	29	0.613	0.113	45.5	36.6663	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	121.7	0.768	1.747	6.8745	
15 minute summer	S79	9.003	S30	158.6	1.001	2.205	7.6907	
15 minute summer	S30	1.007	S33	208.0	1.313	2.922	5.0209	
15 minute summer	S31	10.000	S32	-50.9	0.426	-0.721	13.6740	
15 minute summer	S32	10.001	S33	123.5	0.780	1.726	13.6740	
15 minute summer	S33	1.008	S34	189.7	1.197	2.689	5.1108	
15 minute summer	S34	1.009	S35	195.9	1.237	2.759	8.5103	
15 minute summer	S35	1.010	S37	183.9	1.161	2.767	1.7947	
15 minute summer	S36	11.000	S37	-40.3	-0.307	-0.567	9.1184	
15 minute summer	S37	1.011	S38	197.4	1.263	2.794	14.3287	
15 minute summer	S38	1.012	S39	183.6	1.229	2.570	14.3287	
15 minute summer	S39	1.013	S57	171.9	1.369	2.712	1.1814	
15 minute summer	S56	12.011	S57	-28.4	-0.357	-0.418	2.0645	
15 minute summer	S57	1.014	S127	172.5	1.240	2.438	4.4483	
15 minute summer	S125	21.003	S127	-54.5	-0.604	-0.781	7.8102	
15 minute summer	S127	1.015	S60	156.6	1.371	2.199	4.3075	
15 minute summer	S119	22.003	S60	-39.6	-0.569	-0.567	7.3373	
15 minute summer	S60	1.016	Pond Inlet 1	151.5	1.115	2.000	3.9857	
15 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	118.2	0.051	0.002	716.6291	
15 minute summer	Pond Outlet	1.018	S13	1.1	0.319	0.016	0.2491	
15 minute summer	S13	Pump	Final Outfall	0.0				0.0
15 minute summer	PP-S26	1.000_1	S26	-25.7	-0.959	-0.670	0.3334	
15 minute summer	PP-S25	2.000_1	S25	-32.5	-1.226	-0.566	0.1644	
15 minute summer	PP-S16	3.000_1	S16	-36.8	-1.290	-0.546	0.1685	
15 minute summer	PP-S145	4.000_2	S145	27.1	1.328	0.321	0.1649	
15 minute summer	PP-S4	1.000_2	S4	-27.7	-1.007	-0.486	0.1527	
15 minute summer	PP-S1	4.000_1	S1	22.0	1.226	0.332	0.1416	

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Results for 100 year +20% CC 15 minute summer. 1455 minute analysis at 1 minute timestep. Mass balance: 99.14%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	PP-S5	23	0.631	0.131	40.9	16.0419	0.0000	OK
15 minute summer	PP-S12	24	0.624	0.124	47.7	11.6372	0.0000	OK
15 minute summer	PP-S14	36	0.583	0.083	36.9	29.0696	0.0000	OK
15 minute summer	PP-S2	21	0.621	0.121	30.7	12.2031	0.0000	OK
15 minute summer	PP-S15	23	0.622	0.122	28.9	6.3839	0.0000	OK
15 minute summer	PP-S75	18	0.638	0.138	30.4	8.0802	0.0000	OK
15 minute summer	PP-S24	18	0.650	0.150	69.3	18.4044	0.0000	OK
15 minute summer	PP-S30	15	0.678	0.178	65.8	9.9234	0.0000	OK
15 minute summer	PP-S33	15	0.648	0.148	57.6	8.2339	0.0000	OK
15 minute summer	PP-S34	18	0.594	0.094	28.6	9.6029	0.0000	OK
15 minute summer	PP-S35	16	0.530	0.030	4.0	0.6714	0.0000	OK
15 minute summer	PP-S36	18	0.546	0.046	12.1	2.2189	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	23.0	1.267	0.310	0.1591	
15 minute summer	PP-S12	8.000_1	S12	-41.1	-1.497	-0.452	0.1556	
15 minute summer	PP-S14	11.000_1	S14	-36.5	-1.514	-0.440	0.1319	
15 minute summer	PP-S2	10.000_1	S2	31.0	1.090	0.339	0.1537	
15 minute summer	PP-S15	12.000_1	S15	31.9	1.200	0.339	0.1545	
15 minute summer	PP-S75	13.000_1	S75	29.2	1.151	0.296	0.1631	
15 minute summer	PP-S24	14.000_1	S92	-51.9	-1.677	-0.506	0.1698	
15 minute summer	PP-S30	18.000_1	S30	-59.4	-2.095	-0.534	0.1835	
15 minute summer	PP-S33	20.000_1	S33	-50.1	-1.840	-0.439	0.1687	
15 minute summer	PP-S34	21.000_1	S34	32.0	1.623	0.270	0.1388	
15 minute summer	PP-S35	22.000_2	S35	4.8	1.012	0.038	0.1073	
15 minute summer	PP-S36	23.000_2	S36	11.2	1.646	0.094	0.1141	

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Results for 100 year +20% CC 15 minute winter. 1455 minute analysis at 1 minute timestep. Mass balance: 99.09%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	S26	23	0.686	0.924	66.2	1.6325	0.0000	SURCHARGED
15 minute winter	S25	23	0.680	0.924	59.9	2.3524	0.0000	SURCHARGED
15 minute winter	S16	22	0.681	0.948	200.7	4.2051	0.0000	SURCHARGED
15 minute winter	S145	16	0.674	0.989	167.2	4.2606	0.0000	SURCHARGED
15 minute winter	S4	35	0.677	0.920	91.9	1.6262	0.0000	SURCHARGED
15 minute winter	S5	39	0.674	0.958	181.7	1.6921	0.0000	SURCHARGED
15 minute winter	S9	14	0.706	1.002	46.9	2.3090	0.0000	SURCHARGED
15 minute winter	S10	23	0.648	0.969	43.4	1.7119	0.0000	SURCHARGED
15 minute winter	S11	23	0.648	0.974	190.2	1.7217	0.0000	SURCHARGED
15 minute winter	S12	23	0.647	0.982	191.2	1.7357	0.0000	SURCHARGED
15 minute winter	S1	26	0.642	0.906	100.1	2.1347	0.0000	SURCHARGED
15 minute winter	S3	17	0.643	0.950	80.0	3.0391	0.0000	SURCHARGED
15 minute winter	S2	21	0.644	0.980	46.3	1.7312	0.0000	SURCHARGED
15 minute winter	S14	43	0.642	0.951	63.9	1.6799	0.0000	SURCHARGED
15 minute winter	S15	18	0.645	0.991	257.8	4.4619	0.0000	SURCHARGED
15 minute winter	S75	17	0.672	1.034	280.9	2.6314	0.0000	SURCHARGED
15 minute winter	S87	12	1.078	1.364	60.6	4.4264	0.0000	SURCHARGED
15 minute winter	S88	12	1.075	1.383	98.6	4.5110	0.0000	SURCHARGED
15 minute winter	S89	12	1.032	1.362	145.8	4.4148	0.0000	SURCHARGED
15 minute winter	S90	13	0.945	1.297	189.8	4.1313	0.0000	SURCHARGED
15 minute winter	S92	13	0.791	1.170	328.5	2.9771	0.0000	SURCHARGED
15 minute winter	S81	12	1.130	1.432	60.6	4.6232	0.0000	FLOOD RISK
15 minute winter	S82	12	1.128	1.452	99.5	4.7141	0.0000	FLOOD RISK
15 minute winter	S83	12	1.093	1.438	143.5	4.6433	0.0000	FLOOD RISK
15 minute winter	S84	12	1.000	1.367	186.5	4.3346	0.0000	SURCHARGED
15 minute winter	S86	13	0.832	1.225	176.8	3.1164	0.0000	SURCHARGED
15 minute winter	S76	12	1.119	1.436	60.6	4.6159	0.0000	FLOOD RISK
15 minute winter	S77	12	1.116	1.455	102.0	4.7042	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)
15 minute winter	S26	1.000	S16	-62.8	-0.396	-0.887	9.2005	
15 minute winter	S25	2.000	S16	-56.0	-0.354	-0.794	7.3393	
15 minute winter	S16	1.001	S145	-141.3	-0.892	-1.981	15.0038	
15 minute winter	S145	1.002	S75	-87.9	-0.555	-1.246	15.0038	
15 minute winter	S4	3.000	S5	-84.8	-0.646	-1.203	13.1095	
15 minute winter	S5	3.001	S11	-170.3	-1.075	-2.386	13.1095	
15 minute winter	S9	4.000	S10	-29.5	0.467	-0.421	8.0648	
15 minute winter	S10	4.001	S11	-43.4	0.598	-0.571	1.3780	
15 minute winter	S11	3.002	S12	-190.2	-1.200	-2.695	2.8740	
15 minute winter	S12	3.003	S15	-186.9	-1.180	-2.715	3.6838	
15 minute winter	S1	5.000	S3	-78.1	-0.493	-1.099	13.5151	
15 minute winter	S3	5.001	S2	43.9	0.561	0.619	9.1848	
15 minute winter	S2	5.002	S15	43.4	0.398	0.637	3.4165	
15 minute winter	S14	6.000	S15	-63.8	-0.548	-0.907	11.8707	
15 minute winter	S15	3.004	S75	-196.3	-1.239	-2.742	4.9661	
15 minute winter	S75	1.003	S92	-277.1	-1.749	-3.893	5.3380	
15 minute winter	S87	7.000	S88	46.3	0.292	0.649	6.8747	
15 minute winter	S88	7.001	S89	91.1	0.575	1.277	6.8747	
15 minute winter	S89	7.002	S90	135.9	0.858	1.905	6.8747	
15 minute winter	S90	7.003	S92	183.0	1.155	2.596	8.6413	
15 minute winter	S92	1.005	S86	-145.5	-0.919	-2.049	4.4095	
15 minute winter	S81	8.000	S82	44.3	0.279	0.620	6.8747	
15 minute winter	S82	8.001	S83	87.3	0.551	1.254	6.8747	
15 minute winter	S83	8.002	S84	131.7	0.831	1.846	6.8747	
15 minute winter	S84	8.003	S86	176.8	1.116	2.490	8.1975	
15 minute winter	S86	1.006	S30	118.0	0.745	1.662	4.4165	
15 minute winter	S76	9.000	S77	43.3	0.279	0.608	6.8747	
15 minute winter	S77	9.001	S78	85.9	0.542	1.205	6.8747	

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Results for 100 year +20% CC 15 minute winter. 1455 minute analysis at 1 minute timestep. Mass balance: 99.09%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	S78	12	1.084	1.445	143.2	4.6447	0.0000	SURCHARGED
15 minute winter	S79	12	0.984	1.366	185.4	4.3162	0.0000	SURCHARGED
15 minute winter	S30	13	0.817	1.224	226.2	3.1148	0.0000	SURCHARGED
15 minute winter	S31	11	0.947	1.283	65.4	4.2503	0.0000	SURCHARGED
15 minute winter	S32	12	0.822	1.201	124.4	3.7085	0.0000	SURCHARGED
15 minute winter	S33	13	0.731	1.154	252.5	2.9380	0.0000	SURCHARGED
15 minute winter	S34	15	0.654	1.093	203.3	1.9307	0.0000	SURCHARGED
15 minute winter	S35	17	0.603	1.069	195.7	1.8889	0.0000	SURCHARGED
15 minute winter	S36	14	0.561	1.003	45.7	1.7731	0.0000	SURCHARGED
15 minute winter	S37	17	0.574	1.045	258.6	5.1369	0.0000	SURCHARGED
15 minute winter	S38	19	0.304	0.820	215.2	1.4484	0.0000	SURCHARGED
15 minute winter	S39	19	0.056	0.618	200.6	1.0926	0.0000	SURCHARGED
15 minute winter	S56	19	0.013	0.572	11.6	1.0105	0.0000	SURCHARGED
15 minute winter	S57	19	0.013	0.578	186.0	1.4711	0.0000	SURCHARGED
15 minute winter	S125	19	-0.083	0.472	52.4	0.8334	0.0000	SURCHARGED
15 minute winter	S127	19	-0.081	0.498	175.0	1.2666	0.0000	SURCHARGED
15 minute winter	S119	18	-0.158	0.411	36.8	0.7270	0.0000	OK
15 minute winter	S60	20	-0.169	0.424	162.2	1.0800	0.0000	OK
15 minute winter	Pond Inlet 1	19	-0.294	0.316	156.2	0.5583	0.0000	OK
15 minute winter	Pond Outlet	1434	-0.453	0.157	124.2	0.1773	0.0000	OK
15 minute winter	S13	1420	-0.453	0.185	1.2	0.6403	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	0.689	0.189	36.2	17.6046	0.0000	OK
15 minute winter	PP-S25	24	0.681	0.181	45.0	14.5839	0.0000	OK
15 minute winter	PP-S16	23	0.684	0.184	55.2	23.5014	0.0000	OK
15 minute winter	PP-S145	21	0.674	0.174	63.9	22.8761	0.0000	OK
15 minute winter	PP-S4	25	0.658	0.158	46.4	18.0408	0.0000	OK
15 minute winter	PP-S1	30	0.640	0.140	64.0	46.3304	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	131.7	0.831	1.890	6.8745	
15 minute winter	S79	9.003	S30	178.9	1.129	2.487	7.6907	
15 minute winter	S30	1.007	S33	192.1	1.212	2.698	5.0209	
15 minute winter	S31	10.000	S32	79.3	0.501	1.122	13.6740	
15 minute winter	S32	10.001	S33	119.4	0.753	1.669	13.6740	
15 minute winter	S33	1.008	S34	194.3	1.227	2.755	5.1108	
15 minute winter	S34	1.009	S35	194.2	1.226	2.734	8.5103	
15 minute winter	S35	1.010	S37	185.8	1.172	2.796	1.7947	
15 minute winter	S36	11.000	S37	-38.4	-0.258	-0.540	9.1184	
15 minute winter	S37	1.011	S38	215.2	1.358	3.045	14.3287	
15 minute winter	S38	1.012	S39	200.6	1.274	2.807	14.3287	
15 minute winter	S39	1.013	S57	178.2	1.142	2.812	1.1814	
15 minute winter	S56	12.011	S57	-11.6	-0.515	-0.171	2.0645	
15 minute winter	S57	1.014	S127	175.0	1.337	2.474	4.4483	
15 minute winter	S125	21.003	S127	-52.4	-0.672	-0.751	7.8151	
15 minute winter	S127	1.015	S60	162.2	1.185	2.278	4.3384	
15 minute winter	S119	22.003	S60	-36.8	-0.557	-0.526	7.5040	
15 minute winter	S60	1.016	Pond Inlet 1	156.2	1.121	2.062	4.0811	
15 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	124.2	0.052	0.003	801.0103	
15 minute winter	Pond Outlet	1.018	S13	1.2	0.324	0.017	0.2809	
15 minute winter	S13	Pump	Final Outfall	0.0				0.0
15 minute winter	PP-S26	1.000_1	S26	-26.8	-1.159	-0.697	0.3773	
15 minute winter	PP-S25	2.000_1	S25	-36.9	-1.546	-0.643	0.1848	
15 minute winter	PP-S16	3.000_1	S16	-40.7	-1.444	-0.603	0.1864	
15 minute winter	PP-S145	4.000_2	S145	-47.1	-1.563	-0.558	0.1820	
15 minute winter	PP-S4	1.000_2	S4	-32.8	-1.496	-0.575	0.1730	
15 minute winter	PP-S1	4.000_1	S1	-29.7	-1.248	-0.448	0.1640	

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Results for 100 year +20% CC 15 minute winter. 1455 minute analysis at 1 minute timestep. Mass balance: 99.09%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	PP-S5	24	0.656	0.156	42.0	21.0341	0.0000	OK
15 minute winter	PP-S12	23	0.649	0.149	32.3	14.3977	0.0000	OK
15 minute winter	PP-S14	40	0.604	0.104	44.5	42.6345	0.0000	OK
15 minute winter	PP-S2	21	0.646	0.146	39.8	15.0085	0.0000	OK
15 minute winter	PP-S15	18	0.648	0.148	27.7	7.9530	0.0000	OK
15 minute winter	PP-S75	17	0.674	0.174	54.3	10.4583	0.0000	OK
15 minute winter	PP-S24	18	0.703	0.203	100.4	26.7353	0.0000	OK
15 minute winter	PP-S30	15	0.777	0.277	86.1	15.9120	0.0000	SURCHARGED
15 minute winter	PP-S33	15	0.728	0.228	69.6	13.1970	0.0000	SURCHARGED
15 minute winter	PP-S34	18	0.647	0.147	54.2	17.1002	0.0000	OK
15 minute winter	PP-S35	16	0.587	0.087	11.1	2.2155	0.0000	OK
15 minute winter	PP-S36	18	0.560	0.060	13.6	3.6417	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	24.4	1.302	0.329	0.1727	
15 minute winter	PP-S12	8.000_1	S12	-25.0	1.082	-0.274	0.1692	
15 minute winter	PP-S14	11.000_1	S14	-44.0	-1.645	-0.532	0.1444	
15 minute winter	PP-S2	10.000_1	S2	-28.9	1.123	-0.316	0.1674	
15 minute winter	PP-S15	12.000_1	S15	23.9	1.238	0.254	0.1689	
15 minute winter	PP-S75	13.000_1	S75	-46.4	-1.647	-0.470	0.1819	
15 minute winter	PP-S24	14.000_1	S92	-80.9	-2.406	-0.789	0.1939	
15 minute winter	PP-S30	18.000_1	S30	-79.0	-2.384	-0.710	0.1989	
15 minute winter	PP-S33	20.000_1	S33	-61.2	-1.981	-0.536	0.1988	
15 minute winter	PP-S34	21.000_1	S34	39.4	1.571	0.333	0.1680	
15 minute winter	PP-S35	22.000_2	S35	21.9	1.051	0.176	0.1346	
15 minute winter	PP-S36	23.000_2	S36	17.0	1.623	0.143	0.1204	

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Results for 100 year +20% CC 30 minute summer. 1470 minute analysis at 1 minute timestep. Mass balance: 99.54%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	S26	32	0.715	0.953	36.7	1.6846	0.0000	SURCHARGED
30 minute summer	S25	33	0.716	0.960	45.1	2.4427	0.0000	SURCHARGED
30 minute summer	S16	33	0.714	0.981	154.5	4.3481	0.0000	SURCHARGED
30 minute summer	S145	32	0.704	1.019	144.8	4.3895	0.0000	SURCHARGED
30 minute summer	S4	20	0.853	1.096	68.7	1.9364	0.0000	SURCHARGED
30 minute summer	S5	35	0.685	0.969	122.9	1.7130	0.0000	SURCHARGED
30 minute summer	S9	33	0.679	0.975	26.3	2.2474	0.0000	SURCHARGED
30 minute summer	S10	33	0.680	1.001	28.3	1.7685	0.0000	SURCHARGED
30 minute summer	S11	32	0.680	1.006	168.1	1.7778	0.0000	SURCHARGED
30 minute summer	S12	33	0.679	1.014	176.2	1.7921	0.0000	SURCHARGED
30 minute summer	S1	19	0.680	0.944	33.5	2.2234	0.0000	SURCHARGED
30 minute summer	S3	33	0.676	0.983	73.2	3.1451	0.0000	SURCHARGED
30 minute summer	S2	33	0.678	1.014	40.0	1.7919	0.0000	SURCHARGED
30 minute summer	S14	36	0.675	0.984	47.7	1.7389	0.0000	SURCHARGED
30 minute summer	S15	32	0.678	1.024	232.2	4.6089	0.0000	SURCHARGED
30 minute summer	S75	31	0.695	1.057	255.6	2.6891	0.0000	SURCHARGED
30 minute summer	S87	20	1.050	1.336	51.6	4.3327	0.0000	SURCHARGED
30 minute summer	S88	20	1.047	1.355	88.8	4.4198	0.0000	SURCHARGED
30 minute summer	S89	20	1.019	1.349	130.2	4.3735	0.0000	SURCHARGED
30 minute summer	S90	20	0.944	1.296	170.2	4.1293	0.0000	SURCHARGED
30 minute summer	S92	20	0.788	1.167	296.8	2.9709	0.0000	SURCHARGED
30 minute summer	S81	20	1.098	1.400	51.6	4.5191	0.0000	FLOOD RISK
30 minute summer	S82	20	1.091	1.415	87.5	4.5947	0.0000	FLOOD RISK
30 minute summer	S83	20	1.061	1.406	127.2	4.5401	0.0000	SURCHARGED
30 minute summer	S84	20	0.984	1.351	168.6	4.2864	0.0000	SURCHARGED
30 minute summer	S86	20	0.830	1.223	163.4	3.1122	0.0000	SURCHARGED
30 minute summer	S76	20	1.077	1.394	51.6	4.4815	0.0000	SURCHARGED
30 minute summer	S77	20	1.068	1.407	89.1	4.5484	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	-34.1	-0.215	-0.481	9.2005	
30 minute summer	S25	2.000	S16	-40.7	-0.257	-0.576	7.3393	
30 minute summer	S16	1.001	S145	-99.2	-0.626	-1.391	15.0038	
30 minute summer	S145	1.002	S75	-73.6	-0.464	-1.043	15.0038	
30 minute summer	S4	3.000	S5	-68.7	-0.434	-0.974	13.1095	
30 minute summer	S5	3.001	S11	-112.5	-0.746	-1.576	13.1095	
30 minute summer	S9	4.000	S10	14.1	0.276	0.202	8.0648	
30 minute summer	S10	4.001	S11	-28.3	0.427	-0.372	1.3780	
30 minute summer	S11	3.002	S12	-168.1	-1.061	-2.382	2.8740	
30 minute summer	S12	3.003	S15	-172.5	-1.089	-2.506	3.6838	
30 minute summer	S1	5.000	S3	-28.8	-0.182	-0.405	13.5151	
30 minute summer	S3	5.001	S2	39.1	0.341	0.551	9.1848	
30 minute summer	S2	5.002	S15	41.8	0.269	0.614	3.4165	
30 minute summer	S14	6.000	S15	-47.7	-0.301	-0.678	11.8707	
30 minute summer	S15	3.004	S75	-169.6	-1.071	-2.369	4.9661	
30 minute summer	S75	1.003	S92	-251.5	-1.588	-3.535	5.3380	
30 minute summer	S87	7.000	S88	40.5	0.256	0.568	6.8747	
30 minute summer	S88	7.001	S89	81.9	0.517	1.149	6.8747	
30 minute summer	S89	7.002	S90	123.2	0.778	1.727	6.8747	
30 minute summer	S90	7.003	S92	166.6	1.052	2.364	8.6413	
30 minute summer	S92	1.005	S86	-130.2	-0.822	-1.832	4.4095	
30 minute summer	S81	8.000	S82	38.8	0.245	0.544	6.8747	
30 minute summer	S82	8.001	S83	79.1	0.499	1.136	6.8747	
30 minute summer	S83	8.002	S84	121.7	0.768	1.706	6.8747	
30 minute summer	S84	8.003	S86	163.4	1.031	2.301	8.1975	
30 minute summer	S86	1.006	S30	121.9	0.769	1.716	4.4165	
30 minute summer	S76	9.000	S77	41.0	0.258	0.574	6.8747	
30 minute summer	S77	9.001	S78	82.2	0.519	1.152	6.8747	

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Results for 100 year +20% CC 30 minute summer. 1470 minute analysis at 1 minute timestep. Mass balance: 99.54%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	S78	20	1.036	1.397	129.3	4.4890	0.0000	SURCHARGED
30 minute summer	S79	20	0.962	1.344	171.4	4.2471	0.0000	SURCHARGED
30 minute summer	S30	20	0.819	1.226	218.4	3.1208	0.0000	SURCHARGED
30 minute summer	S31	18	0.782	1.118	55.7	3.7022	0.0000	SURCHARGED
30 minute summer	S32	18	0.801	1.180	106.6	3.6450	0.0000	SURCHARGED
30 minute summer	S33	21	0.743	1.166	219.1	2.9680	0.0000	SURCHARGED
30 minute summer	S34	23	0.666	1.105	192.3	1.9528	0.0000	SURCHARGED
30 minute summer	S35	26	0.594	1.060	172.5	1.8735	0.0000	SURCHARGED
30 minute summer	S36	25	0.572	1.014	23.6	1.7922	0.0000	SURCHARGED
30 minute summer	S37	26	0.573	1.044	237.4	5.1315	0.0000	SURCHARGED
30 minute summer	S38	26	0.323	0.839	193.3	1.4819	0.0000	SURCHARGED
30 minute summer	S39	25	0.068	0.630	180.5	1.1125	0.0000	SURCHARGED
30 minute summer	S56	28	0.023	0.582	12.5	1.0291	0.0000	SURCHARGED
30 minute summer	S57	28	0.023	0.588	178.4	1.4971	0.0000	SURCHARGED
30 minute summer	S125	26	-0.069	0.486	50.4	0.8587	0.0000	SURCHARGED
30 minute summer	S127	28	-0.071	0.508	177.4	1.2924	0.0000	SURCHARGED
30 minute summer	S119	27	-0.160	0.409	37.9	0.7235	0.0000	OK
30 minute summer	S60	26	-0.162	0.431	161.6	1.0956	0.0000	OK
30 minute summer	Pond Inlet 1	28	-0.289	0.321	159.4	0.5668	0.0000	OK
30 minute summer	Pond Outlet	1469	-0.428	0.182	135.1	0.2055	0.0000	OK
30 minute summer	S13	1015	-0.428	0.210	1.1	0.7267	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	0.717	0.217	33.3	20.6526	0.0000	OK
30 minute summer	PP-S25	33	0.717	0.217	40.7	18.0044	0.0000	OK
30 minute summer	PP-S16	33	0.715	0.215	51.1	28.7673	0.0000	OK
30 minute summer	PP-S145	32	0.705	0.205	61.4	28.4130	0.0000	OK
30 minute summer	PP-S4	36	0.689	0.189	71.5	22.9408	0.0000	OK
30 minute summer	PP-S1	40	0.677	0.177	82.2	59.2042	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	124.4	0.785	1.786	6.8745	
30 minute summer	S79	9.003	S30	164.6	1.039	2.289	7.6907	
30 minute summer	S30	1.007	S33	156.6	0.989	2.200	5.0209	
30 minute summer	S31	10.000	S32	57.8	0.365	0.817	13.6740	
30 minute summer	S32	10.001	S33	104.3	0.658	1.458	13.6740	
30 minute summer	S33	1.008	S34	182.9	1.154	2.592	5.1108	
30 minute summer	S34	1.009	S35	170.9	1.079	2.407	8.5103	
30 minute summer	S35	1.010	S37	159.0	1.004	2.393	1.7947	
30 minute summer	S36	11.000	S37	25.2	-0.172	0.355	9.1184	
30 minute summer	S37	1.011	S38	193.3	1.220	2.736	14.3287	
30 minute summer	S38	1.012	S39	180.5	1.140	2.527	14.3287	
30 minute summer	S39	1.013	S57	178.4	1.127	2.816	1.1814	
30 minute summer	S56	12.011	S57	-12.5	-0.339	-0.184	2.0645	
30 minute summer	S57	1.014	S127	175.4	1.256	2.480	4.4483	
30 minute summer	S125	21.003	S127	-50.4	-0.566	-0.721	7.8151	
30 minute summer	S127	1.015	S60	160.0	1.112	2.246	4.3545	
30 minute summer	S119	22.003	S60	-37.9	-0.522	-0.543	7.5808	
30 minute summer	S60	1.016	Pond Inlet 1	159.4	1.129	2.106	4.1318	
30 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	135.1	0.054	0.003	934.2068	
30 minute summer	Pond Outlet	1.018	S13	1.1	0.332	0.016	0.3300	
30 minute summer	S13	Pump	Final Outfall	0.0				0.0
30 minute summer	PP-S26	1.000_1	S26	-24.1	-1.019	-0.627	0.3954	
30 minute summer	PP-S25	2.000_1	S25	-32.9	-1.362	-0.572	0.1976	
30 minute summer	PP-S16	3.000_1	S16	-37.3	-1.362	-0.552	0.1972	
30 minute summer	PP-S145	4.000_2	S145	-45.2	-1.377	-0.535	0.1945	
30 minute summer	PP-S4	1.000_2	S4	-58.9	-2.040	-1.033	0.1886	
30 minute summer	PP-S1	4.000_1	S1	-51.1	-1.900	-0.771	0.1831	

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Results for 100 year +20% CC 30 minute summer. 1470 minute analysis at 1 minute timestep. Mass balance: 99.54%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	PP-S5	35	0.687	0.187	38.1	27.2201	0.0000	OK
30 minute summer	PP-S12	32	0.680	0.180	47.4	17.8700	0.0000	OK
30 minute summer	PP-S14	52	0.635	0.135	47.9	62.2914	0.0000	OK
30 minute summer	PP-S2	33	0.679	0.179	52.2	18.7581	0.0000	OK
30 minute summer	PP-S15	33	0.678	0.178	32.0	9.7352	0.0000	OK
30 minute summer	PP-S75	31	0.696	0.196	52.8	11.8880	0.0000	OK
30 minute summer	PP-S24	26	0.730	0.230	98.0	30.8607	0.0000	SURCHARGED
30 minute summer	PP-S30	22	0.786	0.286	86.1	16.4315	0.0000	SURCHARGED
30 minute summer	PP-S33	23	0.746	0.246	70.7	14.3214	0.0000	SURCHARGED
30 minute summer	PP-S34	27	0.665	0.165	59.2	19.7239	0.0000	OK
30 minute summer	PP-S35	27	0.591	0.091	13.1	2.3455	0.0000	OK
30 minute summer	PP-S36	25	0.570	0.070	16.6	4.9459	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	24.9	1.271	0.336	0.1875	
30 minute summer	PP-S12	8.000_1	S12	-40.5	-1.417	-0.445	0.1847	
30 minute summer	PP-S14	11.000_1	S14	-47.6	-1.645	-0.575	0.1617	
30 minute summer	PP-S2	10.000_1	S2	-42.1	-1.432	-0.461	0.1841	
30 minute summer	PP-S15	12.000_1	S15	-24.1	1.196	-0.256	0.1838	
30 minute summer	PP-S75	13.000_1	S75	-45.3	-1.541	-0.459	0.1913	
30 minute summer	PP-S24	14.000_1	S92	-79.3	-2.382	-0.773	0.1989	
30 minute summer	PP-S30	18.000_1	S30	-79.1	-2.178	-0.711	0.1989	
30 minute summer	PP-S33	20.000_1	S33	-62.4	-1.869	-0.546	0.1989	
30 minute summer	PP-S34	21.000_1	S34	-43.0	1.613	-0.363	0.1776	
30 minute summer	PP-S35	22.000_2	S35	11.1	1.069	0.090	0.1372	
30 minute summer	PP-S36	23.000_2	S36	23.6	1.637	0.198	0.1259	

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Results for 100 year +20% CC 30 minute winter. 1470 minute analysis at 1 minute timestep. Mass balance: 99.66%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute winter	S26	33	0.761	0.999	56.2	1.7661	0.0000	SURCHARGED
30 minute winter	S25	34	0.760	1.004	56.7	2.5553	0.0000	SURCHARGED
30 minute winter	S16	33	0.759	1.026	165.1	4.5486	0.0000	SURCHARGED
30 minute winter	S145	31	0.748	1.063	133.1	4.5771	0.0000	SURCHARGED
30 minute winter	S4	36	0.724	0.967	101.5	1.7078	0.0000	SURCHARGED
30 minute winter	S5	35	0.720	1.004	152.3	1.7735	0.0000	SURCHARGED
30 minute winter	S9	33	0.713	1.009	30.0	2.3243	0.0000	SURCHARGED
30 minute winter	S10	33	0.713	1.034	45.9	1.8273	0.0000	SURCHARGED
30 minute winter	S11	33	0.713	1.039	177.1	1.8358	0.0000	SURCHARGED
30 minute winter	S12	33	0.713	1.048	183.0	1.8512	0.0000	SURCHARGED
30 minute winter	S1	40	0.711	0.975	65.3	2.2950	0.0000	SURCHARGED
30 minute winter	S3	33	0.709	1.016	71.1	3.2483	0.0000	SURCHARGED
30 minute winter	S2	33	0.711	1.047	42.0	1.8504	0.0000	SURCHARGED
30 minute winter	S14	38	0.695	1.004	54.8	1.7743	0.0000	SURCHARGED
30 minute winter	S15	32	0.712	1.058	219.5	4.7618	0.0000	SURCHARGED
30 minute winter	S75	31	0.737	1.099	232.1	2.7979	0.0000	SURCHARGED
30 minute winter	S87	20	1.098	1.384	46.7	4.4886	0.0000	FLOOD RISK
30 minute winter	S88	20	1.095	1.403	84.3	4.5741	0.0000	FLOOD RISK
30 minute winter	S89	20	1.066	1.396	123.5	4.5236	0.0000	SURCHARGED
30 minute winter	S90	20	0.985	1.337	162.4	4.2577	0.0000	SURCHARGED
30 minute winter	S92	21	0.826	1.205	266.8	3.0657	0.0000	SURCHARGED
30 minute winter	S81	20	1.131	1.433	46.7	4.6259	0.0000	FLOOD RISK
30 minute winter	S82	20	1.126	1.450	83.5	4.7093	0.0000	FLOOD RISK
30 minute winter	S83	20	1.093	1.438	124.2	4.6430	0.0000	FLOOD RISK
30 minute winter	S84	20	1.019	1.386	163.1	4.3956	0.0000	SURCHARGED
30 minute winter	S86	21	0.866	1.259	160.4	3.2033	0.0000	SURCHARGED
30 minute winter	S76	20	1.108	1.425	46.7	4.5812	0.0000	FLOOD RISK
30 minute winter	S77	20	1.101	1.440	83.7	4.6548	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)
30 minute winter	S26	1.000	S16	-52.6	-0.332	-0.743	9.2005	
30 minute winter	S25	2.000	S16	-52.7	-0.333	-0.747	7.3393	
30 minute winter	S16	1.001	S145	-110.6	-0.698	-1.551	15.0038	
30 minute winter	S145	1.002	S75	-60.8	-0.384	-0.861	15.0038	
30 minute winter	S4	3.000	S5	-94.3	-0.595	-1.338	13.1095	
30 minute winter	S5	3.001	S11	-140.9	-0.889	-1.974	13.1095	
30 minute winter	S9	4.000	S10	31.2	0.304	0.444	8.0648	
30 minute winter	S10	4.001	S11	-45.9	0.459	-0.603	1.3780	
30 minute winter	S11	3.002	S12	-177.1	-1.118	-2.510	2.8740	
30 minute winter	S12	3.003	S15	-179.5	-1.133	-2.607	3.6838	
30 minute winter	S1	5.000	S3	-42.7	-0.270	-0.601	13.5151	
30 minute winter	S3	5.001	S2	34.2	0.376	0.483	9.1848	
30 minute winter	S2	5.002	S15	-41.9	0.288	-0.614	3.4165	
30 minute winter	S14	6.000	S15	-54.8	-0.346	-0.779	11.8707	
30 minute winter	S15	3.004	S75	-163.4	-1.031	-2.283	4.9661	
30 minute winter	S75	1.003	S92	-227.1	-1.433	-3.191	5.3380	
30 minute winter	S87	7.000	S88	40.9	0.258	0.573	6.8747	
30 minute winter	S88	7.001	S89	82.8	0.523	1.161	6.8747	
30 minute winter	S89	7.002	S90	122.8	0.775	1.721	6.8747	
30 minute winter	S90	7.003	S92	160.9	1.016	2.284	8.6413	
30 minute winter	S92	1.005	S86	125.2	0.790	1.763	4.4095	
30 minute winter	S81	8.000	S82	41.2	0.260	0.578	6.8747	
30 minute winter	S82	8.001	S83	83.0	0.524	1.192	6.8747	
30 minute winter	S83	8.002	S84	122.6	0.774	1.719	6.8747	
30 minute winter	S84	8.003	S86	160.4	1.013	2.259	8.1975	
30 minute winter	S86	1.006	S30	124.3	0.785	1.751	4.4165	
30 minute winter	S76	9.000	S77	40.6	0.256	0.569	6.8747	
30 minute winter	S77	9.001	S78	81.5	0.515	1.143	6.8747	

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Results for 100 year +20% CC 30 minute winter. 1470 minute analysis at 1 minute timestep. Mass balance: 99.66%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute winter	S78	20	1.066	1.427	126.0	4.5877	0.0000	SURCHARGED
30 minute winter	S79	20	0.996	1.378	166.5	4.3535	0.0000	SURCHARGED
30 minute winter	S30	21	0.863	1.270	215.2	3.2315	0.0000	SURCHARGED
30 minute winter	S31	20	0.832	1.168	50.4	3.8698	0.0000	SURCHARGED
30 minute winter	S32	20	0.834	1.213	103.9	3.7459	0.0000	SURCHARGED
30 minute winter	S33	23	0.802	1.225	221.8	3.1185	0.0000	SURCHARGED
30 minute winter	S34	28	0.715	1.154	164.3	2.0386	0.0000	SURCHARGED
30 minute winter	S35	29	0.638	1.104	158.7	1.9505	0.0000	SURCHARGED
30 minute winter	S36	28	0.618	1.060	26.5	1.8724	0.0000	SURCHARGED
30 minute winter	S37	28	0.610	1.081	215.6	5.3152	0.0000	SURCHARGED
30 minute winter	S38	29	0.349	0.865	189.7	1.5283	0.0000	SURCHARGED
30 minute winter	S39	29	0.088	0.650	181.0	1.1481	0.0000	SURCHARGED
30 minute winter	S56	29	0.041	0.600	12.0	1.0609	0.0000	SURCHARGED
30 minute winter	S57	29	0.041	0.606	179.4	1.5433	0.0000	SURCHARGED
30 minute winter	S125	29	-0.059	0.496	42.4	0.8772	0.0000	SURCHARGED
30 minute winter	S127	29	-0.058	0.521	173.0	1.3247	0.0000	SURCHARGED
30 minute winter	S119	29	-0.154	0.415	33.7	0.7331	0.0000	OK
30 minute winter	S60	30	-0.154	0.439	164.6	1.1168	0.0000	OK
30 minute winter	Pond Inlet 1	30	-0.283	0.327	163.0	0.5774	0.0000	OK
30 minute winter	Pond Outlet	1405	-0.408	0.202	142.0	0.2290	0.0000	OK
30 minute winter	S13	932	-0.407	0.231	1.2	0.7986	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	0.763	0.263	37.7	25.7666	0.0000	SURCHARGED
30 minute winter	PP-S25	34	0.761	0.261	42.5	22.2048	0.0000	SURCHARGED
30 minute winter	PP-S16	34	0.761	0.261	53.5	36.6555	0.0000	SURCHARGED
30 minute winter	PP-S145	32	0.750	0.250	69.7	36.4893	0.0000	SURCHARGED
30 minute winter	PP-S4	36	0.725	0.225	42.4	28.4702	0.0000	OK
30 minute winter	PP-S1	40	0.712	0.212	77.8	71.6002	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	122.2	0.771	1.755	6.8745	
30 minute winter	S79	9.003	S30	162.4	1.025	2.259	7.6907	
30 minute winter	S30	1.007	S33	142.6	0.900	2.004	5.0209	
30 minute winter	S31	10.000	S32	59.7	0.377	0.845	13.6740	
30 minute winter	S32	10.001	S33	92.3	0.582	1.290	13.6740	
30 minute winter	S33	1.008	S34	164.3	1.037	2.329	5.1108	
30 minute winter	S34	1.009	S35	157.2	0.993	2.214	8.5103	
30 minute winter	S35	1.010	S37	148.2	0.935	2.230	1.7947	
30 minute winter	S36	11.000	S37	27.1	-0.185	0.382	9.1184	
30 minute winter	S37	1.011	S38	189.7	1.197	2.684	14.3287	
30 minute winter	S38	1.012	S39	181.0	1.143	2.534	14.3287	
30 minute winter	S39	1.013	S57	179.4	1.142	2.831	1.1814	
30 minute winter	S56	12.011	S57	-12.0	-0.322	-0.176	2.0645	
30 minute winter	S57	1.014	S127	173.0	1.242	2.445	4.4483	
30 minute winter	S125	21.003	S127	-42.4	-0.562	-0.608	7.8151	
30 minute winter	S127	1.015	S60	164.6	1.171	2.311	4.3727	
30 minute winter	S119	22.003	S60	-33.7	-0.534	-0.482	7.6496	
30 minute winter	S60	1.016	Pond Inlet 1	163.0	1.138	2.153	4.1881	
30 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	142.0	0.056	0.003	1045.7725	
30 minute winter	Pond Outlet	1.018	S13	1.2	0.336	0.017	0.3688	
30 minute winter	S13	Pump	Final Outfall	0.0				0.0
30 minute winter	PP-S26	1.000_1	S26	-27.5	-1.082	-0.716	0.3977	
30 minute winter	PP-S25	2.000_1	S25	-33.8	-1.462	-0.588	0.1989	
30 minute winter	PP-S16	3.000_1	S16	-38.4	-1.384	-0.568	0.1989	
30 minute winter	PP-S145	4.000_2	S145	-51.8	-1.536	-0.614	0.1989	
30 minute winter	PP-S4	1.000_2	S4	-28.6	-1.172	-0.502	0.1988	
30 minute winter	PP-S1	4.000_1	S1	-41.7	-1.393	-0.629	0.1964	

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Results for 100 year +20% CC 30 minute winter. 1470 minute analysis at 1 minute timestep. Mass balance: 99.66%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute winter	PP-S5	36	0.721	0.221	45.7	34.0788	0.0000	OK
30 minute winter	PP-S12	32	0.713	0.213	51.5	21.5326	0.0000	OK
30 minute winter	PP-S14	55	0.664	0.164	55.0	80.8146	0.0000	OK
30 minute winter	PP-S2	33	0.712	0.212	52.8	22.5006	0.0000	OK
30 minute winter	PP-S15	32	0.712	0.212	41.8	11.7732	0.0000	OK
30 minute winter	PP-S75	31	0.739	0.239	56.5	14.6811	0.0000	SURCHARGED
30 minute winter	PP-S24	27	0.792	0.292	104.8	40.7514	0.0000	SURCHARGED
30 minute winter	PP-S30	23	0.861	0.361	87.7	20.9618	0.0000	SURCHARGED
30 minute winter	PP-S33	24	0.810	0.310	69.4	18.3305	0.0000	SURCHARGED
30 minute winter	PP-S34	28	0.720	0.220	66.0	27.4919	0.0000	OK
30 minute winter	PP-S35	29	0.639	0.139	14.3	3.6489	0.0000	OK
30 minute winter	PP-S36	27	0.607	0.107	24.7	9.3560	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	25.6	1.260	0.345	0.1984	
30 minute winter	PP-S12	8.000_1	S12	-43.9	-1.480	-0.482	0.1968	
30 minute winter	PP-S14	11.000_1	S14	-54.7	-1.787	-0.661	0.1771	
30 minute winter	PP-S2	10.000_1	S2	-41.7	-1.364	-0.457	0.1965	
30 minute winter	PP-S15	12.000_1	S15	-33.3	1.233	-0.353	0.1966	
30 minute winter	PP-S75	13.000_1	S75	-48.3	-1.628	-0.489	0.1989	
30 minute winter	PP-S24	14.000_1	S92	-84.4	-2.453	-0.822	0.1989	
30 minute winter	PP-S30	18.000_1	S30	-80.4	-2.239	-0.722	0.1989	
30 minute winter	PP-S33	20.000_1	S33	-60.7	-1.780	-0.532	0.1989	
30 minute winter	PP-S34	21.000_1	S34	-48.4	1.610	-0.410	0.1982	
30 minute winter	PP-S35	22.000_2	S35	13.7	1.051	0.110	0.1637	
30 minute winter	PP-S36	23.000_2	S36	26.5	1.618	0.223	0.1457	

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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	49	0.748	0.986	47.2	1.7419	0.0000	SURCHARGED
60 minute summer	S25	49	0.747	0.991	45.4	2.5231	0.0000	SURCHARGED
60 minute summer	S16	49	0.746	1.013	139.8	4.4934	0.0000	SURCHARGED
60 minute summer	S145	51	0.737	1.052	108.2	4.5302	0.0000	SURCHARGED
60 minute summer	S4	53	0.719	0.962	31.5	1.6999	0.0000	SURCHARGED
60 minute summer	S5	54	0.718	1.002	83.7	1.7698	0.0000	SURCHARGED
60 minute summer	S9	56	0.716	1.012	35.7	2.3327	0.0000	SURCHARGED
60 minute summer	S10	55	0.716	1.037	33.9	1.8327	0.0000	SURCHARGED
60 minute summer	S11	56	0.716	1.042	124.4	1.8416	0.0000	SURCHARGED
60 minute summer	S12	56	0.716	1.051	136.4	1.8570	0.0000	SURCHARGED
60 minute summer	S1	59	0.721	0.985	57.3	2.3207	0.0000	SURCHARGED
60 minute summer	S3	59	0.718	1.025	55.8	3.2766	0.0000	SURCHARGED
60 minute summer	S2	56	0.716	1.052	43.3	1.8586	0.0000	SURCHARGED
60 minute summer	S14	58	0.704	1.013	52.3	1.7904	0.0000	SURCHARGED
60 minute summer	S15	56	0.715	1.061	177.7	4.7756	0.0000	SURCHARGED
60 minute summer	S75	47	0.723	1.085	193.6	2.7619	0.0000	SURCHARGED
60 minute summer	S87	34	0.983	1.269	38.2	4.1179	0.0000	SURCHARGED
60 minute summer	S88	34	0.975	1.283	72.8	4.1847	0.0000	SURCHARGED
60 minute summer	S89	34	0.951	1.281	107.7	4.1503	0.0000	SURCHARGED
60 minute summer	S90	35	0.889	1.241	142.2	3.9534	0.0000	SURCHARGED
60 minute summer	S92	35	0.776	1.155	224.9	2.9386	0.0000	SURCHARGED
60 minute summer	S81	34	0.999	1.301	38.2	4.2013	0.0000	SURCHARGED
60 minute summer	S82	34	0.996	1.320	74.2	4.2876	0.0000	SURCHARGED
60 minute summer	S83	35	0.965	1.310	108.1	4.2296	0.0000	SURCHARGED
60 minute summer	S84	35	0.912	1.279	140.8	4.0580	0.0000	SURCHARGED
60 minute summer	S86	35	0.805	1.198	139.0	3.0494	0.0000	SURCHARGED
60 minute summer	S76	34	0.973	1.290	38.2	4.1463	0.0000	SURCHARGED
60 minute summer	S77	34	0.972	1.311	72.0	4.2375	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	-43.9	-0.277	-0.620	9.2005	
60 minute summer	S25	2.000	S16	-41.9	-0.264	-0.594	7.3393	
60 minute summer	S16	1.001	S145	-96.5	-0.609	-1.353	15.0038	
60 minute summer	S145	1.002	S75	-49.3	-0.311	-0.698	15.0038	
60 minute summer	S4	3.000	S5	-31.5	-0.199	-0.447	13.1095	
60 minute summer	S5	3.001	S11	-75.1	-0.476	-1.052	13.1095	
60 minute summer	S9	4.000	S10	-21.7	0.220	-0.310	8.0648	
60 minute summer	S10	4.001	S11	-33.9	0.366	-0.446	1.3780	
60 minute summer	S11	3.002	S12	-124.4	-0.785	-1.763	2.8740	
60 minute summer	S12	3.003	S15	-133.4	-0.842	-1.938	3.6838	
60 minute summer	S1	5.000	S3	-37.7	-0.238	-0.530	13.5151	
60 minute summer	S3	5.001	S2	29.2	0.275	0.411	9.1848	
60 minute summer	S2	5.002	S15	41.3	0.261	0.606	3.4165	
60 minute summer	S14	6.000	S15	-52.3	-0.330	-0.744	11.8707	
60 minute summer	S15	3.004	S75	-133.6	-0.843	-1.867	4.9661	
60 minute summer	S75	1.003	S92	-189.6	-1.197	-2.664	5.3380	
60 minute summer	S87	7.000	S88	34.4	0.217	0.483	6.8747	
60 minute summer	S88	7.001	S89	70.5	0.445	0.988	6.8747	
60 minute summer	S89	7.002	S90	105.9	0.669	1.485	6.8747	
60 minute summer	S90	7.003	S92	139.2	0.879	1.975	8.6413	
60 minute summer	S92	1.005	S86	127.0	0.802	1.788	4.4095	
60 minute summer	S81	8.000	S82	37.0	0.233	0.518	6.8747	
60 minute summer	S82	8.001	S83	70.8	0.447	1.017	6.8747	
60 minute summer	S83	8.002	S84	104.5	0.660	1.465	6.8747	
60 minute summer	S84	8.003	S86	139.0	0.878	1.958	8.1975	
60 minute summer	S86	1.006	S30	125.6	0.793	1.770	4.4165	
60 minute summer	S76	9.000	S77	34.8	0.219	0.487	6.8747	
60 minute summer	S77	9.001	S78	69.7	0.440	0.977	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	35	0.950	1.311	106.9	4.2130	0.0000	SURCHARGED
60 minute summer	S79	35	0.901	1.283	140.4	4.0537	0.0000	SURCHARGED
60 minute summer	S30	38	0.801	1.208	195.5	3.0734	0.0000	SURCHARGED
60 minute summer	S31	38	0.773	1.109	41.2	3.6737	0.0000	SURCHARGED
60 minute summer	S32	38	0.770	1.149	74.2	3.5491	0.0000	SURCHARGED
60 minute summer	S33	38	0.761	1.184	194.9	3.0134	0.0000	SURCHARGED
60 minute summer	S34	43	0.689	1.128	146.3	1.9940	0.0000	SURCHARGED
60 minute summer	S35	43	0.616	1.082	136.1	1.9127	0.0000	SURCHARGED
60 minute summer	S36	42	0.595	1.037	24.8	1.8329	0.0000	SURCHARGED
60 minute summer	S37	43	0.590	1.061	181.3	5.2136	0.0000	SURCHARGED
60 minute summer	S38	43	0.334	0.850	169.9	1.5018	0.0000	SURCHARGED
60 minute summer	S39	43	0.078	0.640	167.8	1.1315	0.0000	SURCHARGED
60 minute summer	S56	44	0.033	0.592	7.2	1.0462	0.0000	SURCHARGED
60 minute summer	S57	43	0.033	0.598	165.3	1.5220	0.0000	SURCHARGED
60 minute summer	S125	44	-0.064	0.491	21.6	0.8678	0.0000	SURCHARGED
60 minute summer	S127	44	-0.064	0.515	163.7	1.3108	0.0000	SURCHARGED
60 minute summer	S119	44	-0.158	0.411	16.0	0.7271	0.0000	OK
60 minute summer	S60	44	-0.158	0.435	161.2	1.1082	0.0000	OK
60 minute summer	Pond Inlet 1	44	-0.285	0.325	161.1	0.5740	0.0000	OK
60 minute summer	Pond Outlet	1378	-0.387	0.223	143.9	0.2528	0.0000	OK
60 minute summer	S13	1225	-0.386	0.252	1.3	0.8715	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	49	0.749	0.249	32.9	24.1999	0.0000	SURCHARGED
60 minute summer	PP-S25	50	0.748	0.248	40.8	20.9745	0.0000	SURCHARGED
60 minute summer	PP-S16	50	0.748	0.248	47.6	34.4007	0.0000	SURCHARGED
60 minute summer	PP-S145	52	0.738	0.238	61.3	34.2247	0.0000	SURCHARGED
60 minute summer	PP-S4	53	0.720	0.220	63.5	27.6845	0.0000	OK
60 minute summer	PP-S1	60	0.723	0.223	69.7	75.4666	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	104.2	0.658	1.495	6.8745	
60 minute summer	S79	9.003	S30	139.0	0.877	1.933	7.6907	
60 minute summer	S30	1.007	S33	126.2	0.797	1.773	5.0209	
60 minute summer	S31	10.000	S32	38.0	0.240	0.537	13.6740	
60 minute summer	S32	10.001	S33	71.6	0.452	1.001	13.6740	
60 minute summer	S33	1.008	S34	146.3	0.924	2.074	5.1108	
60 minute summer	S34	1.009	S35	134.7	0.850	1.897	8.5103	
60 minute summer	S35	1.010	S37	135.6	0.856	2.040	1.7947	
60 minute summer	S36	11.000	S37	24.8	0.156	0.348	9.1184	
60 minute summer	S37	1.011	S38	169.9	1.072	2.404	14.3287	
60 minute summer	S38	1.012	S39	167.8	1.059	2.349	14.3287	
60 minute summer	S39	1.013	S57	165.3	1.043	2.609	1.1814	
60 minute summer	S56	12.011	S57	-7.2	-0.256	-0.105	2.0645	
60 minute summer	S57	1.014	S127	163.7	1.057	2.314	4.4483	
60 minute summer	S125	21.003	S127	-21.6	-0.283	-0.309	7.8151	
60 minute summer	S127	1.015	S60	161.2	1.036	2.263	4.3668	
60 minute summer	S119	22.003	S60	-16.0	-0.251	-0.229	7.6186	
60 minute summer	S60	1.016	Pond Inlet 1	161.1	1.128	2.127	4.1701	
60 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	143.4	0.056	0.003	1160.2186	
60 minute summer	Pond Outlet	1.018	S13	1.3	0.333	0.018	0.4051	
60 minute summer	S13	Pump	Final Outfall	0.0				0.0
60 minute summer	PP-S26	1.000_1	S26	-24.3	-1.208	-0.633	0.3977	
60 minute summer	PP-S25	2.000_1	S25	-33.9	-1.448	-0.590	0.1989	
60 minute summer	PP-S16	3.000_1	S16	-35.9	-1.388	-0.532	0.1989	
60 minute summer	PP-S145	4.000_2	S145	-47.7	-1.634	-0.565	0.1989	
60 minute summer	PP-S4	1.000_2	S4	-52.8	-2.201	-0.927	0.1982	
60 minute summer	PP-S1	4.000_1	S1	-39.1	-1.340	-0.590	0.1986	

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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	54	0.718	0.218	46.8	33.4816	0.0000	OK
60 minute summer	PP-S12	56	0.716	0.216	47.6	21.9016	0.0000	OK
60 minute summer	PP-S14	74	0.683	0.183	52.6	92.6448	0.0000	OK
60 minute summer	PP-S2	56	0.716	0.216	51.7	22.9735	0.0000	OK
60 minute summer	PP-S15	57	0.715	0.215	31.3	11.9426	0.0000	OK
60 minute summer	PP-S75	47	0.724	0.224	50.1	13.7088	0.0000	OK
60 minute summer	PP-S24	42	0.769	0.269	91.9	37.0377	0.0000	SURCHARGED
60 minute summer	PP-S30	38	0.808	0.308	77.7	17.7473	0.0000	SURCHARGED
60 minute summer	PP-S33	39	0.766	0.266	64.7	15.5870	0.0000	SURCHARGED
60 minute summer	PP-S34	44	0.692	0.192	51.6	23.5764	0.0000	OK
60 minute summer	PP-S35	43	0.618	0.118	12.6	3.0791	0.0000	OK
60 minute summer	PP-S36	41	0.580	0.080	18.8	6.0661	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	-30.9	1.209	-0.418	0.1979	
60 minute summer	PP-S12	8.000_1	S12	-41.3	-1.366	-0.453	0.1975	
60 minute summer	PP-S14	11.000_1	S14	-52.3	-1.704	-0.631	0.1858	
60 minute summer	PP-S2	10.000_1	S2	-42.5	-1.358	-0.466	0.1975	
60 minute summer	PP-S15	12.000_1	S15	24.9	1.164	0.265	0.1973	
60 minute summer	PP-S75	13.000_1	S75	-43.4	-1.426	-0.440	0.1987	
60 minute summer	PP-S24	14.000_1	S92	-74.6	-2.179	-0.727	0.1989	
60 minute summer	PP-S30	18.000_1	S30	-71.4	-1.991	-0.642	0.1989	
60 minute summer	PP-S33	20.000_1	S33	-57.3	-1.679	-0.502	0.1989	
60 minute summer	PP-S34	21.000_1	S34	-36.4	1.601	-0.308	0.1898	
60 minute summer	PP-S35	22.000_2	S35	-10.3	0.979	-0.083	0.1522	
60 minute summer	PP-S36	23.000_2	S36	24.8	1.535	0.209	0.1308	

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Results for 100 year +20% CC 60 minute winter. 1500 minute analysis at 1 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	S26	51	0.794	1.032	30.4	1.8237	0.0000	SURCHARGED
60 minute winter	S25	52	0.793	1.037	29.4	2.6395	0.0000	SURCHARGED
60 minute winter	S16	52	0.793	1.060	113.2	4.6979	0.0000	SURCHARGED
60 minute winter	S145	53	0.783	1.098	82.1	4.7299	0.0000	SURCHARGED
60 minute winter	S4	57	0.761	1.004	21.8	1.7743	0.0000	SURCHARGED
60 minute winter	S5	58	0.761	1.045	64.2	1.8463	0.0000	SURCHARGED
60 minute winter	S9	58	0.760	1.056	34.4	2.4330	0.0000	SURCHARGED
60 minute winter	S10	58	0.760	1.081	41.6	1.9103	0.0000	SURCHARGED
60 minute winter	S11	58	0.760	1.086	103.0	1.9192	0.0000	SURCHARGED
60 minute winter	S12	58	0.760	1.095	113.1	1.9346	0.0000	SURCHARGED
60 minute winter	S1	61	0.765	1.029	49.0	2.4231	0.0000	SURCHARGED
60 minute winter	S3	59	0.761	1.068	53.5	3.4167	0.0000	SURCHARGED
60 minute winter	S2	58	0.760	1.096	37.0	1.9364	0.0000	SURCHARGED
60 minute winter	S14	60	0.743	1.052	58.6	1.8582	0.0000	SURCHARGED
60 minute winter	S15	58	0.759	1.105	158.2	4.9744	0.0000	SURCHARGED
60 minute winter	S75	49	0.768	1.130	153.0	2.8753	0.0000	SURCHARGED
60 minute winter	S87	36	0.910	1.196	30.9	3.8808	0.0000	SURCHARGED
60 minute winter	S88	36	0.906	1.214	63.7	3.9601	0.0000	SURCHARGED
60 minute winter	S89	36	0.891	1.221	94.3	3.9576	0.0000	SURCHARGED
60 minute winter	S90	38	0.859	1.211	122.8	3.8586	0.0000	SURCHARGED
60 minute winter	S92	43	0.813	1.192	196.3	3.0346	0.0000	SURCHARGED
60 minute winter	S81	36	0.931	1.233	30.9	3.9802	0.0000	SURCHARGED
60 minute winter	S82	36	0.927	1.251	63.1	4.0632	0.0000	SURCHARGED
60 minute winter	S83	37	0.913	1.258	94.1	4.0600	0.0000	SURCHARGED
60 minute winter	S84	38	0.882	1.249	121.4	3.9632	0.0000	SURCHARGED
60 minute winter	S86	39	0.833	1.226	129.1	3.1214	0.0000	SURCHARGED
60 minute winter	S76	37	0.924	1.241	30.9	3.9913	0.0000	SURCHARGED
60 minute winter	S77	37	0.922	1.261	60.2	4.0752	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	-27.1	-0.172	-0.383	9.2005	
60 minute winter	S25	2.000	S16	-29.0	-0.183	-0.411	7.3393	
60 minute winter	S16	1.001	S145	-75.9	-0.479	-1.064	15.0038	
60 minute winter	S145	1.002	S75	43.3	0.314	0.614	15.0038	
60 minute winter	S4	3.000	S5	-21.8	-0.138	-0.309	13.1095	
60 minute winter	S5	3.001	S11	-55.7	-0.352	-0.780	13.1095	
60 minute winter	S9	4.000	S10	-23.3	0.239	-0.333	8.0648	
60 minute winter	S10	4.001	S11	-41.6	0.384	-0.547	1.3780	
60 minute winter	S11	3.002	S12	-103.0	-0.650	-1.460	2.8740	
60 minute winter	S12	3.003	S15	-110.1	-0.695	-1.599	3.6838	
60 minute winter	S1	5.000	S3	-33.1	-0.209	-0.465	13.5151	
60 minute winter	S3	5.001	S2	37.0	0.297	0.522	9.1848	
60 minute winter	S2	5.002	S15	36.7	0.242	0.538	3.4165	
60 minute winter	S14	6.000	S15	-58.6	-0.370	-0.833	11.8707	
60 minute winter	S15	3.004	S75	-117.2	-0.740	-1.637	4.9661	
60 minute winter	S75	1.003	S92	-149.3	-0.942	-2.098	5.3380	
60 minute winter	S87	7.000	S88	32.0	0.218	0.448	6.8747	
60 minute winter	S88	7.001	S89	62.6	0.395	0.878	6.8747	
60 minute winter	S89	7.002	S90	91.9	0.580	1.288	6.8747	
60 minute winter	S90	7.003	S92	121.2	0.765	1.720	8.6413	
60 minute winter	S92	1.005	S86	129.1	0.815	1.817	4.4095	
60 minute winter	S81	8.000	S82	31.4	0.217	0.439	6.8747	
60 minute winter	S82	8.001	S83	62.4	0.394	0.896	6.8747	
60 minute winter	S83	8.002	S84	90.5	0.572	1.269	6.8747	
60 minute winter	S84	8.003	S86	119.5	0.755	1.683	8.1975	
60 minute winter	S86	1.006	S30	127.0	0.801	1.788	4.4165	
60 minute winter	S76	9.000	S77	28.6	0.218	0.401	6.8747	
60 minute winter	S77	9.001	S78	60.3	0.381	0.845	6.8747	

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Results for 100 year +20% CC 60 minute winter. 1500 minute analysis at 1 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	S78	37	0.909	1.270	92.0	4.0824	0.0000	SURCHARGED
60 minute winter	S79	38	0.881	1.263	120.6	3.9884	0.0000	SURCHARGED
60 minute winter	S30	39	0.835	1.242	172.8	3.1597	0.0000	SURCHARGED
60 minute winter	S31	39	0.809	1.145	33.4	3.7934	0.0000	SURCHARGED
60 minute winter	S32	39	0.806	1.185	62.8	3.6604	0.0000	SURCHARGED
60 minute winter	S33	40	0.794	1.217	173.8	3.0961	0.0000	SURCHARGED
60 minute winter	S34	45	0.725	1.164	149.8	2.0571	0.0000	SURCHARGED
60 minute winter	S35	45	0.632	1.098	139.0	1.9394	0.0000	SURCHARGED
60 minute winter	S36	48	0.606	1.048	23.5	1.8521	0.0000	SURCHARGED
60 minute winter	S37	48	0.599	1.070	167.5	5.2586	0.0000	SURCHARGED
60 minute winter	S38	48	0.342	0.858	163.9	1.5156	0.0000	SURCHARGED
60 minute winter	S39	48	0.084	0.646	162.9	1.1408	0.0000	SURCHARGED
60 minute winter	S56	48	0.038	0.597	4.8	1.0546	0.0000	SURCHARGED
60 minute winter	S57	48	0.038	0.603	162.2	1.5342	0.0000	SURCHARGED
60 minute winter	S125	49	-0.061	0.494	14.0	0.8736	0.0000	SURCHARGED
60 minute winter	S127	49	-0.061	0.518	162.1	1.3193	0.0000	SURCHARGED
60 minute winter	S119	49	-0.155	0.414	12.9	0.7314	0.0000	OK
60 minute winter	S60	49	-0.155	0.438	162.1	1.1142	0.0000	OK
60 minute winter	Pond Inlet 1	49	-0.283	0.327	162.0	0.5778	0.0000	OK
60 minute winter	Pond Outlet	1488	-0.362	0.248	147.4	0.2810	0.0000	OK
60 minute winter	S13	1254	-0.361	0.277	1.2	0.9578	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	52	0.796	0.296	33.0	29.3331	0.0000	SURCHARGED
60 minute winter	PP-S25	52	0.794	0.294	35.6	25.3045	0.0000	SURCHARGED
60 minute winter	PP-S16	52	0.794	0.294	44.2	42.3576	0.0000	SURCHARGED
60 minute winter	PP-S145	54	0.784	0.284	53.4	42.5864	0.0000	SURCHARGED
60 minute winter	PP-S4	57	0.762	0.262	53.7	34.2819	0.0000	SURCHARGED
60 minute winter	PP-S1	62	0.766	0.266	71.2	90.8969	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	89.7	0.566	1.288	6.8745	
60 minute winter	S79	9.003	S30	118.6	0.749	1.649	7.6907	
60 minute winter	S30	1.007	S33	126.8	0.800	1.781	5.0209	
60 minute winter	S31	10.000	S32	33.5	0.244	0.474	13.6740	
60 minute winter	S32	10.001	S33	63.5	0.401	0.887	13.6740	
60 minute winter	S33	1.008	S34	149.8	0.945	2.123	5.1108	
60 minute winter	S34	1.009	S35	138.3	0.873	1.948	8.5103	
60 minute winter	S35	1.010	S37	139.5	0.880	2.099	1.7947	
60 minute winter	S36	11.000	S37	23.7	0.149	0.333	9.1184	
60 minute winter	S37	1.011	S38	163.9	1.035	2.320	14.3287	
60 minute winter	S38	1.012	S39	162.9	1.028	2.280	14.3287	
60 minute winter	S39	1.013	S57	162.2	1.024	2.560	1.1814	
60 minute winter	S56	12.011	S57	-4.8	-0.278	-0.070	2.0645	
60 minute winter	S57	1.014	S127	162.1	1.023	2.292	4.4483	
60 minute winter	S125	21.003	S127	-14.0	-0.301	-0.201	7.8151	
60 minute winter	S127	1.015	S60	162.0	1.023	2.275	4.3710	
60 minute winter	S119	22.003	S60	-12.9	-0.270	-0.184	7.6411	
60 minute winter	S60	1.016	Pond Inlet 1	162.0	1.129	2.140	4.1878	
60 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	147.4	0.056	0.003	1295.9080	
60 minute winter	Pond Outlet	1.018	S13	1.2	0.333	0.017	0.4421	
60 minute winter	S13	Pump	Final Outfall	0.0				0.0
60 minute winter	PP-S26	1.000_1	S26	-24.5	-0.718	-0.638	0.3977	
60 minute winter	PP-S25	2.000_1	S25	-29.7	-1.536	-0.516	0.1989	
60 minute winter	PP-S16	3.000_1	S16	-31.5	-1.181	-0.467	0.1989	
60 minute winter	PP-S145	4.000_2	S145	-41.2	-1.456	-0.488	0.1989	
60 minute winter	PP-S4	1.000_2	S4	-44.1	-2.040	-0.773	0.1989	
60 minute winter	PP-S1	4.000_1	S1	-41.1	-1.350	-0.620	0.1989	

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Results for 100 year +20% CC 60 minute winter. 1500 minute analysis at 1 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	PP-S5	59	0.761	0.261	37.4	42.1018	0.0000	SURCHARGED
60 minute winter	PP-S12	58	0.760	0.260	38.1	26.7673	0.0000	SURCHARGED
60 minute winter	PP-S14	76	0.720	0.220	58.8	116.2387	0.0000	OK
60 minute winter	PP-S2	58	0.760	0.260	43.6	27.9303	0.0000	SURCHARGED
60 minute winter	PP-S15	59	0.759	0.259	28.0	14.5880	0.0000	SURCHARGED
60 minute winter	PP-S75	49	0.768	0.268	46.4	16.6221	0.0000	SURCHARGED
60 minute winter	PP-S24	43	0.820	0.320	81.5	45.1213	0.0000	SURCHARGED
60 minute winter	PP-S30	39	0.836	0.336	64.5	19.4601	0.0000	SURCHARGED
60 minute winter	PP-S33	40	0.796	0.296	53.9	17.4452	0.0000	SURCHARGED
60 minute winter	PP-S34	45	0.728	0.228	45.0	28.7178	0.0000	SURCHARGED
60 minute winter	PP-S35	45	0.632	0.132	11.2	3.4572	0.0000	OK
60 minute winter	PP-S36	44	0.597	0.097	17.6	8.1770	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	22.6	1.204	0.305	0.1989	
60 minute winter	PP-S12	8.000_1	S12	-32.6	-1.241	-0.358	0.1989	
60 minute winter	PP-S14	11.000_1	S14	-58.5	-1.775	-0.707	0.1982	
60 minute winter	PP-S2	10.000_1	S2	-35.5	-1.284	-0.388	0.1989	
60 minute winter	PP-S15	12.000_1	S15	22.2	1.153	0.236	0.1989	
60 minute winter	PP-S75	13.000_1	S75	-40.3	-1.383	-0.408	0.1989	
60 minute winter	PP-S24	14.000_1	S92	-64.9	-1.889	-0.633	0.1989	
60 minute winter	PP-S30	18.000_1	S30	-58.5	-1.762	-0.526	0.1989	
60 minute winter	PP-S33	20.000_1	S33	-46.9	-1.395	-0.410	0.1989	
60 minute winter	PP-S34	21.000_1	S34	-29.8	1.603	-0.252	0.1989	
60 minute winter	PP-S35	22.000_2	S35	-9.0	0.984	-0.073	0.1599	
60 minute winter	PP-S36	23.000_2	S36	23.5	1.571	0.198	0.1403	

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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	82	0.746	0.984	18.7	1.7381	0.0000	SURCHARGED
120 minute summer	S25	82	0.745	0.989	19.7	2.5171	0.0000	SURCHARGED
120 minute summer	S16	82	0.744	1.011	59.9	4.4848	0.0000	SURCHARGED
120 minute summer	S145	84	0.737	1.052	61.6	4.5318	0.0000	SURCHARGED
120 minute summer	S4	86	0.724	0.967	16.1	1.7085	0.0000	SURCHARGED
120 minute summer	S5	88	0.723	1.007	31.9	1.7792	0.0000	SURCHARGED
120 minute summer	S9	88	0.721	1.017	24.4	2.3427	0.0000	SURCHARGED
120 minute summer	S10	88	0.721	1.042	34.1	1.8411	0.0000	SURCHARGED
120 minute summer	S11	88	0.721	1.047	49.3	1.8499	0.0000	SURCHARGED
120 minute summer	S12	88	0.720	1.055	64.2	1.8647	0.0000	SURCHARGED
120 minute summer	S1	90	0.726	0.990	32.0	2.3321	0.0000	SURCHARGED
120 minute summer	S3	90	0.723	1.030	33.4	3.2931	0.0000	SURCHARGED
120 minute summer	S2	90	0.720	1.056	36.2	1.8663	0.0000	SURCHARGED
120 minute summer	S14	92	0.709	1.018	50.5	1.7996	0.0000	SURCHARGED
120 minute summer	S15	88	0.719	1.065	110.9	4.7950	0.0000	SURCHARGED
120 minute summer	S75	80	0.723	1.085	117.9	2.7608	0.0000	SURCHARGED
120 minute summer	S87	66	0.802	1.088	24.5	3.5289	0.0000	SURCHARGED
120 minute summer	S88	66	0.801	1.109	50.7	3.6172	0.0000	SURCHARGED
120 minute summer	S89	66	0.791	1.121	73.7	3.6337	0.0000	SURCHARGED
120 minute summer	S90	66	0.768	1.120	98.0	3.5661	0.0000	SURCHARGED
120 minute summer	S92	72	0.745	1.124	152.4	2.8608	0.0000	SURCHARGED
120 minute summer	S81	66	0.812	1.114	24.5	3.5982	0.0000	SURCHARGED
120 minute summer	S82	66	0.811	1.135	47.5	3.6849	0.0000	SURCHARGED
120 minute summer	S83	66	0.802	1.147	71.8	3.7021	0.0000	SURCHARGED
120 minute summer	S84	68	0.779	1.146	96.3	3.6363	0.0000	SURCHARGED
120 minute summer	S86	70	0.749	1.142	123.8	2.9056	0.0000	SURCHARGED
120 minute summer	S76	66	0.807	1.124	24.5	3.6130	0.0000	SURCHARGED
120 minute summer	S77	66	0.804	1.143	48.1	3.6965	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	-18.7	-0.118	-0.265	9.2005	
120 minute summer	S25	2.000	S16	-19.0	-0.120	-0.269	7.3393	
120 minute summer	S16	1.001	S145	-32.4	-0.205	-0.454	15.0038	
120 minute summer	S145	1.002	S75	40.2	0.274	0.569	15.0038	
120 minute summer	S4	3.000	S5	-15.7	0.112	-0.223	13.1095	
120 minute summer	S5	3.001	S11	-31.9	-0.201	-0.447	13.1095	
120 minute summer	S9	4.000	S10	-16.2	0.181	-0.231	8.0648	
120 minute summer	S10	4.001	S11	-34.1	0.218	-0.448	1.3780	
120 minute summer	S11	3.002	S12	-47.1	-0.297	-0.667	2.8740	
120 minute summer	S12	3.003	S15	-61.5	-0.388	-0.893	3.6838	
120 minute summer	S1	5.000	S3	-23.2	-0.146	-0.326	13.5151	
120 minute summer	S3	5.001	S2	32.8	0.226	0.462	9.1848	
120 minute summer	S2	5.002	S15	37.4	0.236	0.549	3.4165	
120 minute summer	S14	6.000	S15	-50.5	-0.319	-0.718	11.8707	
120 minute summer	S15	3.004	S75	85.6	0.540	1.196	4.9661	
120 minute summer	S75	1.003	S92	117.6	0.742	1.652	5.3380	
120 minute summer	S87	7.000	S88	25.6	0.180	0.359	6.8747	
120 minute summer	S88	7.001	S89	48.6	0.307	0.682	6.8747	
120 minute summer	S89	7.002	S90	73.5	0.464	1.031	6.8747	
120 minute summer	S90	7.003	S92	96.2	0.607	1.366	8.6413	
120 minute summer	S92	1.005	S86	123.5	0.780	1.738	4.4095	
120 minute summer	S81	8.000	S82	22.4	0.179	0.314	6.8747	
120 minute summer	S82	8.001	S83	46.7	0.295	0.671	6.8747	
120 minute summer	S83	8.002	S84	71.8	0.453	1.006	6.8747	
120 minute summer	S84	8.003	S86	96.3	0.608	1.356	8.1975	
120 minute summer	S86	1.006	S30	124.2	0.784	1.749	4.4165	
120 minute summer	S76	9.000	S77	23.0	0.180	0.323	6.8747	
120 minute summer	S77	9.001	S78	47.5	0.300	0.666	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	68	0.795	1.156	72.6	3.7144	0.0000	SURCHARGED
120 minute summer	S79	68	0.778	1.160	95.8	3.6659	0.0000	SURCHARGED
120 minute summer	S30	70	0.747	1.154	152.8	2.9382	0.0000	SURCHARGED
120 minute summer	S31	70	0.725	1.061	26.4	3.5149	0.0000	SURCHARGED
120 minute summer	S32	70	0.723	1.102	49.2	3.4030	0.0000	SURCHARGED
120 minute summer	S33	70	0.716	1.139	149.7	2.8982	0.0000	SURCHARGED
120 minute summer	S34	74	0.660	1.099	133.7	1.9419	0.0000	SURCHARGED
120 minute summer	S35	72	0.569	1.035	134.7	1.8283	0.0000	SURCHARGED
120 minute summer	S36	70	0.541	0.983	8.7	1.7377	0.0000	SURCHARGED
120 minute summer	S37	70	0.541	1.012	159.3	4.9744	0.0000	SURCHARGED
120 minute summer	S38	70	0.299	0.815	157.2	1.4403	0.0000	SURCHARGED
120 minute summer	S39	72	0.058	0.620	156.9	1.0957	0.0000	SURCHARGED
120 minute summer	S56	72	0.015	0.574	2.0	1.0150	0.0000	SURCHARGED
120 minute summer	S57	72	0.015	0.580	156.9	1.4771	0.0000	SURCHARGED
120 minute summer	S125	72	-0.077	0.478	7.4	0.8454	0.0000	SURCHARGED
120 minute summer	S127	72	-0.077	0.502	156.8	1.2787	0.0000	SURCHARGED
120 minute summer	S119	72	-0.166	0.403	6.7	0.7126	0.0000	OK
120 minute summer	S60	72	-0.166	0.427	156.8	1.0873	0.0000	OK
120 minute summer	Pond Inlet 1	72	-0.290	0.320	156.8	0.5649	0.0000	OK
120 minute summer	Pond Outlet	1016	-0.345	0.265	131.8	0.2997	0.0000	OK
120 minute summer	S13	1326	-0.345	0.293	0.7	1.0153	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	0.747	0.247	24.9	23.9390	0.0000	SURCHARGED
120 minute summer	PP-S25	82	0.745	0.245	23.6	20.7318	0.0000	SURCHARGED
120 minute summer	PP-S16	82	0.745	0.245	33.6	34.0372	0.0000	SURCHARGED
120 minute summer	PP-S145	84	0.738	0.238	37.5	34.3325	0.0000	SURCHARGED
120 minute summer	PP-S4	88	0.724	0.224	24.6	28.4099	0.0000	OK
120 minute summer	PP-S1	92	0.727	0.227	54.6	77.1613	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	71.3	0.450	1.024	6.8745	
120 minute summer	S79	9.003	S30	95.0	0.600	1.321	7.6907	
120 minute summer	S30	1.007	S33	124.6	0.786	1.750	5.0209	
120 minute summer	S31	10.000	S32	26.1	0.190	0.369	13.6740	
120 minute summer	S32	10.001	S33	50.9	0.321	0.712	13.6740	
120 minute summer	S33	1.008	S34	130.8	0.826	1.855	5.1108	
120 minute summer	S34	1.009	S35	133.8	0.845	1.885	8.5103	
120 minute summer	S35	1.010	S37	135.0	0.852	2.031	1.7947	
120 minute summer	S36	11.000	S37	8.8	-0.073	0.124	9.1184	
120 minute summer	S37	1.011	S38	157.2	0.992	2.224	14.3287	
120 minute summer	S38	1.012	S39	156.9	0.990	2.196	14.3287	
120 minute summer	S39	1.013	S57	156.9	0.990	2.476	1.1814	
120 minute summer	S56	12.011	S57	-2.0	-0.164	-0.030	2.0645	
120 minute summer	S57	1.014	S127	156.8	0.990	2.217	4.4483	
120 minute summer	S125	21.003	S127	-7.4	-0.208	-0.106	7.8151	
120 minute summer	S127	1.015	S60	156.8	0.990	2.201	4.3464	
120 minute summer	S119	22.003	S60	-6.7	-0.189	-0.096	7.5292	
120 minute summer	S60	1.016	Pond Inlet 1	156.8	1.115	2.070	4.1170	
120 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	131.8	0.050	0.003	1386.9510	
120 minute summer	Pond Outlet	1.018	S13	0.7	0.279	0.010	0.4610	
120 minute summer	S13	Pump	Final Outfall	0.0				0.0
120 minute summer	PP-S26	1.000_1	S26	-18.4	0.617	-0.480	0.3977	
120 minute summer	PP-S25	2.000_1	S25	-18.0	0.716	-0.312	0.1989	
120 minute summer	PP-S16	3.000_1	S16	-23.6	0.950	-0.350	0.1989	
120 minute summer	PP-S145	4.000_2	S145	-25.8	1.176	-0.305	0.1989	
120 minute summer	PP-S4	1.000_2	S4	16.1	0.890	0.283	0.1987	
120 minute summer	PP-S1	4.000_1	S1	-31.6	1.246	-0.477	0.1988	

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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	88	0.724	0.224	29.5	34.5842	0.0000	OK
120 minute summer	PP-S12	88	0.720	0.220	25.1	22.3446	0.0000	OK
120 minute summer	PP-S14	110	0.698	0.198	50.7	102.5989	0.0000	OK
120 minute summer	PP-S2	90	0.720	0.220	27.8	23.4177	0.0000	OK
120 minute summer	PP-S15	90	0.719	0.219	21.3	12.1895	0.0000	OK
120 minute summer	PP-S75	80	0.723	0.223	26.4	13.6651	0.0000	OK
120 minute summer	PP-S24	74	0.749	0.249	64.7	33.9646	0.0000	SURCHARGED
120 minute summer	PP-S30	70	0.749	0.249	55.5	14.1887	0.0000	SURCHARGED
120 minute summer	PP-S33	70	0.717	0.217	32.0	12.5531	0.0000	OK
120 minute summer	PP-S34	74	0.661	0.161	30.2	19.1779	0.0000	OK
120 minute summer	PP-S35	70	0.569	0.069	4.8	1.7287	0.0000	OK
120 minute summer	PP-S36	72	0.541	0.041	9.1	1.7519	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	-16.0	1.105	-0.216	0.1987	
120 minute summer	PP-S12	8.000_1	S12	25.2	1.117	0.277	0.1983	
120 minute summer	PP-S14	11.000_1	S14	-50.4	-1.553	-0.609	0.1922	
120 minute summer	PP-S2	10.000_1	S2	-20.5	1.035	-0.224	0.1983	
120 minute summer	PP-S15	12.000_1	S15	-16.4	1.045	-0.174	0.1981	
120 minute summer	PP-S75	13.000_1	S75	-21.6	1.060	-0.219	0.1987	
120 minute summer	PP-S24	14.000_1	S92	-51.8	-1.680	-0.505	0.1989	
120 minute summer	PP-S30	18.000_1	S30	-51.0	-1.688	-0.458	0.1989	
120 minute summer	PP-S33	20.000_1	S33	-26.7	1.234	-0.234	0.1978	
120 minute summer	PP-S34	21.000_1	S34	26.3	1.498	0.222	0.1757	
120 minute summer	PP-S35	22.000_2	S35	4.2	0.900	0.034	0.1251	
120 minute summer	PP-S36	23.000_2	S36	8.7	1.489	0.073	0.1118	

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Results for 100 year +20% CC 120 minute winter. 1560 minute analysis at 2 minute timestep. Mass balance: 99.92%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute winter	S26	88	0.777	1.015	17.1	1.7929	0.0000	SURCHARGED
120 minute winter	S25	88	0.777	1.021	15.5	2.5979	0.0000	SURCHARGED
120 minute winter	S16	88	0.776	1.043	51.8	4.6269	0.0000	SURCHARGED
120 minute winter	S145	88	0.772	1.087	50.4	4.6819	0.0000	SURCHARGED
120 minute winter	S4	92	0.762	1.005	20.2	1.7760	0.0000	SURCHARGED
120 minute winter	S5	92	0.761	1.045	30.4	1.8458	0.0000	SURCHARGED
120 minute winter	S9	94	0.758	1.054	9.6	2.4295	0.0000	SURCHARGED
120 minute winter	S10	94	0.759	1.080	19.5	1.9075	0.0000	SURCHARGED
120 minute winter	S11	94	0.759	1.085	43.4	1.9164	0.0000	SURCHARGED
120 minute winter	S12	94	0.758	1.093	46.2	1.9313	0.0000	SURCHARGED
120 minute winter	S1	94	0.764	1.028	28.4	2.4200	0.0000	SURCHARGED
120 minute winter	S3	94	0.761	1.068	25.2	3.4139	0.0000	SURCHARGED
120 minute winter	S2	94	0.758	1.094	28.5	1.9334	0.0000	SURCHARGED
120 minute winter	S14	98	0.745	1.054	53.3	1.8623	0.0000	SURCHARGED
120 minute winter	S15	94	0.757	1.103	97.5	4.9648	0.0000	SURCHARGED
120 minute winter	S75	86	0.759	1.121	118.6	2.8519	0.0000	SURCHARGED
120 minute winter	S87	74	0.789	1.075	18.9	3.4884	0.0000	SURCHARGED
120 minute winter	S88	74	0.788	1.096	38.0	3.5756	0.0000	SURCHARGED
120 minute winter	S89	74	0.784	1.114	56.7	3.6120	0.0000	SURCHARGED
120 minute winter	S90	76	0.776	1.128	75.2	3.5933	0.0000	SURCHARGED
120 minute winter	S92	80	0.762	1.141	130.0	2.9033	0.0000	SURCHARGED
120 minute winter	S81	74	0.790	1.092	18.9	3.5259	0.0000	SURCHARGED
120 minute winter	S82	74	0.789	1.113	38.0	3.6142	0.0000	SURCHARGED
120 minute winter	S83	74	0.785	1.130	56.9	3.6480	0.0000	SURCHARGED
120 minute winter	S84	76	0.776	1.143	75.0	3.6262	0.0000	SURCHARGED
120 minute winter	S86	78	0.761	1.154	127.8	2.9369	0.0000	SURCHARGED
120 minute winter	S76	74	0.785	1.102	18.9	3.5415	0.0000	SURCHARGED
120 minute winter	S77	74	0.784	1.123	37.9	3.6298	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	-16.4	-0.104	-0.232	9.2005	
120 minute winter	S25	2.000	S16	19.9	0.126	0.282	7.3393	
120 minute winter	S16	1.001	S145	-28.5	-0.180	-0.399	15.0038	
120 minute winter	S145	1.002	S75	37.6	0.282	0.533	15.0038	
120 minute winter	S4	3.000	S5	-15.2	0.115	-0.215	13.1095	
120 minute winter	S5	3.001	S11	32.2	0.203	0.451	13.1095	
120 minute winter	S9	4.000	S10	19.5	0.194	0.278	8.0648	
120 minute winter	S10	4.001	S11	17.3	0.206	0.228	1.3780	
120 minute winter	S11	3.002	S12	-43.4	-0.274	-0.616	2.8740	
120 minute winter	S12	3.003	S15	-44.0	-0.278	-0.639	3.6838	
120 minute winter	S1	5.000	S3	-23.2	-0.147	-0.327	13.5151	
120 minute winter	S3	5.001	S2	19.9	0.246	0.281	9.1848	
120 minute winter	S2	5.002	S15	32.6	0.206	0.478	3.4165	
120 minute winter	S14	6.000	S15	-53.3	-0.336	-0.757	11.8707	
120 minute winter	S15	3.004	S75	89.0	0.562	1.244	4.9661	
120 minute winter	S75	1.003	S92	118.8	0.750	1.669	5.3380	
120 minute winter	S87	7.000	S88	18.6	0.179	0.261	6.8747	
120 minute winter	S88	7.001	S89	37.4	0.236	0.524	6.8747	
120 minute winter	S89	7.002	S90	56.4	0.356	0.790	6.8747	
120 minute winter	S90	7.003	S92	77.6	0.490	1.101	8.6413	
120 minute winter	S92	1.005	S86	127.8	0.807	1.799	4.4095	
120 minute winter	S81	8.000	S82	18.6	0.178	0.261	6.8747	
120 minute winter	S82	8.001	S83	37.5	0.236	0.538	6.8747	
120 minute winter	S83	8.002	S84	56.1	0.354	0.786	6.8747	
120 minute winter	S84	8.003	S86	74.1	0.468	1.044	8.1975	
120 minute winter	S86	1.006	S30	125.9	0.795	1.774	4.4165	
120 minute winter	S76	9.000	S77	19.0	0.179	0.267	6.8747	
120 minute winter	S77	9.001	S78	37.0	0.234	0.519	6.8747	

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Results for 100 year +20% CC 120 minute winter. 1560 minute analysis at 2 minute timestep. Mass balance: 99.92%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute winter	S78	74	0.780	1.141	56.3	3.6665	0.0000	SURCHARGED
120 minute winter	S79	76	0.771	1.153	74.8	3.6422	0.0000	SURCHARGED
120 minute winter	S30	78	0.756	1.163	144.5	2.9591	0.0000	SURCHARGED
120 minute winter	S31	76	0.729	1.065	20.4	3.5271	0.0000	SURCHARGED
120 minute winter	S32	76	0.728	1.107	38.1	3.4172	0.0000	SURCHARGED
120 minute winter	S33	78	0.723	1.146	134.8	2.9171	0.0000	SURCHARGED
120 minute winter	S34	80	0.666	1.105	139.1	1.9521	0.0000	SURCHARGED
120 minute winter	S35	78	0.569	1.035	139.4	1.8295	0.0000	SURCHARGED
120 minute winter	S36	78	0.536	0.978	7.7	1.7285	0.0000	SURCHARGED
120 minute winter	S37	78	0.536	1.007	157.7	4.9501	0.0000	SURCHARGED
120 minute winter	S38	78	0.296	0.812	156.3	1.4354	0.0000	SURCHARGED
120 minute winter	S39	78	0.057	0.619	156.3	1.0932	0.0000	SURCHARGED
120 minute winter	S56	78	0.014	0.573	1.8	1.0128	0.0000	SURCHARGED
120 minute winter	S57	78	0.014	0.579	156.3	1.4740	0.0000	SURCHARGED
120 minute winter	S125	78	-0.077	0.478	5.5	0.8440	0.0000	SURCHARGED
120 minute winter	S127	78	-0.077	0.502	156.3	1.2767	0.0000	SURCHARGED
120 minute winter	S119	80	-0.166	0.403	5.3	0.7120	0.0000	OK
120 minute winter	S60	80	-0.166	0.427	156.3	1.0866	0.0000	OK
120 minute winter	Pond Inlet 1	82	-0.289	0.321	156.3	0.5671	0.0000	OK
120 minute winter	Pond Outlet	1292	-0.316	0.294	131.0	0.3322	0.0000	OK
120 minute winter	S13	734	-0.316	0.322	1.1	1.1147	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	0.777	0.277	21.8	27.3089	0.0000	SURCHARGED
120 minute winter	PP-S25	88	0.777	0.277	19.9	23.7354	0.0000	SURCHARGED
120 minute winter	PP-S16	88	0.777	0.277	30.6	39.4596	0.0000	SURCHARGED
120 minute winter	PP-S145	88	0.773	0.273	31.6	40.5992	0.0000	SURCHARGED
120 minute winter	PP-S4	92	0.763	0.263	22.7	34.4629	0.0000	SURCHARGED
120 minute winter	PP-S1	96	0.765	0.265	46.9	90.4681	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	55.9	0.353	0.802	6.8745	
120 minute winter	S79	9.003	S30	74.3	0.469	1.033	7.6907	
120 minute winter	S30	1.007	S33	127.1	0.802	1.786	5.0209	
120 minute winter	S31	10.000	S32	20.6	0.201	0.291	13.6740	
120 minute winter	S32	10.001	S33	36.9	0.273	0.516	13.6740	
120 minute winter	S33	1.008	S34	131.7	0.831	1.867	5.1108	
120 minute winter	S34	1.009	S35	138.9	0.877	1.956	8.5103	
120 minute winter	S35	1.010	S37	138.6	0.875	2.087	1.7947	
120 minute winter	S36	11.000	S37	7.6	-0.090	0.106	9.1184	
120 minute winter	S37	1.011	S38	156.3	0.987	2.213	14.3287	
120 minute winter	S38	1.012	S39	156.3	0.987	2.188	14.3287	
120 minute winter	S39	1.013	S57	156.3	0.987	2.467	1.1814	
120 minute winter	S56	12.011	S57	-1.8	-0.243	-0.026	2.0645	
120 minute winter	S57	1.014	S127	156.3	0.987	2.210	4.4483	
120 minute winter	S125	21.003	S127	-5.5	-0.232	-0.079	7.8151	
120 minute winter	S127	1.015	S60	156.3	0.987	2.194	4.3457	
120 minute winter	S119	22.003	S60	-5.3	-0.210	-0.076	7.5257	
120 minute winter	S60	1.016	Pond Inlet 1	156.3	1.111	2.064	4.1232	
120 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	131.0	0.051	0.003	1546.0319	
120 minute winter	Pond Outlet	1.018	S13	1.1	0.287	0.015	0.4767	
120 minute winter	S13	Pump	Final Outfall	0.0				0.0
120 minute winter	PP-S26	1.000_1	S26	-16.1	0.656	-0.420	0.3977	
120 minute winter	PP-S25	2.000_1	S25	-15.1	0.720	-0.263	0.1989	
120 minute winter	PP-S16	3.000_1	S16	-21.9	0.959	-0.324	0.1989	
120 minute winter	PP-S145	4.000_2	S145	21.7	1.183	0.257	0.1989	
120 minute winter	PP-S4	1.000_2	S4	17.9	0.907	0.314	0.1989	
120 minute winter	PP-S1	4.000_1	S1	-28.2	1.246	-0.426	0.1989	

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Results for 100 year +20% CC 120 minute winter. 1560 minute analysis at 2 minute timestep. Mass balance: 99.92%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute winter	PP-S5	92	0.761	0.261	26.9	42.0727	0.0000	SURCHARGED
120 minute winter	PP-S12	94	0.758	0.258	21.8	26.5520	0.0000	SURCHARGED
120 minute winter	PP-S14	114	0.740	0.240	53.4	128.9510	0.0000	SURCHARGED
120 minute winter	PP-S2	96	0.758	0.258	23.2	27.7283	0.0000	SURCHARGED
120 minute winter	PP-S15	94	0.757	0.257	18.8	14.4532	0.0000	SURCHARGED
120 minute winter	PP-S75	86	0.759	0.259	23.3	15.9930	0.0000	SURCHARGED
120 minute winter	PP-S24	80	0.764	0.264	50.4	36.3024	0.0000	SURCHARGED
120 minute winter	PP-S30	78	0.756	0.256	44.9	14.6446	0.0000	SURCHARGED
120 minute winter	PP-S33	78	0.724	0.224	19.8	12.9563	0.0000	OK
120 minute winter	PP-S34	80	0.667	0.167	21.8	19.9442	0.0000	OK
120 minute winter	PP-S35	78	0.569	0.069	3.0	1.7447	0.0000	OK
120 minute winter	PP-S36	72	0.539	0.039	7.8	1.5503	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	17.0	1.113	0.229	0.1989	
120 minute winter	PP-S12	8.000_1	S12	29.2	0.988	0.321	0.1989	
120 minute winter	PP-S14	11.000_1	S14	-53.2	1.571	-0.642	0.1989	
120 minute winter	PP-S2	10.000_1	S2	-17.1	1.059	-0.187	0.1989	
120 minute winter	PP-S15	12.000_1	S15	26.2	1.045	0.278	0.1989	
120 minute winter	PP-S75	13.000_1	S75	-19.4	1.063	-0.197	0.1989	
120 minute winter	PP-S24	14.000_1	S92	-40.6	1.418	-0.396	0.1989	
120 minute winter	PP-S30	18.000_1	S30	-41.2	-1.469	-0.370	0.1989	
120 minute winter	PP-S33	20.000_1	S33	-15.2	1.233	-0.133	0.1987	
120 minute winter	PP-S34	21.000_1	S34	21.8	1.507	0.184	0.1784	
120 minute winter	PP-S35	22.000_2	S35	3.1	0.908	0.025	0.1254	
120 minute winter	PP-S36	23.000_2	S36	7.7	1.468	0.065	0.1107	

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Results for 100 year +20% CC 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	116	0.722	0.960	15.7	1.6956	0.0000	SURCHARGED
180 minute summer	S25	116	0.722	0.966	14.3	2.4573	0.0000	SURCHARGED
180 minute summer	S16	116	0.721	0.988	49.3	4.3825	0.0000	SURCHARGED
180 minute summer	S145	116	0.718	1.033	54.7	4.4483	0.0000	SURCHARGED
180 minute summer	S4	120	0.711	0.954	13.1	1.6859	0.0000	SURCHARGED
180 minute summer	S5	120	0.710	0.994	36.1	1.7558	0.0000	SURCHARGED
180 minute summer	S9	120	0.707	1.003	15.1	2.3114	0.0000	SURCHARGED
180 minute summer	S10	120	0.707	1.028	21.4	1.8173	0.0000	SURCHARGED
180 minute summer	S11	120	0.707	1.033	40.6	1.8261	0.0000	SURCHARGED
180 minute summer	S12	120	0.707	1.042	48.2	1.8409	0.0000	SURCHARGED
180 minute summer	S1	124	0.713	0.977	23.8	2.3003	0.0000	SURCHARGED
180 minute summer	S3	124	0.710	1.017	23.6	3.2514	0.0000	SURCHARGED
180 minute summer	S2	124	0.707	1.043	34.5	1.8438	0.0000	SURCHARGED
180 minute summer	S14	124	0.699	1.008	45.8	1.7803	0.0000	SURCHARGED
180 minute summer	S15	124	0.706	1.052	93.2	4.7354	0.0000	SURCHARGED
180 minute summer	S75	116	0.705	1.067	115.3	2.7164	0.0000	SURCHARGED
180 minute summer	S87	100	0.730	1.016	18.0	3.2949	0.0000	SURCHARGED
180 minute summer	S88	100	0.729	1.037	35.7	3.3807	0.0000	SURCHARGED
180 minute summer	S89	104	0.726	1.056	53.5	3.4219	0.0000	SURCHARGED
180 minute summer	S90	104	0.719	1.071	71.5	3.4112	0.0000	SURCHARGED
180 minute summer	S92	108	0.705	1.084	118.8	2.7586	0.0000	SURCHARGED
180 minute summer	S81	100	0.733	1.035	18.0	3.3418	0.0000	SURCHARGED
180 minute summer	S82	100	0.732	1.056	36.0	3.4288	0.0000	SURCHARGED
180 minute summer	S83	100	0.728	1.073	55.4	3.4622	0.0000	SURCHARGED
180 minute summer	S84	104	0.718	1.085	75.5	3.4409	0.0000	SURCHARGED
180 minute summer	S86	104	0.704	1.097	118.2	2.7912	0.0000	SURCHARGED
180 minute summer	S76	100	0.729	1.046	18.0	3.3638	0.0000	SURCHARGED
180 minute summer	S77	100	0.728	1.067	36.6	3.4506	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	-14.8	-0.094	-0.209	9.2005	
180 minute summer	S25	2.000	S16	-14.3	-0.091	-0.203	7.3393	
180 minute summer	S16	1.001	S145	27.4	0.173	0.384	15.0038	
180 minute summer	S145	1.002	S75	34.0	0.252	0.482	15.0038	
180 minute summer	S4	3.000	S5	17.2	0.110	0.244	13.1095	
180 minute summer	S5	3.001	S11	-25.9	-0.163	-0.362	13.1095	
180 minute summer	S9	4.000	S10	-9.6	0.157	-0.137	8.0648	
180 minute summer	S10	4.001	S11	-21.4	0.176	-0.281	1.3780	
180 minute summer	S11	3.002	S12	-40.6	-0.256	-0.575	2.8740	
180 minute summer	S12	3.003	S15	-45.9	-0.290	-0.667	3.6838	
180 minute summer	S1	5.000	S3	22.3	0.141	0.313	13.5151	
180 minute summer	S3	5.001	S2	29.3	0.203	0.413	9.1848	
180 minute summer	S2	5.002	S15	30.7	0.194	0.451	3.4165	
180 minute summer	S14	6.000	S15	-45.8	-0.289	-0.650	11.8707	
180 minute summer	S15	3.004	S75	83.6	0.528	1.168	4.9661	
180 minute summer	S75	1.003	S92	114.5	0.723	1.609	5.3380	
180 minute summer	S87	7.000	S88	17.3	0.154	0.242	6.8747	
180 minute summer	S88	7.001	S89	35.1	0.221	0.492	6.8747	
180 minute summer	S89	7.002	S90	53.5	0.338	0.751	6.8747	
180 minute summer	S90	7.003	S92	72.0	0.454	1.021	8.6413	
180 minute summer	S92	1.005	S86	118.1	0.745	1.662	4.4095	
180 minute summer	S81	8.000	S82	17.6	0.153	0.247	6.8747	
180 minute summer	S82	8.001	S83	37.1	0.234	0.532	6.8747	
180 minute summer	S83	8.002	S84	57.5	0.363	0.807	6.8747	
180 minute summer	S84	8.003	S86	76.5	0.483	1.078	8.1975	
180 minute summer	S86	1.006	S30	117.7	0.743	1.658	4.4165	
180 minute summer	S76	9.000	S77	18.2	0.154	0.255	6.8747	
180 minute summer	S77	9.001	S78	36.8	0.232	0.515	6.8747	

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Results for 100 year +20% CC 180 minute summer. 1620 minute analysis at 4 minute timestep. Mass balance: 99.92%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute summer	S78	100	0.724	1.085	55.1	3.4864	0.0000	SURCHARGED
180 minute summer	S79	100	0.713	1.095	73.5	3.4599	0.0000	SURCHARGED
180 minute summer	S30	104	0.699	1.106	122.3	2.8136	0.0000	SURCHARGED
180 minute summer	S31	104	0.672	1.008	19.4	3.3396	0.0000	SURCHARGED
180 minute summer	S32	104	0.671	1.050	35.7	3.2429	0.0000	SURCHARGED
180 minute summer	S33	104	0.667	1.090	131.9	2.7731	0.0000	SURCHARGED
180 minute summer	S34	108	0.614	1.053	130.8	1.8615	0.0000	SURCHARGED
180 minute summer	S35	104	0.521	0.987	131.8	1.7436	0.0000	SURCHARGED
180 minute summer	S36	104	0.490	0.932	7.0	1.6471	0.0000	SURCHARGED
180 minute summer	S37	104	0.490	0.961	152.5	4.7236	0.0000	SURCHARGED
180 minute summer	S38	104	0.263	0.779	152.2	1.3759	0.0000	SURCHARGED
180 minute summer	S39	104	0.035	0.597	152.2	1.0558	0.0000	SURCHARGED
180 minute summer	S56	104	-0.005	0.554	1.5	0.9793	0.0000	SURCHARGED
180 minute summer	S57	104	-0.005	0.560	152.2	1.4258	0.0000	SURCHARGED
180 minute summer	S125	108	-0.091	0.464	3.5	0.8203	0.0000	SURCHARGED
180 minute summer	S127	108	-0.091	0.488	152.1	1.2425	0.0000	SURCHARGED
180 minute summer	S119	108	-0.174	0.395	4.2	0.6978	0.0000	OK
180 minute summer	S60	108	-0.174	0.419	152.1	1.0660	0.0000	OK
180 minute summer	Pond Inlet 1	108	-0.294	0.316	152.0	0.5578	0.0000	OK
180 minute summer	Pond Outlet	1604	-0.321	0.289	92.7	0.3265	0.0000	OK
180 minute summer	S13	1452	-0.321	0.317	0.4	1.0972	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	116	0.722	0.222	19.7	21.1904	0.0000	OK
180 minute summer	PP-S25	116	0.722	0.222	18.5	18.4868	0.0000	OK
180 minute summer	PP-S16	116	0.722	0.222	26.5	29.9673	0.0000	OK
180 minute summer	PP-S145	116	0.719	0.219	28.0	30.8239	0.0000	OK
180 minute summer	PP-S4	120	0.712	0.212	20.3	26.4229	0.0000	OK
180 minute summer	PP-S1	124	0.714	0.214	39.4	72.5545	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	55.5	0.350	0.797	6.8745	
180 minute summer	S79	9.003	S30	73.4	0.463	1.021	7.6907	
180 minute summer	S30	1.007	S33	122.4	0.772	1.719	5.0209	
180 minute summer	S31	10.000	S32	18.7	0.172	0.265	13.6740	
180 minute summer	S32	10.001	S33	35.4	0.233	0.495	13.6740	
180 minute summer	S33	1.008	S34	127.2	0.803	1.803	5.1108	
180 minute summer	S34	1.009	S35	131.2	0.828	1.848	8.5103	
180 minute summer	S35	1.010	S37	131.7	0.831	1.982	1.7947	
180 minute summer	S36	11.000	S37	6.9	-0.047	0.097	9.1184	
180 minute summer	S37	1.011	S38	152.2	0.961	2.154	14.3287	
180 minute summer	S38	1.012	S39	152.2	0.961	2.130	14.3287	
180 minute summer	S39	1.013	S57	152.2	0.960	2.401	1.1814	
180 minute summer	S56	12.011	S57	-1.5	-0.093	-0.022	2.0645	
180 minute summer	S57	1.014	S127	152.1	0.960	2.151	4.4483	
180 minute summer	S125	21.003	S127	-3.5	-0.182	-0.050	7.8151	
180 minute summer	S127	1.015	S60	152.1	0.960	2.135	4.3216	
180 minute summer	S119	22.003	S60	-4.2	-0.174	-0.060	7.4264	
180 minute summer	S60	1.016	Pond Inlet 1	152.0	1.100	2.008	4.0661	
180 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	92.7	0.033	0.002	1518.1558	
180 minute summer	Pond Outlet	1.018	S13	0.4	0.224	0.005	0.4751	
180 minute summer	S13	Pump	Final Outfall	0.0				0.0
180 minute summer	PP-S26	1.000_1	S26	-14.5	0.612	-0.378	0.3970	
180 minute summer	PP-S25	2.000_1	S25	-14.0	0.731	-0.244	0.1985	
180 minute summer	PP-S16	3.000_1	S16	22.6	0.959	0.335	0.1985	
180 minute summer	PP-S145	4.000_2	S145	26.9	1.184	0.318	0.1980	
180 minute summer	PP-S4	1.000_2	S4	-12.9	0.888	-0.226	0.1964	
180 minute summer	PP-S1	4.000_1	S1	23.8	1.218	0.359	0.1971	

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Results for 100 year +20% CC 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	120	0.710	0.210	23.5	31.8868	0.0000	OK
180 minute summer	PP-S12	124	0.707	0.207	20.8	20.8468	0.0000	OK
180 minute summer	PP-S14	140	0.688	0.188	45.9	96.1472	0.0000	OK
180 minute summer	PP-S2	124	0.708	0.208	22.3	21.9991	0.0000	OK
180 minute summer	PP-S15	120	0.706	0.206	18.1	11.3989	0.0000	OK
180 minute summer	PP-S75	116	0.706	0.206	20.5	12.5225	0.0000	OK
180 minute summer	PP-S24	108	0.707	0.207	49.5	27.3028	0.0000	OK
180 minute summer	PP-S30	104	0.699	0.199	30.2	11.1968	0.0000	OK
180 minute summer	PP-S33	108	0.667	0.167	20.8	9.4032	0.0000	OK
180 minute summer	PP-S34	108	0.613	0.113	17.0	12.2144	0.0000	OK
180 minute summer	PP-S35	104	0.521	0.021	1.4	0.4187	0.0000	OK
180 minute summer	PP-S36	100	0.537	0.037	7.2	1.4255	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	18.8	1.048	0.254	0.1959	
180 minute summer	PP-S12	8.000_1	S12	19.5	0.963	0.214	0.1950	
180 minute summer	PP-S14	11.000_1	S14	-45.7	1.432	-0.551	0.1882	
180 minute summer	PP-S2	10.000_1	S2	-16.5	1.062	-0.181	0.1952	
180 minute summer	PP-S15	12.000_1	S15	18.5	1.049	0.196	0.1948	
180 minute summer	PP-S75	13.000_1	S75	-16.5	1.064	-0.167	0.1946	
180 minute summer	PP-S24	14.000_1	S92	-39.5	1.418	-0.385	0.1950	
180 minute summer	PP-S30	18.000_1	S30	-26.4	1.137	-0.237	0.1923	
180 minute summer	PP-S33	20.000_1	S33	-16.4	1.235	-0.144	0.1784	
180 minute summer	PP-S34	21.000_1	S34	18.8	1.508	0.159	0.1490	
180 minute summer	PP-S35	22.000_2	S35	1.8	0.909	0.015	0.1040	
180 minute summer	PP-S36	23.000_2	S36	7.0	1.428	0.059	0.1101	

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Results for 100 year +20% CC 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	0.742	0.980	14.1	1.7317	0.0000	SURCHARGED
180 minute winter	S25	128	0.742	0.986	13.9	2.5094	0.0000	SURCHARGED
180 minute winter	S16	128	0.742	1.009	43.2	4.4737	0.0000	SURCHARGED
180 minute winter	S145	128	0.740	1.055	34.9	4.5434	0.0000	SURCHARGED
180 minute winter	S4	132	0.735	0.978	10.7	1.7280	0.0000	SURCHARGED
180 minute winter	S5	128	0.735	1.019	35.5	1.8002	0.0000	SURCHARGED
180 minute winter	S9	128	0.734	1.030	6.9	2.3735	0.0000	SURCHARGED
180 minute winter	S10	128	0.734	1.055	7.7	1.8645	0.0000	SURCHARGED
180 minute winter	S11	128	0.734	1.060	29.5	1.8733	0.0000	SURCHARGED
180 minute winter	S12	128	0.734	1.069	38.0	1.8889	0.0000	SURCHARGED
180 minute winter	S1	128	0.738	1.002	24.8	2.3589	0.0000	SURCHARGED
180 minute winter	S3	128	0.736	1.043	20.0	3.3361	0.0000	SURCHARGED
180 minute winter	S2	128	0.735	1.071	36.0	1.8916	0.0000	SURCHARGED
180 minute winter	S14	136	0.725	1.034	43.7	1.8279	0.0000	SURCHARGED
180 minute winter	S15	128	0.734	1.080	103.8	4.8589	0.0000	SURCHARGED
180 minute winter	S75	128	0.733	1.095	118.2	2.7859	0.0000	SURCHARGED
180 minute winter	S87	124	0.734	1.020	13.8	3.3104	0.0000	SURCHARGED
180 minute winter	S88	124	0.734	1.042	27.7	3.3991	0.0000	SURCHARGED
180 minute winter	S89	124	0.734	1.064	41.6	3.4473	0.0000	SURCHARGED
180 minute winter	S90	124	0.732	1.084	55.1	3.4523	0.0000	SURCHARGED
180 minute winter	S92	128	0.728	1.107	123.9	2.8184	0.0000	SURCHARGED
180 minute winter	S81	116	0.730	1.032	13.8	3.3328	0.0000	SURCHARGED
180 minute winter	S82	116	0.730	1.054	27.7	3.4221	0.0000	SURCHARGED
180 minute winter	S83	116	0.728	1.073	41.6	3.4649	0.0000	SURCHARGED
180 minute winter	S84	116	0.725	1.092	55.2	3.4639	0.0000	SURCHARGED
180 minute winter	S86	124	0.719	1.112	123.4	2.8311	0.0000	SURCHARGED
180 minute winter	S76	112	0.717	1.034	13.8	3.3229	0.0000	SURCHARGED
180 minute winter	S77	112	0.716	1.055	27.8	3.4114	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	15.2	0.096	0.215	9.2005	
180 minute winter	S25	2.000	S16	17.5	0.110	0.247	7.3393	
180 minute winter	S16	1.001	S145	22.4	0.163	0.315	15.0038	
180 minute winter	S145	1.002	S75	35.5	0.261	0.503	15.0038	
180 minute winter	S4	3.000	S5	15.7	0.110	0.222	13.1095	
180 minute winter	S5	3.001	S11	23.6	0.149	0.330	13.1095	
180 minute winter	S9	4.000	S10	7.7	0.169	0.110	8.0648	
180 minute winter	S10	4.001	S11	9.0	0.170	0.118	1.3780	
180 minute winter	S11	3.002	S12	-29.5	-0.186	-0.418	2.8740	
180 minute winter	S12	3.003	S15	36.3	0.229	0.528	3.6838	
180 minute winter	S1	5.000	S3	20.0	0.126	0.281	13.5151	
180 minute winter	S3	5.001	S2	21.1	0.218	0.298	9.1848	
180 minute winter	S2	5.002	S15	37.1	0.234	0.544	3.4165	
180 minute winter	S14	6.000	S15	-43.7	-0.276	-0.621	11.8707	
180 minute winter	S15	3.004	S75	91.0	0.574	1.271	4.9661	
180 minute winter	S75	1.003	S92	118.6	0.749	1.667	5.3380	
180 minute winter	S87	7.000	S88	13.5	0.161	0.190	6.8747	
180 minute winter	S88	7.001	S89	27.4	0.199	0.384	6.8747	
180 minute winter	S89	7.002	S90	41.3	0.261	0.579	6.8747	
180 minute winter	S90	7.003	S92	54.8	0.346	0.777	8.6413	
180 minute winter	S92	1.005	S86	123.4	0.779	1.736	4.4095	
180 minute winter	S81	8.000	S82	13.5	0.160	0.189	6.8747	
180 minute winter	S82	8.001	S83	27.4	0.195	0.394	6.8747	
180 minute winter	S83	8.002	S84	41.4	0.261	0.580	6.8747	
180 minute winter	S84	8.003	S86	54.9	0.347	0.773	8.1975	
180 minute winter	S86	1.006	S30	122.1	0.771	1.720	4.4165	
180 minute winter	S76	9.000	S77	13.6	0.161	0.190	6.8747	
180 minute winter	S77	9.001	S78	27.6	0.196	0.386	6.8747	

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Results for 100 year +20% CC 180 minute winter. 1620 minute analysis at 4 minute timestep. Mass balance: 99.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute winter	S78	112	0.714	1.075	41.8	3.4557	0.0000	SURCHARGED
180 minute winter	S79	116	0.711	1.093	55.3	3.4516	0.0000	SURCHARGED
180 minute winter	S30	116	0.704	1.111	123.6	2.8264	0.0000	SURCHARGED
180 minute winter	S31	116	0.666	1.002	14.9	3.3195	0.0000	SURCHARGED
180 minute winter	S32	116	0.666	1.045	27.7	3.2261	0.0000	SURCHARGED
180 minute winter	S33	116	0.663	1.086	128.5	2.7645	0.0000	SURCHARGED
180 minute winter	S34	116	0.603	1.042	134.0	1.8417	0.0000	SURCHARGED
180 minute winter	S35	112	0.504	0.970	135.1	1.7146	0.0000	SURCHARGED
180 minute winter	S36	112	0.471	0.913	5.8	1.6132	0.0000	SURCHARGED
180 minute winter	S37	112	0.471	0.942	150.4	4.6306	0.0000	SURCHARGED
180 minute winter	S38	112	0.249	0.765	150.4	1.3521	0.0000	SURCHARGED
180 minute winter	S39	112	0.028	0.590	150.3	1.0418	0.0000	SURCHARGED
180 minute winter	S56	112	-0.012	0.547	1.2	0.9670	0.0000	SURCHARGED
180 minute winter	S57	112	-0.012	0.553	150.3	1.4080	0.0000	SURCHARGED
180 minute winter	S125	112	-0.096	0.459	4.5	0.8116	0.0000	SURCHARGED
180 minute winter	S127	112	-0.096	0.483	150.3	1.2300	0.0000	SURCHARGED
180 minute winter	S119	116	-0.176	0.393	3.4	0.6950	0.0000	OK
180 minute winter	S60	116	-0.176	0.417	150.3	1.0620	0.0000	OK
180 minute winter	Pond Inlet 1	224	-0.280	0.330	150.3	0.5834	0.0000	OK
180 minute winter	Pond Outlet	784	-0.291	0.319	95.0	0.3612	0.0000	SURCHARGED
180 minute winter	S13	1180	-0.291	0.347	0.4	1.2037	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	0.742	0.242	15.5	23.4435	0.0000	SURCHARGED
180 minute winter	PP-S25	128	0.742	0.242	14.6	20.4186	0.0000	SURCHARGED
180 minute winter	PP-S16	132	0.742	0.242	21.4	33.4893	0.0000	SURCHARGED
180 minute winter	PP-S145	128	0.740	0.240	21.1	34.7200	0.0000	SURCHARGED
180 minute winter	PP-S4	132	0.735	0.235	15.8	30.1476	0.0000	SURCHARGED
180 minute winter	PP-S1	128	0.739	0.239	35.2	81.1932	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	41.5	0.262	0.596	6.8745	
180 minute winter	S79	9.003	S30	55.1	0.348	0.766	7.6907	
180 minute winter	S30	1.007	S33	122.5	0.773	1.720	5.0209	
180 minute winter	S31	10.000	S32	14.6	0.180	0.206	13.6740	
180 minute winter	S32	10.001	S33	27.4	0.220	0.383	13.6740	
180 minute winter	S33	1.008	S34	128.6	0.812	1.823	5.1108	
180 minute winter	S34	1.009	S35	134.5	0.849	1.893	8.5103	
180 minute winter	S35	1.010	S37	135.2	0.853	2.034	1.7947	
180 minute winter	S36	11.000	S37	5.7	-0.075	0.081	9.1184	
180 minute winter	S37	1.011	S38	150.4	0.949	2.128	14.3287	
180 minute winter	S38	1.012	S39	150.3	0.949	2.104	14.3287	
180 minute winter	S39	1.013	S57	150.3	0.949	2.373	1.1814	
180 minute winter	S56	12.011	S57	-1.2	-0.207	-0.017	2.0645	
180 minute winter	S57	1.014	S127	150.3	0.949	2.125	4.4483	
180 minute winter	S125	21.003	S127	-4.5	-0.157	-0.065	7.8151	
180 minute winter	S127	1.015	S60	150.3	0.949	2.110	4.3168	
180 minute winter	S119	22.003	S60	-3.4	-0.185	-0.049	7.4062	
180 minute winter	S60	1.016	Pond Inlet 1	150.3	1.090	1.984	4.0766	
180 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	95.0	0.036	0.002	1688.7697	
180 minute winter	Pond Outlet	1.018	S13	0.4	0.229	0.006	0.4779	
180 minute winter	S13	Pump	Final Outfall	0.0				0.0
180 minute winter	PP-S26	1.000_1	S26	-11.2	0.589	-0.292	0.3977	
180 minute winter	PP-S25	2.000_1	S25	-11.0	0.720	-0.191	0.1989	
180 minute winter	PP-S16	3.000_1	S16	15.9	0.925	0.236	0.1989	
180 minute winter	PP-S145	4.000_2	S145	15.4	1.137	0.182	0.1989	
180 minute winter	PP-S4	1.000_2	S4	-9.8	0.909	-0.172	0.1989	
180 minute winter	PP-S1	4.000_1	S1	24.8	1.252	0.374	0.1989	

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Results for 100 year +20% CC 180 minute winter. 1620 minute analysis at 4 minute timestep. Mass balance: 99.96%

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	0.735	0.235	18.5	36.8841	0.0000	SURCHARGED
180 minute winter	PP-S12	128	0.734	0.234	15.8	23.8752	0.0000	SURCHARGED
180 minute winter	PP-S14	148	0.722	0.222	43.8	117.7957	0.0000	OK
180 minute winter	PP-S2	128	0.735	0.235	17.3	25.0637	0.0000	SURCHARGED
180 minute winter	PP-S15	128	0.734	0.234	11.3	13.0449	0.0000	SURCHARGED
180 minute winter	PP-S75	128	0.733	0.233	13.1	14.2912	0.0000	SURCHARGED
180 minute winter	PP-S24	128	0.729	0.229	24.2	30.8135	0.0000	SURCHARGED
180 minute winter	PP-S30	116	0.704	0.204	12.0	11.4951	0.0000	OK
180 minute winter	PP-S33	116	0.663	0.163	9.3	9.1867	0.0000	OK
180 minute winter	PP-S34	116	0.602	0.102	9.7	10.7059	0.0000	OK
180 minute winter	PP-S35	100	0.516	0.016	1.2	0.2800	0.0000	OK
180 minute winter	PP-S36	100	0.534	0.034	5.9	1.1942	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	19.8	1.075	0.267	0.1989	
180 minute winter	PP-S12	8.000_1	S12	26.6	1.027	0.292	0.1989	
180 minute winter	PP-S14	11.000_1	S14	-43.6	1.503	-0.526	0.1986	
180 minute winter	PP-S2	10.000_1	S2	25.1	1.025	0.275	0.1989	
180 minute winter	PP-S15	12.000_1	S15	10.4	1.002	0.111	0.1989	
180 minute winter	PP-S75	13.000_1	S75	-9.8	1.026	-0.099	0.1989	
180 minute winter	PP-S24	14.000_1	S92	18.2	1.366	0.178	0.1989	
180 minute winter	PP-S30	18.000_1	S30	-9.0	1.091	-0.081	0.1940	
180 minute winter	PP-S33	20.000_1	S33	7.3	1.175	0.064	0.1766	
180 minute winter	PP-S34	21.000_1	S34	20.3	1.447	0.171	0.1431	
180 minute winter	PP-S35	22.000_2	S35	1.2	0.872	0.010	0.1024	
180 minute winter	PP-S36	23.000_2	S36	5.8	1.363	0.049	0.1085	

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Results for 100 year +20% CC 240 minute summer. 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 summer	S26	152	0.697	0.935	19.8	1.6520	0.0000	SURCHARGED
240 minute summer	S25	152	0.697	0.941	18.0	2.3946	0.0000	SURCHARGED
240 minute summer	S16	152	0.697	0.964	49.8	4.2737	0.0000	SURCHARGED
240 minute summer	S145	152	0.695	1.010	40.1	4.3476	0.0000	SURCHARGED
240 minute summer	S4	152	0.690	0.933	26.1	1.6487	0.0000	SURCHARGED
240 minute summer	S5	152	0.690	0.974	26.0	1.7209	0.0000	SURCHARGED
240 minute summer	S9	152	0.689	0.985	11.1	2.2697	0.0000	SURCHARGED
240 minute summer	S10	152	0.689	1.010	7.9	1.7846	0.0000	SURCHARGED
240 minute summer	S11	152	0.689	1.015	30.7	1.7935	0.0000	SURCHARGED
240 minute summer	S12	152	0.689	1.024	37.9	1.8089	0.0000	SURCHARGED
240 minute summer	S1	156	0.694	0.958	23.6	2.2549	0.0000	SURCHARGED
240 minute summer	S3	156	0.691	0.998	23.5	3.1922	0.0000	SURCHARGED
240 minute summer	S2	152	0.689	1.025	38.8	1.8112	0.0000	SURCHARGED
240 minute summer	S14	156	0.682	0.991	40.6	1.7513	0.0000	SURCHARGED
240 minute summer	S15	152	0.688	1.034	72.5	4.6549	0.0000	SURCHARGED
240 minute summer	S75	152	0.687	1.049	99.1	2.6694	0.0000	SURCHARGED
240 minute summer	S87	144	0.689	0.975	15.0	3.1635	0.0000	SURCHARGED
240 minute summer	S88	144	0.689	0.997	29.7	3.2512	0.0000	SURCHARGED
240 minute summer	S89	148	0.688	1.018	44.1	3.2986	0.0000	SURCHARGED
240 minute summer	S90	148	0.686	1.038	58.8	3.3066	0.0000	SURCHARGED
240 minute summer	S92	148	0.682	1.061	109.1	2.7015	0.0000	SURCHARGED
240 minute summer	S81	136	0.686	0.988	15.0	3.1915	0.0000	SURCHARGED
240 minute summer	S82	136	0.686	1.010	30.2	3.2796	0.0000	SURCHARGED
240 minute summer	S83	140	0.685	1.030	45.0	3.3233	0.0000	SURCHARGED
240 minute summer	S84	140	0.681	1.048	59.3	3.3240	0.0000	SURCHARGED
240 minute summer	S86	148	0.675	1.068	112.1	2.7183	0.0000	SURCHARGED
240 minute summer	S76	136	0.678	0.995	15.0	3.2000	0.0000	SURCHARGED
240 minute summer	S77	136	0.678	1.017	29.5	3.2878	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	-17.5	-0.110	-0.247	9.2005	
240 minute summer	S25	2.000	S16	-15.7	-0.099	-0.223	7.3393	
240 minute summer	S16	1.001	S145	-31.4	-0.198	-0.440	15.0038	
240 minute summer	S145	1.002	S75	34.8	0.236	0.493	15.0038	
240 minute summer	S4	3.000	S5	-11.9	0.101	-0.168	13.1095	
240 minute summer	S5	3.001	S11	20.5	0.129	0.287	13.1095	
240 minute summer	S9	4.000	S10	-10.6	0.149	-0.151	8.0648	
240 minute summer	S10	4.001	S11	-7.9	0.157	-0.104	1.3780	
240 minute summer	S11	3.002	S12	-30.7	-0.194	-0.436	2.8740	
240 minute summer	S12	3.003	S15	37.8	0.239	0.549	3.6838	
240 minute summer	S1	5.000	S3	21.9	0.138	0.308	13.5151	
240 minute summer	S3	5.001	S2	21.8	0.188	0.308	9.1848	
240 minute summer	S2	5.002	S15	36.7	0.232	0.539	3.4165	
240 minute summer	S14	6.000	S15	-40.6	-0.256	-0.576	11.8707	
240 minute summer	S15	3.004	S75	70.3	0.444	0.983	4.9661	
240 minute summer	S75	1.003	S92	99.8	0.630	1.402	5.3380	
240 minute summer	S87	7.000	S88	14.3	0.149	0.200	6.8747	
240 minute summer	S88	7.001	S89	28.7	0.185	0.402	6.8747	
240 minute summer	S89	7.002	S90	43.8	0.277	0.614	6.8747	
240 minute summer	S90	7.003	S92	59.3	0.374	0.842	8.6413	
240 minute summer	S92	1.005	S86	105.3	0.664	1.481	4.4095	
240 minute summer	S81	8.000	S82	14.8	0.148	0.208	6.8747	
240 minute summer	S82	8.001	S83	29.6	0.187	0.425	6.8747	
240 minute summer	S83	8.002	S84	44.3	0.280	0.621	6.8747	
240 minute summer	S84	8.003	S86	58.6	0.370	0.825	8.1975	
240 minute summer	S86	1.006	S30	111.9	0.706	1.577	4.4165	
240 minute summer	S76	9.000	S77	14.1	0.149	0.198	6.8747	
240 minute summer	S77	9.001	S78	29.1	0.184	0.408	6.8747	

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Results for 100 year +20% CC 240 minute summer. 1680 minute analysis at 4 minute timestep. Mass balance: 99.93%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute summer	S78	136	0.676	1.037	44.5	3.3328	0.0000	SURCHARGED
240 minute summer	S79	136	0.671	1.053	59.1	3.3269	0.0000	SURCHARGED
240 minute summer	S30	140	0.664	1.071	126.1	2.7248	0.0000	SURCHARGED
240 minute summer	S31	140	0.636	0.972	16.2	3.2182	0.0000	SURCHARGED
240 minute summer	S32	140	0.636	1.015	29.6	3.1358	0.0000	SURCHARGED
240 minute summer	S33	140	0.633	1.056	134.0	2.6870	0.0000	SURCHARGED
240 minute summer	S34	140	0.585	1.024	129.6	1.8098	0.0000	SURCHARGED
240 minute summer	S35	140	0.488	0.954	130.4	1.6854	0.0000	SURCHARGED
240 minute summer	S36	140	0.453	0.895	5.9	1.5812	0.0000	SURCHARGED
240 minute summer	S37	140	0.454	0.925	150.3	4.5472	0.0000	SURCHARGED
240 minute summer	S38	140	0.237	0.753	149.1	1.3309	0.0000	SURCHARGED
240 minute summer	S39	140	0.019	0.581	149.1	1.0270	0.0000	SURCHARGED
240 minute summer	S56	140	-0.019	0.540	1.5	0.9535	0.0000	SURCHARGED
240 minute summer	S57	140	-0.019	0.546	149.2	1.3885	0.0000	SURCHARGED
240 minute summer	S125	140	-0.101	0.454	3.4	0.8014	0.0000	SURCHARGED
240 minute summer	S127	140	-0.102	0.477	149.1	1.2148	0.0000	SURCHARGED
240 minute summer	S119	140	-0.179	0.390	4.3	0.6888	0.0000	OK
240 minute summer	S60	140	-0.179	0.414	149.1	1.0535	0.0000	OK
240 minute summer	Pond Inlet 1	244	-0.283	0.327	148.6	0.5784	0.0000	OK
240 minute summer	Pond Outlet	924	-0.305	0.305	77.5	0.3454	0.0000	SURCHARGED
240 minute summer	S13	764	-0.305	0.333	0.4	1.1551	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	0.697	0.197	15.9	18.4475	0.0000	OK
240 minute summer	PP-S25	152	0.697	0.197	15.3	16.1453	0.0000	OK
240 minute summer	PP-S16	152	0.697	0.197	20.9	25.7547	0.0000	OK
240 minute summer	PP-S145	152	0.695	0.195	22.4	26.5466	0.0000	OK
240 minute summer	PP-S4	152	0.690	0.190	16.0	23.0836	0.0000	OK
240 minute summer	PP-S1	156	0.695	0.195	31.9	65.7516	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	44.1	0.278	0.632	6.8745	
240 minute summer	S79	9.003	S30	58.4	0.369	0.812	7.6907	
240 minute summer	S30	1.007	S33	120.2	0.759	1.689	5.0209	
240 minute summer	S31	10.000	S32	15.4	0.165	0.218	13.6740	
240 minute summer	S32	10.001	S33	29.1	0.212	0.407	13.6740	
240 minute summer	S33	1.008	S34	126.3	0.797	1.791	5.1108	
240 minute summer	S34	1.009	S35	130.0	0.821	1.830	8.5103	
240 minute summer	S35	1.010	S37	130.4	0.823	1.962	1.7947	
240 minute summer	S36	11.000	S37	5.9	-0.064	0.083	9.1184	
240 minute summer	S37	1.011	S38	149.1	0.941	2.110	14.3287	
240 minute summer	S38	1.012	S39	149.1	0.941	2.087	14.3287	
240 minute summer	S39	1.013	S57	149.1	0.941	2.354	1.1814	
240 minute summer	S56	12.011	S57	-1.5	-0.181	-0.022	2.0645	
240 minute summer	S57	1.014	S127	149.1	0.941	2.108	4.4483	
240 minute summer	S125	21.003	S127	-3.4	-0.176	-0.049	7.8141	
240 minute summer	S127	1.015	S60	149.1	0.942	2.093	4.3057	
240 minute summer	S119	22.003	S60	-4.3	-0.136	-0.061	7.3601	
240 minute summer	S60	1.016	Pond Inlet 1	148.6	1.086	1.963	4.0391	
240 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	77.5	0.026	0.002	1610.8804	
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	-11.5	0.537	-0.299	0.3833	
240 minute summer	PP-S25	2.000_1	S25	12.6	0.700	0.219	0.1916	
240 minute summer	PP-S16	3.000_1	S16	16.4	0.927	0.243	0.1917	
240 minute summer	PP-S145	4.000_2	S145	15.1	1.141	0.179	0.1908	
240 minute summer	PP-S4	1.000_2	S4	19.3	0.795	0.339	0.1890	
240 minute summer	PP-S1	4.000_1	S1	23.0	1.119	0.346	0.1909	

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Results for 100 year +20% CC 240 minute summer. 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 summer	PP-S5	152	0.690	0.190	18.6	27.9176	0.0000	OK
240 minute summer	PP-S12	152	0.689	0.189	17.0	18.8391	0.0000	OK
240 minute summer	PP-S14	172	0.673	0.173	40.7	86.2852	0.0000	OK
240 minute summer	PP-S2	152	0.689	0.189	18.3	19.9255	0.0000	OK
240 minute summer	PP-S15	152	0.688	0.188	14.8	10.3374	0.0000	OK
240 minute summer	PP-S75	152	0.687	0.187	17.6	11.2851	0.0000	OK
240 minute summer	PP-S24	152	0.683	0.183	26.2	23.4775	0.0000	OK
240 minute summer	PP-S30	140	0.664	0.164	23.7	9.1137	0.0000	OK
240 minute summer	PP-S33	140	0.634	0.134	15.0	7.3576	0.0000	OK
240 minute summer	PP-S34	136	0.570	0.070	10.4	6.2209	0.0000	OK
240 minute summer	PP-S35	132	0.516	0.016	1.2	0.2809	0.0000	OK
240 minute summer	PP-S36	132	0.534	0.034	6.1	1.2136	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	15.5	1.076	0.209	0.1889	
240 minute summer	PP-S12	8.000_1	S12	23.1	0.926	0.254	0.1885	
240 minute summer	PP-S14	11.000_1	S14	-40.5	1.330	-0.489	0.1813	
240 minute summer	PP-S2	10.000_1	S2	19.0	1.009	0.208	0.1886	
240 minute summer	PP-S15	12.000_1	S15	-13.4	1.011	-0.142	0.1882	
240 minute summer	PP-S75	13.000_1	S75	18.3	1.026	0.185	0.1876	
240 minute summer	PP-S24	14.000_1	S92	20.9	1.368	0.204	0.1857	
240 minute summer	PP-S30	18.000_1	S30	-20.8	1.096	-0.186	0.1770	
240 minute summer	PP-S33	20.000_1	S33	-11.5	1.183	-0.101	0.1610	
240 minute summer	PP-S34	21.000_1	S34	18.4	1.453	0.155	0.1259	
240 minute summer	PP-S35	22.000_2	S35	1.2	0.872	0.010	0.1024	
240 minute summer	PP-S36	23.000_2	S36	5.9	1.369	0.050	0.1055	

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Results for 100 year +20% CC 240 minute winter. 1680 minute analysis at 4 minute timestep. Mass balance: 99.95%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute winter	S26	164	0.713	0.951	10.0	1.6800	0.0000	SURCHARGED
240 minute winter	S25	164	0.713	0.957	14.1	2.4348	0.0000	SURCHARGED
240 minute winter	S16	164	0.713	0.980	26.8	4.3437	0.0000	SURCHARGED
240 minute winter	S145	164	0.711	1.026	42.3	4.4165	0.0000	SURCHARGED
240 minute winter	S4	164	0.706	0.949	19.5	1.6777	0.0000	SURCHARGED
240 minute winter	S5	164	0.706	0.990	29.8	1.7496	0.0000	SURCHARGED
240 minute winter	S9	164	0.705	1.001	6.5	2.3067	0.0000	SURCHARGED
240 minute winter	S10	164	0.705	1.026	15.2	1.8133	0.0000	SURCHARGED
240 minute winter	S11	164	0.705	1.031	24.4	1.8222	0.0000	SURCHARGED
240 minute winter	S12	164	0.705	1.040	31.7	1.8374	0.0000	SURCHARGED
240 minute winter	S1	164	0.707	0.971	26.4	2.2876	0.0000	SURCHARGED
240 minute winter	S3	164	0.707	1.014	21.8	3.2412	0.0000	SURCHARGED
240 minute winter	S2	164	0.705	1.041	39.6	1.8397	0.0000	SURCHARGED
240 minute winter	S14	168	0.699	1.008	33.3	1.7810	0.0000	SURCHARGED
240 minute winter	S15	164	0.704	1.050	91.6	4.7275	0.0000	SURCHARGED
240 minute winter	S75	164	0.704	1.066	118.6	2.7128	0.0000	SURCHARGED
240 minute winter	S87	156	0.706	0.992	11.1	3.2165	0.0000	SURCHARGED
240 minute winter	S88	156	0.705	1.013	22.2	3.3045	0.0000	SURCHARGED
240 minute winter	S89	156	0.705	1.035	33.4	3.3531	0.0000	SURCHARGED
240 minute winter	S90	160	0.703	1.055	44.2	3.3604	0.0000	SURCHARGED
240 minute winter	S92	160	0.700	1.079	116.3	2.7456	0.0000	SURCHARGED
240 minute winter	S81	152	0.696	0.998	11.1	3.2231	0.0000	SURCHARGED
240 minute winter	S82	152	0.696	1.020	22.3	3.3119	0.0000	SURCHARGED
240 minute winter	S83	156	0.695	1.040	33.4	3.3573	0.0000	SURCHARGED
240 minute winter	S84	156	0.693	1.060	44.3	3.3627	0.0000	SURCHARGED
240 minute winter	S86	156	0.689	1.082	112.5	2.7540	0.0000	SURCHARGED
240 minute winter	S76	152	0.676	0.993	11.1	3.1933	0.0000	SURCHARGED
240 minute winter	S77	152	0.676	1.015	22.3	3.2816	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	9.0	0.057	0.128	9.2005	
240 minute winter	S25	2.000	S16	17.9	0.113	0.253	7.3393	
240 minute winter	S16	1.001	S145	34.2	0.216	0.479	15.0038	
240 minute winter	S145	1.002	S75	33.3	0.236	0.471	15.0038	
240 minute winter	S4	3.000	S5	13.5	0.107	0.191	13.1095	
240 minute winter	S5	3.001	S11	24.4	0.154	0.342	13.1095	
240 minute winter	S9	4.000	S10	15.2	0.150	0.217	8.0648	
240 minute winter	S10	4.001	S11	13.3	0.159	0.175	1.3780	
240 minute winter	S11	3.002	S12	22.9	0.144	0.324	2.8740	
240 minute winter	S12	3.003	S15	35.8	0.226	0.519	3.6838	
240 minute winter	S1	5.000	S3	21.8	0.138	0.306	13.5151	
240 minute winter	S3	5.001	S2	24.3	0.198	0.343	9.1848	
240 minute winter	S2	5.002	S15	34.9	0.221	0.513	3.4165	
240 minute winter	S14	6.000	S15	-33.3	-0.210	-0.474	11.8707	
240 minute winter	S15	3.004	S75	82.4	0.520	1.151	4.9661	
240 minute winter	S75	1.003	S92	112.0	0.707	1.574	5.3380	
240 minute winter	S87	7.000	S88	10.8	0.146	0.151	6.8747	
240 minute winter	S88	7.001	S89	22.0	0.186	0.308	6.8747	
240 minute winter	S89	7.002	S90	33.1	0.225	0.465	6.8747	
240 minute winter	S90	7.003	S92	44.0	0.279	0.625	8.6413	
240 minute winter	S92	1.005	S86	111.5	0.704	1.569	4.4095	
240 minute winter	S81	8.000	S82	10.9	0.144	0.152	6.8747	
240 minute winter	S82	8.001	S83	22.0	0.183	0.316	6.8747	
240 minute winter	S83	8.002	S84	33.2	0.216	0.465	6.8747	
240 minute winter	S84	8.003	S86	44.0	0.278	0.620	8.1975	
240 minute winter	S86	1.006	S30	113.7	0.718	1.602	4.4165	
240 minute winter	S76	9.000	S77	11.0	0.146	0.154	6.8747	
240 minute winter	S77	9.001	S78	22.0	0.183	0.309	6.8747	

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Results for 100 year +20% CC 240 minute winter. 1680 minute analysis at 4 minute timestep. Mass balance: 99.95%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute winter	S78	152	0.675	1.036	33.4	3.3297	0.0000	SURCHARGED
240 minute winter	S79	152	0.673	1.055	44.3	3.3314	0.0000	SURCHARGED
240 minute winter	S30	152	0.668	1.075	121.2	2.7352	0.0000	SURCHARGED
240 minute winter	S31	148	0.625	0.961	12.0	3.1842	0.0000	SURCHARGED
240 minute winter	S32	152	0.625	1.004	22.4	3.0999	0.0000	SURCHARGED
240 minute winter	S33	152	0.623	1.046	126.5	2.6625	0.0000	SURCHARGED
240 minute winter	S34	152	0.562	1.001	130.1	1.7683	0.0000	SURCHARGED
240 minute winter	S35	148	0.462	0.928	130.6	1.6396	0.0000	SURCHARGED
240 minute winter	S36	144	0.428	0.870	4.7	1.5380	0.0000	SURCHARGED
240 minute winter	S37	144	0.428	0.899	146.4	4.4210	0.0000	SURCHARGED
240 minute winter	S38	144	0.218	0.734	146.3	1.2975	0.0000	SURCHARGED
240 minute winter	S39	148	0.009	0.571	146.3	1.0082	0.0000	SURCHARGED
240 minute winter	S56	148	-0.029	0.530	1.6	0.9372	0.0000	SURCHARGED
240 minute winter	S57	148	-0.029	0.536	146.3	1.3652	0.0000	SURCHARGED
240 minute winter	S125	152	-0.107	0.448	2.7	0.7911	0.0000	OK
240 minute winter	S127	152	-0.107	0.472	146.3	1.2005	0.0000	SURCHARGED
240 minute winter	S119	156	-0.181	0.388	3.0	0.6861	0.0000	OK
240 minute winter	S60	156	-0.181	0.412	146.3	1.0492	0.0000	OK
240 minute winter	Pond Inlet 1	260	-0.268	0.342	146.2	0.6041	0.0000	OK
240 minute winter	Pond Outlet	1444	-0.273	0.337	73.9	0.3817	0.0000	SURCHARGED
240 minute winter	S13	1400	-0.272	0.366	0.4	1.2663	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	164	0.713	0.213	11.0	20.2011	0.0000	OK
240 minute winter	PP-S25	164	0.713	0.213	10.2	17.6404	0.0000	OK
240 minute winter	PP-S16	164	0.713	0.213	15.3	28.4444	0.0000	OK
240 minute winter	PP-S145	164	0.711	0.211	14.8	29.4239	0.0000	OK
240 minute winter	PP-S4	164	0.707	0.207	13.0	25.6620	0.0000	OK
240 minute winter	PP-S1	164	0.708	0.208	27.9	70.4256	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	33.2	0.217	0.476	6.8745	
240 minute winter	S79	9.003	S30	44.0	0.278	0.612	7.6907	
240 minute winter	S30	1.007	S33	120.3	0.759	1.690	5.0209	
240 minute winter	S31	10.000	S32	11.8	0.164	0.167	13.6740	
240 minute winter	S32	10.001	S33	22.1	0.219	0.309	13.6740	
240 minute winter	S33	1.008	S34	126.5	0.799	1.794	5.1108	
240 minute winter	S34	1.009	S35	130.1	0.821	1.832	8.5103	
240 minute winter	S35	1.010	S37	130.8	0.825	1.968	1.7947	
240 minute winter	S36	11.000	S37	4.6	-0.062	0.065	9.1184	
240 minute winter	S37	1.011	S38	146.3	0.924	2.071	14.3287	
240 minute winter	S38	1.012	S39	146.3	0.924	2.048	14.3287	
240 minute winter	S39	1.013	S57	146.3	0.924	2.309	1.1814	
240 minute winter	S56	12.011	S57	-1.6	-0.189	-0.023	2.0645	
240 minute winter	S57	1.014	S127	146.3	0.924	2.069	4.4483	
240 minute winter	S125	21.003	S127	-2.7	-0.163	-0.039	7.8109	
240 minute winter	S127	1.015	S60	146.3	0.928	2.054	4.2999	
240 minute winter	S119	22.003	S60	-3.0	-0.175	-0.043	7.3384	
240 minute winter	S60	1.016	Pond Inlet 1	146.2	1.074	1.931	4.1132	
240 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	73.9	0.029	0.002	1790.5271	
240 minute winter	Pond Outlet	1.018	S13	0.4	0.209	0.006	0.4779	
240 minute winter	S13	Pump	Final Outfall	0.0				0.0
240 minute winter	PP-S26	1.000_1	S26	10.0	0.634	0.261	0.3935	
240 minute winter	PP-S25	2.000_1	S25	9.1	0.722	0.158	0.1967	
240 minute winter	PP-S16	3.000_1	S16	12.8	0.902	0.190	0.1967	
240 minute winter	PP-S145	4.000_2	S145	19.5	1.111	0.231	0.1962	
240 minute winter	PP-S4	1.000_2	S4	19.5	0.834	0.342	0.1950	
240 minute winter	PP-S1	4.000_1	S1	25.8	1.212	0.389	0.1955	

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Results for 100 year +20% CC 240 minute winter. 1680 minute analysis at 4 minute timestep. Mass balance: 99.95%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute winter	PP-S5	164	0.707	0.207	14.9	31.1844	0.0000	OK
240 minute winter	PP-S12	164	0.705	0.205	12.6	20.6227	0.0000	OK
240 minute winter	PP-S14	184	0.696	0.196	33.4	101.1483	0.0000	OK
240 minute winter	PP-S2	164	0.705	0.205	13.0	21.7370	0.0000	OK
240 minute winter	PP-S15	164	0.704	0.204	9.6	11.3005	0.0000	OK
240 minute winter	PP-S75	164	0.704	0.204	11.2	12.4005	0.0000	OK
240 minute winter	PP-S24	160	0.700	0.200	15.2	26.2739	0.0000	OK
240 minute winter	PP-S30	152	0.668	0.168	8.1	9.3339	0.0000	OK
240 minute winter	PP-S33	152	0.623	0.123	5.7	6.6811	0.0000	OK
240 minute winter	PP-S34	148	0.559	0.059	6.2	4.6511	0.0000	OK
240 minute winter	PP-S35	140	0.514	0.014	0.9	0.2282	0.0000	OK
240 minute winter	PP-S36	132	0.531	0.031	4.8	0.9794	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	22.3	1.049	0.301	0.1949	
240 minute winter	PP-S12	8.000_1	S12	25.4	0.952	0.279	0.1944	
240 minute winter	PP-S14	11.000_1	S14	-33.2	1.443	-0.401	0.1913	
240 minute winter	PP-S2	10.000_1	S2	17.0	1.012	0.186	0.1945	
240 minute winter	PP-S15	12.000_1	S15	15.6	0.973	0.165	0.1942	
240 minute winter	PP-S75	13.000_1	S75	17.4	0.992	0.176	0.1941	
240 minute winter	PP-S24	14.000_1	S92	17.0	1.331	0.166	0.1928	
240 minute winter	PP-S30	18.000_1	S30	9.9	1.063	0.089	0.1788	
240 minute winter	PP-S33	20.000_1	S33	6.5	1.145	0.057	0.1550	
240 minute winter	PP-S34	21.000_1	S34	7.4	1.412	0.062	0.1203	
240 minute winter	PP-S35	22.000_2	S35	0.9	0.840	0.007	0.1019	
240 minute winter	PP-S36	23.000_2	S36	4.7	1.318	0.040	0.0959	

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Results for 100 year +20% CC 360 minute summer. 1800 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
360 minute summer	S26	216	0.656	0.894	11.1	1.5795	0.0000	SURCHARGED
360 minute summer	S25	216	0.656	0.900	9.5	2.2898	0.0000	SURCHARGED
360 minute summer	S16	216	0.656	0.923	21.0	4.0915	0.0000	SURCHARGED
360 minute summer	S145	216	0.654	0.969	46.0	4.1732	0.0000	SURCHARGED
360 minute summer	S4	224	0.650	0.893	13.9	1.5774	0.0000	SURCHARGED
360 minute summer	S5	216	0.649	0.933	21.0	1.6490	0.0000	SURCHARGED
360 minute summer	S9	216	0.649	0.945	9.1	2.1774	0.0000	SURCHARGED
360 minute summer	S10	216	0.649	0.970	13.0	1.7141	0.0000	SURCHARGED
360 minute summer	S11	216	0.649	0.975	25.3	1.7229	0.0000	SURCHARGED
360 minute summer	S12	216	0.649	0.984	24.4	1.7386	0.0000	SURCHARGED
360 minute summer	S1	216	0.654	0.918	25.5	2.1607	0.0000	SURCHARGED
360 minute summer	S3	216	0.652	0.959	23.8	3.0657	0.0000	SURCHARGED
360 minute summer	S2	216	0.650	0.986	43.0	1.7418	0.0000	SURCHARGED
360 minute summer	S14	216	0.645	0.954	23.0	1.6857	0.0000	SURCHARGED
360 minute summer	S15	216	0.649	0.995	82.9	4.4774	0.0000	SURCHARGED
360 minute summer	S75	216	0.648	1.010	104.3	2.5700	0.0000	SURCHARGED
360 minute summer	S87	208	0.648	0.934	11.1	3.0284	0.0000	SURCHARGED
360 minute summer	S88	208	0.647	0.955	21.8	3.1156	0.0000	SURCHARGED
360 minute summer	S89	208	0.647	0.977	33.0	3.1654	0.0000	SURCHARGED
360 minute summer	S90	208	0.645	0.997	44.0	3.1750	0.0000	SURCHARGED
360 minute summer	S92	216	0.642	1.021	101.4	2.5984	0.0000	SURCHARGED
360 minute summer	S81	208	0.638	0.940	11.1	3.0362	0.0000	SURCHARGED
360 minute summer	S82	208	0.638	0.962	22.2	3.1241	0.0000	SURCHARGED
360 minute summer	S83	208	0.637	0.982	32.8	3.1712	0.0000	SURCHARGED
360 minute summer	S84	208	0.636	1.003	43.4	3.1802	0.0000	SURCHARGED
360 minute summer	S86	208	0.632	1.025	110.3	2.6081	0.0000	SURCHARGED
360 minute summer	S76	200	0.620	0.937	11.1	3.0122	0.0000	SURCHARGED
360 minute summer	S77	200	0.620	0.959	21.9	3.0994	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	12.1	0.076	0.171	9.2005	
360 minute summer	S25	2.000	S16	-7.4	-0.047	-0.105	7.3393	
360 minute summer	S16	1.001	S145	23.0	0.155	0.323	15.0038	
360 minute summer	S145	1.002	S75	30.4	0.223	0.431	15.0038	
360 minute summer	S4	3.000	S5	7.5	0.090	0.106	13.1095	
360 minute summer	S5	3.001	S11	25.3	0.160	0.354	13.1095	
360 minute summer	S9	4.000	S10	-8.6	0.134	-0.122	8.0648	
360 minute summer	S10	4.001	S11	-6.2	0.118	-0.082	1.3780	
360 minute summer	S11	3.002	S12	18.2	0.115	0.258	2.8740	
360 minute summer	S12	3.003	S15	18.3	0.116	0.266	3.6838	
360 minute summer	S1	5.000	S3	22.3	0.141	0.313	13.5151	
360 minute summer	S3	5.001	S2	24.5	0.173	0.345	9.1848	
360 minute summer	S2	5.002	S15	30.8	0.194	0.452	3.4165	
360 minute summer	S14	6.000	S15	23.7	0.150	0.337	11.8707	
360 minute summer	S15	3.004	S75	73.1	0.461	1.020	4.9661	
360 minute summer	S75	1.003	S92	95.1	0.600	1.336	5.3380	
360 minute summer	S87	7.000	S88	10.4	0.138	0.145	6.8747	
360 minute summer	S88	7.001	S89	21.6	0.171	0.302	6.8747	
360 minute summer	S89	7.002	S90	32.9	0.208	0.461	6.8747	
360 minute summer	S90	7.003	S92	43.6	0.275	0.618	8.6413	
360 minute summer	S92	1.005	S86	103.1	0.651	1.452	4.4095	
360 minute summer	S81	8.000	S82	10.8	0.137	0.151	6.8747	
360 minute summer	S82	8.001	S83	21.4	0.169	0.307	6.8747	
360 minute summer	S83	8.002	S84	32.3	0.204	0.452	6.8747	
360 minute summer	S84	8.003	S86	43.2	0.273	0.608	8.1975	
360 minute summer	S86	1.006	S30	109.4	0.690	1.541	4.4165	
360 minute summer	S76	9.000	S77	10.5	0.138	0.147	6.8747	
360 minute summer	S77	9.001	S78	21.5	0.171	0.301	6.8747	

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Results for 100 year +20% CC 360 minute summer. 1800 minute analysis at 8 minute timestep. Mass balance: 99.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute summer	S78	200	0.619	0.980	32.9	3.1482	0.0000	SURCHARGED
360 minute summer	S79	200	0.616	0.998	43.5	3.1520	0.0000	SURCHARGED
360 minute summer	S30	208	0.611	1.018	117.3	2.5904	0.0000	SURCHARGED
360 minute summer	S31	200	0.574	0.910	12.0	3.0128	0.0000	SURCHARGED
360 minute summer	S32	200	0.573	0.952	22.4	2.9404	0.0000	SURCHARGED
360 minute summer	S33	200	0.571	0.994	122.7	2.5299	0.0000	SURCHARGED
360 minute summer	S34	200	0.515	0.954	125.7	1.6850	0.0000	SURCHARGED
360 minute summer	S35	192	0.422	0.888	126.2	1.5698	0.0000	SURCHARGED
360 minute summer	S36	192	0.392	0.834	4.5	1.4734	0.0000	SURCHARGED
360 minute summer	S37	192	0.392	0.863	143.1	4.2417	0.0000	SURCHARGED
360 minute summer	S38	192	0.191	0.707	143.0	1.2495	0.0000	SURCHARGED
360 minute summer	S39	200	-0.009	0.553	142.9	0.9777	0.0000	SURCHARGED
360 minute summer	S56	200	-0.044	0.515	0.7	0.9099	0.0000	SURCHARGED
360 minute summer	S57	200	-0.044	0.521	142.9	1.3259	0.0000	SURCHARGED
360 minute summer	S125	200	-0.118	0.437	2.0	0.7713	0.0000	OK
360 minute summer	S127	200	-0.118	0.461	142.9	1.1720	0.0000	SURCHARGED
360 minute summer	S119	200	-0.188	0.381	1.8	0.6724	0.0000	OK
360 minute summer	S60	200	-0.188	0.405	142.8	1.0295	0.0000	OK
360 minute summer	Pond Inlet 1	568	-0.282	0.328	142.7	0.5789	0.0000	OK
360 minute summer	Pond Outlet	1184	-0.283	0.327	71.8	0.3703	0.0000	SURCHARGED
360 minute summer	S13	1296	-0.282	0.356	0.3	1.2315	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	0.656	0.156	10.1	13.9100	0.0000	OK
360 minute summer	PP-S25	216	0.656	0.156	9.1	12.2256	0.0000	OK
360 minute summer	PP-S16	216	0.656	0.156	12.7	18.6593	0.0000	OK
360 minute summer	PP-S145	216	0.654	0.154	12.7	19.2429	0.0000	OK
360 minute summer	PP-S4	224	0.650	0.150	11.5	16.7124	0.0000	OK
360 minute summer	PP-S1	216	0.654	0.154	22.7	51.1104	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	32.4	0.205	0.465	6.8745	
360 minute summer	S79	9.003	S30	43.0	0.271	0.598	7.6907	
360 minute summer	S30	1.007	S33	117.3	0.740	1.648	5.0209	
360 minute summer	S31	10.000	S32	11.9	0.144	0.169	13.6740	
360 minute summer	S32	10.001	S33	22.5	0.143	0.315	13.6740	
360 minute summer	S33	1.008	S34	122.8	0.775	1.740	5.1108	
360 minute summer	S34	1.009	S35	125.8	0.794	1.771	8.5103	
360 minute summer	S35	1.010	S37	126.3	0.797	1.901	1.7947	
360 minute summer	S36	11.000	S37	4.4	-0.035	0.062	9.1184	
360 minute summer	S37	1.011	S38	143.0	0.903	2.024	14.3287	
360 minute summer	S38	1.012	S39	142.9	0.902	2.001	14.3287	
360 minute summer	S39	1.013	S57	142.9	0.902	2.256	1.1814	
360 minute summer	S56	12.011	S57	-0.7	-0.085	-0.010	2.0645	
360 minute summer	S57	1.014	S127	142.9	0.902	2.020	4.4483	
360 minute summer	S125	21.003	S127	-2.0	-0.144	-0.029	7.7824	
360 minute summer	S127	1.015	S60	142.8	0.914	2.004	4.2722	
360 minute summer	S119	22.003	S60	-1.8	-0.090	-0.026	7.2286	
360 minute summer	S60	1.016	Pond Inlet 1	142.7	1.062	1.884	3.9957	
360 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	71.8	0.022	0.001	1733.6997	
360 minute summer	Pond Outlet	1.018	S13	0.3	0.187	0.005	0.4779	
360 minute summer	S13	Pump	Final Outfall	0.0				0.0
360 minute summer	PP-S26	1.000_1	S26	8.1	0.528	0.212	0.3404	
360 minute summer	PP-S25	2.000_1	S25	-7.9	0.680	-0.137	0.1715	
360 minute summer	PP-S16	3.000_1	S16	12.6	0.900	0.187	0.1728	
360 minute summer	PP-S145	4.000_2	S145	20.2	1.102	0.239	0.1720	
360 minute summer	PP-S4	1.000_2	S4	13.9	0.773	0.245	0.1666	
360 minute summer	PP-S1	4.000_1	S1	24.8	1.052	0.374	0.1718	

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Results for 100 year +20% CC 360 minute summer. 1800 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
360 minute summer	PP-S5	216	0.649	0.149	12.9	19.7548	0.0000	OK
360 minute summer	PP-S12	216	0.649	0.149	12.5	14.3883	0.0000	OK
360 minute summer	PP-S14	240	0.635	0.135	23.1	62.2083	0.0000	OK
360 minute summer	PP-S2	216	0.650	0.150	13.6	15.4689	0.0000	OK
360 minute summer	PP-S15	216	0.649	0.149	7.7	7.9715	0.0000	OK
360 minute summer	PP-S75	216	0.648	0.148	8.6	8.7360	0.0000	OK
360 minute summer	PP-S24	216	0.642	0.142	15.8	17.1059	0.0000	OK
360 minute summer	PP-S30	208	0.611	0.111	7.3	5.9076	0.0000	OK
360 minute summer	PP-S33	200	0.570	0.070	5.1	3.4033	0.0000	OK
360 minute summer	PP-S34	192	0.534	0.034	5.8	1.5321	0.0000	OK
360 minute summer	PP-S35	192	0.514	0.014	0.9	0.2265	0.0000	OK
360 minute summer	PP-S36	192	0.530	0.030	4.5	0.9310	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	13.5	1.045	0.182	0.1693	
360 minute summer	PP-S12	8.000_1	S12	-10.5	0.897	-0.115	0.1692	
360 minute summer	PP-S14	11.000_1	S14	23.0	1.302	0.278	0.1616	
360 minute summer	PP-S2	10.000_1	S2	18.5	0.984	0.203	0.1696	
360 minute summer	PP-S15	12.000_1	S15	18.3	0.973	0.194	0.1691	
360 minute summer	PP-S75	13.000_1	S75	12.4	0.931	0.126	0.1686	
360 minute summer	PP-S24	14.000_1	S92	20.7	1.326	0.202	0.1654	
360 minute summer	PP-S30	18.000_1	S30	5.8	1.063	0.052	0.1480	
360 minute summer	PP-S33	20.000_1	S33	5.0	1.133	0.043	0.1260	
360 minute summer	PP-S34	21.000_1	S34	5.7	1.400	0.048	0.1087	
360 minute summer	PP-S35	22.000_2	S35	0.9	0.818	0.007	0.0972	
360 minute summer	PP-S36	23.000_2	S36	4.5	1.314	0.038	0.0785	

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Results for 100 year +20% CC 360 minute winter. 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 winter	S26	232	0.651	0.889	11.1	1.5714	0.0000	SURCHARGED
360 minute winter	S25	232	0.651	0.895	4.1	2.2785	0.0000	SURCHARGED
360 minute winter	S16	232	0.651	0.918	23.2	4.0714	0.0000	SURCHARGED
360 minute winter	S145	232	0.649	0.964	38.4	4.1528	0.0000	SURCHARGED
360 minute winter	S4	280	0.658	0.901	12.4	1.5912	0.0000	SURCHARGED
360 minute winter	S5	288	0.650	0.934	26.7	1.6495	0.0000	SURCHARGED
360 minute winter	S9	232	0.645	0.941	8.4	2.1676	0.0000	SURCHARGED
360 minute winter	S10	232	0.645	0.966	7.2	1.7066	0.0000	SURCHARGED
360 minute winter	S11	232	0.645	0.971	13.5	1.7154	0.0000	SURCHARGED
360 minute winter	S12	232	0.645	0.980	29.2	1.7310	0.0000	SURCHARGED
360 minute winter	S1	280	0.664	0.928	19.9	2.1846	0.0000	SURCHARGED
360 minute winter	S3	232	0.646	0.953	18.4	3.0480	0.0000	SURCHARGED
360 minute winter	S2	232	0.645	0.981	22.3	1.7334	0.0000	SURCHARGED
360 minute winter	S14	232	0.642	0.951	28.0	1.6813	0.0000	SURCHARGED
360 minute winter	S15	232	0.644	0.990	66.4	4.4572	0.0000	SURCHARGED
360 minute winter	S75	232	0.643	1.005	99.7	2.5576	0.0000	SURCHARGED
360 minute winter	S87	224	0.642	0.928	8.1	3.0108	0.0000	SURCHARGED
360 minute winter	S88	224	0.642	0.950	16.3	3.0980	0.0000	SURCHARGED
360 minute winter	S89	224	0.641	0.971	24.4	3.1485	0.0000	SURCHARGED
360 minute winter	S90	224	0.640	0.992	32.4	3.1599	0.0000	SURCHARGED
360 minute winter	S92	224	0.637	1.016	105.1	2.5862	0.0000	SURCHARGED
360 minute winter	S81	216	0.630	0.932	8.1	3.0088	0.0000	SURCHARGED
360 minute winter	S82	216	0.630	0.954	16.2	3.0965	0.0000	SURCHARGED
360 minute winter	S83	216	0.629	0.974	24.4	3.1437	0.0000	SURCHARGED
360 minute winter	S84	216	0.627	0.994	32.3	3.1534	0.0000	SURCHARGED
360 minute winter	S86	216	0.623	1.016	111.3	2.5870	0.0000	SURCHARGED
360 minute winter	S76	216	0.606	0.923	8.1	2.9686	0.0000	SURCHARGED
360 minute winter	S77	216	0.606	0.945	16.2	3.0558	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	8.3	0.053	0.118	9.2005	
360 minute winter	S25	2.000	S16	6.2	0.039	0.087	7.3393	
360 minute winter	S16	1.001	S145	27.9	0.176	0.392	15.0038	
360 minute winter	S145	1.002	S75	31.9	0.207	0.453	15.0038	
360 minute winter	S4	3.000	S5	12.0	0.099	0.170	13.1095	
360 minute winter	S5	3.001	S11	12.2	0.113	0.171	13.1095	
360 minute winter	S9	4.000	S10	-7.8	0.134	-0.111	8.0648	
360 minute winter	S10	4.001	S11	6.6	0.137	0.086	1.3780	
360 minute winter	S11	3.002	S12	15.7	0.099	0.223	2.8740	
360 minute winter	S12	3.003	S15	31.5	0.199	0.458	3.6838	
360 minute winter	S1	5.000	S3	16.8	0.109	0.237	13.5151	
360 minute winter	S3	5.001	S2	19.7	0.173	0.278	9.1848	
360 minute winter	S2	5.002	S15	24.2	0.153	0.356	3.4165	
360 minute winter	S14	6.000	S15	22.8	0.144	0.324	11.8707	
360 minute winter	S15	3.004	S75	69.0	0.435	0.964	4.9661	
360 minute winter	S75	1.003	S92	92.6	0.584	1.301	5.3380	
360 minute winter	S87	7.000	S88	8.0	0.130	0.111	6.8747	
360 minute winter	S88	7.001	S89	16.1	0.172	0.226	6.8747	
360 minute winter	S89	7.002	S90	24.3	0.199	0.340	6.8747	
360 minute winter	S90	7.003	S92	32.2	0.249	0.457	8.6413	
360 minute winter	S92	1.005	S86	104.3	0.658	1.468	4.4095	
360 minute winter	S81	8.000	S82	7.9	0.128	0.111	6.8747	
360 minute winter	S82	8.001	S83	16.1	0.169	0.231	6.8747	
360 minute winter	S83	8.002	S84	24.2	0.189	0.339	6.8747	
360 minute winter	S84	8.003	S86	32.1	0.245	0.453	8.1975	
360 minute winter	S86	1.006	S30	109.3	0.690	1.540	4.4165	
360 minute winter	S76	9.000	S77	7.9	0.130	0.111	6.8747	
360 minute winter	S77	9.001	S78	16.1	0.170	0.225	6.8747	

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Results for 100 year +20% CC 360 minute winter. 1800 minute analysis at 8 minute timestep. Mass balance: 99.94%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute winter	S78	216	0.605	0.966	24.4	3.1062	0.0000	SURCHARGED
360 minute winter	S79	216	0.604	0.986	32.3	3.1138	0.0000	SURCHARGED
360 minute winter	S30	216	0.600	1.007	118.0	2.5634	0.0000	SURCHARGED
360 minute winter	S31	216	0.556	0.892	8.7	2.9548	0.0000	SURCHARGED
360 minute winter	S32	216	0.556	0.935	16.2	2.8867	0.0000	SURCHARGED
360 minute winter	S33	216	0.554	0.977	122.1	2.4877	0.0000	SURCHARGED
360 minute winter	S34	216	0.494	0.933	125.1	1.6492	0.0000	SURCHARGED
360 minute winter	S35	208	0.399	0.865	125.6	1.5290	0.0000	SURCHARGED
360 minute winter	S36	208	0.367	0.809	3.5	1.4292	0.0000	SURCHARGED
360 minute winter	S37	208	0.367	0.838	139.9	4.1186	0.0000	SURCHARGED
360 minute winter	S38	208	0.175	0.691	139.9	1.2207	0.0000	SURCHARGED
360 minute winter	S39	216	-0.017	0.545	139.9	0.9635	0.0000	SURCHARGED
360 minute winter	S56	216	-0.051	0.508	0.8	0.8983	0.0000	SURCHARGED
360 minute winter	S57	216	-0.051	0.514	139.9	1.3091	0.0000	SURCHARGED
360 minute winter	S125	216	-0.122	0.433	2.1	0.7656	0.0000	OK
360 minute winter	S127	216	-0.122	0.457	139.9	1.1637	0.0000	SURCHARGED
360 minute winter	S119	224	-0.188	0.381	2.0	0.6730	0.0000	OK
360 minute winter	S60	224	-0.188	0.405	139.8	1.0303	0.0000	OK
360 minute winter	Pond Inlet 1	496	-0.249	0.361	139.7	0.6387	0.0000	OK
360 minute winter	Pond Outlet	496	-0.249	0.361	70.0	0.4087	0.0000	SURCHARGED
360 minute winter	S13	992	-0.249	0.389	0.2	1.3489	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	232	0.651	0.151	6.2	13.3975	0.0000	OK
360 minute winter	PP-S25	232	0.651	0.151	5.7	11.8074	0.0000	OK
360 minute winter	PP-S16	232	0.651	0.151	7.3	17.8793	0.0000	OK
360 minute winter	PP-S145	232	0.649	0.149	8.4	18.3873	0.0000	OK
360 minute winter	PP-S4	232	0.645	0.145	11.5	16.0058	0.0000	OK
360 minute winter	PP-S1	232	0.647	0.147	17.1	48.6124	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	24.2	0.190	0.348	6.8745	
360 minute winter	S79	9.003	S30	32.1	0.238	0.447	7.6907	
360 minute winter	S30	1.007	S33	115.2	0.727	1.619	5.0209	
360 minute winter	S31	10.000	S32	8.5	0.142	0.121	13.6740	
360 minute winter	S32	10.001	S33	16.1	0.194	0.225	13.6740	
360 minute winter	S33	1.008	S34	122.2	0.771	1.732	5.1108	
360 minute winter	S34	1.009	S35	125.1	0.790	1.762	8.5103	
360 minute winter	S35	1.010	S37	125.6	0.793	1.891	1.7947	
360 minute winter	S36	11.000	S37	3.4	-0.062	0.048	9.1184	
360 minute winter	S37	1.011	S38	139.9	0.883	1.980	14.3287	
360 minute winter	S38	1.012	S39	139.9	0.883	1.958	14.3287	
360 minute winter	S39	1.013	S57	139.9	0.883	2.208	1.1814	
360 minute winter	S56	12.011	S57	-0.8	-0.037	-0.011	2.0645	
360 minute winter	S57	1.014	S127	139.9	0.883	1.978	4.4483	
360 minute winter	S125	21.003	S127	-2.1	-0.074	-0.030	7.7691	
360 minute winter	S127	1.015	S60	139.8	0.898	1.963	4.2735	
360 minute winter	S119	22.003	S60	-2.0	-0.158	-0.028	7.2335	
360 minute winter	S60	1.016	Pond Inlet 1	139.7	1.046	1.845	4.1950	
360 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	70.0	0.024	0.001	1925.7728	
360 minute winter	Pond Outlet	1.018	S13	0.2	0.200	0.003	0.4779	
360 minute winter	S13	Pump	Final Outfall	0.0				0.0
360 minute winter	PP-S26	1.000_1	S26	4.9	0.538	0.126	0.3328	
360 minute winter	PP-S25	2.000_1	S25	-4.9	0.638	-0.086	0.1681	
360 minute winter	PP-S16	3.000_1	S16	14.7	0.843	0.218	0.1704	
360 minute winter	PP-S145	4.000_2	S145	14.5	1.030	0.171	0.1694	
360 minute winter	PP-S4	1.000_2	S4	12.4	0.747	0.217	0.1629	
360 minute winter	PP-S1	4.000_1	S1	19.3	1.078	0.292	0.1680	

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Results for 100 year +20% CC 360 minute winter. 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 winter	PP-S5	232	0.645	0.145	7.8	18.9714	0.0000	OK
360 minute winter	PP-S12	232	0.645	0.145	8.0	13.9012	0.0000	OK
360 minute winter	PP-S14	248	0.640	0.140	19.7	65.6056	0.0000	OK
360 minute winter	PP-S2	232	0.645	0.145	10.4	14.9215	0.0000	OK
360 minute winter	PP-S15	232	0.644	0.144	8.2	7.7031	0.0000	OK
360 minute winter	PP-S75	232	0.643	0.143	15.6	8.4166	0.0000	OK
360 minute winter	PP-S24	224	0.637	0.137	7.6	16.3507	0.0000	OK
360 minute winter	PP-S30	216	0.600	0.100	3.6	5.2728	0.0000	OK
360 minute winter	PP-S33	216	0.554	0.054	2.3	2.3807	0.0000	OK
360 minute winter	PP-S34	192	0.530	0.030	4.5	1.2167	0.0000	OK
360 minute winter	PP-S35	200	0.512	0.012	0.7	0.1858	0.0000	OK
360 minute winter	PP-S36	192	0.526	0.026	3.5	0.7391	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	20.5	0.979	0.277	0.1672	
360 minute winter	PP-S12	8.000_1	S12	17.4	0.842	0.191	0.1668	
360 minute winter	PP-S14	11.000_1	S14	28.0	1.195	0.338	0.1645	
360 minute winter	PP-S2	10.000_1	S2	11.6	0.929	0.127	0.1670	
360 minute winter	PP-S15	12.000_1	S15	-7.7	0.903	-0.081	0.1666	
360 minute winter	PP-S75	13.000_1	S75	19.2	0.924	0.194	0.1659	
360 minute winter	PP-S24	14.000_1	S92	15.7	1.237	0.153	0.1628	
360 minute winter	PP-S30	18.000_1	S30	7.4	0.985	0.067	0.1421	
360 minute winter	PP-S33	20.000_1	S33	3.1	1.056	0.027	0.1177	
360 minute winter	PP-S34	21.000_1	S34	4.5	1.306	0.038	0.1072	
360 minute winter	PP-S35	22.000_2	S35	0.7	0.797	0.006	0.0877	
360 minute winter	PP-S36	23.000_2	S36	3.5	1.258	0.029	0.0632	

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Results for 100 year +20% CC 480 minute summer. 1920 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
480 minute summer	S26	320	0.628	0.866	6.3	1.5301	0.0000	SURCHARGED
480 minute summer	S25	280	0.621	0.865	17.0	2.2004	0.0000	SURCHARGED
480 minute summer	S16	280	0.621	0.888	34.4	3.9356	0.0000	SURCHARGED
480 minute summer	S145	296	0.622	0.937	50.3	4.0328	0.0000	SURCHARGED
480 minute summer	S4	296	0.634	0.877	14.2	1.5505	0.0000	SURCHARGED
480 minute summer	S5	304	0.635	0.919	18.5	1.6246	0.0000	SURCHARGED
480 minute summer	S9	296	0.626	0.922	11.0	2.1238	0.0000	SURCHARGED
480 minute summer	S10	312	0.626	0.947	8.7	1.6736	0.0000	SURCHARGED
480 minute summer	S11	312	0.623	0.949	20.4	1.6774	0.0000	SURCHARGED
480 minute summer	S12	280	0.615	0.950	20.2	1.6788	0.0000	SURCHARGED
480 minute summer	S1	296	0.647	0.911	19.2	2.1456	0.0000	SURCHARGED
480 minute summer	S3	288	0.622	0.929	18.7	2.9707	0.0000	SURCHARGED
480 minute summer	S2	288	0.616	0.952	40.5	1.6828	0.0000	SURCHARGED
480 minute summer	S14	280	0.613	0.922	25.6	1.6294	0.0000	SURCHARGED
480 minute summer	S15	280	0.615	0.961	60.8	4.3248	0.0000	SURCHARGED
480 minute summer	S75	280	0.613	0.975	91.9	2.4822	0.0000	SURCHARGED
480 minute summer	S87	272	0.612	0.898	8.6	2.9116	0.0000	SURCHARGED
480 minute summer	S88	272	0.611	0.919	17.5	2.9982	0.0000	SURCHARGED
480 minute summer	S89	272	0.611	0.941	26.0	3.0492	0.0000	SURCHARGED
480 minute summer	S90	272	0.610	0.962	34.4	3.0624	0.0000	SURCHARGED
480 minute summer	S92	272	0.607	0.986	101.9	2.5085	0.0000	SURCHARGED
480 minute summer	S81	264	0.600	0.902	8.6	2.9137	0.0000	SURCHARGED
480 minute summer	S82	264	0.600	0.924	17.3	3.0008	0.0000	SURCHARGED
480 minute summer	S83	264	0.599	0.944	25.9	3.0484	0.0000	SURCHARGED
480 minute summer	S84	264	0.597	0.964	34.2	3.0594	0.0000	SURCHARGED
480 minute summer	S86	272	0.594	0.987	106.2	2.5119	0.0000	SURCHARGED
480 minute summer	S76	264	0.580	0.897	8.6	2.8830	0.0000	SURCHARGED
480 minute summer	S77	264	0.580	0.919	17.2	2.9697	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	9.2	0.058	0.130	9.2005	
480 minute summer	S25	2.000	S16	10.7	0.067	0.151	7.3393	
480 minute summer	S16	1.001	S145	22.6	0.145	0.316	15.0038	
480 minute summer	S145	1.002	S75	29.4	0.205	0.416	15.0038	
480 minute summer	S4	3.000	S5	10.6	0.089	0.150	13.1095	
480 minute summer	S5	3.001	S11	20.1	0.127	0.282	13.1095	
480 minute summer	S9	4.000	S10	-10.3	0.124	-0.147	8.0648	
480 minute summer	S10	4.001	S11	-5.6	0.136	-0.073	1.3780	
480 minute summer	S11	3.002	S12	20.2	0.127	0.286	2.8740	
480 minute summer	S12	3.003	S15	18.8	0.119	0.273	3.6838	
480 minute summer	S1	5.000	S3	16.0	0.101	0.225	13.5151	
480 minute summer	S3	5.001	S2	23.1	0.161	0.325	9.1848	
480 minute summer	S2	5.002	S15	32.6	0.206	0.478	3.4165	
480 minute summer	S14	6.000	S15	21.3	0.134	0.302	11.8707	
480 minute summer	S15	3.004	S75	61.6	0.389	0.861	4.9661	
480 minute summer	S75	1.003	S92	88.0	0.556	1.237	5.3380	
480 minute summer	S87	7.000	S88	9.1	0.128	0.128	6.8747	
480 minute summer	S88	7.001	S89	17.2	0.160	0.242	6.8747	
480 minute summer	S89	7.002	S90	25.8	0.183	0.362	6.8747	
480 minute summer	S90	7.003	S92	34.4	0.218	0.488	8.6413	
480 minute summer	S92	1.005	S86	96.6	0.610	1.360	4.4095	
480 minute summer	S81	8.000	S82	8.5	0.127	0.119	6.8747	
480 minute summer	S82	8.001	S83	17.1	0.158	0.245	6.8747	
480 minute summer	S83	8.002	S84	25.6	0.184	0.359	6.8747	
480 minute summer	S84	8.003	S86	34.0	0.214	0.478	8.1975	
480 minute summer	S86	1.006	S30	103.5	0.653	1.457	4.4165	
480 minute summer	S76	9.000	S77	8.4	0.128	0.118	6.8747	
480 minute summer	S77	9.001	S78	17.1	0.158	0.239	6.8747	

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Results for 100 year +20% CC 480 minute summer. 1920 minute analysis at 8 minute timestep. Mass balance: 99.94%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute summer	S78	264	0.579	0.940	25.9	3.0203	0.0000	SURCHARGED
480 minute summer	S79	264	0.577	0.959	34.3	3.0289	0.0000	SURCHARGED
480 minute summer	S30	264	0.573	0.980	115.2	2.4943	0.0000	SURCHARGED
480 minute summer	S31	264	0.533	0.869	9.3	2.8769	0.0000	SURCHARGED
480 minute summer	S32	264	0.532	0.911	17.2	2.8132	0.0000	SURCHARGED
480 minute summer	S33	264	0.530	0.953	121.0	2.4262	0.0000	SURCHARGED
480 minute summer	S34	264	0.473	0.912	123.6	1.6115	0.0000	SURCHARGED
480 minute summer	S35	256	0.383	0.849	123.7	1.4999	0.0000	SURCHARGED
480 minute summer	S36	256	0.352	0.794	3.6	1.4033	0.0000	SURCHARGED
480 minute summer	S37	256	0.352	0.823	138.7	4.0458	0.0000	SURCHARGED
480 minute summer	S38	256	0.163	0.679	138.6	1.2006	0.0000	SURCHARGED
480 minute summer	S39	256	-0.025	0.537	138.6	0.9490	0.0000	SURCHARGED
480 minute summer	S56	264	-0.058	0.501	0.7	0.8847	0.0000	SURCHARGED
480 minute summer	S57	264	-0.058	0.507	138.6	1.2895	0.0000	SURCHARGED
480 minute summer	S125	264	-0.128	0.427	2.0	0.7549	0.0000	OK
480 minute summer	S127	264	-0.128	0.451	138.6	1.1483	0.0000	SURCHARGED
480 minute summer	S119	264	-0.194	0.375	2.3	0.6621	0.0000	OK
480 minute summer	S60	264	-0.194	0.399	138.5	1.0147	0.0000	OK
480 minute summer	Pond Inlet 1	584	-0.266	0.344	138.5	0.6085	0.0000	OK
480 minute summer	Pond Outlet	1264	-0.266	0.344	69.5	0.3895	0.0000	SURCHARGED
480 minute summer	S13	1552	-0.266	0.372	0.2	1.2902	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	280	0.621	0.121	6.6	10.0300	0.0000	OK
480 minute summer	PP-S25	280	0.621	0.121	6.9	8.8897	0.0000	OK
480 minute summer	PP-S16	280	0.620	0.120	8.0	12.5936	0.0000	OK
480 minute summer	PP-S145	280	0.619	0.119	8.0	12.9159	0.0000	OK
480 minute summer	PP-S4	280	0.616	0.116	7.3	11.3828	0.0000	OK
480 minute summer	PP-S1	280	0.617	0.117	16.2	37.9086	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	25.7	0.185	0.369	6.8745	
480 minute summer	S79	9.003	S30	34.0	0.215	0.473	7.6907	
480 minute summer	S30	1.007	S33	114.1	0.720	1.603	5.0209	
480 minute summer	S31	10.000	S32	9.1	0.137	0.129	13.6740	
480 minute summer	S32	10.001	S33	17.0	0.152	0.238	13.6740	
480 minute summer	S33	1.008	S34	120.8	0.763	1.713	5.1108	
480 minute summer	S34	1.009	S35	123.3	0.779	1.737	8.5103	
480 minute summer	S35	1.010	S37	123.8	0.781	1.863	1.7947	
480 minute summer	S36	11.000	S37	3.6	-0.052	0.050	9.1184	
480 minute summer	S37	1.011	S38	138.6	0.875	1.962	14.3287	
480 minute summer	S38	1.012	S39	138.6	0.875	1.940	14.3287	
480 minute summer	S39	1.013	S57	138.6	0.875	2.187	1.1814	
480 minute summer	S56	12.011	S57	-0.7	-0.043	-0.010	2.0645	
480 minute summer	S57	1.014	S127	138.6	0.875	1.959	4.4470	
480 minute summer	S125	21.003	S127	-2.0	-0.064	-0.029	7.7401	
480 minute summer	S127	1.015	S60	138.5	0.895	1.945	4.2485	
480 minute summer	S119	22.003	S60	-2.3	-0.138	-0.033	7.1417	
480 minute summer	S60	1.016	Pond Inlet 1	138.5	1.043	1.828	4.0044	
480 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	69.5	0.020	0.001	1829.5895	
480 minute summer	Pond Outlet	1.018	S13	0.2	0.177	0.003	0.4779	
480 minute summer	S13	Pump	Final Outfall	0.0				0.0
480 minute summer	PP-S26	1.000_1	S26	6.1	0.504	0.160	0.2751	
480 minute summer	PP-S25	2.000_1	S25	8.6	0.637	0.150	0.1400	
480 minute summer	PP-S16	3.000_1	S16	18.9	0.850	0.281	0.1489	
480 minute summer	PP-S145	4.000_2	S145	25.5	1.042	0.302	0.1527	
480 minute summer	PP-S4	1.000_2	S4	14.2	0.733	0.248	0.1373	
480 minute summer	PP-S1	4.000_1	S1	18.4	1.053	0.278	0.1469	

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Results for 100 year +20% CC 480 minute summer. 1920 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
480 minute summer	PP-S5	280	0.615	0.115	9.4	12.9692	0.0000	OK
480 minute summer	PP-S12	280	0.615	0.115	11.5	10.6122	0.0000	OK
480 minute summer	PP-S14	296	0.603	0.103	15.5	41.6225	0.0000	OK
480 minute summer	PP-S2	280	0.616	0.116	9.6	11.6299	0.0000	OK
480 minute summer	PP-S15	280	0.615	0.115	10.0	5.9454	0.0000	OK
480 minute summer	PP-S75	280	0.613	0.113	6.7	6.4779	0.0000	OK
480 minute summer	PP-S24	272	0.606	0.106	10.7	11.4973	0.0000	OK
480 minute summer	PP-S30	264	0.573	0.073	3.2	3.6283	0.0000	OK
480 minute summer	PP-S33	264	0.529	0.029	2.5	0.8568	0.0000	OK
480 minute summer	PP-S34	248	0.531	0.031	4.9	1.2693	0.0000	OK
480 minute summer	PP-S35	256	0.512	0.012	0.7	0.1857	0.0000	OK
480 minute summer	PP-S36	248	0.527	0.027	3.7	0.7644	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	18.5	0.988	0.250	0.1492	
480 minute summer	PP-S12	8.000_1	S12	-10.9	0.849	-0.120	0.1505	
480 minute summer	PP-S14	11.000_1	S14	25.6	1.317	0.309	0.1436	
480 minute summer	PP-S2	10.000_1	S2	21.6	0.932	0.236	0.1509	
480 minute summer	PP-S15	12.000_1	S15	9.5	0.911	0.101	0.1503	
480 minute summer	PP-S75	13.000_1	S75	24.3	0.932	0.246	0.1495	
480 minute summer	PP-S24	14.000_1	S92	17.9	1.250	0.175	0.1455	
480 minute summer	PP-S30	18.000_1	S30	8.4	0.996	0.076	0.1272	
480 minute summer	PP-S33	20.000_1	S33	2.4	1.066	0.021	0.1070	
480 minute summer	PP-S34	21.000_1	S34	4.7	1.322	0.040	0.1074	
480 minute summer	PP-S35	22.000_2	S35	0.7	0.779	0.006	0.0800	
480 minute summer	PP-S36	23.000_2	S36	3.6	1.290	0.030	0.0555	

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Results for 100 year +20% CC 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	0.600	0.838	4.9	1.4804	0.0000	SURCHARGED
480 minute winter	S25	312	0.607	0.851	7.5	2.1668	0.0000	SURCHARGED
480 minute winter	S16	320	0.606	0.873	20.1	3.8714	0.0000	SURCHARGED
480 minute winter	S145	312	0.642	0.957	35.2	4.1193	0.0000	SURCHARGED
480 minute winter	S4	312	0.642	0.885	10.1	1.5634	0.0000	SURCHARGED
480 minute winter	S5	288	0.617	0.901	24.1	1.5927	0.0000	SURCHARGED
480 minute winter	S9	304	0.605	0.901	16.6	2.0766	0.0000	SURCHARGED
480 minute winter	S10	296	0.609	0.930	6.2	1.6439	0.0000	SURCHARGED
480 minute winter	S11	296	0.612	0.938	18.5	1.6578	0.0000	SURCHARGED
480 minute winter	S12	296	0.613	0.948	22.3	1.6744	0.0000	SURCHARGED
480 minute winter	S1	328	0.619	0.883	21.8	2.0794	0.0000	SURCHARGED
480 minute winter	S3	320	0.629	0.936	20.1	2.9919	0.0000	SURCHARGED
480 minute winter	S2	304	0.605	0.941	30.5	1.6631	0.0000	SURCHARGED
480 minute winter	S14	312	0.648	0.957	22.6	1.6903	0.0000	SURCHARGED
480 minute winter	S15	296	0.608	0.954	54.6	4.2961	0.0000	SURCHARGED
480 minute winter	S75	296	0.605	0.967	81.5	2.4600	0.0000	SURCHARGED
480 minute winter	S87	312	0.597	0.883	6.4	2.8651	0.0000	SURCHARGED
480 minute winter	S88	296	0.597	0.905	13.0	2.9501	0.0000	SURCHARGED
480 minute winter	S89	280	0.591	0.921	19.5	2.9863	0.0000	SURCHARGED
480 minute winter	S90	280	0.590	0.942	25.8	3.0002	0.0000	SURCHARGED
480 minute winter	S92	280	0.587	0.966	94.3	2.4591	0.0000	SURCHARGED
480 minute winter	S81	280	0.577	0.879	6.4	2.8396	0.0000	SURCHARGED
480 minute winter	S82	280	0.577	0.901	13.0	2.9264	0.0000	SURCHARGED
480 minute winter	S83	280	0.577	0.922	19.5	2.9754	0.0000	SURCHARGED
480 minute winter	S84	280	0.575	0.942	25.7	2.9891	0.0000	SURCHARGED
480 minute winter	S86	280	0.573	0.966	101.8	2.4576	0.0000	SURCHARGED
480 minute winter	S76	280	0.551	0.868	6.4	2.7909	0.0000	SURCHARGED
480 minute winter	S77	280	0.551	0.890	12.9	2.8771	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	10.2	0.065	0.144	9.2005	
480 minute winter	S25	2.000	S16	-7.5	-0.047	-0.107	7.3393	
480 minute winter	S16	1.001	S145	22.2	0.153	0.311	15.0038	
480 minute winter	S145	1.002	S75	29.5	0.194	0.418	15.0038	
480 minute winter	S4	3.000	S5	11.3	0.090	0.160	13.1095	
480 minute winter	S5	3.001	S11	16.7	0.109	0.235	13.1095	
480 minute winter	S9	4.000	S10	-15.6	0.126	-0.222	8.0648	
480 minute winter	S10	4.001	S11	5.9	0.102	0.078	1.3780	
480 minute winter	S11	3.002	S12	21.7	0.137	0.308	2.8740	
480 minute winter	S12	3.003	S15	20.8	0.131	0.302	3.6838	
480 minute winter	S1	5.000	S3	16.7	0.106	0.235	13.5151	
480 minute winter	S3	5.001	S2	15.8	0.168	0.223	9.1848	
480 minute winter	S2	5.002	S15	30.7	0.194	0.451	3.4165	
480 minute winter	S14	6.000	S15	13.7	0.086	0.194	11.8707	
480 minute winter	S15	3.004	S75	54.2	0.342	0.757	4.9661	
480 minute winter	S75	1.003	S92	79.8	0.504	1.121	5.3380	
480 minute winter	S87	7.000	S88	9.2	0.123	0.130	6.8747	
480 minute winter	S88	7.001	S89	12.9	0.164	0.181	6.8747	
480 minute winter	S89	7.002	S90	19.4	0.192	0.272	6.8747	
480 minute winter	S90	7.003	S92	25.7	0.205	0.364	8.6413	
480 minute winter	S92	1.005	S86	92.0	0.581	1.295	4.4095	
480 minute winter	S81	8.000	S82	6.4	0.121	0.090	6.8747	
480 minute winter	S82	8.001	S83	12.9	0.162	0.185	6.8747	
480 minute winter	S83	8.002	S84	19.3	0.189	0.271	6.8747	
480 minute winter	S84	8.003	S86	25.5	0.214	0.360	8.1975	
480 minute winter	S86	1.006	S30	100.7	0.636	1.419	4.4165	
480 minute winter	S76	9.000	S77	6.3	0.123	0.088	6.8747	
480 minute winter	S77	9.001	S78	12.8	0.162	0.179	6.8747	

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Results for 100 year +20% CC 480 minute winter. 1920 minute analysis at 8 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute winter	S78	280	0.550	0.911	19.4	2.9293	0.0000	SURCHARGED
480 minute winter	S79	280	0.549	0.931	25.7	2.9414	0.0000	SURCHARGED
480 minute winter	S30	280	0.547	0.954	112.2	2.4268	0.0000	SURCHARGED
480 minute winter	S31	264	0.503	0.839	6.9	2.7772	0.0000	SURCHARGED
480 minute winter	S32	264	0.502	0.881	12.9	2.7210	0.0000	SURCHARGED
480 minute winter	S33	264	0.501	0.924	120.4	2.3508	0.0000	SURCHARGED
480 minute winter	S34	264	0.444	0.883	122.6	1.5595	0.0000	SURCHARGED
480 minute winter	S35	264	0.353	0.819	122.3	1.4468	0.0000	SURCHARGED
480 minute winter	S36	264	0.322	0.764	2.8	1.3495	0.0000	SURCHARGED
480 minute winter	S37	264	0.322	0.793	135.0	3.8970	0.0000	SURCHARGED
480 minute winter	S38	264	0.143	0.659	135.0	1.1645	0.0000	SURCHARGED
480 minute winter	S39	280	-0.035	0.527	134.9	0.9318	0.0000	SURCHARGED
480 minute winter	S56	280	-0.066	0.493	0.4	0.8710	0.0000	SURCHARGED
480 minute winter	S57	280	-0.066	0.499	134.9	1.2698	0.0000	SURCHARGED
480 minute winter	S125	288	-0.131	0.424	1.1	0.7488	0.0000	OK
480 minute winter	S127	288	-0.131	0.448	134.9	1.1396	0.0000	OK
480 minute winter	S119	304	-0.192	0.377	1.4	0.6659	0.0000	OK
480 minute winter	S60	304	-0.192	0.401	134.9	1.0200	0.0000	OK
480 minute winter	Pond Inlet 1	568	-0.230	0.380	134.8	0.6723	0.0000	OK
480 minute winter	Pond Outlet	568	-0.230	0.380	67.5	0.4299	0.0000	SURCHARGED
480 minute winter	S13	1088	-0.230	0.408	0.3	1.4138	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	296	0.604	0.104	5.1	8.1349	0.0000	OK
480 minute winter	PP-S25	296	0.604	0.104	5.0	7.3616	0.0000	OK
480 minute winter	PP-S16	296	0.604	0.104	5.6	9.7451	0.0000	OK
480 minute winter	PP-S145	288	0.600	0.100	10.4	9.4614	0.0000	OK
480 minute winter	PP-S4	304	0.601	0.101	7.6	9.0302	0.0000	OK
480 minute winter	PP-S1	296	0.597	0.097	12.2	30.7890	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	19.3	0.184	0.277	6.8745	
480 minute winter	S79	9.003	S30	25.6	0.213	0.356	7.6907	
480 minute winter	S30	1.007	S33	111.7	0.705	1.570	5.0209	
480 minute winter	S31	10.000	S32	6.8	0.132	0.096	13.6740	
480 minute winter	S32	10.001	S33	12.8	0.155	0.179	13.6740	
480 minute winter	S33	1.008	S34	120.6	0.761	1.709	5.1108	
480 minute winter	S34	1.009	S35	121.8	0.769	1.716	8.5103	
480 minute winter	S35	1.010	S37	122.3	0.772	1.840	1.7947	
480 minute winter	S36	11.000	S37	2.8	0.041	0.039	9.1184	
480 minute winter	S37	1.011	S38	135.0	0.852	1.910	14.3287	
480 minute winter	S38	1.012	S39	134.9	0.852	1.889	14.3287	
480 minute winter	S39	1.013	S57	134.9	0.852	2.130	1.1814	
480 minute winter	S56	12.011	S57	-0.4	-0.099	-0.006	2.0645	
480 minute winter	S57	1.014	S127	134.9	0.852	1.908	4.4460	
480 minute winter	S125	21.003	S127	-1.1	-0.142	-0.016	7.7210	
480 minute winter	S127	1.015	S60	134.9	0.877	1.894	4.2553	
480 minute winter	S119	22.003	S60	-1.4	-0.091	-0.020	7.1736	
480 minute winter	S60	1.016	Pond Inlet 1	134.8	1.024	1.780	4.1945	
480 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	67.5	0.022	0.001	2031.6743	
480 minute winter	Pond Outlet	1.018	S13	0.3	0.185	0.004	0.4779	
480 minute winter	S13	Pump	Final Outfall	0.0				0.0
480 minute winter	PP-S26	1.000_1	S26	4.9	0.491	0.127	0.2338	
480 minute winter	PP-S25	2.000_1	S25	6.8	0.619	0.118	0.1215	
480 minute winter	PP-S16	3.000_1	S16	16.3	0.821	0.242	0.1320	
480 minute winter	PP-S145	4.000_2	S145	19.6	1.006	0.232	0.1419	
480 minute winter	PP-S4	1.000_2	S4	10.1	0.708	0.177	0.1328	
480 minute winter	PP-S1	4.000_1	S1	16.9	1.041	0.255	0.1283	

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Results for 100 year +20% CC 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	296	0.597	0.097	11.7	9.3316	0.0000	OK
480 minute winter	PP-S12	304	0.600	0.100	8.9	8.8859	0.0000	OK
480 minute winter	PP-S14	312	0.595	0.095	10.6	36.6240	0.0000	OK
480 minute winter	PP-S2	304	0.599	0.099	8.6	9.6909	0.0000	OK
480 minute winter	PP-S15	288	0.599	0.099	9.9	4.9954	0.0000	OK
480 minute winter	PP-S75	296	0.596	0.096	12.5	5.3206	0.0000	OK
480 minute winter	PP-S24	288	0.588	0.088	7.8	8.5516	0.0000	OK
480 minute winter	PP-S30	280	0.546	0.046	1.7	2.0467	0.0000	OK
480 minute winter	PP-S33	248	0.520	0.020	1.9	0.4047	0.0000	OK
480 minute winter	PP-S34	256	0.527	0.027	3.6	0.9912	0.0000	OK
480 minute winter	PP-S35	232	0.511	0.011	0.5	0.1403	0.0000	OK
480 minute winter	PP-S36	256	0.524	0.024	2.8	0.6033	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	21.5	0.954	0.291	0.1375	
480 minute winter	PP-S12	8.000_1	S12	13.9	0.819	0.153	0.1418	
480 minute winter	PP-S14	11.000_1	S14	22.4	1.217	0.270	0.1392	
480 minute winter	PP-S2	10.000_1	S2	20.7	0.908	0.227	0.1413	
480 minute winter	PP-S15	12.000_1	S15	19.7	0.880	0.209	0.1414	
480 minute winter	PP-S75	13.000_1	S75	14.2	0.890	0.143	0.1396	
480 minute winter	PP-S24	14.000_1	S92	22.2	1.203	0.216	0.1351	
480 minute winter	PP-S30	18.000_1	S30	4.3	0.947	0.039	0.1142	
480 minute winter	PP-S33	20.000_1	S33	1.9	1.027	0.016	0.1037	
480 minute winter	PP-S34	21.000_1	S34	3.6	1.274	0.030	0.0997	
480 minute winter	PP-S35	22.000_2	S35	0.5	0.757	0.004	0.0637	
480 minute winter	PP-S36	23.000_2	S36	2.8	1.207	0.024	0.0375	

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Results for 100 year +20% CC 600 minute summer. 2040 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
600 minute summer	S26	345	0.599	0.837	11.6	1.4798	0.0000	SURCHARGED
600 minute summer	S25	345	0.603	0.847	6.9	2.1566	0.0000	SURCHARGED
600 minute summer	S16	345	0.597	0.864	25.0	3.8291	0.0000	SURCHARGED
600 minute summer	S145	330	0.585	0.900	40.7	3.8771	0.0000	SURCHARGED
600 minute summer	S4	360	0.588	0.831	6.0	1.4687	0.0000	SURCHARGED
600 minute summer	S5	345	0.587	0.871	18.7	1.5394	0.0000	SURCHARGED
600 minute summer	S9	330	0.586	0.882	4.9	2.0322	0.0000	SURCHARGED
600 minute summer	S10	360	0.590	0.911	9.8	1.6099	0.0000	SURCHARGED
600 minute summer	S11	360	0.590	0.916	17.3	1.6192	0.0000	SURCHARGED
600 minute summer	S12	360	0.588	0.923	16.3	1.6315	0.0000	SURCHARGED
600 minute summer	S1	345	0.584	0.848	16.8	1.9973	0.0000	SURCHARGED
600 minute summer	S3	345	0.590	0.897	23.4	2.8675	0.0000	SURCHARGED
600 minute summer	S2	345	0.585	0.921	25.5	1.6267	0.0000	SURCHARGED
600 minute summer	S14	330	0.582	0.891	10.1	1.5746	0.0000	SURCHARGED
600 minute summer	S15	360	0.585	0.931	42.3	4.1900	0.0000	SURCHARGED
600 minute summer	S75	330	0.583	0.945	70.7	2.4039	0.0000	SURCHARGED
600 minute summer	S87	330	0.582	0.868	7.0	2.8143	0.0000	SURCHARGED
600 minute summer	S88	330	0.581	0.889	13.7	2.9002	0.0000	SURCHARGED
600 minute summer	S89	330	0.581	0.911	20.6	2.9520	0.0000	SURCHARGED
600 minute summer	S90	330	0.579	0.931	27.6	2.9655	0.0000	SURCHARGED
600 minute summer	S92	330	0.576	0.955	85.7	2.4305	0.0000	SURCHARGED
600 minute summer	S81	330	0.569	0.871	7.0	2.8126	0.0000	SURCHARGED
600 minute summer	S82	330	0.569	0.893	13.9	2.8984	0.0000	SURCHARGED
600 minute summer	S83	330	0.568	0.913	21.0	2.9485	0.0000	SURCHARGED
600 minute summer	S84	330	0.567	0.934	27.9	2.9621	0.0000	SURCHARGED
600 minute summer	S86	330	0.563	0.956	99.5	2.4342	0.0000	SURCHARGED
600 minute summer	S76	330	0.544	0.861	7.0	2.7684	0.0000	SURCHARGED
600 minute summer	S77	330	0.544	0.883	14.0	2.8543	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	9.6	0.061	0.136	9.2005	
600 minute summer	S25	2.000	S16	6.1	0.039	0.087	7.3393	
600 minute summer	S16	1.001	S145	24.4	0.154	0.342	15.0038	
600 minute summer	S145	1.002	S75	32.9	0.207	0.466	15.0038	
600 minute summer	S4	3.000	S5	10.1	0.083	0.143	13.1095	
600 minute summer	S5	3.001	S11	17.3	0.109	0.243	13.1095	
600 minute summer	S9	4.000	S10	9.1	0.111	0.130	8.0648	
600 minute summer	S10	4.001	S11	7.4	0.093	0.098	1.3780	
600 minute summer	S11	3.002	S12	14.2	0.090	0.201	2.8740	
600 minute summer	S12	3.003	S15	14.4	0.091	0.209	3.6838	
600 minute summer	S1	5.000	S3	19.1	0.120	0.268	13.5151	
600 minute summer	S3	5.001	S2	22.9	0.145	0.323	9.1848	
600 minute summer	S2	5.002	S15	23.5	0.148	0.344	3.4165	
600 minute summer	S14	6.000	S15	14.5	0.092	0.206	11.8707	
600 minute summer	S15	3.004	S75	49.7	0.314	0.695	4.9661	
600 minute summer	S75	1.003	S92	71.2	0.449	1.000	5.3380	
600 minute summer	S87	7.000	S88	6.6	0.111	0.093	6.8747	
600 minute summer	S88	7.001	S89	13.5	0.154	0.189	6.8747	
600 minute summer	S89	7.002	S90	20.6	0.176	0.289	6.8747	
600 minute summer	S90	7.003	S92	27.5	0.194	0.391	8.6413	
600 minute summer	S92	1.005	S86	87.4	0.552	1.230	4.4095	
600 minute summer	S81	8.000	S82	6.8	0.108	0.095	6.8747	
600 minute summer	S82	8.001	S83	13.9	0.152	0.199	6.8747	
600 minute summer	S83	8.002	S84	20.9	0.169	0.293	6.8747	
600 minute summer	S84	8.003	S86	27.7	0.205	0.391	8.1975	
600 minute summer	S86	1.006	S30	98.2	0.620	1.383	4.4165	
600 minute summer	S76	9.000	S77	6.9	0.109	0.097	6.8747	
600 minute summer	S77	9.001	S78	13.9	0.152	0.195	6.8747	

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Results for 100 year +20% CC 600 minute summer. 2040 minute analysis at 15 minute timestep. Mass balance: 99.94%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute summer	S78	330	0.544	0.905	21.0	2.9075	0.0000	SURCHARGED
600 minute summer	S79	330	0.542	0.924	27.8	2.9202	0.0000	SURCHARGED
600 minute summer	S30	330	0.540	0.947	110.7	2.4089	0.0000	SURCHARGED
600 minute summer	S31	330	0.496	0.832	7.5	2.7558	0.0000	SURCHARGED
600 minute summer	S32	330	0.496	0.875	14.0	2.7019	0.0000	SURCHARGED
600 minute summer	S33	330	0.495	0.918	119.3	2.3364	0.0000	SURCHARGED
600 minute summer	S34	315	0.438	0.877	121.5	1.5502	0.0000	SURCHARGED
600 minute summer	S35	315	0.350	0.816	122.2	1.4411	0.0000	SURCHARGED
600 minute summer	S36	315	0.319	0.761	3.0	1.3453	0.0000	SURCHARGED
600 minute summer	S37	315	0.319	0.790	135.2	3.8847	0.0000	SURCHARGED
600 minute summer	S38	315	0.140	0.656	135.1	1.1593	0.0000	SURCHARGED
600 minute summer	S39	330	-0.038	0.524	135.0	0.9258	0.0000	SURCHARGED
600 minute summer	S56	330	-0.069	0.490	0.8	0.8651	0.0000	SURCHARGED
600 minute summer	S57	330	-0.069	0.496	135.0	1.2612	0.0000	SURCHARGED
600 minute summer	S125	330	-0.135	0.420	1.3	0.7423	0.0000	OK
600 minute summer	S127	330	-0.135	0.444	135.0	1.1301	0.0000	OK
600 minute summer	S119	330	-0.199	0.370	1.1	0.6543	0.0000	OK
600 minute summer	S60	330	-0.199	0.394	134.8	1.0034	0.0000	OK
600 minute summer	Pond Inlet 1	735	-0.252	0.358	134.6	0.6320	0.0000	OK
600 minute summer	Pond Outlet	1245	-0.253	0.357	67.4	0.4043	0.0000	SURCHARGED
600 minute summer	S13	1545	-0.252	0.386	0.2	1.3354	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	0.596	0.096	5.2	7.3263	0.0000	OK
600 minute summer	PP-S25	345	0.597	0.097	4.8	6.7011	0.0000	OK
600 minute summer	PP-S16	345	0.588	0.088	5.0	7.0010	0.0000	OK
600 minute summer	PP-S145	330	0.585	0.085	10.5	6.8711	0.0000	OK
600 minute summer	PP-S4	345	0.590	0.090	5.3	7.3255	0.0000	OK
600 minute summer	PP-S1	345	0.587	0.087	10.7	27.2297	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	20.8	0.172	0.299	6.8745	
600 minute summer	S79	9.003	S30	27.7	0.197	0.386	7.6907	
600 minute summer	S30	1.007	S33	110.5	0.698	1.553	5.0209	
600 minute summer	S31	10.000	S32	7.4	0.121	0.104	13.6740	
600 minute summer	S32	10.001	S33	13.9	0.167	0.195	13.6740	
600 minute summer	S33	1.008	S34	119.3	0.753	1.692	5.1108	
600 minute summer	S34	1.009	S35	121.8	0.769	1.715	8.5103	
600 minute summer	S35	1.010	S37	122.2	0.771	1.839	1.7947	
600 minute summer	S36	11.000	S37	3.0	0.048	0.042	9.1184	
600 minute summer	S37	1.011	S38	135.1	0.853	1.912	14.3287	
600 minute summer	S38	1.012	S39	135.0	0.852	1.890	14.3287	
600 minute summer	S39	1.013	S57	135.0	0.852	2.131	1.1814	
600 minute summer	S56	12.011	S57	-0.8	-0.125	-0.011	2.0645	
600 minute summer	S57	1.014	S127	135.0	0.852	1.908	4.4428	
600 minute summer	S125	21.003	S127	-1.3	-0.027	-0.018	7.6951	
600 minute summer	S127	1.015	S60	134.8	0.880	1.893	4.2264	
600 minute summer	S119	22.003	S60	-1.1	-0.065	-0.016	7.0725	
600 minute summer	S60	1.016	Pond Inlet 1	134.6	1.023	1.777	4.0172	
600 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	67.4	0.018	0.001	1903.4053	
600 minute summer	Pond Outlet	1.018	S13	0.2	0.159	0.003	0.4779	
600 minute summer	S13	Pump	Final Outfall	0.0				0.0
600 minute summer	PP-S26	1.000_1	S26	6.9	0.508	0.180	0.2265	
600 minute summer	PP-S25	2.000_1	S25	6.9	0.643	0.121	0.1189	
600 minute summer	PP-S16	3.000_1	S16	17.7	0.856	0.262	0.1211	
600 minute summer	PP-S145	4.000_2	S145	11.9	1.048	0.140	0.1323	
600 minute summer	PP-S4	1.000_2	S4	6.0	0.739	0.106	0.1050	
600 minute summer	PP-S1	4.000_1	S1	15.1	0.985	0.228	0.1133	

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Results for 100 year +20% CC 600 minute summer. 2040 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
600 minute summer	PP-S5	345	0.591	0.091	6.4	8.1834	0.0000	OK
600 minute summer	PP-S12	330	0.584	0.084	11.1	7.1477	0.0000	OK
600 minute summer	PP-S14	360	0.578	0.078	10.1	25.9007	0.0000	OK
600 minute summer	PP-S2	345	0.587	0.087	4.8	8.4075	0.0000	OK
600 minute summer	PP-S15	345	0.584	0.084	9.5	4.1212	0.0000	OK
600 minute summer	PP-S75	330	0.583	0.083	3.4	4.4786	0.0000	OK
600 minute summer	PP-S24	330	0.575	0.075	5.9	6.6342	0.0000	OK
600 minute summer	PP-S30	330	0.540	0.040	2.2	1.6530	0.0000	OK
600 minute summer	PP-S33	315	0.521	0.021	2.0	0.4316	0.0000	OK
600 minute summer	PP-S34	315	0.528	0.028	3.9	1.0688	0.0000	OK
600 minute summer	PP-S35	315	0.511	0.011	0.6	0.1630	0.0000	OK
600 minute summer	PP-S36	315	0.525	0.025	3.0	0.6455	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	15.8	0.996	0.213	0.1260	
600 minute summer	PP-S12	8.000_1	S12	15.4	0.857	0.169	0.1332	
600 minute summer	PP-S14	11.000_1	S14	-10.0	1.042	-0.121	0.1214	
600 minute summer	PP-S2	10.000_1	S2	9.1	0.945	0.100	0.1350	
600 minute summer	PP-S15	12.000_1	S15	-8.5	0.917	-0.090	0.1333	
600 minute summer	PP-S75	13.000_1	S75	4.2	0.936	0.043	0.1325	
600 minute summer	PP-S24	14.000_1	S92	5.6	1.259	0.054	0.1285	
600 minute summer	PP-S30	18.000_1	S30	2.9	1.000	0.026	0.1112	
600 minute summer	PP-S33	20.000_1	S33	2.0	1.071	0.018	0.1040	
600 minute summer	PP-S34	21.000_1	S34	3.9	1.329	0.033	0.0983	
600 minute summer	PP-S35	22.000_2	S35	0.6	0.789	0.005	0.0621	
600 minute summer	PP-S36	23.000_2	S36	3.0	1.239	0.025	0.0366	

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Results for 100 year +20% CC 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	375	0.580	0.818	5.4	1.4453	0.0000	SURCHARGED
600 minute winter	S25	345	0.564	0.808	4.8	2.0556	0.0000	SURCHARGED
600 minute winter	S16	345	0.564	0.831	17.0	3.6847	0.0000	SURCHARGED
600 minute winter	S145	345	0.560	0.875	30.2	3.7679	0.0000	SURCHARGED
600 minute winter	S4	330	0.562	0.805	5.3	1.4226	0.0000	SURCHARGED
600 minute winter	S5	330	0.555	0.839	9.6	1.4834	0.0000	SURCHARGED
600 minute winter	S9	345	0.570	0.866	6.6	1.9952	0.0000	SURCHARGED
600 minute winter	S10	345	0.559	0.880	2.8	1.5545	0.0000	SURCHARGED
600 minute winter	S11	345	0.558	0.884	10.5	1.5622	0.0000	SURCHARGED
600 minute winter	S12	345	0.559	0.894	15.2	1.5800	0.0000	SURCHARGED
600 minute winter	S1	360	0.582	0.846	10.0	1.9920	0.0000	SURCHARGED
600 minute winter	S3	360	0.584	0.891	17.0	2.8485	0.0000	SURCHARGED
600 minute winter	S2	345	0.564	0.900	18.6	1.5901	0.0000	SURCHARGED
600 minute winter	S14	360	0.570	0.879	11.9	1.5540	0.0000	SURCHARGED
600 minute winter	S15	345	0.562	0.908	40.6	4.0876	0.0000	SURCHARGED
600 minute winter	S75	345	0.561	0.923	67.5	2.3500	0.0000	SURCHARGED
600 minute winter	S87	360	0.555	0.841	5.3	2.7280	0.0000	SURCHARGED
600 minute winter	S88	345	0.558	0.866	10.6	2.8256	0.0000	SURCHARGED
600 minute winter	S89	345	0.559	0.889	15.9	2.8802	0.0000	SURCHARGED
600 minute winter	S90	345	0.558	0.910	20.9	2.8988	0.0000	SURCHARGED
600 minute winter	S92	345	0.553	0.932	79.1	2.3729	0.0000	SURCHARGED
600 minute winter	S81	345	0.537	0.839	5.3	2.7080	0.0000	SURCHARGED
600 minute winter	S82	345	0.538	0.862	10.8	2.7981	0.0000	SURCHARGED
600 minute winter	S83	345	0.538	0.883	16.1	2.8512	0.0000	SURCHARGED
600 minute winter	S84	345	0.539	0.906	21.2	2.8735	0.0000	SURCHARGED
600 minute winter	S86	345	0.537	0.930	91.9	2.3670	0.0000	SURCHARGED
600 minute winter	S76	345	0.510	0.827	5.3	2.6583	0.0000	SURCHARGED
600 minute winter	S77	330	0.510	0.849	10.8	2.7434	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	5.6	0.042	0.079	9.2005	
600 minute winter	S25	2.000	S16	4.6	0.038	0.065	7.3393	
600 minute winter	S16	1.001	S145	14.0	0.152	0.197	15.0038	
600 minute winter	S145	1.002	S75	25.6	0.185	0.362	15.0038	
600 minute winter	S4	3.000	S5	7.6	0.091	0.108	13.1095	
600 minute winter	S5	3.001	S11	7.8	0.114	0.110	13.1095	
600 minute winter	S9	4.000	S10	-5.3	0.102	-0.075	8.0648	
600 minute winter	S10	4.001	S11	-2.8	0.071	-0.037	1.3780	
600 minute winter	S11	3.002	S12	10.8	0.068	0.153	2.8740	
600 minute winter	S12	3.003	S15	13.5	0.085	0.197	3.6838	
600 minute winter	S1	5.000	S3	13.3	0.106	0.187	13.5151	
600 minute winter	S3	5.001	S2	17.4	0.139	0.246	9.1848	
600 minute winter	S2	5.002	S15	14.0	0.088	0.205	3.4165	
600 minute winter	S14	6.000	S15	10.8	0.068	0.153	11.8707	
600 minute winter	S15	3.004	S75	40.4	0.255	0.565	4.9661	
600 minute winter	S75	1.003	S92	62.7	0.396	0.881	5.3380	
600 minute winter	S87	7.000	S88	5.1	0.117	0.072	6.8747	
600 minute winter	S88	7.001	S89	10.4	0.155	0.145	6.8747	
600 minute winter	S89	7.002	S90	15.6	0.167	0.218	6.8747	
600 minute winter	S90	7.003	S92	20.6	0.172	0.292	8.6413	
600 minute winter	S92	1.005	S86	77.4	0.489	1.090	4.4095	
600 minute winter	S81	8.000	S82	5.3	0.115	0.074	6.8747	
600 minute winter	S82	8.001	S83	10.6	0.150	0.153	6.8747	
600 minute winter	S83	8.002	S84	15.9	0.151	0.223	6.8747	
600 minute winter	S84	8.003	S86	21.0	0.184	0.296	8.1975	
600 minute winter	S86	1.006	S30	92.0	0.580	1.295	4.4165	
600 minute winter	S76	9.000	S77	5.6	0.116	0.078	6.8747	
600 minute winter	S77	9.001	S78	10.7	0.147	0.151	6.8747	

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Results for 100 year +20% CC 600 minute winter. 2040 minute analysis at 15 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute winter	S78	330	0.510	0.871	16.2	2.7991	0.0000	SURCHARGED
600 minute winter	S79	345	0.509	0.891	21.4	2.8157	0.0000	SURCHARGED
600 minute winter	S30	345	0.509	0.916	107.1	2.3302	0.0000	SURCHARGED
600 minute winter	S31	330	0.463	0.799	5.7	2.6451	0.0000	SURCHARGED
600 minute winter	S32	330	0.462	0.841	10.7	2.5980	0.0000	SURCHARGED
600 minute winter	S33	330	0.462	0.885	117.2	2.2526	0.0000	SURCHARGED
600 minute winter	S34	330	0.406	0.845	119.9	1.4933	0.0000	SURCHARGED
600 minute winter	S35	330	0.317	0.783	120.1	1.3829	0.0000	SURCHARGED
600 minute winter	S36	330	0.287	0.729	2.3	1.2877	0.0000	SURCHARGED
600 minute winter	S37	330	0.286	0.757	130.8	3.7232	0.0000	SURCHARGED
600 minute winter	S38	330	0.119	0.635	130.8	1.1215	0.0000	SURCHARGED
600 minute winter	S39	345	-0.049	0.513	130.9	0.9072	0.0000	SURCHARGED
600 minute winter	S56	345	-0.078	0.481	0.2	0.8500	0.0000	SURCHARGED
600 minute winter	S57	345	-0.078	0.487	130.9	1.2395	0.0000	SURCHARGED
600 minute winter	S125	360	-0.139	0.416	1.2	0.7353	0.0000	OK
600 minute winter	S127	360	-0.139	0.440	131.0	1.1200	0.0000	OK
600 minute winter	S119	390	-0.195	0.374	0.8	0.6609	0.0000	OK
600 minute winter	S60	390	-0.195	0.398	130.9	1.0132	0.0000	OK
600 minute winter	Pond Inlet 1	660	-0.215	0.395	130.8	0.6978	0.0000	OK
600 minute winter	Pond Outlet	660	-0.215	0.395	65.5	0.4465	0.0000	SURCHARGED
600 minute winter	S13	855	-0.215	0.423	0.3	1.4645	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	360	0.562	0.062	3.7	3.5359	0.0000	OK
600 minute winter	PP-S25	345	0.560	0.060	2.7	3.1880	0.0000	OK
600 minute winter	PP-S16	360	0.558	0.058	6.0	3.1077	0.0000	OK
600 minute winter	PP-S145	330	0.559	0.059	3.0	3.3741	0.0000	OK
600 minute winter	PP-S4	345	0.560	0.060	6.4	3.3201	0.0000	OK
600 minute winter	PP-S1	345	0.558	0.058	8.7	16.9717	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	16.1	0.141	0.232	6.8745	
600 minute winter	S79	9.003	S30	21.3	0.183	0.296	7.6907	
600 minute winter	S30	1.007	S33	107.7	0.680	1.513	5.0209	
600 minute winter	S31	10.000	S32	5.8	0.124	0.081	13.6740	
600 minute winter	S32	10.001	S33	10.6	0.133	0.148	13.6740	
600 minute winter	S33	1.008	S34	117.2	0.740	1.661	5.1108	
600 minute winter	S34	1.009	S35	119.7	0.755	1.685	8.5103	
600 minute winter	S35	1.010	S37	120.0	0.757	1.805	1.7947	
600 minute winter	S36	11.000	S37	2.4	0.043	0.034	9.1184	
600 minute winter	S37	1.011	S38	130.8	0.825	1.851	14.3287	
600 minute winter	S38	1.012	S39	130.9	0.826	1.832	14.3287	
600 minute winter	S39	1.013	S57	130.9	0.826	2.066	1.1814	
600 minute winter	S56	12.011	S57	-0.2	-0.051	-0.004	2.0645	
600 minute winter	S57	1.014	S127	131.0	0.827	1.851	4.4359	
600 minute winter	S125	21.003	S127	-1.2	-0.089	-0.018	7.6616	
600 minute winter	S127	1.015	S60	130.9	0.859	1.837	4.2306	
600 minute winter	S119	22.003	S60	-0.8	-0.132	-0.012	7.1318	
600 minute winter	S60	1.016	Pond Inlet 1	130.8	0.994	1.728	4.3193	
600 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	65.5	0.020	0.001	2115.3975	
600 minute winter	Pond Outlet	1.018	S13	0.3	0.170	0.004	0.4779	
600 minute winter	S13	Pump	Final Outfall	0.0				0.0
600 minute winter	PP-S26	1.000_1	S26	4.6	0.482	0.120	0.1627	
600 minute winter	PP-S25	2.000_1	S25	3.1	0.611	0.054	0.0778	
600 minute winter	PP-S16	3.000_1	S16	8.7	0.807	0.129	0.0885	
600 minute winter	PP-S145	4.000_2	S145	10.9	0.969	0.129	0.1093	
600 minute winter	PP-S4	1.000_2	S4	5.3	0.696	0.093	0.0729	
600 minute winter	PP-S1	4.000_1	S1	8.4	0.973	0.126	0.0969	

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Results for 100 year +20% CC 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	360	0.557	0.057	4.9	3.2594	0.0000	OK
600 minute winter	PP-S12	330	0.557	0.057	1.3	4.1870	0.0000	OK
600 minute winter	PP-S14	360	0.557	0.057	5.4	14.0111	0.0000	OK
600 minute winter	PP-S2	345	0.561	0.061	6.4	5.4859	0.0000	OK
600 minute winter	PP-S15	345	0.562	0.062	3.7	2.8103	0.0000	OK
600 minute winter	PP-S75	345	0.559	0.059	5.1	2.9493	0.0000	OK
600 minute winter	PP-S24	345	0.547	0.047	4.1	2.6711	0.0000	OK
600 minute winter	PP-S30	300	0.517	0.017	1.3	0.3660	0.0000	OK
600 minute winter	PP-S33	300	0.518	0.018	1.5	0.3350	0.0000	OK
600 minute winter	PP-S34	300	0.525	0.025	3.0	0.8581	0.0000	OK
600 minute winter	PP-S35	315	0.511	0.011	0.5	0.1388	0.0000	OK
600 minute winter	PP-S36	300	0.522	0.022	2.3	0.5170	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	9.6	0.917	0.130	0.0931	
600 minute winter	PP-S12	8.000_1	S12	9.1	0.786	0.100	0.1164	
600 minute winter	PP-S14	11.000_1	S14	11.9	0.918	0.144	0.1119	
600 minute winter	PP-S2	10.000_1	S2	5.1	0.881	0.056	0.1201	
600 minute winter	PP-S15	12.000_1	S15	7.9	0.849	0.084	0.1217	
600 minute winter	PP-S75	13.000_1	S75	9.1	0.855	0.092	0.1203	
600 minute winter	PP-S24	14.000_1	S92	10.0	1.155	0.097	0.1145	
600 minute winter	PP-S30	18.000_1	S30	1.3	0.923	0.012	0.1029	
600 minute winter	PP-S33	20.000_1	S33	1.5	0.986	0.013	0.0974	
600 minute winter	PP-S34	21.000_1	S34	3.1	1.228	0.026	0.0824	
600 minute winter	PP-S35	22.000_2	S35	0.5	0.748	0.004	0.0433	
600 minute winter	PP-S36	23.000_2	S36	2.3	1.160	0.019	0.0192	

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Results for 100 year +20% CC 720 minute summer. 2160 minute analysis at 15 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
720 minute summer	S26	405	0.562	0.800	4.7	1.4143	0.0000	SURCHARGED
720 minute summer	S25	405	0.595	0.839	9.4	2.1348	0.0000	SURCHARGED
720 minute summer	S16	405	0.575	0.842	15.4	3.7334	0.0000	SURCHARGED
720 minute summer	S145	405	0.572	0.887	29.3	3.8187	0.0000	SURCHARGED
720 minute summer	S4	420	0.597	0.840	7.2	1.4851	0.0000	SURCHARGED
720 minute summer	S5	405	0.574	0.858	11.1	1.5160	0.0000	SURCHARGED
720 minute summer	S9	420	0.571	0.867	6.2	1.9977	0.0000	SURCHARGED
720 minute summer	S10	390	0.565	0.886	8.3	1.5656	0.0000	SURCHARGED
720 minute summer	S11	390	0.564	0.890	12.2	1.5725	0.0000	SURCHARGED
720 minute summer	S12	390	0.561	0.896	17.0	1.5833	0.0000	SURCHARGED
720 minute summer	S1	405	0.568	0.832	12.2	1.9604	0.0000	SURCHARGED
720 minute summer	S3	420	0.568	0.875	15.3	2.7983	0.0000	SURCHARGED
720 minute summer	S2	390	0.562	0.898	16.7	1.5871	0.0000	SURCHARGED
720 minute summer	S14	420	0.590	0.899	6.9	1.5879	0.0000	SURCHARGED
720 minute summer	S15	390	0.564	0.910	50.8	4.0963	0.0000	SURCHARGED
720 minute summer	S75	390	0.565	0.927	65.4	2.3584	0.0000	SURCHARGED
720 minute summer	S87	390	0.557	0.843	6.1	2.7338	0.0000	SURCHARGED
720 minute summer	S88	390	0.556	0.864	12.0	2.8179	0.0000	SURCHARGED
720 minute summer	S89	390	0.557	0.887	18.1	2.8747	0.0000	SURCHARGED
720 minute summer	S90	390	0.556	0.908	23.9	2.8923	0.0000	SURCHARGED
720 minute summer	S92	390	0.555	0.934	80.3	2.3781	0.0000	SURCHARGED
720 minute summer	S81	390	0.544	0.846	6.1	2.7306	0.0000	SURCHARGED
720 minute summer	S82	390	0.542	0.866	12.1	2.8113	0.0000	SURCHARGED
720 minute summer	S83	390	0.542	0.887	18.3	2.8625	0.0000	SURCHARGED
720 minute summer	S84	390	0.541	0.908	24.2	2.8792	0.0000	SURCHARGED
720 minute summer	S86	390	0.539	0.932	95.1	2.3717	0.0000	SURCHARGED
720 minute summer	S76	390	0.518	0.835	6.1	2.6839	0.0000	SURCHARGED
720 minute summer	S77	390	0.517	0.856	12.5	2.7670	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	4.2	0.044	0.059	9.2005	
720 minute summer	S25	2.000	S16	7.5	0.048	0.107	7.3393	
720 minute summer	S16	1.001	S145	13.3	0.141	0.186	15.0038	
720 minute summer	S145	1.002	S75	27.1	0.189	0.385	15.0038	
720 minute summer	S4	3.000	S5	9.9	0.082	0.141	13.1095	
720 minute summer	S5	3.001	S11	8.6	0.105	0.121	13.1095	
720 minute summer	S9	4.000	S10	5.3	0.111	0.075	8.0648	
720 minute summer	S10	4.001	S11	-8.3	0.100	-0.110	1.3780	
720 minute summer	S11	3.002	S12	9.5	0.060	0.135	2.8740	
720 minute summer	S12	3.003	S15	21.2	0.134	0.308	3.6838	
720 minute summer	S1	5.000	S3	11.2	0.093	0.157	13.5151	
720 minute summer	S3	5.001	S2	15.6	0.137	0.220	9.1848	
720 minute summer	S2	5.002	S15	19.6	0.124	0.287	3.4165	
720 minute summer	S14	6.000	S15	-6.9	-0.055	-0.099	11.8707	
720 minute summer	S15	3.004	S75	41.6	0.263	0.581	4.9661	
720 minute summer	S75	1.003	S92	64.9	0.410	0.913	5.3380	
720 minute summer	S87	7.000	S88	5.8	0.112	0.082	6.8747	
720 minute summer	S88	7.001	S89	11.8	0.152	0.165	6.8747	
720 minute summer	S89	7.002	S90	17.8	0.165	0.250	6.8747	
720 minute summer	S90	7.003	S92	23.6	0.189	0.335	8.6413	
720 minute summer	S92	1.005	S86	80.8	0.510	1.137	4.4095	
720 minute summer	S81	8.000	S82	5.8	0.111	0.082	6.8747	
720 minute summer	S82	8.001	S83	12.0	0.150	0.172	6.8747	
720 minute summer	S83	8.002	S84	18.1	0.157	0.254	6.8747	
720 minute summer	S84	8.003	S86	24.0	0.203	0.338	8.1975	
720 minute summer	S86	1.006	S30	93.6	0.591	1.318	4.4165	
720 minute summer	S76	9.000	S77	6.2	0.112	0.086	6.8747	
720 minute summer	S77	9.001	S78	12.3	0.151	0.173	6.8747	

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Results for 100 year +20% CC 720 minute summer. 2160 minute analysis at 15 minute timestep. Mass balance: 99.95%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute summer	S78	390	0.516	0.877	18.6	2.8199	0.0000	SURCHARGED
720 minute summer	S79	390	0.516	0.898	24.6	2.8354	0.0000	SURCHARGED
720 minute summer	S30	390	0.513	0.920	109.8	2.3416	0.0000	SURCHARGED
720 minute summer	S31	390	0.470	0.806	6.6	2.6685	0.0000	SURCHARGED
720 minute summer	S32	390	0.469	0.848	12.5	2.6184	0.0000	SURCHARGED
720 minute summer	S33	390	0.469	0.892	117.0	2.2694	0.0000	SURCHARGED
720 minute summer	S34	390	0.412	0.851	119.6	1.5042	0.0000	SURCHARGED
720 minute summer	S35	375	0.324	0.790	120.0	1.3960	0.0000	SURCHARGED
720 minute summer	S36	375	0.294	0.736	2.7	1.3007	0.0000	SURCHARGED
720 minute summer	S37	375	0.294	0.765	132.7	3.7609	0.0000	SURCHARGED
720 minute summer	S38	390	0.122	0.638	132.5	1.1282	0.0000	SURCHARGED
720 minute summer	S39	390	-0.047	0.515	132.6	0.9093	0.0000	SURCHARGED
720 minute summer	S56	390	-0.077	0.482	0.3	0.8509	0.0000	SURCHARGED
720 minute summer	S57	390	-0.077	0.488	132.5	1.2407	0.0000	SURCHARGED
720 minute summer	S125	390	-0.140	0.415	0.6	0.7327	0.0000	OK
720 minute summer	S127	390	-0.140	0.439	132.4	1.1165	0.0000	OK
720 minute summer	S119	390	-0.202	0.367	1.0	0.6482	0.0000	OK
720 minute summer	S60	390	-0.202	0.391	131.9	0.9947	0.0000	OK
720 minute summer	Pond Inlet 1	765	-0.241	0.369	131.7	0.6519	0.0000	OK
720 minute summer	Pond Outlet	1755	-0.241	0.369	66.0	0.4169	0.0000	SURCHARGED
720 minute summer	S13	1995	-0.241	0.397	0.1	1.3741	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	390	0.567	0.067	2.9	4.0653	0.0000	OK
720 minute summer	PP-S25	390	0.566	0.066	9.8	3.6771	0.0000	OK
720 minute summer	PP-S16	405	0.561	0.061	6.6	3.4532	0.0000	OK
720 minute summer	PP-S145	390	0.564	0.064	3.9	3.9917	0.0000	OK
720 minute summer	PP-S4	390	0.563	0.063	3.2	3.5799	0.0000	OK
720 minute summer	PP-S1	405	0.560	0.060	8.4	17.8846	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	18.5	0.157	0.266	6.8745	
720 minute summer	S79	9.003	S30	24.6	0.204	0.343	7.6907	
720 minute summer	S30	1.007	S33	107.3	0.678	1.508	5.0209	
720 minute summer	S31	10.000	S32	6.7	0.118	0.095	13.6740	
720 minute summer	S32	10.001	S33	12.3	0.155	0.173	13.6740	
720 minute summer	S33	1.008	S34	116.8	0.737	1.655	5.1108	
720 minute summer	S34	1.009	S35	119.6	0.755	1.684	8.5103	
720 minute summer	S35	1.010	S37	120.1	0.758	1.807	1.7947	
720 minute summer	S36	11.000	S37	2.8	0.036	0.039	9.1184	
720 minute summer	S37	1.011	S38	132.5	0.837	1.876	14.3287	
720 minute summer	S38	1.012	S39	132.6	0.837	1.855	14.3287	
720 minute summer	S39	1.013	S57	132.5	0.837	2.092	1.1814	
720 minute summer	S56	12.011	S57	-0.3	-0.132	-0.004	2.0645	
720 minute summer	S57	1.014	S127	132.4	0.836	1.872	4.4335	
720 minute summer	S125	21.003	S127	-0.6	-0.034	-0.008	7.6484	
720 minute summer	S127	1.015	S60	131.9	0.869	1.852	4.2029	
720 minute summer	S119	22.003	S60	-1.0	-0.117	-0.014	7.0179	
720 minute summer	S60	1.016	Pond Inlet 1	131.7	1.006	1.739	4.0604	
720 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	66.0	0.017	0.001	1966.6349	
720 minute summer	Pond Outlet	1.018	S13	0.1	0.163	0.002	0.4779	
720 minute summer	S13	Pump	Final Outfall	0.0				0.0
720 minute summer	PP-S26	1.000_1	S26	4.7	0.488	0.121	0.1522	
720 minute summer	PP-S25	2.000_1	S25	9.4	0.625	0.163	0.0940	
720 minute summer	PP-S16	3.000_1	S16	-4.1	0.829	-0.061	0.0968	
720 minute summer	PP-S145	4.000_2	S145	10.4	1.017	0.123	0.1150	
720 minute summer	PP-S4	1.000_2	S4	7.2	0.714	0.127	0.0921	
720 minute summer	PP-S1	4.000_1	S1	10.5	0.962	0.159	0.0913	

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Results for 100 year +20% CC 720 minute summer. 2160 minute analysis at 15 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
720 minute summer	PP-S5	405	0.554	0.054	8.2	2.9897	0.0000	OK
720 minute summer	PP-S12	405	0.561	0.061	4.4	4.5727	0.0000	OK
720 minute summer	PP-S14	405	0.553	0.053	6.1	12.0399	0.0000	OK
720 minute summer	PP-S2	405	0.563	0.063	5.8	5.6447	0.0000	OK
720 minute summer	PP-S15	405	0.563	0.063	8.7	2.8327	0.0000	OK
720 minute summer	PP-S75	390	0.556	0.056	5.8	2.7241	0.0000	OK
720 minute summer	PP-S24	390	0.553	0.053	4.0	3.3923	0.0000	OK
720 minute summer	PP-S30	375	0.518	0.018	1.5	0.4145	0.0000	OK
720 minute summer	PP-S33	375	0.520	0.020	1.8	0.3931	0.0000	OK
720 minute summer	PP-S34	375	0.527	0.027	3.5	0.9718	0.0000	OK
720 minute summer	PP-S35	375	0.511	0.011	0.5	0.1392	0.0000	OK
720 minute summer	PP-S36	375	0.524	0.024	2.7	0.5919	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	9.6	0.963	0.129	0.1012	
720 minute summer	PP-S12	8.000_1	S12	13.6	0.830	0.150	0.1186	
720 minute summer	PP-S14	11.000_1	S14	-6.0	0.916	-0.073	0.1152	
720 minute summer	PP-S2	10.000_1	S2	8.7	0.914	0.095	0.1192	
720 minute summer	PP-S15	12.000_1	S15	-7.3	0.891	-0.078	0.1212	
720 minute summer	PP-S75	13.000_1	S75	13.5	0.903	0.137	0.1186	
720 minute summer	PP-S24	14.000_1	S92	8.4	1.216	0.082	0.1173	
720 minute summer	PP-S30	18.000_1	S30	1.5	0.966	0.013	0.1032	
720 minute summer	PP-S33	20.000_1	S33	1.8	1.041	0.016	0.0997	
720 minute summer	PP-S34	21.000_1	S34	3.5	1.289	0.030	0.0861	
720 minute summer	PP-S35	22.000_2	S35	0.5	0.748	0.004	0.0476	
720 minute summer	PP-S36	23.000_2	S36	2.7	1.202	0.023	0.0233	

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Results for 100 year +20% 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	405	0.512	0.750	1.5	1.3251	0.0000	SURCHARGED
720 minute winter	S25	405	0.511	0.755	1.3	1.9218	0.0000	SURCHARGED
720 minute winter	S16	405	0.512	0.779	10.1	3.4528	0.0000	SURCHARGED
720 minute winter	S145	405	0.511	0.826	20.4	3.5551	0.0000	SURCHARGED
720 minute winter	S4	405	0.510	0.753	2.0	1.3302	0.0000	SURCHARGED
720 minute winter	S5	405	0.510	0.794	4.9	1.4027	0.0000	SURCHARGED
720 minute winter	S9	405	0.510	0.806	1.7	1.8569	0.0000	SURCHARGED
720 minute winter	S10	405	0.510	0.831	1.6	1.4681	0.0000	SURCHARGED
720 minute winter	S11	405	0.510	0.836	6.6	1.4768	0.0000	SURCHARGED
720 minute winter	S12	405	0.510	0.845	7.8	1.4925	0.0000	SURCHARGED
720 minute winter	S1	405	0.511	0.775	7.0	1.8254	0.0000	SURCHARGED
720 minute winter	S3	405	0.511	0.818	11.3	2.6145	0.0000	SURCHARGED
720 minute winter	S2	405	0.510	0.846	12.7	1.4946	0.0000	SURCHARGED
720 minute winter	S14	405	0.509	0.818	0.9	1.4460	0.0000	SURCHARGED
720 minute winter	S15	405	0.509	0.855	27.1	3.8501	0.0000	SURCHARGED
720 minute winter	S75	405	0.506	0.868	48.1	2.2103	0.0000	SURCHARGED
720 minute winter	S87	405	0.500	0.786	4.6	2.5491	0.0000	SURCHARGED
720 minute winter	S88	405	0.500	0.808	8.8	2.6340	0.0000	SURCHARGED
720 minute winter	S89	405	0.499	0.829	13.2	2.6880	0.0000	SURCHARGED
720 minute winter	S90	405	0.499	0.851	17.4	2.7088	0.0000	SURCHARGED
720 minute winter	S92	405	0.497	0.876	68.1	2.2284	0.0000	SURCHARGED
720 minute winter	S81	405	0.482	0.784	4.6	2.5329	0.0000	SURCHARGED
720 minute winter	S82	405	0.482	0.806	8.8	2.6182	0.0000	SURCHARGED
720 minute winter	S83	405	0.482	0.827	13.2	2.6695	0.0000	SURCHARGED
720 minute winter	S84	405	0.481	0.848	17.5	2.6902	0.0000	SURCHARGED
720 minute winter	S86	405	0.479	0.872	85.3	2.2201	0.0000	SURCHARGED
720 minute winter	S76	405	0.455	0.772	4.6	2.4825	0.0000	SURCHARGED
720 minute winter	S77	405	0.455	0.794	8.8	2.5673	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	1.8	0.050	0.025	9.2005	
720 minute winter	S25	2.000	S16	1.6	0.031	0.022	7.3393	
720 minute winter	S16	1.001	S145	10.0	0.142	0.140	15.0038	
720 minute winter	S145	1.002	S75	20.0	0.174	0.283	15.0038	
720 minute winter	S4	3.000	S5	2.2	0.085	0.032	13.1095	
720 minute winter	S5	3.001	S11	4.9	0.117	0.068	13.1095	
720 minute winter	S9	4.000	S10	1.6	0.102	0.023	8.0648	
720 minute winter	S10	4.001	S11	1.7	0.070	0.023	1.3780	
720 minute winter	S11	3.002	S12	7.2	0.050	0.102	2.8740	
720 minute winter	S12	3.003	S15	8.0	0.054	0.116	3.6838	
720 minute winter	S1	5.000	S3	6.9	0.104	0.096	13.5151	
720 minute winter	S3	5.001	S2	11.1	0.135	0.156	9.1848	
720 minute winter	S2	5.002	S15	12.5	0.084	0.184	3.4165	
720 minute winter	S14	6.000	S15	-0.8	-0.046	-0.012	11.8707	
720 minute winter	S15	3.004	S75	27.2	0.172	0.380	4.9661	
720 minute winter	S75	1.003	S92	48.2	0.304	0.677	5.3380	
720 minute winter	S87	7.000	S88	4.2	0.108	0.059	6.8747	
720 minute winter	S88	7.001	S89	8.6	0.148	0.121	6.8747	
720 minute winter	S89	7.002	S90	13.0	0.173	0.183	6.8747	
720 minute winter	S90	7.003	S92	17.3	0.162	0.245	8.6413	
720 minute winter	S92	1.005	S86	68.2	0.430	0.959	4.4095	
720 minute winter	S81	8.000	S82	4.2	0.107	0.059	6.8747	
720 minute winter	S82	8.001	S83	8.6	0.146	0.124	6.8747	
720 minute winter	S83	8.002	S84	13.1	0.162	0.183	6.8747	
720 minute winter	S84	8.003	S86	17.3	0.170	0.243	8.1975	
720 minute winter	S86	1.006	S30	85.4	0.539	1.202	4.4165	
720 minute winter	S76	9.000	S77	4.2	0.108	0.059	6.8747	
720 minute winter	S77	9.001	S78	8.7	0.145	0.121	6.8747	

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Results for 100 year +20% CC 720 minute winter. 2160 minute analysis at 15 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute winter	S78	405	0.455	0.816	13.3	2.6217	0.0000	SURCHARGED
720 minute winter	S79	405	0.454	0.836	17.5	2.6405	0.0000	SURCHARGED
720 minute winter	S30	405	0.452	0.859	103.5	2.1866	0.0000	SURCHARGED
720 minute winter	S31	405	0.409	0.745	5.0	2.4676	0.0000	SURCHARGED
720 minute winter	S32	405	0.409	0.788	9.0	2.4330	0.0000	SURCHARGED
720 minute winter	S33	405	0.408	0.831	113.3	2.1155	0.0000	SURCHARGED
720 minute winter	S34	405	0.355	0.794	115.7	1.4029	0.0000	SURCHARGED
720 minute winter	S35	405	0.271	0.737	116.1	1.3031	0.0000	SURCHARGED
720 minute winter	S36	405	0.243	0.685	2.0	1.2103	0.0000	SURCHARGED
720 minute winter	S37	405	0.243	0.714	125.5	3.5098	0.0000	SURCHARGED
720 minute winter	S38	405	0.089	0.605	125.5	1.0682	0.0000	SURCHARGED
720 minute winter	S39	405	-0.066	0.496	125.5	0.8766	0.0000	SURCHARGED
720 minute winter	S56	405	-0.093	0.466	0.2	0.8233	0.0000	SURCHARGED
720 minute winter	S57	405	-0.093	0.472	125.5	1.2011	0.0000	SURCHARGED
720 minute winter	S125	405	-0.149	0.406	0.9	0.7181	0.0000	OK
720 minute winter	S127	405	-0.149	0.430	125.5	1.0954	0.0000	OK
720 minute winter	S119	915	-0.203	0.366	0.4	0.6461	0.0000	OK
720 minute winter	S60	1680	-0.203	0.390	125.5	0.9915	0.0000	OK
720 minute winter	Pond Inlet 1	810	-0.203	0.407	125.4	0.7184	0.0000	OK
720 minute winter	Pond Outlet	765	-0.203	0.407	62.8	0.4599	0.0000	SURCHARGED
720 minute winter	S13	765	-0.203	0.435	0.1	1.5055	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	0.530	0.030	1.5	0.8653	0.0000	OK
720 minute winter	PP-S25	375	0.524	0.024	1.3	0.5138	0.0000	OK
720 minute winter	PP-S16	375	0.528	0.028	2.2	0.7693	0.0000	OK
720 minute winter	PP-S145	375	0.528	0.028	2.6	0.7599	0.0000	OK
720 minute winter	PP-S4	375	0.529	0.029	2.0	0.8117	0.0000	OK
720 minute winter	PP-S1	390	0.543	0.043	5.2	11.7261	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	13.1	0.152	0.188	6.8745	
720 minute winter	S79	9.003	S30	17.3	0.173	0.241	7.6907	
720 minute winter	S30	1.007	S33	103.6	0.654	1.455	5.0209	
720 minute winter	S31	10.000	S32	4.6	0.121	0.066	13.6740	
720 minute winter	S32	10.001	S33	8.7	0.106	0.121	13.6740	
720 minute winter	S33	1.008	S34	113.3	0.715	1.606	5.1108	
720 minute winter	S34	1.009	S35	115.7	0.730	1.629	8.5103	
720 minute winter	S35	1.010	S37	116.1	0.733	1.748	1.7947	
720 minute winter	S36	11.000	S37	1.9	-0.046	0.026	9.1184	
720 minute winter	S37	1.011	S38	125.5	0.792	1.776	14.3287	
720 minute winter	S38	1.012	S39	125.5	0.792	1.756	14.3287	
720 minute winter	S39	1.013	S57	125.5	0.792	1.981	1.1814	
720 minute winter	S56	12.011	S57	-0.2	-0.015	-0.004	2.0645	
720 minute winter	S57	1.014	S127	125.5	0.793	1.775	4.4150	
720 minute winter	S125	21.003	S127	-0.9	-0.135	-0.013	7.5646	
720 minute winter	S127	1.015	S60	125.5	0.833	1.762	4.1713	
720 minute winter	S119	22.003	S60	-0.4	-0.030	-0.006	6.9980	
720 minute winter	S60	1.016	Pond Inlet 1	125.4	0.952	1.657	4.4237	
720 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	62.8	0.019	0.001	2183.5659	
720 minute winter	Pond Outlet	1.018	S13	0.1	0.135	0.002	0.4779	
720 minute winter	S13	Pump	Final Outfall	0.0				0.0
720 minute winter	PP-S26	1.000_1	S26	1.5	0.469	0.039	0.0641	
720 minute winter	PP-S25	2.000_1	S25	1.3	0.590	0.023	0.0324	
720 minute winter	PP-S16	3.000_1	S16	2.2	0.772	0.033	0.0469	
720 minute winter	PP-S145	4.000_2	S145	2.7	0.944	0.032	0.0721	
720 minute winter	PP-S4	1.000_2	S4	2.0	0.667	0.036	0.0332	
720 minute winter	PP-S1	4.000_1	S1	5.3	0.956	0.080	0.0510	

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Results for 100 year +20% 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	375	0.532	0.032	3.0	1.0450	0.0000	OK
720 minute winter	PP-S12	360	0.518	0.018	1.1	0.4452	0.0000	OK
720 minute winter	PP-S14	405	0.511	0.011	0.1	0.5298	0.0000	OK
720 minute winter	PP-S2	360	0.521	0.021	1.6	0.9736	0.0000	OK
720 minute winter	PP-S15	360	0.519	0.019	1.3	0.3460	0.0000	OK
720 minute winter	PP-S75	360	0.518	0.018	1.2	0.3650	0.0000	OK
720 minute winter	PP-S24	360	0.527	0.027	3.0	0.8942	0.0000	OK
720 minute winter	PP-S30	360	0.516	0.016	1.1	0.3208	0.0000	OK
720 minute winter	PP-S33	360	0.517	0.017	1.3	0.2995	0.0000	OK
720 minute winter	PP-S34	375	0.524	0.024	2.6	0.7633	0.0000	OK
720 minute winter	PP-S35	375	0.510	0.010	0.4	0.1160	0.0000	OK
720 minute winter	PP-S36	375	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)
720 minute winter	PP-S5	2.000_2	S5	3.0	0.901	0.040	0.0564	
720 minute winter	PP-S12	8.000_1	S12	1.1	0.773	0.012	0.0797	
720 minute winter	PP-S14	11.000_1	S14	0.4	0.419	0.005	0.0641	
720 minute winter	PP-S2	10.000_1	S2	1.6	0.866	0.018	0.0814	
720 minute winter	PP-S15	12.000_1	S15	1.3	0.829	0.014	0.0851	
720 minute winter	PP-S75	13.000_1	S75	1.2	0.841	0.012	0.0909	
720 minute winter	PP-S24	14.000_1	S92	3.0	1.129	0.030	0.0954	
720 minute winter	PP-S30	18.000_1	S30	1.1	0.889	0.010	0.0877	
720 minute winter	PP-S33	20.000_1	S33	1.3	0.953	0.011	0.0720	
720 minute winter	PP-S34	21.000_1	S34	2.7	1.196	0.023	0.0537	
720 minute winter	PP-S35	22.000_2	S35	0.4	0.715	0.003	0.0194	
720 minute winter	PP-S36	23.000_2	S36	2.0	1.118	0.017	0.0089	

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Results for 100 year +20% CC 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	510	0.448	0.686	1.6	1.2119	0.0000	SURCHARGED
960 minute summer	S25	510	0.451	0.695	1.4	1.7696	0.0000	SURCHARGED
960 minute summer	S16	510	0.451	0.718	9.6	3.1823	0.0000	SURCHARGED
960 minute summer	S145	510	0.449	0.764	20.5	3.2895	0.0000	SURCHARGED
960 minute summer	S4	510	0.448	0.691	2.2	1.2202	0.0000	SURCHARGED
960 minute summer	S5	510	0.448	0.732	5.1	1.2932	0.0000	SURCHARGED
960 minute summer	S9	510	0.448	0.744	1.8	1.7134	0.0000	SURCHARGED
960 minute summer	S10	510	0.448	0.769	1.5	1.3586	0.0000	SURCHARGED
960 minute summer	S11	510	0.448	0.774	6.9	1.3675	0.0000	SURCHARGED
960 minute summer	S12	510	0.448	0.783	8.0	1.3837	0.0000	SURCHARGED
960 minute summer	S1	510	0.450	0.714	6.7	1.6812	0.0000	SURCHARGED
960 minute summer	S3	510	0.450	0.757	10.8	2.4196	0.0000	SURCHARGED
960 minute summer	S2	510	0.449	0.785	12.2	1.3865	0.0000	SURCHARGED
960 minute summer	S14	510	0.449	0.758	1.2	1.3385	0.0000	SURCHARGED
960 minute summer	S15	510	0.448	0.794	26.3	3.5744	0.0000	SURCHARGED
960 minute summer	S75	510	0.445	0.807	46.5	2.0550	0.0000	SURCHARGED
960 minute summer	S87	510	0.439	0.725	4.9	2.3531	0.0000	SURCHARGED
960 minute summer	S88	510	0.439	0.747	9.0	2.4368	0.0000	SURCHARGED
960 minute summer	S89	510	0.439	0.769	13.0	2.4918	0.0000	SURCHARGED
960 minute summer	S90	510	0.438	0.790	17.1	2.5162	0.0000	SURCHARGED
960 minute summer	S92	510	0.436	0.815	66.1	2.0750	0.0000	SURCHARGED
960 minute summer	S81	510	0.423	0.725	4.9	2.3409	0.0000	SURCHARGED
960 minute summer	S82	510	0.423	0.747	9.0	2.4254	0.0000	SURCHARGED
960 minute summer	S83	510	0.423	0.768	12.9	2.4777	0.0000	SURCHARGED
960 minute summer	S84	510	0.422	0.789	17.1	2.5016	0.0000	SURCHARGED
960 minute summer	S86	510	0.420	0.813	82.6	2.0692	0.0000	SURCHARGED
960 minute summer	S76	510	0.397	0.714	4.9	2.2967	0.0000	SURCHARGED
960 minute summer	S77	510	0.397	0.736	9.1	2.3808	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	1.5	0.049	0.022	9.2005	
960 minute summer	S25	2.000	S16	1.7	0.039	0.024	7.3393	
960 minute summer	S16	1.001	S145	9.8	0.124	0.138	15.0038	
960 minute summer	S145	1.002	S75	19.6	0.164	0.278	15.0038	
960 minute summer	S4	3.000	S5	2.1	0.071	0.030	13.1095	
960 minute summer	S5	3.001	S11	5.3	0.111	0.074	13.1095	
960 minute summer	S9	4.000	S10	1.5	0.111	0.022	8.0648	
960 minute summer	S10	4.001	S11	1.8	0.104	0.024	1.3780	
960 minute summer	S11	3.002	S12	7.4	0.055	0.105	2.8740	
960 minute summer	S12	3.003	S15	8.2	0.057	0.120	3.6838	
960 minute summer	S1	5.000	S3	6.5	0.102	0.092	13.5151	
960 minute summer	S3	5.001	S2	10.5	0.130	0.149	9.1848	
960 minute summer	S2	5.002	S15	12.0	0.085	0.176	3.4165	
960 minute summer	S14	6.000	S15	-1.1	-0.041	-0.016	11.8707	
960 minute summer	S15	3.004	S75	26.5	0.167	0.370	4.9661	
960 minute summer	S75	1.003	S92	46.7	0.295	0.656	5.3380	
960 minute summer	S87	7.000	S88	4.1	0.102	0.058	6.8747	
960 minute summer	S88	7.001	S89	8.5	0.136	0.119	6.8747	
960 minute summer	S89	7.002	S90	12.7	0.153	0.178	6.8747	
960 minute summer	S90	7.003	S92	16.8	0.166	0.238	8.6413	
960 minute summer	S92	1.005	S86	65.9	0.416	0.928	4.4095	
960 minute summer	S81	8.000	S82	4.1	0.100	0.058	6.8747	
960 minute summer	S82	8.001	S83	8.4	0.135	0.121	6.8747	
960 minute summer	S83	8.002	S84	12.7	0.140	0.178	6.8747	
960 minute summer	S84	8.003	S86	16.8	0.182	0.236	8.1975	
960 minute summer	S86	1.006	S30	82.4	0.520	1.161	4.4165	
960 minute summer	S76	9.000	S77	4.1	0.101	0.058	6.8747	
960 minute summer	S77	9.001	S78	8.4	0.134	0.118	6.8747	

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Results for 100 year +20% CC 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	510	0.397	0.758	12.9	2.4363	0.0000	SURCHARGED
960 minute summer	S79	510	0.396	0.778	17.1	2.4581	0.0000	SURCHARGED
960 minute summer	S30	510	0.395	0.802	100.3	2.0400	0.0000	SURCHARGED
960 minute summer	S31	510	0.354	0.690	5.3	2.2857	0.0000	SURCHARGED
960 minute summer	S32	510	0.354	0.733	8.9	2.2635	0.0000	SURCHARGED
960 minute summer	S33	510	0.353	0.776	109.8	1.9758	0.0000	SURCHARGED
960 minute summer	S34	510	0.303	0.742	112.1	1.3118	0.0000	SURCHARGED
960 minute summer	S35	510	0.225	0.691	112.4	1.2209	0.0000	SURCHARGED
960 minute summer	S36	510	0.198	0.640	2.2	1.1313	0.0000	SURCHARGED
960 minute summer	S37	510	0.198	0.669	121.9	3.2899	0.0000	SURCHARGED
960 minute summer	S38	525	0.054	0.570	121.7	1.0076	0.0000	SURCHARGED
960 minute summer	S39	525	-0.086	0.476	121.6	0.8404	0.0000	SURCHARGED
960 minute summer	S56	525	-0.111	0.448	0.3	0.7912	0.0000	OK
960 minute summer	S57	525	-0.111	0.454	121.6	1.1548	0.0000	SURCHARGED
960 minute summer	S125	525	-0.161	0.394	0.9	0.6970	0.0000	OK
960 minute summer	S127	525	-0.161	0.418	121.4	1.0650	0.0000	OK
960 minute summer	S119	525	-0.215	0.354	0.7	0.6249	0.0000	OK
960 minute summer	S60	525	-0.215	0.378	121.2	0.9611	0.0000	OK
960 minute summer	Pond Inlet 1	1005	-0.223	0.387	121.3	0.6841	0.0000	OK
960 minute summer	Pond Outlet	1005	-0.223	0.387	60.7	0.4376	0.0000	SURCHARGED
960 minute summer	S13	1065	-0.223	0.415	0.1	1.4372	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	0.531	0.031	1.6	0.9133	0.0000	OK
960 minute summer	PP-S25	495	0.525	0.025	1.4	0.5507	0.0000	OK
960 minute summer	PP-S16	495	0.530	0.030	2.4	0.8340	0.0000	OK
960 minute summer	PP-S145	495	0.529	0.029	2.8	0.8236	0.0000	OK
960 minute summer	PP-S4	495	0.531	0.031	2.2	0.8846	0.0000	OK
960 minute summer	PP-S1	510	0.543	0.043	5.5	11.8097	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	12.7	0.138	0.182	6.8745	
960 minute summer	S79	9.003	S30	16.8	0.180	0.233	7.6907	
960 minute summer	S30	1.007	S33	100.1	0.632	1.406	5.0209	
960 minute summer	S31	10.000	S32	4.5	0.112	0.063	13.6740	
960 minute summer	S32	10.001	S33	8.3	0.140	0.117	13.6740	
960 minute summer	S33	1.008	S34	109.5	0.691	1.553	5.1108	
960 minute summer	S34	1.009	S35	112.0	0.707	1.577	8.5103	
960 minute summer	S35	1.010	S37	112.3	0.709	1.690	1.7947	
960 minute summer	S36	11.000	S37	1.9	-0.043	0.026	9.1184	
960 minute summer	S37	1.011	S38	121.7	0.768	1.722	14.3287	
960 minute summer	S38	1.012	S39	121.6	0.768	1.702	14.3287	
960 minute summer	S39	1.013	S57	121.6	0.767	1.918	1.1812	
960 minute summer	S56	12.011	S57	-0.3	-0.047	-0.005	2.0632	
960 minute summer	S57	1.014	S127	121.4	0.777	1.716	4.3801	
960 minute summer	S125	21.003	S127	-0.9	-0.110	-0.013	7.4212	
960 minute summer	S127	1.015	S60	121.1	0.824	1.701	4.0932	
960 minute summer	S119	22.003	S60	-0.7	-0.081	-0.010	6.7989	
960 minute summer	S60	1.016	Pond Inlet 1	121.3	0.947	1.602	4.2459	
960 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	60.7	0.015	0.001	2070.0435	
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	1.6	0.477	0.041	0.0330	
960 minute summer	PP-S25	2.000_1	S25	1.4	0.603	0.024	0.0115	
960 minute summer	PP-S16	3.000_1	S16	2.4	0.791	0.035	0.0169	
960 minute summer	PP-S145	4.000_2	S145	2.8	0.968	0.033	0.0383	
960 minute summer	PP-S4	1.000_2	S4	2.2	0.685	0.038	0.0160	
960 minute summer	PP-S1	4.000_1	S1	5.0	0.962	0.075	0.0258	

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Results for 100 year +20% CC 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	0.533	0.033	3.3	1.1430	0.0000	OK
960 minute summer	PP-S12	495	0.518	0.018	1.2	0.4816	0.0000	OK
960 minute summer	PP-S14	540	0.506	0.006	0.1	0.1595	0.0000	OK
960 minute summer	PP-S2	495	0.522	0.022	1.7	1.0248	0.0000	OK
960 minute summer	PP-S15	495	0.520	0.020	1.4	0.3785	0.0000	OK
960 minute summer	PP-S75	495	0.518	0.018	1.3	0.3932	0.0000	OK
960 minute summer	PP-S24	495	0.528	0.028	3.3	0.9874	0.0000	OK
960 minute summer	PP-S30	495	0.517	0.017	1.2	0.3469	0.0000	OK
960 minute summer	PP-S33	495	0.518	0.018	1.4	0.3205	0.0000	OK
960 minute summer	PP-S34	495	0.524	0.024	2.8	0.8219	0.0000	OK
960 minute summer	PP-S35	510	0.510	0.010	0.4	0.1160	0.0000	OK
960 minute summer	PP-S36	495	0.522	0.022	2.2	0.5006	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	3.3	0.926	0.044	0.0243	
960 minute summer	PP-S12	8.000_1	S12	1.2	0.793	0.013	0.0461	
960 minute summer	PP-S14	11.000_1	S14	0.1	0.355	0.001	0.0294	
960 minute summer	PP-S2	10.000_1	S2	1.7	0.880	0.018	0.0481	
960 minute summer	PP-S15	12.000_1	S15	1.4	0.854	0.015	0.0526	
960 minute summer	PP-S75	13.000_1	S75	1.3	0.862	0.013	0.0599	
960 minute summer	PP-S24	14.000_1	S92	3.3	1.165	0.032	0.0656	
960 minute summer	PP-S30	18.000_1	S30	1.2	0.913	0.011	0.0578	
960 minute summer	PP-S33	20.000_1	S33	1.4	0.975	0.012	0.0418	
960 minute summer	PP-S34	21.000_1	S34	2.8	1.227	0.024	0.0263	
960 minute summer	PP-S35	22.000_2	S35	0.4	0.715	0.003	0.0028	
960 minute summer	PP-S36	23.000_2	S36	2.2	1.148	0.018	0.0096	

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Results for 100 year +20% CC 960 minute winter. 2400 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
960 minute winter	S26	540	0.156	0.394	1.2	0.6969	0.0000	OK
960 minute winter	S25	540	0.156	0.400	1.0	1.0190	0.0000	OK
960 minute winter	S16	540	0.156	0.423	7.7	1.8773	0.0000	OK
960 minute winter	S145	540	0.156	0.471	15.2	2.0275	0.0000	SURCHARGED
960 minute winter	S4	540	0.156	0.399	1.6	0.7044	0.0000	OK
960 minute winter	S5	540	0.156	0.440	3.7	0.7768	0.0000	OK
960 minute winter	S9	540	0.156	0.452	1.3	1.0403	0.0000	SURCHARGED
960 minute winter	S10	540	0.155	0.476	1.2	0.8420	0.0000	SURCHARGED
960 minute winter	S11	540	0.155	0.481	5.7	0.8508	0.0000	SURCHARGED
960 minute winter	S12	540	0.155	0.490	6.8	0.8666	0.0000	SURCHARGED
960 minute winter	S1	540	0.156	0.420	5.4	0.9897	0.0000	OK
960 minute winter	S3	540	0.156	0.463	8.4	1.4808	0.0000	SURCHARGED
960 minute winter	S2	540	0.156	0.492	9.4	0.8686	0.0000	SURCHARGED
960 minute winter	S14	540	0.155	0.464	0.5	0.8204	0.0000	SURCHARGED
960 minute winter	S15	540	0.155	0.501	20.8	2.2564	0.0000	SURCHARGED
960 minute winter	S75	540	0.154	0.516	37.1	1.3123	0.0000	SURCHARGED
960 minute winter	S87	540	0.150	0.436	3.7	1.4141	0.0000	OK
960 minute winter	S88	540	0.150	0.458	7.1	1.4931	0.0000	SURCHARGED
960 minute winter	S89	540	0.150	0.480	10.4	1.5545	0.0000	SURCHARGED
960 minute winter	S90	540	0.149	0.501	13.6	1.5961	0.0000	SURCHARGED
960 minute winter	S92	540	0.148	0.527	51.9	1.3412	0.0000	SURCHARGED
960 minute winter	S81	540	0.140	0.442	3.7	1.4270	0.0000	OK
960 minute winter	S82	540	0.140	0.464	7.2	1.5062	0.0000	SURCHARGED
960 minute winter	S83	540	0.140	0.485	10.5	1.5644	0.0000	SURCHARGED
960 minute winter	S84	540	0.139	0.506	13.8	1.6054	0.0000	SURCHARGED
960 minute winter	S86	540	0.138	0.531	65.0	1.3515	0.0000	SURCHARGED
960 minute winter	S76	540	0.124	0.441	3.7	1.4183	0.0000	OK
960 minute winter	S77	540	0.124	0.463	7.2	1.4972	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	1.3	0.043	0.018	8.7679	
960 minute winter	S25	2.000	S16	1.1	0.038	0.015	7.0338	
960 minute winter	S16	1.001	S145	8.3	0.139	0.116	14.8271	
960 minute winter	S145	1.002	S75	15.4	0.163	0.218	15.0038	
960 minute winter	S4	3.000	S5	1.8	0.082	0.025	12.6593	
960 minute winter	S5	3.001	S11	4.3	0.105	0.060	13.0705	
960 minute winter	S9	4.000	S10	1.2	0.105	0.018	8.0626	
960 minute winter	S10	4.001	S11	1.5	0.077	0.020	1.3780	
960 minute winter	S11	3.002	S12	6.2	0.045	0.088	2.8740	
960 minute winter	S12	3.003	S15	7.0	0.049	0.102	3.6838	
960 minute winter	S1	5.000	S3	5.2	0.099	0.073	13.3262	
960 minute winter	S3	5.001	S2	8.3	0.129	0.117	9.1848	
960 minute winter	S2	5.002	S15	9.4	0.090	0.138	3.4165	
960 minute winter	S14	6.000	S15	0.5	-0.042	0.006	11.8707	
960 minute winter	S15	3.004	S75	21.0	0.134	0.293	4.9661	
960 minute winter	S75	1.003	S92	37.1	0.234	0.522	5.3380	
960 minute winter	S87	7.000	S88	3.3	0.106	0.047	6.8443	
960 minute winter	S88	7.001	S89	6.6	0.139	0.093	6.8747	
960 minute winter	S89	7.002	S90	10.0	0.153	0.140	6.8747	
960 minute winter	S90	7.003	S92	13.4	0.140	0.190	8.6413	
960 minute winter	S92	1.005	S86	51.9	0.328	0.731	4.4095	
960 minute winter	S81	8.000	S82	3.4	0.103	0.047	6.8604	
960 minute winter	S82	8.001	S83	6.7	0.133	0.096	6.8747	
960 minute winter	S83	8.002	S84	10.1	0.151	0.141	6.8747	
960 minute winter	S84	8.003	S86	13.5	0.131	0.191	8.1975	
960 minute winter	S86	1.006	S30	65.0	0.410	0.915	4.4165	
960 minute winter	S76	9.000	S77	3.4	0.103	0.048	6.8583	
960 minute winter	S77	9.001	S78	6.7	0.130	0.094	6.8747	

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Results for 100 year +20% CC 960 minute winter. 2400 minute analysis at 15 minute timestep. Mass balance: 99.93%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute winter	S78	540	0.124	0.485	10.5	1.5583	0.0000	SURCHARGED
960 minute winter	S79	540	0.123	0.505	13.8	1.5964	0.0000	SURCHARGED
960 minute winter	S30	540	0.122	0.529	79.1	1.3471	0.0000	SURCHARGED
960 minute winter	S31	540	0.097	0.433	4.0	1.4347	0.0000	OK
960 minute winter	S32	540	0.097	0.476	7.0	1.4702	0.0000	SURCHARGED
960 minute winter	S33	540	0.097	0.520	86.6	1.3226	0.0000	SURCHARGED
960 minute winter	S34	540	0.066	0.505	88.4	0.8916	0.0000	SURCHARGED
960 minute winter	S35	540	0.017	0.483	88.7	0.8539	0.0000	SURCHARGED
960 minute winter	S36	540	0.001	0.443	1.6	0.7825	0.0000	OK
960 minute winter	S37	540	0.001	0.472	96.0	2.3195	0.0000	SURCHARGED
960 minute winter	S38	540	-0.082	0.434	96.0	0.7660	0.0000	OK
960 minute winter	S39	555	-0.158	0.404	95.9	0.7141	0.0000	OK
960 minute winter	S56	555	-0.175	0.384	0.4	0.6787	0.0000	OK
960 minute winter	S57	555	-0.175	0.390	95.9	0.9927	0.0000	OK
960 minute winter	S125	1230	-0.182	0.373	0.4	0.6588	0.0000	OK
960 minute winter	S127	1230	-0.182	0.397	95.8	1.0098	0.0000	OK
960 minute winter	S119	1035	-0.182	0.387	0.8	0.6834	0.0000	OK
960 minute winter	S60	1230	-0.182	0.411	95.7	1.0453	0.0000	OK
960 minute winter	Pond Inlet 1	975	-0.182	0.428	95.5	0.7559	0.0000	OK
960 minute winter	Pond Outlet	990	-0.182	0.428	47.8	0.4837	0.0000	SURCHARGED
960 minute winter	S13	990	-0.182	0.456	0.1	1.5787	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	495	0.527	0.027	1.2	0.7001	0.0000	OK
960 minute winter	PP-S25	510	0.521	0.021	1.0	0.4020	0.0000	OK
960 minute winter	PP-S16	495	0.526	0.026	1.8	0.6367	0.0000	OK
960 minute winter	PP-S145	495	0.525	0.025	2.1	0.6304	0.0000	OK
960 minute winter	PP-S4	510	0.526	0.026	1.6	0.6572	0.0000	OK
960 minute winter	PP-S1	510	0.539	0.039	4.1	10.1573	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	10.1	0.150	0.146	6.8745	
960 minute winter	S79	9.003	S30	13.6	0.123	0.190	7.6907	
960 minute winter	S30	1.007	S33	79.1	0.499	1.111	5.0209	
960 minute winter	S31	10.000	S32	3.5	0.107	0.050	13.5932	
960 minute winter	S32	10.001	S33	6.6	0.095	0.093	13.6740	
960 minute winter	S33	1.008	S34	86.6	0.547	1.228	5.1108	
960 minute winter	S34	1.009	S35	88.4	0.558	1.245	8.5103	
960 minute winter	S35	1.010	S37	88.7	0.560	1.335	1.7947	
960 minute winter	S36	11.000	S37	1.5	0.031	0.021	9.1028	
960 minute winter	S37	1.011	S38	96.0	0.606	1.359	14.2466	
960 minute winter	S38	1.012	S39	95.9	0.625	1.343	13.8610	
960 minute winter	S39	1.013	S57	95.9	0.650	1.513	1.1035	
960 minute winter	S56	12.011	S57	-0.4	-0.060	-0.006	1.8898	
960 minute winter	S57	1.014	S127	95.8	0.677	1.355	4.0941	
960 minute winter	S125	21.003	S127	-0.4	-0.027	-0.005	7.1124	
960 minute winter	S127	1.015	S60	95.7	0.722	1.344	4.1496	
960 minute winter	S119	22.003	S60	-0.8	-0.079	-0.011	7.3177	
960 minute winter	S60	1.016	Pond Inlet 1	95.5	0.830	1.261	4.5859	
960 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	47.8	0.017	0.001	2305.0984	
960 minute winter	Pond Outlet	1.018	S13	0.1	0.139	0.001	0.4779	
960 minute winter	S13	Pump	Final Outfall	0.0				0.0
960 minute winter	PP-S26	1.000_1	S26	1.2	0.438	0.031	0.0271	
960 minute winter	PP-S25	2.000_1	S25	1.0	0.547	0.017	0.0091	
960 minute winter	PP-S16	3.000_1	S16	1.8	0.727	0.027	0.0124	
960 minute winter	PP-S145	4.000_2	S145	2.1	0.891	0.025	0.0118	
960 minute winter	PP-S4	1.000_2	S4	1.6	0.624	0.028	0.0128	
960 minute winter	PP-S1	4.000_1	S1	4.0	0.902	0.060	0.0220	

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Results for 100 year +20% CC 960 minute winter. 2400 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
960 minute winter	PP-S5	510	0.528	0.028	2.4	0.8457	0.0000	OK
960 minute winter	PP-S12	510	0.516	0.016	0.9	0.3721	0.0000	OK
960 minute winter	PP-S14	555	0.506	0.006	0.1	0.1617	0.0000	OK
960 minute winter	PP-S2	510	0.519	0.019	1.3	0.8077	0.0000	OK
960 minute winter	PP-S15	510	0.517	0.017	1.0	0.2776	0.0000	OK
960 minute winter	PP-S75	495	0.516	0.016	1.0	0.3093	0.0000	OK
960 minute winter	PP-S24	510	0.524	0.024	2.4	0.7339	0.0000	OK
960 minute winter	PP-S30	525	0.515	0.015	0.9	0.2687	0.0000	OK
960 minute winter	PP-S33	495	0.516	0.016	1.1	0.2580	0.0000	OK
960 minute winter	PP-S34	495	0.521	0.021	2.1	0.6257	0.0000	OK
960 minute winter	PP-S35	495	0.508	0.008	0.3	0.0897	0.0000	OK
960 minute winter	PP-S36	510	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)
960 minute winter	PP-S5	2.000_2	S5	2.4	0.845	0.032	0.0142	
960 minute winter	PP-S12	8.000_1	S12	0.9	0.728	0.010	0.0062	
960 minute winter	PP-S14	11.000_1	S14	0.1	0.356	0.001	0.0014	
960 minute winter	PP-S2	10.000_1	S2	1.3	0.817	0.014	0.0080	
960 minute winter	PP-S15	12.000_1	S15	1.0	0.770	0.011	0.0065	
960 minute winter	PP-S75	13.000_1	S75	1.0	0.795	0.010	0.0063	
960 minute winter	PP-S24	14.000_1	S92	2.4	1.062	0.023	0.0113	
960 minute winter	PP-S30	18.000_1	S30	0.9	0.838	0.008	0.0054	
960 minute winter	PP-S33	20.000_1	S33	1.1	0.906	0.010	0.0061	
960 minute winter	PP-S34	21.000_1	S34	2.1	1.128	0.018	0.0093	
960 minute winter	PP-S35	22.000_2	S35	0.3	0.659	0.002	0.0023	
960 minute winter	PP-S36	23.000_2	S36	1.6	1.045	0.013	0.0077	

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Results for 100 year +20% CC 1440 minute summer. 2880 minute analysis at 30 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute summer	S26	780	0.057	0.295	1.1	0.5221	0.0000	OK
1440 minute summer	S25	780	0.057	0.301	1.0	0.7672	0.0000	OK
1440 minute summer	S16	780	0.057	0.324	7.5	1.4385	0.0000	OK
1440 minute summer	S145	780	0.057	0.372	14.5	1.6015	0.0000	OK
1440 minute summer	S4	780	0.057	0.300	1.6	0.5298	0.0000	OK
1440 minute summer	S5	780	0.057	0.341	3.4	0.6022	0.0000	OK
1440 minute summer	S9	780	0.057	0.353	1.3	0.8127	0.0000	OK
1440 minute summer	S10	780	0.057	0.378	1.1	0.6674	0.0000	OK
1440 minute summer	S11	780	0.057	0.383	5.0	0.6763	0.0000	OK
1440 minute summer	S12	780	0.057	0.392	6.0	0.6920	0.0000	OK
1440 minute summer	S1	780	0.057	0.321	5.0	0.7567	0.0000	OK
1440 minute summer	S3	780	0.057	0.364	7.9	1.1644	0.0000	OK
1440 minute summer	S2	780	0.057	0.393	8.7	0.6940	0.0000	OK
1440 minute summer	S14	780	0.057	0.366	0.6	0.6460	0.0000	OK
1440 minute summer	S15	780	0.057	0.403	18.8	1.8119	0.0000	OK
1440 minute summer	S75	780	0.055	0.417	33.4	1.0621	0.0000	OK
1440 minute summer	S87	780	0.053	0.339	3.5	1.0982	0.0000	OK
1440 minute summer	S88	780	0.052	0.360	6.8	1.1756	0.0000	OK
1440 minute summer	S89	780	0.052	0.382	9.9	1.2391	0.0000	OK
1440 minute summer	S90	780	0.052	0.404	12.9	1.2867	0.0000	OK
1440 minute summer	S92	780	0.051	0.430	47.2	1.0951	0.0000	OK
1440 minute summer	S81	780	0.045	0.347	3.5	1.1217	0.0000	OK
1440 minute summer	S82	780	0.045	0.369	6.8	1.1992	0.0000	OK
1440 minute summer	S83	780	0.045	0.390	9.9	1.2595	0.0000	OK
1440 minute summer	S84	780	0.045	0.412	13.0	1.3063	0.0000	OK
1440 minute summer	S86	780	0.044	0.437	59.1	1.1126	0.0000	OK
1440 minute summer	S76	780	0.034	0.351	3.5	1.1285	0.0000	OK
1440 minute summer	S77	780	0.034	0.373	6.8	1.2058	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	1.1	0.047	0.015	6.7558	
1440 minute summer	S25	2.000	S16	0.9	0.038	0.013	5.4480	
1440 minute summer	S16	1.001	S145	7.0	0.122	0.098	12.4274	
1440 minute summer	S145	1.002	S75	13.8	0.150	0.195	13.8953	
1440 minute summer	S4	3.000	S5	1.5	0.078	0.021	9.9707	
1440 minute summer	S5	3.001	S11	3.7	0.109	0.052	11.2728	
1440 minute summer	S9	4.000	S10	1.1	0.087	0.016	7.0080	
1440 minute summer	S10	4.001	S11	1.3	0.035	0.017	1.2425	
1440 minute summer	S11	3.002	S12	5.4	0.048	0.076	2.6311	
1440 minute summer	S12	3.003	S15	6.1	0.049	0.089	3.4414	
1440 minute summer	S1	5.000	S3	4.7	0.103	0.066	11.0258	
1440 minute summer	S3	5.001	S2	7.6	0.113	0.107	8.2372	
1440 minute summer	S2	5.002	S15	8.7	0.079	0.127	3.1954	
1440 minute summer	S14	6.000	S15	-0.5	-0.010	-0.008	10.7708	
1440 minute summer	S15	3.004	S75	19.3	0.134	0.270	4.7479	
1440 minute summer	S75	1.003	S92	33.6	0.223	0.473	5.2121	
1440 minute summer	S87	7.000	S88	3.2	0.091	0.045	5.7288	
1440 minute summer	S88	7.001	S89	6.3	0.123	0.088	6.0673	
1440 minute summer	S89	7.002	S90	9.4	0.143	0.132	6.3682	
1440 minute summer	S90	7.003	S92	12.5	0.112	0.177	8.3456	
1440 minute summer	S92	1.005	S86	47.2	0.304	0.665	4.3588	
1440 minute summer	S81	8.000	S82	3.2	0.087	0.045	5.8694	
1440 minute summer	S82	8.001	S83	6.3	0.122	0.091	6.1877	
1440 minute summer	S83	8.002	S84	9.5	0.138	0.133	6.4654	
1440 minute summer	S84	8.003	S86	12.5	0.092	0.177	7.9993	
1440 minute summer	S86	1.006	S30	59.1	0.376	0.833	4.3863	
1440 minute summer	S76	9.000	S77	3.2	0.088	0.045	5.9253	
1440 minute summer	S77	9.001	S78	6.4	0.121	0.089	6.2449	

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Results for 100 year +20% CC 1440 minute summer. 2880 minute analysis at 30 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute summer	S78	780	0.034	0.395	10.0	1.2689	0.0000	OK
1440 minute summer	S79	780	0.033	0.415	13.0	1.3125	0.0000	OK
1440 minute summer	S30	780	0.033	0.440	71.7	1.1193	0.0000	OK
1440 minute summer	S31	780	0.015	0.351	3.8	1.1619	0.0000	OK
1440 minute summer	S32	780	0.015	0.394	6.7	1.2159	0.0000	OK
1440 minute summer	S33	780	0.014	0.437	78.5	1.1134	0.0000	OK
1440 minute summer	S34	780	-0.008	0.431	80.2	0.7622	0.0000	OK
1440 minute summer	S35	780	-0.041	0.425	80.4	0.7501	0.0000	OK
1440 minute summer	S36	780	-0.054	0.388	1.5	0.6848	0.0000	OK
1440 minute summer	S37	780	-0.054	0.417	87.0	2.0478	0.0000	OK
1440 minute summer	S38	780	-0.118	0.398	87.0	0.7040	0.0000	OK
1440 minute summer	S39	780	-0.185	0.377	87.0	0.6663	0.0000	OK
1440 minute summer	S56	1530	-0.198	0.361	0.1	0.6380	0.0000	OK
1440 minute summer	S57	1530	-0.198	0.367	87.0	0.9343	0.0000	OK
1440 minute summer	S125	1590	-0.198	0.357	0.2	0.6309	0.0000	OK
1440 minute summer	S127	1530	-0.198	0.381	86.9	0.9698	0.0000	OK
1440 minute summer	S119	1530	-0.198	0.371	0.2	0.6557	0.0000	OK
1440 minute summer	S60	1530	-0.198	0.395	86.8	1.0055	0.0000	OK
1440 minute summer	Pond Inlet 1	1470	-0.198	0.412	86.7	0.7283	0.0000	OK
1440 minute summer	Pond Outlet	1650	-0.198	0.412	43.4	0.4659	0.0000	SURCHARGED
1440 minute summer	S13	1650	-0.198	0.440	0.1	1.5241	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	0.526	0.026	1.1	0.6496	0.0000	OK
1440 minute summer	PP-S25	750	0.521	0.021	1.0	0.4019	0.0000	OK
1440 minute summer	PP-S16	750	0.525	0.025	1.7	0.6049	0.0000	OK
1440 minute summer	PP-S145	750	0.524	0.024	2.0	0.6021	0.0000	OK
1440 minute summer	PP-S4	750	0.526	0.026	1.6	0.6570	0.0000	OK
1440 minute summer	PP-S1	750	0.537	0.037	3.9	9.5908	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	9.5	0.133	0.137	6.5156	
1440 minute summer	S79	9.003	S30	12.6	0.087	0.176	7.5350	
1440 minute summer	S30	1.007	S33	71.7	0.456	1.008	4.9872	
1440 minute summer	S31	10.000	S32	3.4	0.089	0.047	12.0679	
1440 minute summer	S32	10.001	S33	6.0	0.068	0.083	13.1312	
1440 minute summer	S33	1.008	S34	78.5	0.501	1.113	5.0557	
1440 minute summer	S34	1.009	S35	80.2	0.515	1.129	8.3574	
1440 minute summer	S35	1.010	S37	80.4	0.522	1.210	1.7452	
1440 minute summer	S36	11.000	S37	1.3	-0.029	0.019	8.5866	
1440 minute summer	S37	1.011	S38	87.0	0.576	1.231	13.6387	
1440 minute summer	S38	1.012	S39	87.0	0.599	1.217	13.1254	
1440 minute summer	S39	1.013	S57	87.0	0.623	1.372	1.0408	
1440 minute summer	S56	12.011	S57	-0.1	-0.004	-0.001	1.7903	
1440 minute summer	S57	1.014	S127	86.9	0.650	1.229	3.9530	
1440 minute summer	S125	21.003	S127	-0.2	-0.014	-0.003	6.8566	
1440 minute summer	S127	1.015	S60	86.8	0.695	1.219	4.0234	
1440 minute summer	S119	22.003	S60	-0.2	-0.023	-0.003	7.0852	
1440 minute summer	S60	1.016	Pond Inlet 1	86.7	0.796	1.145	4.4696	
1440 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	43.4	0.013	0.001	2214.1025	
1440 minute summer	Pond Outlet	1.018	S13	0.1	0.117	0.001	0.4779	
1440 minute summer	S13	Pump	Final Outfall	0.0				0.0
1440 minute summer	PP-S26	1.000_1	S26	1.1	0.428	0.029	0.0257	
1440 minute summer	PP-S25	2.000_1	S25	1.0	0.547	0.017	0.0091	
1440 minute summer	PP-S16	3.000_1	S16	1.7	0.716	0.025	0.0119	
1440 minute summer	PP-S145	4.000_2	S145	2.0	0.878	0.024	0.0114	
1440 minute summer	PP-S4	1.000_2	S4	1.6	0.624	0.028	0.0128	
1440 minute summer	PP-S1	4.000_1	S1	3.6	0.882	0.055	0.0207	

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Results for 100 year +20% CC 1440 minute summer. 2880 minute analysis at 30 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute summer	PP-S5	750	0.528	0.028	2.3	0.8123	0.0000	OK
1440 minute summer	PP-S12	750	0.515	0.015	0.8	0.3353	0.0000	OK
1440 minute summer	PP-S14	750	0.506	0.006	0.1	0.1390	0.0000	OK
1440 minute summer	PP-S2	750	0.518	0.018	1.2	0.7472	0.0000	OK
1440 minute summer	PP-S15	750	0.517	0.017	1.0	0.2776	0.0000	OK
1440 minute summer	PP-S75	750	0.516	0.016	0.9	0.2821	0.0000	OK
1440 minute summer	PP-S24	750	0.524	0.024	2.3	0.7044	0.0000	OK
1440 minute summer	PP-S30	750	0.515	0.015	0.9	0.2687	0.0000	OK
1440 minute summer	PP-S33	750	0.515	0.015	1.0	0.2375	0.0000	OK
1440 minute summer	PP-S34	750	0.521	0.021	2.0	0.5985	0.0000	OK
1440 minute summer	PP-S35	750	0.508	0.008	0.3	0.0897	0.0000	OK
1440 minute summer	PP-S36	750	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)
1440 minute summer	PP-S5	2.000_2	S5	2.3	0.834	0.031	0.0138	
1440 minute summer	PP-S12	8.000_1	S12	0.8	0.703	0.009	0.0057	
1440 minute summer	PP-S14	11.000_1	S14	0.1	0.340	0.001	0.0012	
1440 minute summer	PP-S2	10.000_1	S2	1.2	0.796	0.013	0.0075	
1440 minute summer	PP-S15	12.000_1	S15	1.0	0.770	0.011	0.0065	
1440 minute summer	PP-S75	13.000_1	S75	0.9	0.771	0.009	0.0058	
1440 minute summer	PP-S24	14.000_1	S92	2.3	1.048	0.022	0.0110	
1440 minute summer	PP-S30	18.000_1	S30	0.9	0.838	0.008	0.0054	
1440 minute summer	PP-S33	20.000_1	S33	1.0	0.880	0.009	0.0057	
1440 minute summer	PP-S34	21.000_1	S34	2.0	1.113	0.017	0.0090	
1440 minute summer	PP-S35	22.000_2	S35	0.3	0.659	0.002	0.0023	
1440 minute summer	PP-S36	23.000_2	S36	1.5	1.024	0.013	0.0073	

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Results for 100 year +20% CC 1440 minute winter. 2880 minute analysis at 30 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
1440 minute winter	S26	780	-0.017	0.221	0.8	0.3899	0.0000	OK
1440 minute winter	S25	780	-0.017	0.227	0.7	0.5768	0.0000	OK
1440 minute winter	S16	780	-0.017	0.250	5.9	1.1069	0.0000	OK
1440 minute winter	S145	780	-0.018	0.297	11.7	1.2790	0.0000	OK
1440 minute winter	S4	780	-0.018	0.225	1.2	0.3972	0.0000	OK
1440 minute winter	S5	780	-0.018	0.266	2.8	0.4696	0.0000	OK
1440 minute winter	S9	780	-0.018	0.278	1.0	0.6397	0.0000	OK
1440 minute winter	S10	780	-0.018	0.303	0.9	0.5347	0.0000	OK
1440 minute winter	S11	780	-0.018	0.308	3.8	0.5436	0.0000	OK
1440 minute winter	S12	780	-0.018	0.317	4.4	0.5594	0.0000	OK
1440 minute winter	S1	780	-0.018	0.246	3.8	0.5801	0.0000	OK
1440 minute winter	S3	780	-0.018	0.289	6.3	0.9245	0.0000	OK
1440 minute winter	S2	780	-0.018	0.318	7.1	0.5614	0.0000	OK
1440 minute winter	S14	780	-0.018	0.291	0.2	0.5133	0.0000	OK
1440 minute winter	S15	780	-0.018	0.328	15.5	1.4741	0.0000	OK
1440 minute winter	S75	780	-0.020	0.342	27.6	0.8714	0.0000	OK
1440 minute winter	S87	780	-0.022	0.264	2.6	0.8572	0.0000	OK
1440 minute winter	S88	780	-0.022	0.286	5.2	0.9332	0.0000	OK
1440 minute winter	S89	780	-0.022	0.308	7.8	0.9982	0.0000	OK
1440 minute winter	S90	780	-0.022	0.330	10.2	1.0498	0.0000	OK
1440 minute winter	S92	780	-0.023	0.356	39.2	0.9058	0.0000	OK
1440 minute winter	S81	780	-0.028	0.274	2.6	0.8854	0.0000	OK
1440 minute winter	S82	780	-0.028	0.296	5.2	0.9616	0.0000	OK
1440 minute winter	S83	780	-0.028	0.317	7.8	1.0231	0.0000	OK
1440 minute winter	S84	780	-0.028	0.339	10.2	1.0741	0.0000	OK
1440 minute winter	S86	780	-0.029	0.364	49.2	0.9263	0.0000	OK
1440 minute winter	S76	780	-0.037	0.280	2.6	0.9000	0.0000	OK
1440 minute winter	S77	780	-0.037	0.302	5.2	0.9760	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	0.8	0.049	0.012	4.8644	
1440 minute winter	S25	2.000	S16	0.7	0.036	0.010	3.9427	
1440 minute winter	S16	1.001	S145	5.9	0.124	0.082	9.5290	
1440 minute winter	S145	1.002	S75	11.5	0.147	0.163	11.3830	
1440 minute winter	S4	3.000	S5	1.1	0.074	0.016	7.3033	
1440 minute winter	S5	3.001	S11	2.8	0.089	0.040	8.8071	
1440 minute winter	S9	4.000	S10	0.9	0.078	0.013	5.4974	
1440 minute winter	S10	4.001	S11	1.0	0.049	0.013	0.9951	
1440 minute winter	S11	3.002	S12	3.9	0.044	0.055	2.1282	
1440 minute winter	S12	3.003	S15	4.5	0.041	0.065	2.8224	
1440 minute winter	S1	5.000	S3	3.8	0.104	0.053	8.3754	
1440 minute winter	S3	5.001	S2	6.2	0.117	0.088	6.5862	
1440 minute winter	S2	5.002	S15	7.1	0.072	0.104	2.6225	
1440 minute winter	S14	6.000	S15	-0.2	-0.025	-0.003	8.6835	
1440 minute winter	S15	3.004	S75	15.5	0.125	0.217	3.9652	
1440 minute winter	S75	1.003	S92	27.7	0.210	0.389	4.4455	
1440 minute winter	S87	7.000	S88	2.5	0.096	0.035	4.4059	
1440 minute winter	S88	7.001	S89	5.1	0.130	0.071	4.8153	
1440 minute winter	S89	7.002	S90	7.6	0.136	0.107	5.2077	
1440 minute winter	S90	7.003	S92	10.1	0.134	0.143	7.0605	
1440 minute winter	S92	1.005	S86	39.2	0.288	0.551	3.7829	
1440 minute winter	S81	8.000	S82	2.5	0.096	0.035	4.5938	
1440 minute winter	S82	8.001	S83	5.1	0.124	0.073	4.9888	
1440 minute winter	S83	8.002	S84	7.6	0.133	0.107	5.3652	
1440 minute winter	S84	8.003	S86	10.1	0.132	0.142	6.8639	
1440 minute winter	S86	1.006	S30	49.2	0.356	0.693	3.8524	
1440 minute winter	S76	9.000	S77	2.5	0.096	0.035	4.7012	
1440 minute winter	S77	9.001	S78	5.1	0.118	0.071	5.1012	

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Results for 100 year +20% CC 1440 minute winter. 2880 minute analysis at 30 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
1440 minute winter	S78	780	-0.037	0.324	7.8	1.0405	0.0000	OK
1440 minute winter	S79	780	-0.038	0.344	10.3	1.0879	0.0000	OK
1440 minute winter	S30	780	-0.038	0.369	59.9	0.9386	0.0000	OK
1440 minute winter	S31	780	-0.053	0.283	2.8	0.9385	0.0000	OK
1440 minute winter	S32	780	-0.053	0.326	5.2	1.0076	0.0000	OK
1440 minute winter	S33	780	-0.053	0.370	65.5	0.9418	0.0000	OK
1440 minute winter	S34	810	-0.071	0.368	66.9	0.6505	0.0000	OK
1440 minute winter	S35	810	-0.098	0.368	67.1	0.6504	0.0000	OK
1440 minute winter	S36	810	-0.109	0.333	1.1	0.5888	0.0000	OK
1440 minute winter	S37	810	-0.109	0.362	72.6	1.7807	0.0000	OK
1440 minute winter	S38	1470	-0.154	0.362	72.5	0.6400	0.0000	OK
1440 minute winter	S39	1440	-0.154	0.408	72.4	0.7218	0.0000	OK
1440 minute winter	S56	1440	-0.154	0.405	0.1	0.7165	0.0000	OK
1440 minute winter	S57	1440	-0.154	0.411	72.4	1.0472	0.0000	OK
1440 minute winter	S125	1440	-0.154	0.401	0.6	0.7094	0.0000	OK
1440 minute winter	S127	1440	-0.154	0.425	72.3	1.0826	0.0000	OK
1440 minute winter	S119	1440	-0.154	0.415	0.1	0.7342	0.0000	OK
1440 minute winter	S60	1440	-0.154	0.439	72.1	1.1183	0.0000	OK
1440 minute winter	Pond Inlet 1	1470	-0.151	0.459	71.9	0.8112	0.0000	OK
1440 minute winter	Pond Outlet	1500	-0.154	0.456	36.0	0.5153	0.0000	SURCHARGED
1440 minute winter	S13	1500	-0.154	0.484	0.1	1.6754	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	0.523	0.023	0.8	0.4834	0.0000	OK
1440 minute winter	PP-S25	750	0.518	0.018	0.7	0.2886	0.0000	OK
1440 minute winter	PP-S16	750	0.522	0.022	1.3	0.4692	0.0000	OK
1440 minute winter	PP-S145	750	0.521	0.021	1.5	0.4595	0.0000	OK
1440 minute winter	PP-S4	750	0.523	0.023	1.2	0.5013	0.0000	OK
1440 minute winter	PP-S1	780	0.533	0.033	2.9	8.0480	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	7.7	0.133	0.110	5.4727	
1440 minute winter	S79	9.003	S30	10.1	0.123	0.141	6.5342	
1440 minute winter	S30	1.007	S33	59.8	0.430	0.840	4.4130	
1440 minute winter	S31	10.000	S32	2.7	0.094	0.038	9.8488	
1440 minute winter	S32	10.001	S33	5.0	0.092	0.070	11.3309	
1440 minute winter	S33	1.008	S34	65.5	0.471	0.928	4.4879	
1440 minute winter	S34	1.009	S35	66.9	0.482	0.941	7.4558	
1440 minute winter	S35	1.010	S37	67.0	0.488	1.009	1.5605	
1440 minute winter	S36	11.000	S37	1.1	0.020	0.015	7.5563	
1440 minute winter	S37	1.011	S38	72.5	0.539	1.027	12.2564	
1440 minute winter	S38	1.012	S39	72.4	0.553	1.014	13.0159	
1440 minute winter	S39	1.013	S57	72.4	0.572	1.142	1.1300	
1440 minute winter	S56	12.011	S57	-0.1	-0.011	-0.002	1.9698	
1440 minute winter	S57	1.014	S127	72.3	0.595	1.022	4.3107	
1440 minute winter	S125	21.003	S127	-0.6	-0.101	-0.009	7.5081	
1440 minute winter	S127	1.015	S60	72.1	0.632	1.013	4.3281	
1440 minute winter	S119	22.003	S60	-0.1	-0.053	-0.002	7.6557	
1440 minute winter	S60	1.016	Pond Inlet 1	71.9	0.718	0.950	4.7130	
1440 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	36.0	0.015	0.001	2466.3103	
1440 minute winter	Pond Outlet	1.018	S13	0.1	0.145	0.001	0.4779	
1440 minute winter	S13	Pump	Final Outfall	0.0				0.0
1440 minute winter	PP-S26	1.000_1	S26	0.8	0.391	0.021	0.0205	
1440 minute winter	PP-S25	2.000_1	S25	0.7	0.491	0.012	0.0071	
1440 minute winter	PP-S16	3.000_1	S16	1.3	0.661	0.019	0.0098	
1440 minute winter	PP-S145	4.000_2	S145	1.5	0.807	0.018	0.0093	
1440 minute winter	PP-S4	1.000_2	S4	1.2	0.574	0.021	0.0105	
1440 minute winter	PP-S1	4.000_1	S1	2.8	0.821	0.043	0.0173	

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Results for 100 year +20% CC 1440 minute winter. 2880 minute analysis at 30 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
1440 minute winter	PP-S5	780	0.524	0.024	1.7	0.6133	0.0000	OK
1440 minute winter	PP-S12	810	0.513	0.013	0.6	0.2555	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	0.516	0.016	0.9	0.5750	0.0000	OK
1440 minute winter	PP-S15	720	0.514	0.014	0.7	0.2013	0.0000	OK
1440 minute winter	PP-S75	780	0.514	0.014	0.7	0.2235	0.0000	OK
1440 minute winter	PP-S24	750	0.521	0.021	1.7	0.5315	0.0000	OK
1440 minute winter	PP-S30	750	0.513	0.013	0.7	0.2113	0.0000	OK
1440 minute winter	PP-S33	750	0.514	0.014	0.8	0.1929	0.0000	OK
1440 minute winter	PP-S34	750	0.518	0.018	1.5	0.4585	0.0000	OK
1440 minute winter	PP-S35	660	0.507	0.007	0.2	0.0626	0.0000	OK
1440 minute winter	PP-S36	750	0.516	0.016	1.1	0.2666	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	1.7	0.763	0.023	0.0111	
1440 minute winter	PP-S12	8.000_1	S12	0.6	0.643	0.007	0.0047	
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	0.9	0.729	0.010	0.0062	
1440 minute winter	PP-S15	12.000_1	S15	0.7	0.691	0.007	0.0051	
1440 minute winter	PP-S75	13.000_1	S75	0.7	0.714	0.007	0.0049	
1440 minute winter	PP-S24	14.000_1	S92	1.7	0.961	0.017	0.0088	
1440 minute winter	PP-S30	18.000_1	S30	0.7	0.775	0.006	0.0045	
1440 minute winter	PP-S33	20.000_1	S33	0.8	0.822	0.007	0.0049	
1440 minute winter	PP-S34	21.000_1	S34	1.5	1.020	0.013	0.0074	
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	1.1	0.932	0.009	0.0059	

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Results for 100 year +20% CC 2160 minute summer. 3600 minute analysis at 60 minute timestep. Mass balance: 99.84%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2160 minute summer	S26	1140	-0.045	0.193	0.8	0.3403	0.0000	OK
2160 minute summer	S25	1140	-0.045	0.199	0.7	0.5053	0.0000	OK
2160 minute summer	S16	1140	-0.045	0.222	5.6	0.9823	0.0000	OK
2160 minute summer	S145	1140	-0.046	0.269	11.0	1.1576	0.0000	OK
2160 minute summer	S4	1140	-0.047	0.196	1.1	0.3470	0.0000	OK
2160 minute summer	S5	1140	-0.047	0.237	2.6	0.4194	0.0000	OK
2160 minute summer	S9	1140	-0.047	0.249	0.9	0.5742	0.0000	OK
2160 minute summer	S10	1140	-0.047	0.274	0.8	0.4846	0.0000	OK
2160 minute summer	S11	1140	-0.047	0.279	3.5	0.4934	0.0000	OK
2160 minute summer	S12	1140	-0.047	0.288	4.2	0.5092	0.0000	OK
2160 minute summer	S1	1140	-0.046	0.218	3.6	0.5134	0.0000	OK
2160 minute summer	S3	1140	-0.046	0.261	5.9	0.8338	0.0000	OK
2160 minute summer	S2	1140	-0.047	0.289	6.6	0.5112	0.0000	OK
2160 minute summer	S14	1140	-0.047	0.262	0.3	0.4632	0.0000	OK
2160 minute summer	S15	1140	-0.047	0.299	14.0	1.3463	0.0000	OK
2160 minute summer	S75	1140	-0.048	0.314	25.0	0.7992	0.0000	OK
2160 minute summer	S87	1140	-0.050	0.236	2.4	0.7657	0.0000	OK
2160 minute summer	S88	1140	-0.050	0.258	4.8	0.8412	0.0000	OK
2160 minute summer	S89	1140	-0.050	0.280	7.2	0.9066	0.0000	OK
2160 minute summer	S90	1140	-0.051	0.301	9.4	0.9597	0.0000	OK
2160 minute summer	S92	1140	-0.051	0.328	35.7	0.8338	0.0000	OK
2160 minute summer	S81	1140	-0.056	0.246	2.4	0.7947	0.0000	OK
2160 minute summer	S82	1140	-0.056	0.268	4.8	0.8704	0.0000	OK
2160 minute summer	S83	1140	-0.056	0.289	7.2	0.9324	0.0000	OK
2160 minute summer	S84	1140	-0.057	0.310	9.5	0.9848	0.0000	OK
2160 minute summer	S86	1140	-0.057	0.336	44.9	0.8547	0.0000	OK
2160 minute summer	S76	1140	-0.065	0.252	2.4	0.8106	0.0000	OK
2160 minute summer	S77	1140	-0.065	0.274	4.8	0.8861	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	0.7	0.046	0.011	4.1348	
2160 minute summer	S25	2.000	S16	0.6	0.039	0.009	3.3600	
2160 minute summer	S16	1.001	S145	5.3	0.120	0.075	8.3547	
2160 minute summer	S145	1.002	S75	10.8	0.120	0.152	10.2696	
2160 minute summer	S4	3.000	S5	1.0	0.078	0.014	6.2545	
2160 minute summer	S5	3.001	S11	2.6	0.085	0.037	7.7813	
2160 minute summer	S9	4.000	S10	0.8	0.050	0.012	4.8667	
2160 minute summer	S10	4.001	S11	0.9	0.020	0.012	0.8891	
2160 minute summer	S11	3.002	S12	3.7	0.058	0.053	1.9094	
2160 minute summer	S12	3.003	S15	4.3	0.052	0.063	2.5469	
2160 minute summer	S1	5.000	S3	3.5	0.105	0.049	7.3051	
2160 minute summer	S3	5.001	S2	5.7	0.096	0.080	5.8805	
2160 minute summer	S2	5.002	S15	6.5	0.068	0.095	2.3674	
2160 minute summer	S14	6.000	S15	-0.3	-0.011	-0.004	7.7801	
2160 minute summer	S15	3.004	S75	14.2	0.127	0.199	3.6045	
2160 minute summer	S75	1.003	S92	24.8	0.210	0.349	4.0726	
2160 minute summer	S87	7.000	S88	2.3	0.087	0.033	3.8648	
2160 minute summer	S88	7.001	S89	4.7	0.107	0.066	4.2849	
2160 minute summer	S89	7.002	S90	7.0	0.106	0.099	4.6939	
2160 minute summer	S90	7.003	S92	9.3	0.083	0.132	6.4481	
2160 minute summer	S92	1.005	S86	35.6	0.284	0.500	3.4863	
2160 minute summer	S81	8.000	S82	2.3	0.082	0.033	4.0596	
2160 minute summer	S82	8.001	S83	4.7	0.105	0.067	4.4675	
2160 minute summer	S83	8.002	S84	7.1	0.090	0.099	4.8627	
2160 minute summer	S84	8.003	S86	9.3	0.080	0.131	6.3003	
2160 minute summer	S86	1.006	S30	44.7	0.350	0.630	3.5645	
2160 minute summer	S76	9.000	S77	2.3	0.078	0.033	4.1753	
2160 minute summer	S77	9.001	S78	4.7	0.098	0.066	4.5904	

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Results for 100 year +20% CC 2160 minute summer. 3600 minute analysis at 60 minute timestep. Mass balance: 99.84%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2160 minute summer	S78	1140	-0.065	0.296	7.2	0.9510	0.0000	OK
2160 minute summer	S79	1140	-0.065	0.317	9.5	0.9999	0.0000	OK
2160 minute summer	S30	1140	-0.066	0.341	54.6	0.8677	0.0000	OK
2160 minute summer	S31	1140	-0.080	0.256	2.6	0.8479	0.0000	OK
2160 minute summer	S32	1140	-0.080	0.299	4.8	0.9230	0.0000	OK
2160 minute summer	S33	1140	-0.080	0.343	59.7	0.8721	0.0000	OK
2160 minute summer	S34	1140	-0.098	0.341	60.9	0.6029	0.0000	OK
2160 minute summer	S35	1140	-0.124	0.342	61.0	0.6039	0.0000	OK
2160 minute summer	S36	1140	-0.135	0.307	1.1	0.5427	0.0000	OK
2160 minute summer	S37	1140	-0.135	0.336	66.4	1.6524	0.0000	OK
2160 minute summer	S38	2340	-0.170	0.346	66.2	0.6108	0.0000	OK
2160 minute summer	S39	2340	-0.170	0.392	65.9	0.6920	0.0000	OK
2160 minute summer	S56	2340	-0.170	0.389	0.1	0.6867	0.0000	OK
2160 minute summer	S57	2340	-0.170	0.395	65.8	1.0043	0.0000	OK
2160 minute summer	S125	2220	-0.170	0.385	0.4	0.6798	0.0000	OK
2160 minute summer	S127	2340	-0.170	0.409	65.7	1.0400	0.0000	OK
2160 minute summer	S119	2340	-0.170	0.399	0.4	0.7044	0.0000	OK
2160 minute summer	S60	2340	-0.170	0.423	65.5	1.0756	0.0000	OK
2160 minute summer	Pond Inlet 1	2700	-0.170	0.440	65.2	0.7780	0.0000	OK
2160 minute summer	Pond Outlet	2400	-0.171	0.439	32.6	0.4968	0.0000	SURCHARGED
2160 minute summer	S13	2220	-0.171	0.467	0.1	1.6188	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	0.523	0.023	0.8	0.4834	0.0000	OK
2160 minute summer	PP-S25	1140	0.518	0.018	0.7	0.2886	0.0000	OK
2160 minute summer	PP-S16	1140	0.521	0.021	1.2	0.4357	0.0000	OK
2160 minute summer	PP-S145	1140	0.521	0.021	1.4	0.4316	0.0000	OK
2160 minute summer	PP-S4	1140	0.522	0.022	1.1	0.4620	0.0000	OK
2160 minute summer	PP-S1	1140	0.531	0.031	2.7	7.6218	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	7.1	0.076	0.101	4.9826	
2160 minute summer	S79	9.003	S30	9.3	0.079	0.130	6.0196	
2160 minute summer	S30	1.007	S33	54.5	0.422	0.766	4.0941	
2160 minute summer	S31	10.000	S32	2.5	0.061	0.035	8.8408	
2160 minute summer	S32	10.001	S33	4.5	0.037	0.063	10.4129	
2160 minute summer	S33	1.008	S34	59.5	0.461	0.844	4.1690	
2160 minute summer	S34	1.009	S35	60.8	0.471	0.857	6.9330	
2160 minute summer	S35	1.010	S37	60.9	0.476	0.917	1.4509	
2160 minute summer	S36	11.000	S37	1.0	0.008	0.014	6.9717	
2160 minute summer	S37	1.011	S38	66.2	0.526	0.936	11.3666	
2160 minute summer	S38	1.012	S39	65.9	0.538	0.923	12.5296	
2160 minute summer	S39	1.013	S57	65.8	0.553	1.039	1.0952	
2160 minute summer	S56	12.011	S57	-0.1	-0.006	-0.001	1.9079	
2160 minute summer	S57	1.014	S127	65.7	0.576	0.929	4.1911	
2160 minute summer	S125	21.003	S127	-0.4	-0.047	-0.005	7.2881	
2160 minute summer	S127	1.015	S60	65.5	0.608	0.919	4.2332	
2160 minute summer	S119	22.003	S60	-0.4	-0.093	-0.006	7.4738	
2160 minute summer	S60	1.016	Pond Inlet 1	65.2	0.669	0.861	4.6565	
2160 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	32.6	0.011	0.001	2371.7065	
2160 minute summer	Pond Outlet	1.018	S13	0.1	0.080	0.001	0.4779	
2160 minute summer	S13	Pump	Final Outfall	0.0				0.0
2160 minute summer	PP-S26	1.000_1	S26	0.8	0.391	0.021	0.0205	
2160 minute summer	PP-S25	2.000_1	S25	0.7	0.491	0.012	0.0071	
2160 minute summer	PP-S16	3.000_1	S16	1.2	0.646	0.018	0.0093	
2160 minute summer	PP-S145	4.000_2	S145	1.4	0.791	0.017	0.0088	
2160 minute summer	PP-S4	1.000_2	S4	1.1	0.559	0.019	0.0098	
2160 minute summer	PP-S1	4.000_1	S1	2.6	0.803	0.040	0.0164	

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Results for 100 year +20% CC 2160 minute summer. 3600 minute analysis at 60 minute timestep. Mass balance: 99.84%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2160 minute summer	PP-S5	1140	0.523	0.023	1.6	0.5790	0.0000	OK
2160 minute summer	PP-S12	1140	0.513	0.013	0.6	0.2555	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	0.516	0.016	0.9	0.5750	0.0000	OK
2160 minute summer	PP-S15	1140	0.514	0.014	0.7	0.2013	0.0000	OK
2160 minute summer	PP-S75	1140	0.513	0.013	0.6	0.1933	0.0000	OK
2160 minute summer	PP-S24	1140	0.520	0.020	1.6	0.5033	0.0000	OK
2160 minute summer	PP-S30	1140	0.512	0.012	0.6	0.1832	0.0000	OK
2160 minute summer	PP-S33	1140	0.513	0.013	0.7	0.1703	0.0000	OK
2160 minute summer	PP-S34	1140	0.518	0.018	1.4	0.4305	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	0.516	0.016	1.1	0.2666	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	1.6	0.750	0.022	0.0107	
2160 minute summer	PP-S12	8.000_1	S12	0.6	0.643	0.007	0.0047	
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	0.9	0.729	0.010	0.0062	
2160 minute summer	PP-S15	12.000_1	S15	0.7	0.691	0.007	0.0051	
2160 minute summer	PP-S75	13.000_1	S75	0.6	0.681	0.006	0.0044	
2160 minute summer	PP-S24	14.000_1	S92	1.6	0.945	0.016	0.0085	
2160 minute summer	PP-S30	18.000_1	S30	0.6	0.741	0.005	0.0041	
2160 minute summer	PP-S33	20.000_1	S33	0.7	0.790	0.006	0.0044	
2160 minute summer	PP-S34	21.000_1	S34	1.4	0.998	0.012	0.0070	
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	1.1	0.932	0.009	0.0059	

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Results for 100 year +20% 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	1200	-0.092	0.146	0.6	0.2582	0.0000	OK
2160 minute winter	S25	1200	-0.092	0.152	0.5	0.3871	0.0000	OK
2160 minute winter	S16	1200	-0.092	0.175	4.4	0.7763	0.0000	OK
2160 minute winter	S145	1200	-0.093	0.222	8.7	0.9566	0.0000	OK
2160 minute winter	S4	1200	-0.093	0.150	0.8	0.2647	0.0000	OK
2160 minute winter	S5	1200	-0.093	0.191	2.0	0.3371	0.0000	OK
2160 minute winter	S9	1200	-0.093	0.203	0.7	0.4668	0.0000	OK
2160 minute winter	S10	1200	-0.093	0.228	0.7	0.4022	0.0000	OK
2160 minute winter	S11	1200	-0.093	0.233	2.7	0.4110	0.0000	OK
2160 minute winter	S12	1200	-0.093	0.242	3.2	0.4268	0.0000	OK
2160 minute winter	S1	1200	-0.093	0.171	2.8	0.4039	0.0000	OK
2160 minute winter	S3	1200	-0.093	0.214	4.6	0.6847	0.0000	OK
2160 minute winter	S2	1200	-0.093	0.243	5.3	0.4288	0.0000	OK
2160 minute winter	S14	1200	-0.094	0.215	0.1	0.3807	0.0000	OK
2160 minute winter	S15	1200	-0.094	0.252	11.3	1.1363	0.0000	OK
2160 minute winter	S75	1200	-0.095	0.267	20.3	0.6804	0.0000	OK
2160 minute winter	S87	1200	-0.097	0.189	1.9	0.6143	0.0000	OK
2160 minute winter	S88	1200	-0.097	0.211	3.8	0.6890	0.0000	OK
2160 minute winter	S89	1200	-0.097	0.233	5.6	0.7553	0.0000	OK
2160 minute winter	S90	1200	-0.097	0.255	7.5	0.8110	0.0000	OK
2160 minute winter	S92	1200	-0.098	0.281	28.8	0.7151	0.0000	OK
2160 minute winter	S81	1200	-0.102	0.200	1.9	0.6450	0.0000	OK
2160 minute winter	S82	1200	-0.102	0.222	3.8	0.7198	0.0000	OK
2160 minute winter	S83	1200	-0.103	0.242	5.6	0.7827	0.0000	OK
2160 minute winter	S84	1200	-0.103	0.264	7.5	0.8377	0.0000	OK
2160 minute winter	S86	1200	-0.103	0.290	36.2	0.7369	0.0000	OK
2160 minute winter	S76	1200	-0.111	0.206	1.9	0.6639	0.0000	OK
2160 minute winter	S77	1200	-0.111	0.228	3.8	0.7385	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	0.6	0.043	0.009	2.9494	
2160 minute winter	S25	2.000	S16	0.5	0.037	0.007	2.4115	
2160 minute winter	S16	1.001	S145	4.3	0.123	0.060	6.3907	
2160 minute winter	S145	1.002	S75	8.6	0.120	0.121	8.3366	
2160 minute winter	S4	3.000	S5	0.8	0.078	0.012	4.5531	
2160 minute winter	S5	3.001	S11	2.0	0.103	0.029	6.0639	
2160 minute winter	S9	4.000	S10	0.7	0.068	0.010	3.8076	
2160 minute winter	S10	4.001	S11	0.7	0.027	0.009	0.7090	
2160 minute winter	S11	3.002	S12	2.8	0.072	0.039	1.5354	
2160 minute winter	S12	3.003	S15	3.2	0.054	0.046	2.0712	
2160 minute winter	S1	5.000	S3	2.8	0.104	0.039	5.5355	
2160 minute winter	S3	5.001	S2	4.6	0.099	0.065	4.6809	
2160 minute winter	S2	5.002	S15	5.2	0.069	0.077	1.9264	
2160 minute winter	S14	6.000	S15	0.2	-0.006	0.002	6.2360	
2160 minute winter	S15	3.004	S75	11.2	0.119	0.156	2.9719	
2160 minute winter	S75	1.003	S92	20.2	0.201	0.284	3.4061	
2160 minute winter	S87	7.000	S88	1.9	0.088	0.026	2.9587	
2160 minute winter	S88	7.001	S89	3.7	0.111	0.052	3.3824	
2160 minute winter	S89	7.002	S90	5.6	0.122	0.078	3.8035	
2160 minute winter	S90	7.003	S92	7.4	0.084	0.106	5.3603	
2160 minute winter	S92	1.005	S86	28.8	0.273	0.405	2.9482	
2160 minute winter	S81	8.000	S82	1.9	0.087	0.026	3.1601	
2160 minute winter	S82	8.001	S83	3.7	0.105	0.054	3.5753	
2160 minute winter	S83	8.002	S84	5.6	0.112	0.078	3.9864	
2160 minute winter	S84	8.003	S86	7.4	0.075	0.105	5.2896	
2160 minute winter	S86	1.006	S30	36.2	0.333	0.509	3.0395	
2160 minute winter	S76	9.000	S77	1.9	0.085	0.026	3.2913	
2160 minute winter	S77	9.001	S78	3.7	0.105	0.052	3.7164	

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Results for 100 year +20% 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	1200	-0.111	0.250	5.6	0.8043	0.0000	OK
2160 minute winter	S79	1200	-0.111	0.271	7.5	0.8558	0.0000	OK
2160 minute winter	S30	1200	-0.112	0.295	44.1	0.7518	0.0000	OK
2160 minute winter	S31	1200	-0.124	0.212	2.0	0.7021	0.0000	OK
2160 minute winter	S32	1200	-0.124	0.255	3.8	0.7871	0.0000	OK
2160 minute winter	S33	1200	-0.124	0.299	48.2	0.7601	0.0000	OK
2160 minute winter	S34	3420	-0.126	0.313	49.2	0.5523	0.0000	OK
2160 minute winter	S35	3420	-0.126	0.340	49.4	0.6000	0.0000	OK
2160 minute winter	S36	3480	-0.126	0.316	0.8	0.5577	0.0000	OK
2160 minute winter	S37	3420	-0.126	0.345	53.5	1.6940	0.0000	OK
2160 minute winter	S38	3420	-0.126	0.390	53.4	0.6885	0.0000	OK
2160 minute winter	S39	3000	-0.126	0.436	53.3	0.7698	0.0000	OK
2160 minute winter	S56	3000	-0.126	0.433	0.2	0.7645	0.0000	OK
2160 minute winter	S57	3000	-0.126	0.439	53.2	1.1163	0.0000	OK
2160 minute winter	S125	3420	-0.126	0.429	0.7	0.7577	0.0000	OK
2160 minute winter	S127	3480	-0.126	0.453	53.1	1.1518	0.0000	SURCHARGED
2160 minute winter	S119	2160	-0.115	0.454	0.7	0.8028	0.0000	SURCHARGED
2160 minute winter	S60	2160	-0.125	0.468	52.9	1.1907	0.0000	SURCHARGED
2160 minute winter	Pond Inlet 1	2220	-0.123	0.487	52.7	0.8611	0.0000	OK
2160 minute winter	Pond Outlet	2280	-0.128	0.482	26.4	0.5455	0.0000	SURCHARGED
2160 minute winter	S13	2640	-0.128	0.510	0.1	1.7678	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	0.520	0.020	0.6	0.3708	0.0000	OK
2160 minute winter	PP-S25	1140	0.515	0.015	0.5	0.2142	0.0000	OK
2160 minute winter	PP-S16	1140	0.519	0.019	0.9	0.3347	0.0000	OK
2160 minute winter	PP-S145	1140	0.518	0.018	1.1	0.3460	0.0000	OK
2160 minute winter	PP-S4	1140	0.519	0.019	0.8	0.3446	0.0000	OK
2160 minute winter	PP-S1	1140	0.528	0.028	2.1	6.4091	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	5.6	0.103	0.080	4.1267	
2160 minute winter	S79	9.003	S30	7.4	0.073	0.103	5.0963	
2160 minute winter	S30	1.007	S33	44.0	0.400	0.619	3.5173	
2160 minute winter	S31	10.000	S32	2.0	0.079	0.028	7.1622	
2160 minute winter	S32	10.001	S33	3.7	0.046	0.051	8.8149	
2160 minute winter	S33	1.008	S34	48.1	0.434	0.683	3.6825	
2160 minute winter	S34	1.009	S35	49.2	0.441	0.693	6.6030	
2160 minute winter	S35	1.010	S37	49.4	0.444	0.743	1.4646	
2160 minute winter	S36	11.000	S37	0.8	0.008	0.011	7.1660	
2160 minute winter	S37	1.011	S38	53.4	0.488	0.756	12.4838	
2160 minute winter	S38	1.012	S39	53.3	0.490	0.746	13.6928	
2160 minute winter	S39	1.013	S57	53.2	0.499	0.840	1.1720	
2160 minute winter	S56	12.011	S57	-0.2	-0.030	-0.002	2.0447	
2160 minute winter	S57	1.014	S127	53.1	0.516	0.751	4.4324	
2160 minute winter	S125	21.003	S127	-0.7	-0.004	-0.010	7.7478	
2160 minute winter	S127	1.015	S60	52.9	0.543	0.743	4.3863	
2160 minute winter	S119	22.003	S60	-0.7	-0.004	-0.009	7.8145	
2160 minute winter	S60	1.016	Pond Inlet 1	52.7	0.604	0.696	4.7280	
2160 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	26.4	0.013	0.001	2622.9158	
2160 minute winter	Pond Outlet	1.018	S13	0.1	0.135	0.001	0.4779	
2160 minute winter	S13	Pump	Final Outfall	0.0				0.0
2160 minute winter	PP-S26	1.000_1	S26	0.6	0.359	0.016	0.0167	
2160 minute winter	PP-S25	2.000_1	S25	0.5	0.444	0.009	0.0056	
2160 minute winter	PP-S16	3.000_1	S16	0.9	0.593	0.013	0.0076	
2160 minute winter	PP-S145	4.000_2	S145	1.1	0.735	0.013	0.0075	
2160 minute winter	PP-S4	1.000_2	S4	0.8	0.509	0.014	0.0079	
2160 minute winter	PP-S1	4.000_1	S1	2.1	0.750	0.031	0.0139	

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Results for 100 year +20% 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	0.520	0.020	1.2	0.4445	0.0000	OK
2160 minute winter	PP-S12	1140	0.512	0.012	0.5	0.2155	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	0.514	0.014	0.7	0.4575	0.0000	OK
2160 minute winter	PP-S15	1140	0.512	0.012	0.5	0.1473	0.0000	OK
2160 minute winter	PP-S75	1140	0.512	0.012	0.5	0.1637	0.0000	OK
2160 minute winter	PP-S24	1080	0.517	0.017	1.2	0.3865	0.0000	OK
2160 minute winter	PP-S30	1140	0.511	0.011	0.5	0.1556	0.0000	OK
2160 minute winter	PP-S33	1020	0.511	0.011	0.5	0.1260	0.0000	OK
2160 minute winter	PP-S34	1140	0.516	0.016	1.1	0.3477	0.0000	OK
2160 minute winter	PP-S35	1140	0.507	0.007	0.2	0.0626	0.0000	OK
2160 minute winter	PP-S36	1080	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 winter	PP-S5	2.000_2	S5	1.2	0.690	0.016	0.0087	
2160 minute winter	PP-S12	8.000_1	S12	0.5	0.609	0.005	0.0041	
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	0.7	0.676	0.008	0.0052	
2160 minute winter	PP-S15	12.000_1	S15	0.5	0.625	0.005	0.0040	
2160 minute winter	PP-S75	13.000_1	S75	0.5	0.646	0.005	0.0039	
2160 minute winter	PP-S24	14.000_1	S92	1.2	0.863	0.012	0.0070	
2160 minute winter	PP-S30	18.000_1	S30	0.5	0.703	0.004	0.0036	
2160 minute winter	PP-S33	20.000_1	S33	0.5	0.716	0.004	0.0035	
2160 minute winter	PP-S34	21.000_1	S34	1.1	0.928	0.009	0.0059	
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	0.8	0.845	0.007	0.0047	

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Results for 100 year +20% CC 2880 minute summer. 4320 minute analysis at 60 minute timestep. Mass balance: 98.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute summer	S26	1500	-0.089	0.149	0.6	0.2631	0.0000	OK
2880 minute summer	S25	1500	-0.089	0.155	0.5	0.3942	0.0000	OK
2880 minute summer	S16	1500	-0.089	0.178	4.5	0.7888	0.0000	OK
2880 minute summer	S145	1500	-0.090	0.225	8.9	0.9688	0.0000	OK
2880 minute summer	S4	1500	-0.090	0.153	0.9	0.2695	0.0000	OK
2880 minute summer	S5	1500	-0.091	0.193	2.1	0.3418	0.0000	OK
2880 minute summer	S9	1500	-0.091	0.205	0.7	0.4731	0.0000	OK
2880 minute summer	S10	1500	-0.091	0.230	0.7	0.4070	0.0000	OK
2880 minute summer	S11	1500	-0.091	0.235	2.8	0.4158	0.0000	OK
2880 minute summer	S12	1500	-0.091	0.244	3.3	0.4316	0.0000	OK
2880 minute summer	S1	1500	-0.090	0.174	3.0	0.4104	0.0000	OK
2880 minute summer	S3	1500	-0.090	0.217	4.9	0.6936	0.0000	OK
2880 minute summer	S2	1500	-0.091	0.245	5.4	0.4337	0.0000	OK
2880 minute summer	S14	1500	-0.091	0.218	0.3	0.3856	0.0000	OK
2880 minute summer	S15	1500	-0.091	0.255	11.5	1.1487	0.0000	OK
2880 minute summer	S75	1500	-0.092	0.270	20.5	0.6874	0.0000	OK
2880 minute summer	S87	1500	-0.094	0.192	2.0	0.6236	0.0000	OK
2880 minute summer	S88	1500	-0.094	0.214	4.0	0.6983	0.0000	OK
2880 minute summer	S89	1500	-0.094	0.236	5.9	0.7645	0.0000	OK
2880 minute summer	S90	1500	-0.095	0.257	7.8	0.8199	0.0000	OK
2880 minute summer	S92	1500	-0.095	0.284	29.4	0.7221	0.0000	OK
2880 minute summer	S81	1500	-0.099	0.203	2.0	0.6539	0.0000	OK
2880 minute summer	S82	1500	-0.100	0.224	4.0	0.7287	0.0000	OK
2880 minute summer	S83	1500	-0.100	0.245	5.9	0.7915	0.0000	OK
2880 minute summer	S84	1500	-0.100	0.267	7.8	0.8463	0.0000	OK
2880 minute summer	S86	1500	-0.101	0.292	37.0	0.7436	0.0000	OK
2880 minute summer	S76	1500	-0.108	0.209	2.0	0.6719	0.0000	OK
2880 minute summer	S77	1500	-0.108	0.231	4.0	0.7465	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	0.6	0.048	0.008	3.0192	
2880 minute summer	S25	2.000	S16	0.6	0.043	0.008	2.4676	
2880 minute summer	S16	1.001	S145	4.3	0.125	0.061	6.5090	
2880 minute summer	S145	1.002	S75	8.8	0.119	0.124	8.4541	
2880 minute summer	S4	3.000	S5	0.8	0.075	0.012	4.6501	
2880 minute summer	S5	3.001	S11	2.1	0.085	0.029	6.1639	
2880 minute summer	S9	4.000	S10	0.7	0.065	0.009	3.8695	
2880 minute summer	S10	4.001	S11	0.7	0.038	0.009	0.7196	
2880 minute summer	S11	3.002	S12	2.9	0.076	0.041	1.5576	
2880 minute summer	S12	3.003	S15	3.4	0.051	0.049	2.0996	
2880 minute summer	S1	5.000	S3	2.9	0.105	0.040	5.6406	
2880 minute summer	S3	5.001	S2	4.7	0.102	0.067	4.7527	
2880 minute summer	S2	5.002	S15	5.4	0.085	0.079	1.9528	
2880 minute summer	S14	6.000	S15	0.3	0.005	0.004	6.3277	
2880 minute summer	S15	3.004	S75	11.7	0.123	0.163	3.0099	
2880 minute summer	S75	1.003	S92	20.5	0.203	0.288	3.4466	
2880 minute summer	S87	7.000	S88	2.0	0.091	0.027	3.0143	
2880 minute summer	S88	7.001	S89	3.9	0.107	0.054	3.4380	
2880 minute summer	S89	7.002	S90	5.8	0.118	0.081	3.8584	
2880 minute summer	S90	7.003	S92	7.7	0.085	0.109	5.4271	
2880 minute summer	S92	1.005	S86	29.3	0.273	0.412	2.9806	
2880 minute summer	S81	8.000	S82	2.0	0.084	0.027	3.2136	
2880 minute summer	S82	8.001	S83	3.9	0.107	0.056	3.6285	
2880 minute summer	S83	8.002	S84	5.8	0.106	0.081	4.0388	
2880 minute summer	S84	8.003	S86	7.7	0.077	0.108	5.3498	
2880 minute summer	S86	1.006	S30	36.9	0.335	0.519	3.0694	
2880 minute summer	S76	9.000	S77	2.0	0.080	0.027	3.3396	
2880 minute summer	S77	9.001	S78	3.9	0.105	0.054	3.7644	

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Results for 100 year +20% CC 2880 minute summer. 4320 minute analysis at 60 minute timestep. Mass balance: 98.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute summer	S78	1500	-0.108	0.253	5.9	0.8122	0.0000	OK
2880 minute summer	S79	1500	-0.109	0.273	7.8	0.8635	0.0000	OK
2880 minute summer	S30	1500	-0.109	0.298	45.1	0.7578	0.0000	OK
2880 minute summer	S31	1500	-0.122	0.214	2.2	0.7080	0.0000	OK
2880 minute summer	S32	1500	-0.122	0.257	4.0	0.7926	0.0000	OK
2880 minute summer	S33	1500	-0.123	0.300	49.4	0.7646	0.0000	OK
2880 minute summer	S34	1500	-0.139	0.300	50.4	0.5303	0.0000	OK
2880 minute summer	S35	2880	-0.147	0.319	50.5	0.5636	0.0000	OK
2880 minute summer	S36	2880	-0.146	0.296	0.9	0.5222	0.0000	OK
2880 minute summer	S37	2880	-0.147	0.324	54.9	1.5917	0.0000	OK
2880 minute summer	S38	2940	-0.148	0.368	54.7	0.6504	0.0000	OK
2880 minute summer	S39	2940	-0.148	0.414	54.6	0.7322	0.0000	OK
2880 minute summer	S56	2940	-0.148	0.411	0.2	0.7270	0.0000	OK
2880 minute summer	S57	2940	-0.148	0.417	54.5	1.0623	0.0000	OK
2880 minute summer	S125	2940	-0.148	0.407	0.4	0.7199	0.0000	OK
2880 minute summer	S127	2940	-0.148	0.431	54.4	1.0981	0.0000	OK
2880 minute summer	S119	2940	-0.147	0.422	0.3	0.7451	0.0000	OK
2880 minute summer	S60	2940	-0.147	0.446	54.1	1.1339	0.0000	OK
2880 minute summer	Pond Inlet 1	2940	-0.143	0.467	53.9	0.8246	0.0000	OK
2880 minute summer	Pond Outlet	2940	-0.148	0.462	26.9	0.5221	0.0000	SURCHARGED
2880 minute summer	S13	2940	-0.148	0.490	0.1	1.6961	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	0.520	0.020	0.6	0.3708	0.0000	OK
2880 minute summer	PP-S25	1500	0.515	0.015	0.5	0.2142	0.0000	OK
2880 minute summer	PP-S16	1500	0.519	0.019	1.0	0.3689	0.0000	OK
2880 minute summer	PP-S145	1500	0.518	0.018	1.1	0.3460	0.0000	OK
2880 minute summer	PP-S4	1500	0.520	0.020	0.9	0.3846	0.0000	OK
2880 minute summer	PP-S1	1500	0.528	0.028	2.2	6.5738	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	5.8	0.092	0.083	4.1736	
2880 minute summer	S79	9.003	S30	7.7	0.075	0.107	5.1469	
2880 minute summer	S30	1.007	S33	45.0	0.402	0.632	3.5452	
2880 minute summer	S31	10.000	S32	2.1	0.071	0.030	7.2313	
2880 minute summer	S32	10.001	S33	3.9	0.038	0.054	8.8813	
2880 minute summer	S33	1.008	S34	49.3	0.439	0.699	3.6245	
2880 minute summer	S34	1.009	S35	50.3	0.446	0.708	6.1565	
2880 minute summer	S35	1.010	S37	50.5	0.449	0.759	1.3720	
2880 minute summer	S36	11.000	S37	0.8	0.008	0.012	6.6890	
2880 minute summer	S37	1.011	S38	54.7	0.493	0.775	11.7809	
2880 minute summer	S38	1.012	S39	54.6	0.495	0.764	13.1797	
2880 minute summer	S39	1.013	S57	54.5	0.502	0.859	1.1410	
2880 minute summer	S56	12.011	S57	0.2	-0.009	0.003	1.9891	
2880 minute summer	S57	1.014	S127	54.4	0.518	0.768	4.3467	
2880 minute summer	S125	21.003	S127	0.8	-0.081	0.012	7.5754	
2880 minute summer	S127	1.015	S60	54.1	0.540	0.760	4.3539	
2880 minute summer	S119	22.003	S60	0.4	-0.052	0.006	7.7083	
2880 minute summer	S60	1.016	Pond Inlet 1	53.9	0.576	0.711	4.7247	
2880 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	26.9	0.011	0.001	2501.3562	
2880 minute summer	Pond Outlet	1.018	S13	0.1	0.112	0.001	0.4779	
2880 minute summer	S13	Pump	Final Outfall	0.0				0.0
2880 minute summer	PP-S26	1.000_1	S26	0.6	0.359	0.016	0.0167	
2880 minute summer	PP-S25	2.000_1	S25	0.5	0.444	0.009	0.0056	
2880 minute summer	PP-S16	3.000_1	S16	1.0	0.613	0.015	0.0082	
2880 minute summer	PP-S145	4.000_2	S145	1.1	0.735	0.013	0.0075	
2880 minute summer	PP-S4	1.000_2	S4	0.9	0.528	0.016	0.0085	
2880 minute summer	PP-S1	4.000_1	S1	2.2	0.757	0.032	0.0142	

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Results for 100 year +20% CC 2880 minute summer. 4320 minute analysis at 60 minute timestep. Mass balance: 98.99%

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	0.521	0.021	1.3	0.4777	0.0000	OK
2880 minute summer	PP-S12	1500	0.512	0.012	0.5	0.2155	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	0.514	0.014	0.7	0.4575	0.0000	OK
2880 minute summer	PP-S15	1500	0.512	0.012	0.5	0.1473	0.0000	OK
2880 minute summer	PP-S75	1500	0.512	0.012	0.5	0.1637	0.0000	OK
2880 minute summer	PP-S24	1500	0.518	0.018	1.3	0.4154	0.0000	OK
2880 minute summer	PP-S30	1500	0.511	0.011	0.5	0.1556	0.0000	OK
2880 minute summer	PP-S33	1500	0.512	0.012	0.6	0.1480	0.0000	OK
2880 minute summer	PP-S34	1500	0.516	0.016	1.1	0.3477	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	0.514	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 summer	PP-S5	2.000_2	S5	1.3	0.706	0.018	0.0092	
2880 minute summer	PP-S12	8.000_1	S12	0.5	0.609	0.005	0.0041	
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	0.7	0.676	0.008	0.0052	
2880 minute summer	PP-S15	12.000_1	S15	0.5	0.625	0.005	0.0040	
2880 minute summer	PP-S75	13.000_1	S75	0.5	0.646	0.005	0.0039	
2880 minute summer	PP-S24	14.000_1	S92	1.3	0.885	0.013	0.0073	
2880 minute summer	PP-S30	18.000_1	S30	0.5	0.703	0.004	0.0036	
2880 minute summer	PP-S33	20.000_1	S33	0.6	0.754	0.005	0.0040	
2880 minute summer	PP-S34	21.000_1	S34	1.1	0.928	0.009	0.0059	
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	0.9	0.877	0.008	0.0051	

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Results for 100 year +20% CC 2880 minute winter. 4320 minute analysis at 60 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
2880 minute winter	S26	2880	-0.096	0.142	0.5	0.2513	0.0000	OK
2880 minute winter	S25	4080	-0.096	0.148	0.4	0.3773	0.0000	OK
2880 minute winter	S16	2880	-0.096	0.171	3.5	0.7593	0.0000	OK
2880 minute winter	S145	2880	-0.096	0.219	6.8	0.9446	0.0000	OK
2880 minute winter	S4	2880	-0.096	0.147	0.7	0.2603	0.0000	OK
2880 minute winter	S5	2880	-0.096	0.188	1.7	0.3329	0.0000	OK
2880 minute winter	S9	2880	-0.095	0.201	0.5	0.4622	0.0000	OK
2880 minute winter	S10	2880	-0.096	0.225	0.5	0.3984	0.0000	OK
2880 minute winter	S11	2880	-0.096	0.230	2.1	0.4071	0.0000	OK
2880 minute winter	S12	2880	-0.096	0.239	2.5	0.4229	0.0000	OK
2880 minute winter	S1	2880	-0.096	0.168	2.3	0.3962	0.0000	OK
2880 minute winter	S3	2880	-0.096	0.211	3.8	0.6762	0.0000	OK
2880 minute winter	S2	2880	-0.096	0.240	4.2	0.4245	0.0000	OK
2880 minute winter	S14	2880	-0.096	0.213	0.1	0.3769	0.0000	OK
2880 minute winter	S15	2880	-0.096	0.250	9.1	1.1265	0.0000	OK
2880 minute winter	S75	2880	-0.096	0.266	16.2	0.6781	0.0000	OK
2880 minute winter	S87	2880	-0.095	0.191	1.5	0.6188	0.0000	OK
2880 minute winter	S88	3720	-0.096	0.212	3.0	0.6920	0.0000	OK
2880 minute winter	S89	2880	-0.096	0.234	4.5	0.7600	0.0000	OK
2880 minute winter	S90	4200	-0.096	0.256	5.9	0.8158	0.0000	OK
2880 minute winter	S92	2880	-0.096	0.283	23.1	0.7210	0.0000	OK
2880 minute winter	S81	2880	-0.096	0.206	1.5	0.6667	0.0000	OK
2880 minute winter	S82	2880	-0.096	0.228	3.0	0.7418	0.0000	OK
2880 minute winter	S83	2880	-0.096	0.249	4.5	0.8046	0.0000	OK
2880 minute winter	S84	2880	-0.096	0.271	5.9	0.8612	0.0000	OK
2880 minute winter	S86	2880	-0.096	0.297	29.0	0.7569	0.0000	OK
2880 minute winter	S76	2880	-0.096	0.221	1.5	0.7117	0.0000	OK
2880 minute winter	S77	2880	-0.096	0.243	3.0	0.7865	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	0.5	0.046	0.007	2.8536	
2880 minute winter	S25	2.000	S16	0.4	0.039	0.006	2.3344	
2880 minute winter	S16	1.001	S145	3.4	0.121	0.048	6.2520	
2880 minute winter	S145	1.002	S75	6.8	0.117	0.096	8.2588	
2880 minute winter	S4	3.000	S5	0.7	0.075	0.010	4.4662	
2880 minute winter	S5	3.001	S11	1.6	0.087	0.023	5.9799	
2880 minute winter	S9	4.000	S10	0.5	0.081	0.007	3.7600	
2880 minute winter	S10	4.001	S11	0.5	0.068	0.007	0.7005	
2880 minute winter	S11	3.002	S12	2.1	0.081	0.030	1.5175	
2880 minute winter	S12	3.003	S15	2.5	0.049	0.036	2.0484	
2880 minute winter	S1	5.000	S3	2.3	0.105	0.032	5.4239	
2880 minute winter	S3	5.001	S2	3.7	0.096	0.052	4.6147	
2880 minute winter	S2	5.002	S15	4.2	0.090	0.062	1.9042	
2880 minute winter	S14	6.000	S15	-0.1	-0.008	-0.001	6.1634	
2880 minute winter	S15	3.004	S75	9.1	0.118	0.127	2.9507	
2880 minute winter	S75	1.003	S92	16.2	0.195	0.228	3.4165	
2880 minute winter	S87	7.000	S88	1.5	0.088	0.021	2.9789	
2880 minute winter	S88	7.001	S89	3.0	0.108	0.041	3.4034	
2880 minute winter	S89	7.002	S90	4.4	0.124	0.062	3.8307	
2880 minute winter	S90	7.003	S92	5.9	0.095	0.084	5.4044	
2880 minute winter	S92	1.005	S86	23.1	0.263	0.325	3.0090	
2880 minute winter	S81	8.000	S82	1.5	0.085	0.021	3.2913	
2880 minute winter	S82	8.001	S83	3.0	0.103	0.042	3.7071	
2880 minute winter	S83	8.002	S84	4.4	0.123	0.062	4.1228	
2880 minute winter	S84	8.003	S86	5.9	0.081	0.083	5.4608	
2880 minute winter	S86	1.006	S30	28.9	0.318	0.407	3.1808	
2880 minute winter	S76	9.000	S77	1.5	0.081	0.021	3.5801	
2880 minute winter	S77	9.001	S78	3.0	0.096	0.041	4.0057	

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Results for 100 year +20% CC 2880 minute winter. 4320 minute analysis at 60 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
2880 minute winter	S78	2880	-0.096	0.265	4.5	0.8526	0.0000	OK
2880 minute winter	S79	2880	-0.096	0.286	5.9	0.9048	0.0000	OK
2880 minute winter	S30	2880	-0.096	0.311	35.2	0.7927	0.0000	OK
2880 minute winter	S31	2880	-0.096	0.240	1.6	0.7960	0.0000	OK
2880 minute winter	S32	2880	-0.096	0.283	3.0	0.8749	0.0000	OK
2880 minute winter	S33	2880	-0.095	0.328	38.5	0.8338	0.0000	OK
2880 minute winter	S34	2880	-0.095	0.344	39.2	0.6071	0.0000	OK
2880 minute winter	S35	2880	-0.096	0.370	39.3	0.6542	0.0000	OK
2880 minute winter	S36	2880	-0.096	0.346	0.7	0.6122	0.0000	OK
2880 minute winter	S37	2880	-0.096	0.375	42.6	1.8445	0.0000	OK
2880 minute winter	S38	2880	-0.096	0.420	42.5	0.7426	0.0000	OK
2880 minute winter	S39	4080	-0.096	0.466	42.4	0.8238	0.0000	SURCHARGED
2880 minute winter	S56	2880	-0.096	0.463	0.1	0.8188	0.0000	SURCHARGED
2880 minute winter	S57	2880	-0.096	0.469	42.3	1.1943	0.0000	SURCHARGED
2880 minute winter	S125	4200	-0.095	0.460	1.1	0.8124	0.0000	SURCHARGED
2880 minute winter	S127	4200	-0.096	0.483	42.2	1.2302	0.0000	SURCHARGED
2880 minute winter	S119	4320	-0.096	0.473	2.1	0.8363	0.0000	SURCHARGED
2880 minute winter	S60	3660	-0.096	0.497	42.0	1.2656	0.0000	SURCHARGED
2880 minute winter	Pond Inlet 1	2880	-0.090	0.520	41.8	0.9187	0.0000	OK
2880 minute winter	Pond Outlet	3000	-0.097	0.513	20.9	0.5800	0.0000	SURCHARGED
2880 minute winter	S13	3000	-0.097	0.541	0.1	1.8737	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	1560	0.518	0.018	0.5	0.3152	0.0000	OK
2880 minute winter	PP-S25	1440	0.514	0.014	0.4	0.1738	0.0000	OK
2880 minute winter	PP-S16	1440	0.516	0.016	0.7	0.2673	0.0000	OK
2880 minute winter	PP-S145	1380	0.516	0.016	0.8	0.2613	0.0000	OK
2880 minute winter	PP-S4	1500	0.518	0.018	0.7	0.3050	0.0000	OK
2880 minute winter	PP-S1	1500	0.525	0.025	1.7	5.4426	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	4.4	0.116	0.063	4.4183	
2880 minute winter	S79	9.003	S30	5.9	0.070	0.082	5.4249	
2880 minute winter	S30	1.007	S33	35.2	0.379	0.494	3.8140	
2880 minute winter	S31	10.000	S32	1.6	0.091	0.023	8.2513	
2880 minute winter	S32	10.001	S33	3.0	0.043	0.042	9.8709	
2880 minute winter	S33	1.008	S34	38.4	0.410	0.545	4.0886	
2880 minute winter	S34	1.009	S35	39.2	0.413	0.552	7.2351	
2880 minute winter	S35	1.010	S37	39.3	0.414	0.591	1.5901	
2880 minute winter	S36	11.000	S37	0.7	-0.026	0.009	7.8327	
2880 minute winter	S37	1.011	S38	42.5	0.451	0.602	13.3504	
2880 minute winter	S38	1.012	S39	42.4	0.443	0.594	14.1288	
2880 minute winter	S39	1.013	S57	42.3	0.445	0.668	1.1814	
2880 minute winter	S56	12.011	S57	0.7	-0.059	0.010	2.0645	
2880 minute winter	S57	1.014	S127	42.2	0.458	0.597	4.4483	
2880 minute winter	S125	21.003	S127	-1.1	-0.007	-0.015	7.8151	
2880 minute winter	S127	1.015	S60	42.0	0.474	0.590	4.3871	
2880 minute winter	S119	22.003	S60	-2.1	-0.013	-0.030	7.8151	
2880 minute winter	S60	1.016	Pond Inlet 1	41.8	0.530	0.552	4.7280	
2880 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	20.9	0.010	0.000	2801.7400	
2880 minute winter	Pond Outlet	1.018	S13	0.1	0.014	0.001	0.4779	
2880 minute winter	S13	Pump	Final Outfall	0.0				0.0
2880 minute winter	PP-S26	1.000_1	S26	0.5	0.345	0.013	0.0145	
2880 minute winter	PP-S25	2.000_1	S25	0.4	0.414	0.007	0.0048	
2880 minute winter	PP-S16	3.000_1	S16	0.7	0.549	0.010	0.0064	
2880 minute winter	PP-S145	4.000_2	S145	0.8	0.667	0.009	0.0060	
2880 minute winter	PP-S4	1.000_2	S4	0.7	0.488	0.012	0.0072	
2880 minute winter	PP-S1	4.000_1	S1	1.7	0.704	0.025	0.0119	

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Results for 100 year +20% CC 2880 minute winter. 4320 minute analysis at 60 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
2880 minute winter	PP-S5	1500	0.519	0.019	1.0	0.3762	0.0000	OK
2880 minute winter	PP-S12	1500	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	0.512	0.012	0.5	0.3326	0.0000	OK
2880 minute winter	PP-S15	1440	0.511	0.011	0.4	0.1210	0.0000	OK
2880 minute winter	PP-S75	1380	0.511	0.011	0.4	0.1345	0.0000	OK
2880 minute winter	PP-S24	1500	0.516	0.016	1.0	0.3293	0.0000	OK
2880 minute winter	PP-S30	1440	0.510	0.010	0.4	0.1284	0.0000	OK
2880 minute winter	PP-S33	1320	0.510	0.010	0.4	0.1044	0.0000	OK
2880 minute winter	PP-S34	1440	0.513	0.013	0.8	0.2602	0.0000	OK
2880 minute winter	PP-S35	1080	0.505	0.005	0.1	0.0345	0.0000	OK
2880 minute winter	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 winter	PP-S5	2.000_2	S5	1.0	0.653	0.013	0.0077	
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	0.5	0.611	0.005	0.0041	
2880 minute winter	PP-S15	12.000_1	S15	0.4	0.586	0.004	0.0034	
2880 minute winter	PP-S75	13.000_1	S75	0.4	0.606	0.004	0.0033	
2880 minute winter	PP-S24	14.000_1	S92	1.0	0.817	0.010	0.0061	
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	0.4	0.673	0.004	0.0030	
2880 minute winter	PP-S34	21.000_1	S34	0.8	0.842	0.007	0.0048	
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	0.7	0.812	0.006	0.0043	

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Results for 100 year +20% CC 4320 minute summer. 5760 minute analysis at 60 minute timestep. Mass balance: 99.88%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
4320 minute summer	S26	5100	-0.120	0.118	0.5	0.2092	0.0000	OK
4320 minute summer	S25	5640	-0.120	0.124	0.4	0.3165	0.0000	OK
4320 minute summer	S16	5640	-0.120	0.147	3.4	0.6533	0.0000	OK
4320 minute summer	S145	5640	-0.120	0.195	6.8	0.8412	0.0000	OK
4320 minute summer	S4	5640	-0.120	0.123	0.7	0.2181	0.0000	OK
4320 minute summer	S5	5640	-0.120	0.164	1.7	0.2905	0.0000	OK
4320 minute summer	S9	5280	-0.120	0.176	0.5	0.4064	0.0000	OK
4320 minute summer	S10	5280	-0.120	0.201	0.5	0.3558	0.0000	OK
4320 minute summer	S11	5280	-0.120	0.206	2.2	0.3647	0.0000	OK
4320 minute summer	S12	5280	-0.120	0.215	2.6	0.3805	0.0000	OK
4320 minute summer	S1	5520	-0.120	0.144	2.2	0.3401	0.0000	OK
4320 minute summer	S3	5280	-0.120	0.187	3.5	0.5991	0.0000	OK
4320 minute summer	S2	5280	-0.120	0.216	4.0	0.3823	0.0000	OK
4320 minute summer	S14	5280	-0.120	0.189	0.4	0.3346	0.0000	OK
4320 minute summer	S15	5280	-0.120	0.226	8.8	1.0188	0.0000	OK
4320 minute summer	S75	5280	-0.120	0.242	15.6	0.6167	0.0000	OK
4320 minute summer	S87	5400	-0.120	0.166	1.5	0.5398	0.0000	OK
4320 minute summer	S88	5580	-0.120	0.188	3.0	0.6143	0.0000	OK
4320 minute summer	S89	5580	-0.120	0.210	4.4	0.6819	0.0000	OK
4320 minute summer	S90	5580	-0.120	0.232	5.9	0.7401	0.0000	OK
4320 minute summer	S92	5640	-0.120	0.259	22.3	0.6599	0.0000	OK
4320 minute summer	S81	5040	-0.120	0.182	1.5	0.5885	0.0000	OK
4320 minute summer	S82	5040	-0.120	0.204	3.0	0.6633	0.0000	OK
4320 minute summer	S83	5040	-0.120	0.225	4.4	0.7272	0.0000	OK
4320 minute summer	S84	5220	-0.120	0.247	5.9	0.7845	0.0000	OK
4320 minute summer	S86	5640	-0.120	0.273	28.1	0.6956	0.0000	OK
4320 minute summer	S76	5640	-0.120	0.197	1.5	0.6347	0.0000	OK
4320 minute summer	S77	5640	-0.120	0.219	3.0	0.7094	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	2.2724	
4320 minute summer	S25	2.000	S16	0.4	0.043	0.006	1.8687	
4320 minute summer	S16	1.001	S145	3.4	0.122	0.047	5.2577	
4320 minute summer	S145	1.002	S75	6.7	0.120	0.094	7.2419	
4320 minute summer	S4	3.000	S5	0.7	0.075	0.009	3.6239	
4320 minute summer	S5	3.001	S11	1.6	0.107	0.023	5.0980	
4320 minute summer	S9	4.000	S10	0.5	0.060	0.008	3.2126	
4320 minute summer	S10	4.001	S11	0.6	0.039	0.007	0.6068	
4320 minute summer	S11	3.002	S12	2.3	0.093	0.032	1.3222	
4320 minute summer	S12	3.003	S15	2.6	0.058	0.038	1.7988	
4320 minute summer	S1	5.000	S3	2.1	0.105	0.030	4.5313	
4320 minute summer	S3	5.001	S2	3.5	0.105	0.049	3.9929	
4320 minute summer	S2	5.002	S15	4.0	0.088	0.059	1.6731	
4320 minute summer	S14	6.000	S15	-0.4	0.007	-0.006	5.3622	
4320 minute summer	S15	3.004	S75	8.9	0.121	0.124	2.6146	
4320 minute summer	S75	1.003	S92	15.7	0.196	0.220	3.0584	
4320 minute summer	S87	7.000	S88	1.5	0.090	0.021	2.5188	
4320 minute summer	S88	7.001	S89	2.9	0.108	0.041	2.9406	
4320 minute summer	S89	7.002	S90	4.4	0.106	0.061	3.3674	
4320 minute summer	S90	7.003	S92	5.8	0.078	0.083	4.8294	
4320 minute summer	S92	1.005	S86	22.3	0.261	0.313	2.7177	
4320 minute summer	S81	8.000	S82	1.5	0.085	0.021	2.8228	
4320 minute summer	S82	8.001	S83	2.9	0.103	0.042	3.2393	
4320 minute summer	S83	8.002	S84	4.4	0.099	0.061	3.6572	
4320 minute summer	S84	8.003	S86	5.8	0.073	0.082	4.9139	
4320 minute summer	S86	1.006	S30	28.0	0.317	0.395	2.8930	
4320 minute summer	S76	9.000	S77	1.5	0.081	0.021	3.1155	
4320 minute summer	S77	9.001	S78	2.9	0.095	0.041	3.5424	

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Results for 100 year +20% CC 4320 minute summer. 5760 minute analysis at 60 minute timestep. Mass balance: 99.88%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
4320 minute summer	S78	5640	-0.120	0.241	4.4	0.7757	0.0000	OK
4320 minute summer	S79	5640	-0.120	0.262	5.9	0.8288	0.0000	OK
4320 minute summer	S30	5640	-0.120	0.287	34.2	0.7313	0.0000	OK
4320 minute summer	S31	5640	-0.120	0.216	1.6	0.7167	0.0000	OK
4320 minute summer	S32	5640	-0.120	0.259	2.9	0.8010	0.0000	OK
4320 minute summer	S33	5640	-0.120	0.303	37.4	0.7719	0.0000	OK
4320 minute summer	S34	5220	-0.120	0.319	38.2	0.5642	0.0000	OK
4320 minute summer	S35	5280	-0.120	0.346	38.2	0.6119	0.0000	OK
4320 minute summer	S36	4320	-0.119	0.323	0.6	0.5702	0.0000	OK
4320 minute summer	S37	5280	-0.120	0.351	41.3	1.7271	0.0000	OK
4320 minute summer	S38	5280	-0.120	0.396	41.2	0.7003	0.0000	OK
4320 minute summer	S39	4320	-0.119	0.443	41.0	0.7826	0.0000	OK
4320 minute summer	S56	4320	-0.119	0.440	0.2	0.7768	0.0000	OK
4320 minute summer	S57	4320	-0.119	0.446	40.9	1.1345	0.0000	OK
4320 minute summer	S125	4320	-0.119	0.436	0.8	0.7709	0.0000	OK
4320 minute summer	S127	5760	-0.120	0.459	40.9	1.1689	0.0000	SURCHARGED
4320 minute summer	S119	5760	-0.119	0.450	1.5	0.7944	0.0000	OK
4320 minute summer	S60	5760	-0.120	0.473	40.6	1.2050	0.0000	SURCHARGED
4320 minute summer	Pond Inlet 1	4380	-0.116	0.494	40.4	0.8733	0.0000	OK
4320 minute summer	Pond Outlet	4440	-0.121	0.489	20.2	0.5532	0.0000	SURCHARGED
4320 minute summer	S13	4440	-0.121	0.517	0.1	1.7914	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	2220	0.518	0.018	0.5	0.3152	0.0000	OK
4320 minute summer	PP-S25	2220	0.514	0.014	0.4	0.1738	0.0000	OK
4320 minute summer	PP-S16	2220	0.516	0.016	0.7	0.2673	0.0000	OK
4320 minute summer	PP-S145	2220	0.516	0.016	0.8	0.2613	0.0000	OK
4320 minute summer	PP-S4	2220	0.518	0.018	0.7	0.3050	0.0000	OK
4320 minute summer	PP-S1	2220	0.524	0.024	1.6	5.1552	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	4.4	0.091	0.063	3.9586	
4320 minute summer	S79	9.003	S30	5.8	0.071	0.081	4.9207	
4320 minute summer	S30	1.007	S33	34.2	0.377	0.480	3.4936	
4320 minute summer	S31	10.000	S32	1.6	0.085	0.022	7.3343	
4320 minute summer	S32	10.001	S33	2.8	0.039	0.040	8.9865	
4320 minute summer	S33	1.008	S34	37.4	0.408	0.530	3.7729	
4320 minute summer	S34	1.009	S35	38.1	0.411	0.536	6.7466	
4320 minute summer	S35	1.010	S37	38.2	0.410	0.574	1.4935	
4320 minute summer	S36	11.000	S37	1.0	0.010	0.014	7.3177	
4320 minute summer	S37	1.011	S38	41.2	0.443	0.583	12.6889	
4320 minute summer	S38	1.012	S39	41.0	0.430	0.574	13.8214	
4320 minute summer	S39	1.013	S57	40.9	0.426	0.646	1.1786	
4320 minute summer	S56	12.011	S57	0.5	-0.023	0.007	2.0570	
4320 minute summer	S57	1.014	S127	40.9	0.432	0.578	4.4453	
4320 minute summer	S125	21.003	S127	1.4	0.009	0.019	7.7817	
4320 minute summer	S127	1.015	S60	40.6	0.434	0.571	4.3871	
4320 minute summer	S119	22.003	S60	1.5	0.009	0.021	7.8119	
4320 minute summer	S60	1.016	Pond Inlet 1	40.4	0.436	0.534	4.7280	
4320 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	20.2	0.008	0.000	2662.4333	
4320 minute summer	Pond Outlet	1.018	S13	0.1	0.061	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	0.4	0.414	0.007	0.0048	
4320 minute summer	PP-S16	3.000_1	S16	0.7	0.549	0.010	0.0064	
4320 minute summer	PP-S145	4.000_2	S145	0.8	0.667	0.009	0.0060	
4320 minute summer	PP-S4	1.000_2	S4	0.7	0.488	0.012	0.0072	
4320 minute summer	PP-S1	4.000_1	S1	1.6	0.690	0.024	0.0114	

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Results for 100 year +20% CC 4320 minute summer. 5760 minute analysis at 60 minute timestep. Mass balance: 99.88%

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	0.519	0.019	1.0	0.3762	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	2280	0.512	0.012	0.5	0.3326	0.0000	OK
4320 minute summer	PP-S15	2220	0.511	0.011	0.4	0.1210	0.0000	OK
4320 minute summer	PP-S75	2220	0.511	0.011	0.4	0.1345	0.0000	OK
4320 minute summer	PP-S24	2220	0.516	0.016	1.0	0.3293	0.0000	OK
4320 minute summer	PP-S30	2220	0.510	0.010	0.4	0.1284	0.0000	OK
4320 minute summer	PP-S33	2160	0.510	0.010	0.4	0.1044	0.0000	OK
4320 minute summer	PP-S34	2220	0.513	0.013	0.8	0.2602	0.0000	OK
4320 minute summer	PP-S35	1860	0.505	0.005	0.1	0.0345	0.0000	OK
4320 minute summer	PP-S36	2160	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 summer	PP-S5	2.000_2	S5	1.0	0.653	0.013	0.0077	
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	0.5	0.611	0.005	0.0041	
4320 minute summer	PP-S15	12.000_1	S15	0.4	0.586	0.004	0.0034	
4320 minute summer	PP-S75	13.000_1	S75	0.4	0.606	0.004	0.0033	
4320 minute summer	PP-S24	14.000_1	S92	1.0	0.817	0.010	0.0061	
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	0.4	0.673	0.004	0.0030	
4320 minute summer	PP-S34	21.000_1	S34	0.8	0.842	0.007	0.0048	
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	0.6	0.776	0.005	0.0039	

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Results for 100 year +20% CC 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	5640	-0.064	0.174	0.3	0.3068	0.0000	OK
4320 minute winter	S25	4260	-0.064	0.180	0.3	0.4571	0.0000	OK
4320 minute winter	S16	5640	-0.064	0.203	2.5	0.8985	0.0000	OK
4320 minute winter	S145	5640	-0.064	0.251	5.0	1.0791	0.0000	OK
4320 minute winter	S4	5760	-0.064	0.179	0.5	0.3158	0.0000	OK
4320 minute winter	S5	4260	-0.064	0.220	1.2	0.3881	0.0000	OK
4320 minute winter	S9	5340	-0.064	0.232	0.4	0.5338	0.0000	OK
4320 minute winter	S10	5580	-0.064	0.257	0.6	0.4535	0.0000	OK
4320 minute winter	S11	5580	-0.064	0.262	1.6	0.4623	0.0000	OK
4320 minute winter	S12	5580	-0.064	0.271	1.8	0.4782	0.0000	OK
4320 minute winter	S1	5400	-0.064	0.200	1.6	0.4703	0.0000	OK
4320 minute winter	S3	4260	-0.064	0.243	2.7	0.7760	0.0000	OK
4320 minute winter	S2	4260	-0.064	0.272	3.1	0.4801	0.0000	OK
4320 minute winter	S14	4260	-0.064	0.245	0.3	0.4323	0.0000	OK
4320 minute winter	S15	5580	-0.064	0.282	6.7	1.2675	0.0000	OK
4320 minute winter	S75	4260	-0.064	0.298	11.8	0.7578	0.0000	OK
4320 minute winter	S87	4260	-0.064	0.222	1.1	0.7195	0.0000	OK
4320 minute winter	S88	4260	-0.064	0.244	2.2	0.7947	0.0000	OK
4320 minute winter	S89	5520	-0.064	0.266	3.3	0.8608	0.0000	OK
4320 minute winter	S90	4260	-0.064	0.288	4.4	0.9164	0.0000	OK
4320 minute winter	S92	5640	-0.064	0.315	16.8	0.8006	0.0000	OK
4320 minute winter	S81	4260	-0.064	0.238	1.1	0.7687	0.0000	OK
4320 minute winter	S82	4260	-0.064	0.260	2.2	0.8431	0.0000	OK
4320 minute winter	S83	4260	-0.064	0.281	3.3	0.9063	0.0000	OK
4320 minute winter	S84	4260	-0.064	0.303	4.4	0.9599	0.0000	OK
4320 minute winter	S86	5640	-0.064	0.329	21.1	0.8362	0.0000	OK
4320 minute winter	S76	4260	-0.064	0.253	1.1	0.8133	0.0000	OK
4320 minute winter	S77	5760	-0.064	0.275	2.2	0.8879	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	3.6467	
4320 minute winter	S25	2.000	S16	0.3	0.043	0.004	2.9695	
4320 minute winter	S16	1.001	S145	2.5	0.120	0.034	7.5713	
4320 minute winter	S145	1.002	S75	4.9	0.116	0.070	9.5605	
4320 minute winter	S4	3.000	S5	0.5	0.075	0.007	5.6018	
4320 minute winter	S5	3.001	S11	1.2	0.090	0.017	7.1317	
4320 minute winter	S9	4.000	S10	0.6	0.062	0.008	4.4688	
4320 minute winter	S10	4.001	S11	0.4	0.037	0.005	0.8218	
4320 minute winter	S11	3.002	S12	1.6	0.090	0.022	1.7701	
4320 minute winter	S12	3.003	S15	1.8	0.058	0.027	2.3707	
4320 minute winter	S1	5.000	S3	1.6	0.105	0.022	6.6122	
4320 minute winter	S3	5.001	S2	2.7	0.104	0.037	5.4251	
4320 minute winter	S2	5.002	S15	3.0	0.087	0.045	2.2031	
4320 minute winter	S14	6.000	S15	-0.3	-0.003	-0.004	7.2062	
4320 minute winter	S15	3.004	S75	6.6	0.120	0.092	3.3784	
4320 minute winter	S75	1.003	S92	11.8	0.186	0.166	3.8674	
4320 minute winter	S87	7.000	S88	1.1	0.092	0.015	3.5885	
4320 minute winter	S88	7.001	S89	2.2	0.108	0.031	4.0124	
4320 minute winter	S89	7.002	S90	3.3	0.109	0.046	4.4330	
4320 minute winter	S90	7.003	S92	4.3	0.116	0.062	6.1442	
4320 minute winter	S92	1.005	S86	16.8	0.247	0.237	3.3727	
4320 minute winter	S81	8.000	S82	1.1	0.085	0.015	3.9011	
4320 minute winter	S82	8.001	S83	2.2	0.105	0.031	4.3110	
4320 minute winter	S83	8.002	S84	3.3	0.103	0.046	4.7154	
4320 minute winter	S84	8.003	S86	4.3	0.113	0.061	6.1402	
4320 minute winter	S86	1.006	S30	21.1	0.296	0.297	3.5332	
4320 minute winter	S76	9.000	S77	1.1	0.081	0.015	4.1877	
4320 minute winter	S77	9.001	S78	2.2	0.100	0.030	4.6022	

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Results for 100 year +20% CC 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	4260	-0.064	0.297	3.3	0.9534	0.0000	OK
4320 minute winter	S79	5580	-0.064	0.318	4.3	1.0033	0.0000	OK
4320 minute winter	S30	4260	-0.064	0.343	25.7	0.8719	0.0000	OK
4320 minute winter	S31	4260	-0.064	0.272	1.2	0.8999	0.0000	OK
4320 minute winter	S32	5280	-0.064	0.315	2.2	0.9717	0.0000	OK
4320 minute winter	S33	5640	-0.064	0.359	28.1	0.9125	0.0000	OK
4320 minute winter	S34	5460	-0.064	0.375	28.7	0.6619	0.0000	OK
4320 minute winter	S35	4260	-0.064	0.402	28.7	0.7097	0.0000	OK
4320 minute winter	S36	4260	-0.064	0.378	0.5	0.6677	0.0000	OK
4320 minute winter	S37	4260	-0.064	0.407	31.1	1.9993	0.0000	OK
4320 minute winter	S38	5640	-0.064	0.452	31.0	0.7981	0.0000	SURCHARGED
4320 minute winter	S39	4200	-0.063	0.499	30.9	0.8818	0.0000	SURCHARGED
4320 minute winter	S56	4200	-0.063	0.496	0.4	0.8763	0.0000	SURCHARGED
4320 minute winter	S57	4200	-0.063	0.502	30.8	1.2780	0.0000	SURCHARGED
4320 minute winter	S125	4200	-0.063	0.492	0.5	0.8688	0.0000	SURCHARGED
4320 minute winter	S127	4200	-0.062	0.517	30.7	1.3153	0.0000	SURCHARGED
4320 minute winter	S119	5100	-0.064	0.505	0.3	0.8921	0.0000	SURCHARGED
4320 minute winter	S60	5100	-0.064	0.529	30.5	1.3459	0.0000	SURCHARGED
4320 minute winter	Pond Inlet 1	4260	-0.058	0.552	30.3	0.9745	0.0000	OK
4320 minute winter	Pond Outlet	4380	-0.066	0.544	15.2	0.6154	0.0000	SURCHARGED
4320 minute winter	S13	4440	-0.066	0.572	0.1	1.9819	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	2040	0.514	0.014	0.3	0.2027	0.0000	OK
4320 minute winter	PP-S25	2040	0.512	0.012	0.3	0.1335	0.0000	OK
4320 minute winter	PP-S16	2040	0.514	0.014	0.5	0.1986	0.0000	OK
4320 minute winter	PP-S145	2100	0.514	0.014	0.6	0.2022	0.0000	OK
4320 minute winter	PP-S4	2160	0.515	0.015	0.5	0.2272	0.0000	OK
4320 minute winter	PP-S1	2280	0.521	0.021	1.2	4.0776	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	3.2	0.094	0.047	4.9988	
4320 minute winter	S79	9.003	S30	4.3	0.097	0.060	6.0452	
4320 minute winter	S30	1.007	S33	25.7	0.351	0.361	4.1976	
4320 minute winter	S31	10.000	S32	1.2	0.088	0.017	9.4243	
4320 minute winter	S32	10.001	S33	2.1	0.079	0.030	10.9520	
4320 minute winter	S33	1.008	S34	28.1	0.377	0.398	4.4584	
4320 minute winter	S34	1.009	S35	28.6	0.377	0.403	7.7969	
4320 minute winter	S35	1.010	S37	28.7	0.375	0.432	1.6994	
4320 minute winter	S36	11.000	S37	0.9	0.008	0.013	8.4263	
4320 minute winter	S37	1.011	S38	31.0	0.401	0.439	13.9763	
4320 minute winter	S38	1.012	S39	30.9	0.382	0.432	14.3250	
4320 minute winter	S39	1.013	S57	30.8	0.378	0.486	1.1814	
4320 minute winter	S56	12.011	S57	-0.4	-0.003	-0.006	2.0645	
4320 minute winter	S57	1.014	S127	30.7	0.386	0.434	4.4483	
4320 minute winter	S125	21.003	S127	-0.5	-0.017	-0.007	7.8151	
4320 minute winter	S127	1.015	S60	30.5	0.396	0.428	4.3871	
4320 minute winter	S119	22.003	S60	0.6	-0.067	0.008	7.8151	
4320 minute winter	S60	1.016	Pond Inlet 1	30.3	0.475	0.400	4.7280	
4320 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	15.2	0.009	0.000	2988.1772	
4320 minute winter	Pond Outlet	1.018	S13	0.1	0.050	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	0.3	0.380	0.005	0.0039	
4320 minute winter	PP-S16	3.000_1	S16	0.5	0.495	0.007	0.0050	
4320 minute winter	PP-S145	4.000_2	S145	0.6	0.611	0.007	0.0049	
4320 minute winter	PP-S4	1.000_2	S4	0.5	0.441	0.009	0.0057	
4320 minute winter	PP-S1	4.000_1	S1	1.2	0.638	0.018	0.0094	

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Results for 100 year +20% CC 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	2160	0.516	0.016	0.7	0.2748	0.0000	OK
4320 minute winter	PP-S12	2220	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	2220	0.511	0.011	0.4	0.2720	0.0000	OK
4320 minute winter	PP-S15	1980	0.510	0.010	0.3	0.0947	0.0000	OK
4320 minute winter	PP-S75	2100	0.509	0.009	0.3	0.1051	0.0000	OK
4320 minute winter	PP-S24	2160	0.514	0.014	0.7	0.2394	0.0000	OK
4320 minute winter	PP-S30	2100	0.509	0.009	0.3	0.0999	0.0000	OK
4320 minute winter	PP-S33	1920	0.509	0.009	0.3	0.0814	0.0000	OK
4320 minute winter	PP-S34	2040	0.512	0.012	0.6	0.2005	0.0000	OK
4320 minute winter	PP-S35	1680	0.505	0.005	0.1	0.0345	0.0000	OK
4320 minute winter	PP-S36	2160	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 winter	PP-S5	2.000_2	S5	0.7	0.585	0.009	0.0060	
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	0.7	0.733	0.007	0.0048	
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	0.3	0.621	0.003	0.0024	
4320 minute winter	PP-S34	21.000_1	S34	0.6	0.773	0.005	0.0039	
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	0.5	0.737	0.004	0.0034	

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Results for 100 year +20% CC 5760 minute summer. 7200 minute analysis at 60 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
5760 minute summer	S26	5760	-0.103	0.135	0.4	0.2393	0.0000	OK
5760 minute summer	S25	5760	-0.102	0.142	0.3	0.3601	0.0000	OK
5760 minute summer	S16	5760	-0.102	0.165	2.8	0.7294	0.0000	OK
5760 minute summer	S145	5760	-0.102	0.213	5.5	0.9162	0.0000	OK
5760 minute summer	S4	7080	-0.103	0.140	0.5	0.2482	0.0000	OK
5760 minute summer	S5	5760	-0.103	0.181	1.3	0.3207	0.0000	OK
5760 minute summer	S9	5760	-0.102	0.194	0.4	0.4461	0.0000	OK
5760 minute summer	S10	5760	-0.102	0.219	0.4	0.3865	0.0000	OK
5760 minute summer	S11	5760	-0.102	0.224	1.7	0.3954	0.0000	OK
5760 minute summer	S12	5760	-0.102	0.233	2.0	0.4113	0.0000	OK
5760 minute summer	S1	6660	-0.103	0.161	1.8	0.3802	0.0000	OK
5760 minute summer	S3	5760	-0.103	0.204	2.9	0.6539	0.0000	OK
5760 minute summer	S2	5760	-0.102	0.234	3.3	0.4131	0.0000	OK
5760 minute summer	S14	5760	-0.102	0.207	0.4	0.3657	0.0000	OK
5760 minute summer	S15	5760	-0.102	0.244	7.1	1.0973	0.0000	OK
5760 minute summer	S75	5760	-0.102	0.260	12.7	0.6610	0.0000	OK
5760 minute summer	S87	6660	-0.103	0.183	1.2	0.5948	0.0000	OK
5760 minute summer	S88	5760	-0.103	0.205	2.4	0.6701	0.0000	OK
5760 minute summer	S89	5760	-0.103	0.227	3.6	0.7373	0.0000	OK
5760 minute summer	S90	5760	-0.102	0.250	4.7	0.7951	0.0000	OK
5760 minute summer	S92	5760	-0.102	0.277	18.1	0.7042	0.0000	OK
5760 minute summer	S81	6900	-0.103	0.199	1.2	0.6439	0.0000	OK
5760 minute summer	S82	5760	-0.103	0.221	2.4	0.7192	0.0000	OK
5760 minute summer	S83	5760	-0.102	0.243	3.5	0.7833	0.0000	OK
5760 minute summer	S84	5760	-0.102	0.265	4.7	0.8395	0.0000	OK
5760 minute summer	S86	5760	-0.102	0.291	22.7	0.7397	0.0000	OK
5760 minute summer	S76	5760	-0.102	0.215	1.2	0.6903	0.0000	OK
5760 minute summer	S77	5760	-0.102	0.237	2.4	0.7651	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	0.005	2.6866	
5760 minute summer	S25	2.000	S16	0.3	0.043	0.005	2.2014	
5760 minute summer	S16	1.001	S145	2.7	0.120	0.038	5.9739	
5760 minute summer	S145	1.002	S75	5.4	0.116	0.077	7.9779	
5760 minute summer	S4	3.000	S5	0.5	0.075	0.007	4.2182	
5760 minute summer	S5	3.001	S11	1.3	0.101	0.018	5.7292	
5760 minute summer	S9	4.000	S10	0.4	0.060	0.006	3.6041	
5760 minute summer	S10	4.001	S11	0.5	0.037	0.006	0.6744	
5760 minute summer	S11	3.002	S12	1.7	0.085	0.024	1.4638	
5760 minute summer	S12	3.003	S15	2.0	0.055	0.029	1.9807	
5760 minute summer	S1	5.000	S3	1.7	0.103	0.025	5.1636	
5760 minute summer	S3	5.001	S2	2.9	0.105	0.041	4.4402	
5760 minute summer	S2	5.002	S15	3.3	0.088	0.048	1.8417	
5760 minute summer	S14	6.000	S15	-0.4	-0.006	-0.006	5.9481	
5760 minute summer	S15	3.004	S75	7.1	0.119	0.099	2.8585	
5760 minute summer	S75	1.003	S92	12.6	0.188	0.177	3.3181	
5760 minute summer	S87	7.000	S88	1.2	0.091	0.017	2.8448	
5760 minute summer	S88	7.001	S89	2.4	0.107	0.033	3.2723	
5760 minute summer	S89	7.002	S90	3.5	0.107	0.049	3.7013	
5760 minute summer	S90	7.003	S92	4.7	0.083	0.066	5.2491	
5760 minute summer	S92	1.005	S86	18.0	0.250	0.254	2.9290	
5760 minute summer	S81	8.000	S82	1.2	0.085	0.017	3.1543	
5760 minute summer	S82	8.001	S83	2.3	0.103	0.034	3.5753	
5760 minute summer	S83	8.002	S84	3.5	0.103	0.049	3.9936	
5760 minute summer	S84	8.003	S86	4.7	0.074	0.066	5.3083	
5760 minute summer	S86	1.006	S30	22.7	0.301	0.319	3.1001	
5760 minute summer	S76	9.000	S77	1.2	0.080	0.017	3.4510	
5760 minute summer	S77	9.001	S78	2.3	0.095	0.033	3.8763	

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Results for 100 year +20% CC 5760 minute summer. 7200 minute analysis at 60 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
5760 minute summer	S78	5760	-0.102	0.259	3.5	0.8308	0.0000	OK
5760 minute summer	S79	5760	-0.103	0.279	4.7	0.8829	0.0000	OK
5760 minute summer	S30	5760	-0.102	0.305	27.6	0.7751	0.0000	OK
5760 minute summer	S31	5760	-0.103	0.233	1.3	0.7731	0.0000	OK
5760 minute summer	S32	5760	-0.102	0.277	2.4	0.8540	0.0000	OK
5760 minute summer	S33	5760	-0.102	0.321	30.2	0.8157	0.0000	OK
5760 minute summer	S34	5760	-0.102	0.337	30.8	0.5946	0.0000	OK
5760 minute summer	S35	5760	-0.103	0.363	30.9	0.6423	0.0000	OK
5760 minute summer	S36	5760	-0.102	0.340	1.0	0.6002	0.0000	OK
5760 minute summer	S37	5760	-0.103	0.368	33.4	1.8115	0.0000	OK
5760 minute summer	S38	5760	-0.103	0.413	33.3	0.7306	0.0000	OK
5760 minute summer	S39	6960	-0.103	0.459	33.2	0.8118	0.0000	SURCHARGED
5760 minute summer	S56	6960	-0.103	0.456	0.5	0.8066	0.0000	SURCHARGED
5760 minute summer	S57	6960	-0.103	0.462	33.1	1.1769	0.0000	SURCHARGED
5760 minute summer	S125	6480	-0.102	0.453	1.1	0.7997	0.0000	SURCHARGED
5760 minute summer	S127	5760	-0.103	0.476	33.0	1.2123	0.0000	SURCHARGED
5760 minute summer	S119	6720	-0.102	0.467	0.7	0.8246	0.0000	SURCHARGED
5760 minute summer	S60	6720	-0.103	0.490	32.8	1.2482	0.0000	SURCHARGED
5760 minute summer	Pond Inlet 1	5760	-0.097	0.513	32.6	0.9061	0.0000	OK
5760 minute summer	Pond Outlet	5940	-0.104	0.506	16.3	0.5723	0.0000	SURCHARGED
5760 minute summer	S13	6000	-0.104	0.534	0.1	1.8499	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	2940	0.516	0.016	0.4	0.2602	0.0000	OK
5760 minute summer	PP-S25	2880	0.512	0.012	0.3	0.1335	0.0000	OK
5760 minute summer	PP-S16	2940	0.515	0.015	0.6	0.2341	0.0000	OK
5760 minute summer	PP-S145	2940	0.515	0.015	0.7	0.2335	0.0000	OK
5760 minute summer	PP-S4	2940	0.515	0.015	0.5	0.2272	0.0000	OK
5760 minute summer	PP-S1	2940	0.522	0.022	1.3	4.3056	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	3.5	0.098	0.050	4.2877	
5760 minute summer	S79	9.003	S30	4.7	0.067	0.065	5.2813	
5760 minute summer	S30	1.007	S33	27.6	0.356	0.388	3.7227	
5760 minute summer	S31	10.000	S32	1.4	0.083	0.020	7.9905	
5760 minute summer	S32	10.001	S33	2.3	0.039	0.032	9.6201	
5760 minute summer	S33	1.008	S34	30.1	0.383	0.427	3.9988	
5760 minute summer	S34	1.009	S35	30.8	0.383	0.433	7.0996	
5760 minute summer	S35	1.010	S37	30.8	0.380	0.464	1.5639	
5760 minute summer	S36	11.000	S37	-0.9	-0.037	-0.013	7.6918	
5760 minute summer	S37	1.011	S38	33.3	0.405	0.471	13.1752	
5760 minute summer	S38	1.012	S39	33.2	0.377	0.464	14.0570	
5760 minute summer	S39	1.013	S57	33.1	0.364	0.522	1.1814	
5760 minute summer	S56	12.011	S57	-0.5	-0.064	-0.007	2.0645	
5760 minute summer	S57	1.014	S127	33.0	0.364	0.466	4.4483	
5760 minute summer	S125	21.003	S127	1.1	0.007	0.016	7.8135	
5760 minute summer	S127	1.015	S60	32.8	0.362	0.460	4.3871	
5760 minute summer	S119	22.003	S60	-0.7	-0.004	-0.010	7.8151	
5760 minute summer	S60	1.016	Pond Inlet 1	32.6	0.378	0.430	4.7280	
5760 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	16.3	0.008	0.000	2761.8389	
5760 minute summer	Pond Outlet	1.018	S13	0.1	0.084	0.001	0.4779	
5760 minute summer	S13	Pump	Final Outfall	0.0				0.0
5760 minute summer	PP-S26	1.000_1	S26	0.4	0.328	0.010	0.0122	
5760 minute summer	PP-S25	2.000_1	S25	0.3	0.380	0.005	0.0039	
5760 minute summer	PP-S16	3.000_1	S16	0.6	0.524	0.009	0.0057	
5760 minute summer	PP-S145	4.000_2	S145	0.7	0.641	0.008	0.0055	
5760 minute summer	PP-S4	1.000_2	S4	0.5	0.441	0.009	0.0057	
5760 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 5760 minute summer. 7200 minute analysis at 60 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
5760 minute summer	PP-S5	2940	0.517	0.017	0.8	0.3083	0.0000	OK
5760 minute summer	PP-S12	2940	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	3000	0.511	0.011	0.4	0.2720	0.0000	OK
5760 minute summer	PP-S15	2820	0.510	0.010	0.3	0.0947	0.0000	OK
5760 minute summer	PP-S75	2880	0.509	0.009	0.3	0.1051	0.0000	OK
5760 minute summer	PP-S24	2940	0.514	0.014	0.8	0.2710	0.0000	OK
5760 minute summer	PP-S30	2880	0.509	0.009	0.3	0.0999	0.0000	OK
5760 minute summer	PP-S33	2760	0.509	0.009	0.3	0.0814	0.0000	OK
5760 minute summer	PP-S34	2940	0.513	0.013	0.7	0.2302	0.0000	OK
5760 minute summer	PP-S35	2580	0.505	0.005	0.1	0.0345	0.0000	OK
5760 minute summer	PP-S36	2880	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 summer	PP-S5	2.000_2	S5	0.8	0.609	0.011	0.0066	
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	0.4	0.573	0.004	0.0035	
5760 minute summer	PP-S15	12.000_1	S15	0.3	0.541	0.003	0.0028	
5760 minute summer	PP-S75	13.000_1	S75	0.3	0.560	0.003	0.0027	
5760 minute summer	PP-S24	14.000_1	S92	0.8	0.764	0.008	0.0052	
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	0.3	0.621	0.003	0.0024	
5760 minute summer	PP-S34	21.000_1	S34	0.7	0.809	0.006	0.0043	
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	0.5	0.737	0.004	0.0034	

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Results for 100 year +20% CC 5760 minute winter. 7200 minute analysis at 60 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
5760 minute winter	S26	6540	-0.037	0.201	0.3	0.3560	0.0000	OK
5760 minute winter	S25	6540	-0.037	0.207	0.2	0.5281	0.0000	OK
5760 minute winter	S16	6540	-0.037	0.230	2.0	1.0220	0.0000	OK
5760 minute winter	S145	6660	-0.037	0.278	4.0	1.1989	0.0000	OK
5760 minute winter	S4	6480	-0.036	0.207	0.4	0.3650	0.0000	OK
5760 minute winter	S5	6600	-0.037	0.247	1.0	0.4373	0.0000	OK
5760 minute winter	S9	6420	-0.037	0.259	0.3	0.5978	0.0000	OK
5760 minute winter	S10	6960	-0.037	0.284	0.3	0.5026	0.0000	OK
5760 minute winter	S11	6960	-0.037	0.289	1.3	0.5115	0.0000	OK
5760 minute winter	S12	7140	-0.037	0.298	1.4	0.5273	0.0000	OK
5760 minute winter	S1	7080	-0.037	0.227	1.3	0.5356	0.0000	OK
5760 minute winter	S3	7080	-0.037	0.270	2.1	0.8648	0.0000	OK
5760 minute winter	S2	7140	-0.037	0.299	2.3	0.5290	0.0000	OK
5760 minute winter	S14	6660	-0.037	0.272	0.1	0.4815	0.0000	OK
5760 minute winter	S15	6660	-0.037	0.309	5.2	1.3927	0.0000	OK
5760 minute winter	S75	6660	-0.037	0.325	9.3	0.8282	0.0000	OK
5760 minute winter	S87	6660	-0.036	0.250	0.9	0.8094	0.0000	OK
5760 minute winter	S88	6660	-0.037	0.271	1.8	0.8853	0.0000	OK
5760 minute winter	S89	6660	-0.037	0.293	2.7	0.9510	0.0000	OK
5760 minute winter	S90	6660	-0.037	0.315	3.5	1.0047	0.0000	OK
5760 minute winter	S92	6660	-0.037	0.342	13.3	0.8715	0.0000	OK
5760 minute winter	S81	7200	-0.037	0.265	0.9	0.8570	0.0000	OK
5760 minute winter	S82	7140	-0.037	0.287	1.8	0.9333	0.0000	OK
5760 minute winter	S83	7140	-0.037	0.308	2.7	0.9957	0.0000	OK
5760 minute winter	S84	6960	-0.037	0.330	3.5	1.0480	0.0000	OK
5760 minute winter	S86	6960	-0.037	0.356	16.7	0.9070	0.0000	OK
5760 minute winter	S76	7200	-0.037	0.280	0.9	0.9017	0.0000	OK
5760 minute winter	S77	7200	-0.037	0.302	1.8	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 winter	S26	1.000	S16	0.3	0.047	0.004	4.3665	
5760 minute winter	S25	2.000	S16	0.2	0.040	0.003	3.5452	
5760 minute winter	S16	1.001	S145	2.0	0.124	0.028	8.7419	
5760 minute winter	S145	1.002	S75	3.9	0.118	0.056	10.6885	
5760 minute winter	S4	3.000	S5	0.4	0.075	0.006	6.6289	
5760 minute winter	S5	3.001	S11	1.0	0.100	0.014	8.1517	
5760 minute winter	S9	4.000	S10	0.3	0.061	0.004	5.0953	
5760 minute winter	S10	4.001	S11	0.3	0.038	0.004	0.9277	
5760 minute winter	S11	3.002	S12	1.2	0.086	0.018	1.9892	
5760 minute winter	S12	3.003	S15	1.4	0.058	0.021	2.6482	
5760 minute winter	S1	5.000	S3	1.3	0.103	0.018	7.6680	
5760 minute winter	S3	5.001	S2	2.0	0.103	0.029	6.1284	
5760 minute winter	S2	5.002	S15	2.3	0.085	0.034	2.4604	
5760 minute winter	S14	6.000	S15	-0.1	-0.003	-0.002	8.1138	
5760 minute winter	S15	3.004	S75	5.1	0.120	0.072	3.7453	
5760 minute winter	S75	1.003	S92	9.3	0.185	0.130	4.2484	
5760 minute winter	S87	7.000	S88	0.9	0.090	0.012	4.1250	
5760 minute winter	S88	7.001	S89	1.8	0.108	0.025	4.5427	
5760 minute winter	S89	7.002	S90	2.6	0.110	0.037	4.9503	
5760 minute winter	S90	7.003	S92	3.5	0.082	0.050	6.7672	
5760 minute winter	S92	1.005	S86	13.2	0.237	0.186	3.6750	
5760 minute winter	S81	8.000	S82	0.9	0.085	0.012	4.4291	
5760 minute winter	S82	8.001	S83	1.8	0.103	0.025	4.8316	
5760 minute winter	S83	8.002	S84	2.6	0.103	0.037	5.2188	
5760 minute winter	S84	8.003	S86	3.5	0.073	0.049	6.7106	
5760 minute winter	S86	1.006	S30	16.7	0.281	0.235	3.8223	
5760 minute winter	S76	9.000	S77	0.9	0.080	0.012	4.7108	
5760 minute winter	S77	9.001	S78	1.8	0.095	0.025	5.1121	

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Results for 100 year +20% CC 5760 minute winter. 7200 minute analysis at 60 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
5760 minute winter	S78	7200	-0.037	0.324	2.7	1.0427	0.0000	OK
5760 minute winter	S79	6960	-0.037	0.345	3.5	1.0912	0.0000	OK
5760 minute winter	S30	6960	-0.037	0.370	20.4	0.9427	0.0000	OK
5760 minute winter	S31	6660	-0.037	0.299	0.9	0.9918	0.0000	OK
5760 minute winter	S32	6660	-0.037	0.342	1.7	1.0575	0.0000	OK
5760 minute winter	S33	6900	-0.037	0.386	22.2	0.9835	0.0000	OK
5760 minute winter	S34	6900	-0.037	0.402	22.6	0.7111	0.0000	OK
5760 minute winter	S35	6900	-0.037	0.429	22.7	0.7589	0.0000	OK
5760 minute winter	S36	6900	-0.037	0.405	0.4	0.7164	0.0000	OK
5760 minute winter	S37	6900	-0.037	0.434	24.5	2.1358	0.0000	OK
5760 minute winter	S38	6780	-0.036	0.480	24.4	0.8473	0.0000	SURCHARGED
5760 minute winter	S39	5580	-0.035	0.527	24.3	0.9304	0.0000	SURCHARGED
5760 minute winter	S56	5580	-0.034	0.525	0.4	0.9270	0.0000	SURCHARGED
5760 minute winter	S57	5580	-0.035	0.530	24.2	1.3481	0.0000	SURCHARGED
5760 minute winter	S125	5580	-0.034	0.521	1.7	0.9198	0.0000	SURCHARGED
5760 minute winter	S127	6840	-0.037	0.542	24.1	1.3806	0.0000	SURCHARGED
5760 minute winter	S119	5580	-0.036	0.533	0.5	0.9416	0.0000	SURCHARGED
5760 minute winter	S60	6840	-0.037	0.556	24.0	1.4163	0.0000	SURCHARGED
5760 minute winter	Pond Inlet 1	5640	-0.032	0.578	23.8	1.0222	0.0000	OK
5760 minute winter	Pond Outlet	5760	-0.038	0.572	11.9	0.6466	0.0000	SURCHARGED
5760 minute winter	S13	6180	-0.038	0.600	0.1	2.0774	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	2940	0.514	0.014	0.3	0.2027	0.0000	OK
5760 minute winter	PP-S25	2340	0.510	0.010	0.2	0.0943	0.0000	OK
5760 minute winter	PP-S16	2640	0.513	0.013	0.4	0.1619	0.0000	OK
5760 minute winter	PP-S145	2820	0.513	0.013	0.5	0.1714	0.0000	OK
5760 minute winter	PP-S4	2820	0.514	0.014	0.4	0.1852	0.0000	OK
5760 minute winter	PP-S1	2940	0.519	0.019	1.0	3.3858	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	2.6	0.097	0.038	5.4871	
5760 minute winter	S79	9.003	S30	3.5	0.069	0.049	6.5571	
5760 minute winter	S30	1.007	S33	20.4	0.330	0.286	4.5070	
5760 minute winter	S31	10.000	S32	0.9	0.088	0.012	10.4194	
5760 minute winter	S32	10.001	S33	1.6	0.041	0.023	11.8364	
5760 minute winter	S33	1.008	S34	22.1	0.353	0.313	4.7485	
5760 minute winter	S34	1.009	S35	22.6	0.350	0.318	8.2034	
5760 minute winter	S35	1.010	S37	22.6	0.347	0.341	1.7710	
5760 minute winter	S36	11.000	S37	1.0	0.011	0.014	8.8396	
5760 minute winter	S37	1.011	S38	24.4	0.368	0.345	14.2543	
5760 minute winter	S38	1.012	S39	24.3	0.344	0.340	14.3287	
5760 minute winter	S39	1.013	S57	24.2	0.334	0.382	1.1814	
5760 minute winter	S56	12.011	S57	0.4	-0.003	0.006	2.0645	
5760 minute winter	S57	1.014	S127	24.1	0.336	0.341	4.4483	
5760 minute winter	S125	21.003	S127	-1.7	-0.010	-0.024	7.8151	
5760 minute winter	S127	1.015	S60	24.0	0.337	0.336	4.3871	
5760 minute winter	S119	22.003	S60	1.3	-0.010	0.019	7.8151	
5760 minute winter	S60	1.016	Pond Inlet 1	23.8	0.432	0.314	4.7280	
5760 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	11.9	0.008	0.000	3153.0374	
5760 minute winter	Pond Outlet	1.018	S13	0.1	0.044	0.001	0.4779	
5760 minute winter	S13	Pump	Final Outfall	0.0				0.0
5760 minute winter	PP-S26	1.000_1	S26	0.3	0.303	0.008	0.0099	
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	0.4	0.463	0.006	0.0043	
5760 minute winter	PP-S145	4.000_2	S145	0.5	0.578	0.006	0.0043	
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	1.0	0.601	0.015	0.0081	

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Results for 100 year +20% CC 5760 minute winter. 7200 minute analysis at 60 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
5760 minute winter	PP-S5	2940	0.515	0.015	0.6	0.2410	0.0000	OK
5760 minute winter	PP-S12	2520	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	2700	0.510	0.010	0.3	0.2120	0.0000	OK
5760 minute winter	PP-S15	2340	0.508	0.008	0.2	0.0668	0.0000	OK
5760 minute winter	PP-S75	2400	0.508	0.008	0.2	0.0739	0.0000	OK
5760 minute winter	PP-S24	2940	0.513	0.013	0.6	0.2082	0.0000	OK
5760 minute winter	PP-S30	2460	0.507	0.007	0.2	0.0702	0.0000	OK
5760 minute winter	PP-S33	2220	0.507	0.007	0.2	0.0576	0.0000	OK
5760 minute winter	PP-S34	2760	0.511	0.011	0.5	0.1713	0.0000	OK
5760 minute winter	PP-S35	2400	0.505	0.005	0.1	0.0345	0.0000	OK
5760 minute winter	PP-S36	2760	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	0.2	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	0.6	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	0.2	0.551	0.002	0.0018	
5760 minute winter	PP-S34	21.000_1	S34	0.5	0.734	0.004	0.0034	
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: 99.92%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
7200 minute summer	S26	7200	-0.086	0.152	0.3	0.2681	0.0000	OK
7200 minute summer	S25	8280	-0.086	0.158	0.3	0.4012	0.0000	OK
7200 minute summer	S16	8280	-0.086	0.181	2.3	0.8009	0.0000	OK
7200 minute summer	S145	7200	-0.086	0.229	4.5	0.9846	0.0000	OK
7200 minute summer	S4	8280	-0.086	0.157	0.4	0.2769	0.0000	OK
7200 minute summer	S5	7200	-0.086	0.198	1.0	0.3492	0.0000	OK
7200 minute summer	S9	7200	-0.086	0.210	0.4	0.4831	0.0000	OK
7200 minute summer	S10	7200	-0.086	0.235	0.4	0.4147	0.0000	OK
7200 minute summer	S11	7200	-0.086	0.240	1.4	0.4235	0.0000	OK
7200 minute summer	S12	7200	-0.086	0.249	1.6	0.4394	0.0000	OK
7200 minute summer	S1	8340	-0.086	0.178	1.5	0.4185	0.0000	OK
7200 minute summer	S3	8640	-0.086	0.221	2.5	0.7056	0.0000	OK
7200 minute summer	S2	7200	-0.086	0.250	2.7	0.4411	0.0000	OK
7200 minute summer	S14	7200	-0.086	0.223	0.3	0.3935	0.0000	OK
7200 minute summer	S15	7200	-0.086	0.260	5.9	1.1687	0.0000	OK
7200 minute summer	S75	7200	-0.086	0.276	10.6	0.7015	0.0000	OK
7200 minute summer	S87	8460	-0.086	0.200	1.0	0.6476	0.0000	OK
7200 minute summer	S88	8340	-0.086	0.222	2.0	0.7228	0.0000	OK
7200 minute summer	S89	8340	-0.086	0.244	3.0	0.7897	0.0000	OK
7200 minute summer	S90	8640	-0.086	0.266	3.9	0.8461	0.0000	OK
7200 minute summer	S92	7200	-0.086	0.293	15.0	0.7448	0.0000	OK
7200 minute summer	S81	8220	-0.086	0.216	1.0	0.6967	0.0000	OK
7200 minute summer	S82	8220	-0.086	0.238	2.0	0.7719	0.0000	OK
7200 minute summer	S83	8220	-0.086	0.259	3.0	0.8350	0.0000	OK
7200 minute summer	S84	8520	-0.086	0.281	3.9	0.8904	0.0000	OK
7200 minute summer	S86	7200	-0.086	0.307	18.9	0.7804	0.0000	OK
7200 minute summer	S76	8340	-0.086	0.231	1.0	0.7415	0.0000	OK
7200 minute summer	S77	8520	-0.086	0.253	2.0	0.8170	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	0.3	0.047	0.004	3.0886	
7200 minute summer	S25	2.000	S16	0.3	0.039	0.004	2.5224	
7200 minute summer	S16	1.001	S145	2.3	0.119	0.032	6.6437	
7200 minute summer	S145	1.002	S75	4.5	0.119	0.064	8.6476	
7200 minute summer	S4	3.000	S5	0.4	0.075	0.006	4.8000	
7200 minute summer	S5	3.001	S11	1.0	0.101	0.014	6.3211	
7200 minute summer	S9	4.000	S10	0.4	0.060	0.005	3.9686	
7200 minute summer	S10	4.001	S11	0.4	0.037	0.005	0.7366	
7200 minute summer	S11	3.002	S12	1.4	0.085	0.019	1.5930	
7200 minute summer	S12	3.003	S15	1.6	0.055	0.023	2.1454	
7200 minute summer	S1	5.000	S3	1.5	0.105	0.021	5.7763	
7200 minute summer	S3	5.001	S2	2.4	0.105	0.034	4.8560	
7200 minute summer	S2	5.002	S15	2.7	0.088	0.040	1.9945	
7200 minute summer	S14	6.000	S15	0.4	0.006	0.005	6.4773	
7200 minute summer	S15	3.004	S75	5.9	0.120	0.083	3.0792	
7200 minute summer	S75	1.003	S92	10.6	0.185	0.148	3.5523	
7200 minute summer	S87	7.000	S88	1.0	0.091	0.014	3.1587	
7200 minute summer	S88	7.001	S89	2.0	0.107	0.027	3.5866	
7200 minute summer	S89	7.002	S90	2.9	0.107	0.041	4.0125	
7200 minute summer	S90	7.003	S92	3.9	0.093	0.055	5.6308	
7200 minute summer	S92	1.005	S86	15.0	0.241	0.211	3.1195	
7200 minute summer	S81	8.000	S82	1.0	0.082	0.014	3.4717	
7200 minute summer	S82	8.001	S83	2.0	0.103	0.028	3.8884	
7200 minute summer	S83	8.002	S84	2.9	0.103	0.041	4.3008	
7200 minute summer	S84	8.003	S86	3.9	0.080	0.055	5.6660	
7200 minute summer	S86	1.006	S30	18.9	0.287	0.266	3.2875	
7200 minute summer	S76	9.000	S77	1.0	0.078	0.014	3.7619	
7200 minute summer	S77	9.001	S78	2.0	0.095	0.027	4.1870	

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Results for 100 year +20% CC 7200 minute summer. 8640 minute analysis at 60 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
7200 minute summer	S78	8520	-0.086	0.275	3.0	0.8830	0.0000	OK
7200 minute summer	S79	8520	-0.086	0.296	3.9	0.9340	0.0000	OK
7200 minute summer	S30	7200	-0.086	0.321	23.0	0.8160	0.0000	OK
7200 minute summer	S31	8640	-0.086	0.250	1.2	0.8270	0.0000	OK
7200 minute summer	S32	8640	-0.086	0.293	2.0	0.9037	0.0000	OK
7200 minute summer	S33	8640	-0.086	0.337	25.1	0.8568	0.0000	OK
7200 minute summer	S34	8640	-0.086	0.353	25.7	0.6232	0.0000	OK
7200 minute summer	S35	8100	-0.086	0.380	25.7	0.6708	0.0000	OK
7200 minute summer	S36	8640	-0.086	0.356	0.5	0.6286	0.0000	OK
7200 minute summer	S37	8100	-0.086	0.385	27.9	1.8910	0.0000	OK
7200 minute summer	S38	8520	-0.086	0.430	27.8	0.7593	0.0000	OK
7200 minute summer	S39	8400	-0.086	0.476	27.6	0.8406	0.0000	SURCHARGED
7200 minute summer	S56	8400	-0.086	0.473	1.5	0.8355	0.0000	SURCHARGED
7200 minute summer	S57	8400	-0.086	0.479	27.5	1.2184	0.0000	SURCHARGED
7200 minute summer	S125	8340	-0.086	0.469	1.5	0.8290	0.0000	SURCHARGED
7200 minute summer	S127	8640	-0.086	0.493	27.5	1.2539	0.0000	SURCHARGED
7200 minute summer	S119	8400	-0.086	0.483	2.4	0.8533	0.0000	SURCHARGED
7200 minute summer	S60	8640	-0.086	0.507	27.3	1.2898	0.0000	SURCHARGED
7200 minute summer	Pond Inlet 1	7200	-0.081	0.529	27.1	0.9350	0.0000	OK
7200 minute summer	Pond Outlet	7320	-0.088	0.522	13.6	0.5907	0.0000	SURCHARGED
7200 minute summer	S13	7500	-0.088	0.550	0.1	1.9062	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	3660	0.514	0.014	0.3	0.2027	0.0000	OK
7200 minute summer	PP-S25	3660	0.512	0.012	0.3	0.1335	0.0000	OK
7200 minute summer	PP-S16	3660	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	3540	0.514	0.014	0.4	0.1852	0.0000	OK
7200 minute summer	PP-S1	3660	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)
7200 minute summer	S78	9.002	S79	2.9	0.103	0.042	4.5943	
7200 minute summer	S79	9.003	S30	3.9	0.072	0.054	5.6120	
7200 minute summer	S30	1.007	S33	22.9	0.337	0.322	3.9301	
7200 minute summer	S31	10.000	S32	1.2	0.087	0.017	8.6051	
7200 minute summer	S32	10.001	S33	1.9	0.042	0.027	10.1985	
7200 minute summer	S33	1.008	S34	25.1	0.360	0.355	4.2014	
7200 minute summer	S34	1.009	S35	25.6	0.357	0.361	7.4111	
7200 minute summer	S35	1.010	S37	25.7	0.353	0.387	1.6253	
7200 minute summer	S36	11.000	S37	0.8	-0.047	0.011	8.0197	
7200 minute summer	S37	1.011	S38	27.8	0.371	0.393	13.5757	
7200 minute summer	S38	1.012	S39	27.6	0.338	0.387	14.2157	
7200 minute summer	S39	1.013	S57	27.5	0.320	0.435	1.1814	
7200 minute summer	S56	12.011	S57	1.5	0.010	0.023	2.0645	
7200 minute summer	S57	1.014	S127	27.5	0.317	0.388	4.4483	
7200 minute summer	S125	21.003	S127	-1.5	-0.010	-0.022	7.8151	
7200 minute summer	S127	1.015	S60	27.3	0.307	0.383	4.3871	
7200 minute summer	S119	22.003	S60	-2.4	-0.015	-0.034	7.8151	
7200 minute summer	S60	1.016	Pond Inlet 1	27.1	0.356	0.358	4.7280	
7200 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	13.6	0.007	0.000	2857.8096	
7200 minute summer	Pond Outlet	1.018	S13	-0.1	0.034	-0.001	0.4779	
7200 minute summer	S13	Pump	Final Outfall	0.0				0.0
7200 minute summer	PP-S26	1.000_1	S26	0.3	0.303	0.008	0.0099	
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	0.4	0.412	0.007	0.0049	
7200 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 7200 minute summer. 8640 minute analysis at 60 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
7200 minute summer	PP-S5	3600	0.515	0.015	0.6	0.2410	0.0000	OK
7200 minute summer	PP-S12	3360	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	3540	0.510	0.010	0.3	0.2120	0.0000	OK
7200 minute summer	PP-S15	3600	0.510	0.010	0.3	0.0947	0.0000	OK
7200 minute summer	PP-S75	3660	0.509	0.009	0.3	0.1051	0.0000	OK
7200 minute summer	PP-S24	3600	0.513	0.013	0.6	0.2082	0.0000	OK
7200 minute summer	PP-S30	3360	0.507	0.007	0.2	0.0702	0.0000	OK
7200 minute summer	PP-S33	3600	0.509	0.009	0.3	0.0814	0.0000	OK
7200 minute summer	PP-S34	3660	0.512	0.012	0.6	0.2005	0.0000	OK
7200 minute summer	PP-S35	3360	0.505	0.005	0.1	0.0345	0.0000	OK
7200 minute summer	PP-S36	3540	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 summer	PP-S5	2.000_2	S5	0.6	0.559	0.008	0.0054	
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	0.3	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	0.6	0.699	0.006	0.0043	
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	0.3	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	0.4	0.693	0.003	0.0029	

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Results for 100 year +20% CC 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	6840	-0.037	0.201	0.2	0.3559	0.0000	OK
7200 minute winter	S25	6840	-0.037	0.207	0.2	0.5279	0.0000	OK
7200 minute winter	S16	6840	-0.037	0.230	1.6	1.0215	0.0000	OK
7200 minute winter	S145	6840	-0.037	0.278	3.2	1.1985	0.0000	OK
7200 minute winter	S4	6840	-0.036	0.207	0.3	0.3650	0.0000	OK
7200 minute winter	S5	6840	-0.036	0.248	0.8	0.4376	0.0000	OK
7200 minute winter	S9	6840	-0.036	0.260	0.3	0.5985	0.0000	OK
7200 minute winter	S10	6840	-0.036	0.285	0.7	0.5030	0.0000	OK
7200 minute winter	S11	6840	-0.036	0.290	1.1	0.5118	0.0000	OK
7200 minute winter	S12	6840	-0.036	0.299	1.2	0.5278	0.0000	OK
7200 minute winter	S1	6840	-0.036	0.228	1.1	0.5361	0.0000	OK
7200 minute winter	S3	6840	-0.037	0.270	1.8	0.8649	0.0000	OK
7200 minute winter	S2	6840	-0.036	0.300	2.0	0.5298	0.0000	OK
7200 minute winter	S14	6840	-0.036	0.273	0.2	0.4815	0.0000	OK
7200 minute winter	S15	6840	-0.036	0.310	4.4	1.3944	0.0000	OK
7200 minute winter	S75	6840	-0.036	0.326	7.7	0.8284	0.0000	OK
7200 minute winter	S87	6840	-0.036	0.250	0.7	0.8094	0.0000	OK
7200 minute winter	S88	6840	-0.036	0.272	1.4	0.8860	0.0000	OK
7200 minute winter	S89	6840	-0.036	0.294	2.1	0.9514	0.0000	OK
7200 minute winter	S90	6840	-0.036	0.316	2.8	1.0053	0.0000	OK
7200 minute winter	S92	6840	-0.037	0.342	10.9	0.8710	0.0000	OK
7200 minute winter	S81	6840	-0.037	0.265	0.7	0.8551	0.0000	OK
7200 minute winter	S82	6840	-0.036	0.288	1.4	0.9347	0.0000	OK
7200 minute winter	S83	6840	-0.036	0.309	2.1	0.9962	0.0000	OK
7200 minute winter	S84	6840	-0.036	0.331	2.8	1.0494	0.0000	OK
7200 minute winter	S86	6840	-0.037	0.356	13.7	0.9065	0.0000	OK
7200 minute winter	S76	6840	-0.037	0.280	0.7	0.9013	0.0000	OK
7200 minute winter	S77	6840	-0.036	0.303	1.4	0.9785	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	4.3641	
7200 minute winter	S25	2.000	S16	0.2	0.043	0.003	3.5432	
7200 minute winter	S16	1.001	S145	1.6	0.122	0.022	8.7396	
7200 minute winter	S145	1.002	S75	3.2	0.118	0.045	10.6885	
7200 minute winter	S4	3.000	S5	0.3	0.078	0.004	6.6331	
7200 minute winter	S5	3.001	S11	0.8	0.101	0.011	8.1585	
7200 minute winter	S9	4.000	S10	0.7	0.061	0.010	5.1015	
7200 minute winter	S10	4.001	S11	0.3	0.040	0.004	0.9284	
7200 minute winter	S11	3.002	S12	1.0	0.086	0.015	1.9911	
7200 minute winter	S12	3.003	S15	1.2	0.059	0.018	2.6514	
7200 minute winter	S1	5.000	S3	1.1	0.105	0.015	7.6730	
7200 minute winter	S3	5.001	S2	1.8	0.105	0.025	6.1348	
7200 minute winter	S2	5.002	S15	2.0	0.088	0.029	2.4640	
7200 minute winter	S14	6.000	S15	0.2	0.002	0.003	8.1200	
7200 minute winter	S15	3.004	S75	4.4	0.122	0.061	3.7482	
7200 minute winter	S75	1.003	S92	7.7	0.183	0.108	4.2478	
7200 minute winter	S87	7.000	S88	0.7	0.088	0.010	4.1272	
7200 minute winter	S88	7.001	S89	1.4	0.107	0.019	4.5458	
7200 minute winter	S89	7.002	S90	2.1	0.109	0.029	4.9528	
7200 minute winter	S90	7.003	S92	2.8	0.097	0.039	6.7671	
7200 minute winter	S92	1.005	S86	10.9	0.230	0.154	3.6729	
7200 minute winter	S81	8.000	S82	0.7	0.082	0.010	4.4272	
7200 minute winter	S82	8.001	S83	1.4	0.103	0.020	4.8367	
7200 minute winter	S83	8.002	S84	2.1	0.103	0.029	5.2239	
7200 minute winter	S84	8.003	S86	2.8	0.084	0.039	6.7131	
7200 minute winter	S86	1.006	S30	13.6	0.269	0.192	3.8195	
7200 minute winter	S76	9.000	S77	0.7	0.078	0.010	4.7117	
7200 minute winter	S77	9.001	S78	1.4	0.096	0.019	5.1175	

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Results for 100 year +20% CC 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	6840	-0.036	0.325	2.1	1.0439	0.0000	OK
7200 minute winter	S79	6840	-0.036	0.346	2.8	1.0922	0.0000	OK
7200 minute winter	S30	6840	-0.037	0.370	16.6	0.9418	0.0000	OK
7200 minute winter	S31	6840	-0.036	0.300	0.8	0.9927	0.0000	OK
7200 minute winter	S32	6840	-0.037	0.342	1.5	1.0575	0.0000	OK
7200 minute winter	S33	6840	-0.037	0.386	18.2	0.9831	0.0000	OK
7200 minute winter	S34	6840	-0.036	0.403	18.5	0.7113	0.0000	OK
7200 minute winter	S35	6840	-0.037	0.429	18.6	0.7584	0.0000	OK
7200 minute winter	S36	6780	-0.036	0.406	1.4	0.7172	0.0000	OK
7200 minute winter	S37	6840	-0.037	0.434	20.1	2.1340	0.0000	OK
7200 minute winter	S38	6900	-0.037	0.479	20.1	0.8466	0.0000	SURCHARGED
7200 minute winter	S39	6900	-0.036	0.526	19.9	0.9286	0.0000	SURCHARGED
7200 minute winter	S56	6900	-0.037	0.522	0.7	0.9221	0.0000	SURCHARGED
7200 minute winter	S57	6900	-0.037	0.528	19.9	1.3446	0.0000	SURCHARGED
7200 minute winter	S125	6660	-0.037	0.518	0.7	0.9152	0.0000	SURCHARGED
7200 minute winter	S127	6960	-0.037	0.542	19.8	1.3791	0.0000	SURCHARGED
7200 minute winter	S119	6720	-0.038	0.531	1.4	0.9390	0.0000	SURCHARGED
7200 minute winter	S60	6960	-0.039	0.554	19.7	1.4111	0.0000	SURCHARGED
7200 minute winter	Pond Inlet 1	6780	-0.030	0.580	21.6	1.0248	0.0000	OK
7200 minute winter	Pond Outlet	6840	-0.039	0.571	11.3	0.6461	0.0000	SURCHARGED
7200 minute winter	S13	6840	-0.039	0.599	5.6	2.0746	0.0000	SURCHARGED
7200 minute winter	Final Outfall	60	-0.740	0.000	5.6	0.0000	0.0000	OK
7200 minute winter	PP-S26	3000	0.512	0.012	0.2	0.1403	0.0000	OK
7200 minute winter	PP-S25	3120	0.510	0.010	0.2	0.0943	0.0000	OK
7200 minute winter	PP-S16	3060	0.511	0.011	0.3	0.1261	0.0000	OK
7200 minute winter	PP-S145	3360	0.511	0.011	0.4	0.1411	0.0000	OK
7200 minute winter	PP-S4	3180	0.512	0.012	0.3	0.1429	0.0000	OK
7200 minute winter	PP-S1	3840	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)
7200 minute winter	S78	9.002	S79	2.1	0.101	0.030	5.4934	
7200 minute winter	S79	9.003	S30	2.7	0.073	0.038	6.5571	
7200 minute winter	S30	1.007	S33	16.5	0.315	0.232	4.5043	
7200 minute winter	S31	10.000	S32	0.8	0.085	0.011	10.4251	
7200 minute winter	S32	10.001	S33	1.4	0.037	0.020	11.8347	
7200 minute winter	S33	1.008	S34	18.1	0.336	0.257	4.7482	
7200 minute winter	S34	1.009	S35	18.5	0.334	0.261	8.2029	
7200 minute winter	S35	1.010	S37	18.6	0.330	0.280	1.7703	
7200 minute winter	S36	11.000	S37	-1.3	0.011	-0.019	8.8386	
7200 minute winter	S37	1.011	S38	20.1	0.347	0.284	14.2513	
7200 minute winter	S38	1.012	S39	19.9	0.321	0.279	14.3287	
7200 minute winter	S39	1.013	S57	19.9	0.307	0.314	1.1814	
7200 minute winter	S56	12.011	S57	0.9	0.006	0.013	2.0645	
7200 minute winter	S57	1.014	S127	19.8	0.311	0.280	4.4483	
7200 minute winter	S125	21.003	S127	1.9	-0.027	0.027	7.8151	
7200 minute winter	S127	1.015	S60	19.7	0.312	0.276	4.3871	
7200 minute winter	S119	22.003	S60	-1.4	-0.039	-0.020	7.8151	
7200 minute winter	S60	1.016	Pond Inlet 1	19.6	0.376	0.258	4.7280	
7200 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	11.3	0.008	0.000	3150.5042	
7200 minute winter	Pond Outlet	1.018	S13	5.6	0.080	0.079	0.4779	
7200 minute winter	S13	Pump	Final Outfall	5.6				545.0
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	0.2	0.339	0.003	0.0029	
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	0.4	0.542	0.005	0.0037	
7200 minute winter	PP-S4	1.000_2	S4	0.3	0.378	0.005	0.0040	
7200 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 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	3600	0.513	0.013	0.5	0.2037	0.0000	OK
7200 minute winter	PP-S12	3360	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	2880	0.508	0.008	0.2	0.1482	0.0000	OK
7200 minute winter	PP-S15	3120	0.508	0.008	0.2	0.0668	0.0000	OK
7200 minute winter	PP-S75	3180	0.508	0.008	0.2	0.0739	0.0000	OK
7200 minute winter	PP-S24	3600	0.512	0.012	0.5	0.1774	0.0000	OK
7200 minute winter	PP-S30	3300	0.507	0.007	0.2	0.0702	0.0000	OK
7200 minute winter	PP-S33	3000	0.507	0.007	0.2	0.0576	0.0000	OK
7200 minute winter	PP-S34	3360	0.510	0.010	0.4	0.1423	0.0000	OK
7200 minute winter	PP-S35	3240	0.505	0.005	0.1	0.0345	0.0000	OK
7200 minute winter	PP-S36	3180	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 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	0.2	0.471	0.002	0.0021	
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	0.4	0.690	0.003	0.0029	
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	0.3	0.639	0.003	0.0023	

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Results for 100 year +20% CC 8640 minute summer. 10080 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
8640 minute summer	S26	10020	-0.071	0.167	0.3	0.2948	0.0000	OK
8640 minute summer	S25	9840	-0.071	0.173	0.2	0.4397	0.0000	OK
8640 minute summer	S16	9840	-0.071	0.196	2.0	0.8679	0.0000	OK
8640 minute summer	S145	9780	-0.071	0.244	4.0	1.0495	0.0000	OK
8640 minute summer	S4	10020	-0.071	0.172	0.4	0.3036	0.0000	OK
8640 minute summer	S5	9840	-0.071	0.213	1.0	0.3758	0.0000	OK
8640 minute summer	S9	9780	-0.071	0.225	0.3	0.5177	0.0000	OK
8640 minute summer	S10	9900	-0.071	0.250	0.3	0.4411	0.0000	OK
8640 minute summer	S11	9900	-0.071	0.255	1.2	0.4500	0.0000	OK
8640 minute summer	S12	9900	-0.071	0.264	1.4	0.4659	0.0000	OK
8640 minute summer	S1	9780	-0.071	0.193	1.2	0.4539	0.0000	OK
8640 minute summer	S3	9900	-0.071	0.236	2.0	0.7540	0.0000	OK
8640 minute summer	S2	9900	-0.071	0.265	2.3	0.4678	0.0000	OK
8640 minute summer	S14	9960	-0.071	0.238	0.3	0.4201	0.0000	OK
8640 minute summer	S15	9900	-0.071	0.275	5.0	1.2364	0.0000	OK
8640 minute summer	S75	9900	-0.071	0.291	9.1	0.7398	0.0000	OK
8640 minute summer	S87	10080	-0.071	0.215	0.8	0.6966	0.0000	OK
8640 minute summer	S88	9720	-0.071	0.237	1.7	0.7720	0.0000	OK
8640 minute summer	S89	9900	-0.071	0.259	2.6	0.8386	0.0000	OK
8640 minute summer	S90	9900	-0.071	0.281	3.4	0.8942	0.0000	OK
8640 minute summer	S92	9780	-0.071	0.308	13.0	0.7832	0.0000	OK
8640 minute summer	S81	9720	-0.071	0.231	0.8	0.7451	0.0000	OK
8640 minute summer	S82	9720	-0.071	0.253	1.7	0.8204	0.0000	OK
8640 minute summer	S83	9780	-0.071	0.274	2.6	0.8835	0.0000	OK
8640 minute summer	S84	9900	-0.071	0.296	3.3	0.9380	0.0000	OK
8640 minute summer	S86	9900	-0.071	0.322	16.3	0.8188	0.0000	OK
8640 minute summer	S76	9900	-0.071	0.246	0.8	0.7901	0.0000	OK
8640 minute summer	S77	9900	-0.071	0.268	1.7	0.8658	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	0.047	0.004	3.4711	
8640 minute summer	S25	2.000	S16	0.2	0.040	0.003	2.8292	
8640 minute summer	S16	1.001	S145	2.0	0.122	0.027	7.2787	
8640 minute summer	S145	1.002	S75	3.9	0.119	0.056	9.2761	
8640 minute summer	S4	3.000	S5	0.4	0.078	0.006	5.3478	
8640 minute summer	S5	3.001	S11	1.0	0.101	0.013	6.8753	
8640 minute summer	S9	4.000	S10	0.3	0.061	0.004	4.3104	
8640 minute summer	S10	4.001	S11	-0.3	0.038	-0.004	0.7948	
8640 minute summer	S11	3.002	S12	1.2	0.086	0.017	1.7142	
8640 minute summer	S12	3.003	S15	1.4	0.057	0.021	2.3001	
8640 minute summer	S1	5.000	S3	1.2	0.103	0.017	6.3481	
8640 minute summer	S3	5.001	S2	2.0	0.103	0.028	5.2470	
8640 minute summer	S2	5.002	S15	2.3	0.087	0.034	2.1382	
8640 minute summer	S14	6.000	S15	-0.3	-0.004	-0.004	6.9788	
8640 minute summer	S15	3.004	S75	5.0	0.122	0.070	3.2854	
8640 minute summer	S75	1.003	S92	9.1	0.180	0.128	3.7699	
8640 minute summer	S87	7.000	S88	0.8	0.088	0.011	3.4517	
8640 minute summer	S88	7.001	S89	1.7	0.107	0.023	3.8790	
8640 minute summer	S89	7.002	S90	2.6	0.108	0.036	4.3021	
8640 minute summer	S90	7.003	S92	3.3	0.098	0.047	5.9856	
8640 minute summer	S92	1.005	S86	13.0	0.233	0.183	3.2947	
8640 minute summer	S81	8.000	S82	0.8	0.085	0.011	3.7626	
8640 minute summer	S82	8.001	S83	1.7	0.105	0.024	4.1765	
8640 minute summer	S83	8.002	S84	2.5	0.103	0.036	4.5848	
8640 minute summer	S84	8.003	S86	3.3	0.084	0.047	5.9938	
8640 minute summer	S86	1.006	S30	16.3	0.276	0.229	3.4579	
8640 minute summer	S76	9.000	S77	0.8	0.080	0.011	4.0536	
8640 minute summer	S77	9.001	S78	1.7	0.099	0.023	4.4736	

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Results for 100 year +20% CC 8640 minute summer. 10080 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
8640 minute summer	S78	9900	-0.071	0.290	2.6	0.9313	0.0000	OK
8640 minute summer	S79	10080	-0.071	0.311	3.3	0.9816	0.0000	OK
8640 minute summer	S30	9900	-0.071	0.336	19.8	0.8544	0.0000	OK
8640 minute summer	S31	9660	-0.071	0.265	1.4	0.8766	0.0000	OK
8640 minute summer	S32	9840	-0.071	0.308	2.4	0.9502	0.0000	OK
8640 minute summer	S33	9900	-0.071	0.352	21.6	0.8951	0.0000	OK
8640 minute summer	S34	10080	-0.071	0.368	22.0	0.6498	0.0000	OK
8640 minute summer	S35	10080	-0.071	0.395	22.1	0.6975	0.0000	OK
8640 minute summer	S36	9780	-0.071	0.371	0.7	0.6551	0.0000	OK
8640 minute summer	S37	10080	-0.071	0.400	23.9	1.9651	0.0000	OK
8640 minute summer	S38	9660	-0.071	0.445	23.8	0.7858	0.0000	OK
8640 minute summer	S39	9600	-0.071	0.491	23.7	0.8675	0.0000	SURCHARGED
8640 minute summer	S56	9600	-0.071	0.488	0.5	0.8622	0.0000	SURCHARGED
8640 minute summer	S57	9600	-0.071	0.494	23.6	1.2570	0.0000	SURCHARGED
8640 minute summer	S125	9720	-0.071	0.484	0.6	0.8553	0.0000	SURCHARGED
8640 minute summer	S127	9660	-0.071	0.508	23.5	1.2924	0.0000	SURCHARGED
8640 minute summer	S119	10080	-0.071	0.498	0.4	0.8798	0.0000	SURCHARGED
8640 minute summer	S60	9600	-0.071	0.522	23.4	1.3279	0.0000	SURCHARGED
8640 minute summer	Pond Inlet 1	8640	-0.066	0.544	23.2	0.9616	0.0000	OK
8640 minute summer	Pond Outlet	8760	-0.073	0.537	11.6	0.6076	0.0000	SURCHARGED
8640 minute summer	S13	8940	-0.073	0.565	0.1	1.9581	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	4440	0.514	0.014	0.3	0.2027	0.0000	OK
8640 minute summer	PP-S25	4020	0.510	0.010	0.2	0.0943	0.0000	OK
8640 minute summer	PP-S16	4320	0.513	0.013	0.4	0.1619	0.0000	OK
8640 minute summer	PP-S145	4380	0.513	0.013	0.5	0.1714	0.0000	OK
8640 minute summer	PP-S4	4380	0.514	0.014	0.4	0.1852	0.0000	OK
8640 minute summer	PP-S1	4500	0.519	0.019	0.9	3.1227	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	2.5	0.103	0.036	4.8734	
8640 minute summer	S79	9.003	S30	3.3	0.076	0.046	5.9122	
8640 minute summer	S30	1.007	S33	19.8	0.324	0.277	4.1160	
8640 minute summer	S31	10.000	S32	1.6	0.084	0.022	9.1671	
8640 minute summer	S32	10.001	S33	1.7	0.043	0.023	10.7197	
8640 minute summer	S33	1.008	S34	21.5	0.344	0.305	4.3804	
8640 minute summer	S34	1.009	S35	22.0	0.337	0.310	7.6823	
8640 minute summer	S35	1.010	S37	22.1	0.333	0.332	1.6774	
8640 minute summer	S36	11.000	S37	0.7	-0.043	0.010	8.3016	
8640 minute summer	S37	1.011	S38	23.8	0.347	0.337	13.8783	
8640 minute summer	S38	1.012	S39	23.7	0.309	0.332	14.3143	
8640 minute summer	S39	1.013	S57	23.6	0.288	0.373	1.1814	
8640 minute summer	S56	12.011	S57	-0.5	-0.003	-0.008	2.0645	
8640 minute summer	S57	1.014	S127	23.5	0.283	0.333	4.4483	
8640 minute summer	S125	21.003	S127	1.0	0.007	0.015	7.8151	
8640 minute summer	S127	1.015	S60	23.4	0.273	0.328	4.3871	
8640 minute summer	S119	22.003	S60	1.2	0.008	0.017	7.8151	
8640 minute summer	S60	1.016	Pond Inlet 1	23.2	0.334	0.307	4.7280	
8640 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	11.6	0.007	0.000	2947.3730	
8640 minute summer	Pond Outlet	1.018	S13	0.1	0.040	0.001	0.4779	
8640 minute summer	S13	Pump	Final Outfall	0.0				0.0
8640 minute summer	PP-S26	1.000_1	S26	0.3	0.303	0.008	0.0099	
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	0.4	0.463	0.006	0.0043	
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	0.9	0.585	0.014	0.0077	

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Results for 100 year +20% CC 8640 minute summer. 10080 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
8640 minute summer	PP-S5	4380	0.515	0.015	0.6	0.2410	0.0000	OK
8640 minute summer	PP-S12	4140	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	4380	0.510	0.010	0.3	0.2120	0.0000	OK
8640 minute summer	PP-S15	4020	0.508	0.008	0.2	0.0668	0.0000	OK
8640 minute summer	PP-S75	4080	0.508	0.008	0.2	0.0739	0.0000	OK
8640 minute summer	PP-S24	4380	0.513	0.013	0.6	0.2082	0.0000	OK
8640 minute summer	PP-S30	4140	0.507	0.007	0.2	0.0702	0.0000	OK
8640 minute summer	PP-S33	3900	0.507	0.007	0.2	0.0576	0.0000	OK
8640 minute summer	PP-S34	4320	0.511	0.011	0.5	0.1713	0.0000	OK
8640 minute summer	PP-S35	4080	0.505	0.005	0.1	0.0345	0.0000	OK
8640 minute summer	PP-S36	4320	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	0.2	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	0.6	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	0.2	0.551	0.002	0.0018	
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: 99.97%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
8640 minute winter	S26	7560	-0.037	0.201	0.2	0.3555	0.0000	OK
8640 minute winter	S25	7560	-0.037	0.207	0.2	0.5276	0.0000	OK
8640 minute winter	S16	7560	-0.037	0.230	1.5	1.0210	0.0000	OK
8640 minute winter	S145	7560	-0.037	0.278	2.9	1.1979	0.0000	OK
8640 minute winter	S4	7560	-0.037	0.206	0.3	0.3643	0.0000	OK
8640 minute winter	S5	7560	-0.037	0.247	0.7	0.4367	0.0000	OK
8640 minute winter	S9	7560	-0.037	0.259	0.5	0.5972	0.0000	OK
8640 minute winter	S10	7560	-0.037	0.284	0.4	0.5017	0.0000	OK
8640 minute winter	S11	7560	-0.037	0.289	0.9	0.5106	0.0000	OK
8640 minute winter	S12	7560	-0.037	0.298	1.0	0.5268	0.0000	OK
8640 minute winter	S1	7560	-0.037	0.227	0.9	0.5350	0.0000	OK
8640 minute winter	S3	7560	-0.037	0.270	1.5	0.8642	0.0000	OK
8640 minute winter	S2	7560	-0.037	0.299	1.7	0.5286	0.0000	OK
8640 minute winter	S14	7560	-0.037	0.272	0.1	0.4813	0.0000	OK
8640 minute winter	S15	7560	-0.037	0.309	3.6	1.3922	0.0000	OK
8640 minute winter	S75	7560	-0.037	0.325	6.6	0.8274	0.0000	OK
8640 minute winter	S87	7560	-0.036	0.250	0.6	0.8098	0.0000	OK
8640 minute winter	S88	7560	-0.037	0.271	1.2	0.8851	0.0000	OK
8640 minute winter	S89	7560	-0.037	0.293	1.8	0.9508	0.0000	OK
8640 minute winter	S90	7560	-0.037	0.315	2.4	1.0039	0.0000	OK
8640 minute winter	S92	7560	-0.037	0.342	9.4	0.8712	0.0000	OK
8640 minute winter	S81	7560	-0.037	0.265	0.6	0.8569	0.0000	OK
8640 minute winter	S82	7560	-0.037	0.287	1.2	0.9331	0.0000	OK
8640 minute winter	S83	7560	-0.037	0.308	1.8	0.9955	0.0000	OK
8640 minute winter	S84	7560	-0.037	0.330	2.4	1.0471	0.0000	OK
8640 minute winter	S86	7560	-0.037	0.356	11.7	0.9062	0.0000	OK
8640 minute winter	S76	7560	-0.037	0.280	0.6	0.9010	0.0000	OK
8640 minute winter	S77	7560	-0.037	0.302	1.2	0.9768	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	4.3602	
8640 minute winter	S25	2.000	S16	0.2	0.040	0.003	3.5410	
8640 minute winter	S16	1.001	S145	1.5	0.123	0.021	8.7347	
8640 minute winter	S145	1.002	S75	2.9	0.119	0.041	10.6781	
8640 minute winter	S4	3.000	S5	0.3	0.078	0.004	6.6168	
8640 minute winter	S5	3.001	S11	0.7	0.101	0.010	8.1373	
8640 minute winter	S9	4.000	S10	-0.5	0.061	-0.007	5.0873	
8640 minute winter	S10	4.001	S11	0.2	0.040	0.003	0.9259	
8640 minute winter	S11	3.002	S12	0.9	0.086	0.012	1.9863	
8640 minute winter	S12	3.003	S15	1.0	0.059	0.014	2.6463	
8640 minute winter	S1	5.000	S3	0.9	0.106	0.013	7.6600	
8640 minute winter	S3	5.001	S2	1.5	0.106	0.021	6.1245	
8640 minute winter	S2	5.002	S15	1.7	0.089	0.024	2.4590	
8640 minute winter	S14	6.000	S15	0.2	-0.002	0.003	8.1109	
8640 minute winter	S15	3.004	S75	3.6	0.121	0.050	3.7426	
8640 minute winter	S75	1.003	S92	6.6	0.176	0.093	4.2455	
8640 minute winter	S87	7.000	S88	0.6	0.089	0.008	4.1258	
8640 minute winter	S88	7.001	S89	1.2	0.108	0.017	4.5416	
8640 minute winter	S89	7.002	S90	1.8	0.107	0.025	4.9471	
8640 minute winter	S90	7.003	S92	2.4	0.097	0.034	6.7629	
8640 minute winter	S92	1.005	S86	9.3	0.222	0.131	3.6726	
8640 minute winter	S81	8.000	S82	0.6	0.085	0.008	4.4281	
8640 minute winter	S82	8.001	S83	1.2	0.105	0.017	4.8301	
8640 minute winter	S83	8.002	S84	1.8	0.103	0.025	5.2158	
8640 minute winter	S84	8.003	S86	2.4	0.084	0.033	6.7045	
8640 minute winter	S86	1.006	S30	11.7	0.260	0.164	3.8191	
8640 minute winter	S76	9.000	S77	0.6	0.081	0.008	4.7063	
8640 minute winter	S77	9.001	S78	1.2	0.098	0.017	5.1088	

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Results for 100 year +20% CC 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	7560	-0.037	0.324	1.8	1.0424	0.0000	OK
8640 minute winter	S79	7560	-0.037	0.345	2.4	1.0903	0.0000	OK
8640 minute winter	S30	7560	-0.037	0.370	14.2	0.9419	0.0000	OK
8640 minute winter	S31	7560	-0.037	0.299	0.7	0.9910	0.0000	OK
8640 minute winter	S32	7560	-0.037	0.342	1.3	1.0570	0.0000	OK
8640 minute winter	S33	7560	-0.037	0.386	15.6	0.9822	0.0000	OK
8640 minute winter	S34	7560	-0.037	0.402	15.8	0.7102	0.0000	OK
8640 minute winter	S35	7560	-0.037	0.429	15.9	0.7581	0.0000	OK
8640 minute winter	S36	7560	-0.037	0.405	0.9	0.7156	0.0000	OK
8640 minute winter	S37	7560	-0.037	0.434	17.2	2.1344	0.0000	OK
8640 minute winter	S38	7560	-0.036	0.480	17.1	0.8487	0.0000	SURCHARGED
8640 minute winter	S39	7560	-0.036	0.526	17.0	0.9297	0.0000	SURCHARGED
8640 minute winter	S56	7560	-0.036	0.523	0.6	0.9248	0.0000	SURCHARGED
8640 minute winter	S57	7560	-0.036	0.529	17.0	1.3463	0.0000	SURCHARGED
8640 minute winter	S125	7620	-0.037	0.518	1.7	0.9162	0.0000	SURCHARGED
8640 minute winter	S127	7440	-0.036	0.543	16.9	1.3808	0.0000	SURCHARGED
8640 minute winter	S119	7500	-0.036	0.533	0.8	0.9424	0.0000	SURCHARGED
8640 minute winter	S60	7440	-0.037	0.556	16.8	1.4160	0.0000	SURCHARGED
8640 minute winter	Pond Inlet 1	7500	-0.032	0.578	23.4	1.0214	0.0000	OK
8640 minute winter	Pond Outlet	7560	-0.038	0.572	14.2	0.6466	0.0000	SURCHARGED
8640 minute winter	S13	7560	-0.038	0.600	5.6	2.0775	0.0000	SURCHARGED
8640 minute winter	Final Outfall	60	-0.740	0.000	5.6	0.0000	0.0000	OK
8640 minute winter	PP-S26	3780	0.512	0.012	0.2	0.1403	0.0000	OK
8640 minute winter	PP-S25	4080	0.510	0.010	0.2	0.0943	0.0000	OK
8640 minute winter	PP-S16	3900	0.511	0.011	0.3	0.1261	0.0000	OK
8640 minute winter	PP-S145	3660	0.510	0.010	0.3	0.1113	0.0000	OK
8640 minute winter	PP-S4	4140	0.512	0.012	0.3	0.1429	0.0000	OK
8640 minute winter	PP-S1	4620	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)
8640 minute winter	S78	9.002	S79	1.8	0.101	0.025	5.4844	
8640 minute winter	S79	9.003	S30	2.3	0.073	0.033	6.5519	
8640 minute winter	S30	1.007	S33	14.1	0.302	0.199	4.5029	
8640 minute winter	S31	10.000	S32	0.7	0.085	0.010	10.4124	
8640 minute winter	S32	10.001	S33	1.2	0.038	0.017	11.8272	
8640 minute winter	S33	1.008	S34	15.5	0.320	0.220	4.7437	
8640 minute winter	S34	1.009	S35	15.8	0.317	0.222	8.1977	
8640 minute winter	S35	1.010	S37	15.9	0.312	0.239	1.7703	
8640 minute winter	S36	11.000	S37	1.2	0.011	0.017	8.8344	
8640 minute winter	S37	1.011	S38	17.1	0.327	0.243	14.2520	
8640 minute winter	S38	1.012	S39	17.0	0.300	0.238	14.3287	
8640 minute winter	S39	1.013	S57	17.0	0.289	0.268	1.1814	
8640 minute winter	S56	12.011	S57	0.6	0.004	0.009	2.0645	
8640 minute winter	S57	1.014	S127	16.9	0.293	0.239	4.4483	
8640 minute winter	S125	21.003	S127	-1.7	-0.027	-0.024	7.8151	
8640 minute winter	S127	1.015	S60	16.8	0.291	0.236	4.3871	
8640 minute winter	S119	22.003	S60	1.6	-0.039	0.023	7.8151	
8640 minute winter	S60	1.016	Pond Inlet 1	16.7	0.372	0.221	4.7280	
8640 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	14.2	0.007	0.000	3152.8025	
8640 minute winter	Pond Outlet	1.018	S13	5.6	0.079	0.079	0.4779	
8640 minute winter	S13	Pump	Final Outfall	5.6				728.7
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	0.3	0.500	0.004	0.0030	
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	0.7	0.542	0.011	0.0065	

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Results for 100 year +20% CC 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	3960	0.512	0.012	0.4	0.1671	0.0000	OK
8640 minute winter	PP-S12	2700	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	3660	0.508	0.008	0.2	0.1482	0.0000	OK
8640 minute winter	PP-S15	4080	0.508	0.008	0.2	0.0668	0.0000	OK
8640 minute winter	PP-S75	4140	0.508	0.008	0.2	0.0739	0.0000	OK
8640 minute winter	PP-S24	3960	0.510	0.010	0.4	0.1471	0.0000	OK
8640 minute winter	PP-S30	4380	0.507	0.007	0.2	0.0702	0.0000	OK
8640 minute winter	PP-S33	3840	0.507	0.007	0.2	0.0576	0.0000	OK
8640 minute winter	PP-S34	3660	0.509	0.009	0.3	0.1114	0.0000	OK
8640 minute winter	PP-S35	4260	0.505	0.005	0.1	0.0345	0.0000	OK
8640 minute winter	PP-S36	4080	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	0.4	0.494	0.005	0.0040	
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	0.2	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	0.4	0.623	0.004	0.0032	
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	0.3	0.636	0.003	0.0024	
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: 99.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
10080 minute summer	S26	11340	-0.056	0.182	0.2	0.3209	0.0000	OK
10080 minute summer	S25	11340	-0.056	0.188	0.2	0.4775	0.0000	OK
10080 minute summer	S16	11340	-0.056	0.211	1.7	0.9338	0.0000	OK
10080 minute summer	S145	11280	-0.056	0.259	3.4	1.1135	0.0000	OK
10080 minute summer	S4	11340	-0.056	0.187	0.3	0.3299	0.0000	OK
10080 minute summer	S5	11340	-0.056	0.228	0.8	0.4022	0.0000	OK
10080 minute summer	S9	11280	-0.056	0.240	0.3	0.5520	0.0000	OK
10080 minute summer	S10	11400	-0.056	0.265	0.3	0.4675	0.0000	OK
10080 minute summer	S11	11400	-0.056	0.270	1.1	0.4763	0.0000	OK
10080 minute summer	S12	11400	-0.056	0.279	1.3	0.4922	0.0000	OK
10080 minute summer	S1	11340	-0.056	0.208	1.1	0.4888	0.0000	OK
10080 minute summer	S3	11280	-0.056	0.251	1.8	0.8015	0.0000	OK
10080 minute summer	S2	11280	-0.056	0.280	2.1	0.4940	0.0000	OK
10080 minute summer	S14	11340	-0.056	0.253	0.1	0.4464	0.0000	OK
10080 minute summer	S15	11340	-0.056	0.290	4.5	1.3033	0.0000	OK
10080 minute summer	S75	11340	-0.056	0.306	8.1	0.7777	0.0000	OK
10080 minute summer	S87	11280	-0.056	0.230	0.7	0.7447	0.0000	OK
10080 minute summer	S88	11280	-0.056	0.252	1.5	0.8203	0.0000	OK
10080 minute summer	S89	11400	-0.056	0.274	2.3	0.8865	0.0000	OK
10080 minute summer	S90	11400	-0.056	0.296	3.0	0.9413	0.0000	OK
10080 minute summer	S92	11340	-0.056	0.323	11.4	0.8210	0.0000	OK
10080 minute summer	S81	11340	-0.056	0.246	0.7	0.7933	0.0000	OK
10080 minute summer	S82	11340	-0.056	0.268	1.5	0.8692	0.0000	OK
10080 minute summer	S83	11340	-0.056	0.289	2.3	0.9319	0.0000	OK
10080 minute summer	S84	11340	-0.056	0.311	3.0	0.9854	0.0000	OK
10080 minute summer	S86	11340	-0.056	0.337	14.3	0.8566	0.0000	OK
10080 minute summer	S76	11400	-0.056	0.261	0.7	0.8383	0.0000	OK
10080 minute summer	S77	11400	-0.056	0.283	1.5	0.9140	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	3.8515	
10080 minute summer	S25	2.000	S16	0.2	0.040	0.003	3.1336	
10080 minute summer	S16	1.001	S145	1.7	0.124	0.024	7.9072	
10080 minute summer	S145	1.002	S75	3.4	0.119	0.048	9.8880	
10080 minute summer	S4	3.000	S5	0.3	0.078	0.004	5.8968	
10080 minute summer	S5	3.001	S11	0.8	0.101	0.011	7.4254	
10080 minute summer	S9	4.000	S10	0.3	0.060	0.004	4.6489	
10080 minute summer	S10	4.001	S11	0.3	0.037	0.004	0.8523	
10080 minute summer	S11	3.002	S12	1.1	0.085	0.015	1.8333	
10080 minute summer	S12	3.003	S15	1.3	0.055	0.018	2.4509	
10080 minute summer	S1	5.000	S3	1.1	0.105	0.015	6.9138	
10080 minute summer	S3	5.001	S2	1.8	0.105	0.025	5.6283	
10080 minute summer	S2	5.002	S15	2.1	0.088	0.030	2.2778	
10080 minute summer	S14	6.000	S15	0.3	0.004	0.004	7.4692	
10080 minute summer	S15	3.004	S75	4.5	0.121	0.063	3.4855	
10080 minute summer	S75	1.003	S92	8.1	0.180	0.113	3.9792	
10080 minute summer	S87	7.000	S88	0.7	0.090	0.010	3.7398	
10080 minute summer	S88	7.001	S89	1.5	0.107	0.021	4.1638	
10080 minute summer	S89	7.002	S90	2.3	0.109	0.032	4.5819	
10080 minute summer	S90	7.003	S92	2.9	0.098	0.042	6.3257	
10080 minute summer	S92	1.005	S86	11.3	0.227	0.160	3.4622	
10080 minute summer	S81	8.000	S82	0.7	0.084	0.010	4.0520	
10080 minute summer	S82	8.001	S83	1.5	0.103	0.021	4.4624	
10080 minute summer	S83	8.002	S84	2.3	0.103	0.032	4.8627	
10080 minute summer	S84	8.003	S86	2.9	0.084	0.041	6.3100	
10080 minute summer	S86	1.006	S30	14.2	0.266	0.201	3.6194	
10080 minute summer	S76	9.000	S77	0.7	0.080	0.010	4.3397	
10080 minute summer	S77	9.001	S78	1.5	0.096	0.021	4.7523	

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Results for 100 year +20% CC 10080 minute summer. 11520 minute analysis at 60 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
10080 minute summer	S78	11400	-0.056	0.305	2.3	0.9791	0.0000	OK
10080 minute summer	S79	11100	-0.056	0.326	2.9	1.0285	0.0000	OK
10080 minute summer	S30	11340	-0.056	0.351	17.4	0.8922	0.0000	OK
10080 minute summer	S31	11340	-0.056	0.280	0.8	0.9261	0.0000	OK
10080 minute summer	S32	11220	-0.056	0.323	1.5	0.9962	0.0000	OK
10080 minute summer	S33	11280	-0.056	0.367	19.0	0.9329	0.0000	OK
10080 minute summer	S34	11220	-0.056	0.383	19.3	0.6760	0.0000	OK
10080 minute summer	S35	11280	-0.056	0.410	19.4	0.7238	0.0000	OK
10080 minute summer	S36	11340	-0.056	0.386	0.7	0.6814	0.0000	OK
10080 minute summer	S37	11280	-0.056	0.415	20.9	2.0382	0.0000	OK
10080 minute summer	S38	11280	-0.056	0.460	20.8	0.8123	0.0000	SURCHARGED
10080 minute summer	S39	11280	-0.056	0.506	20.7	0.8935	0.0000	SURCHARGED
10080 minute summer	S56	11460	-0.056	0.503	2.0	0.8883	0.0000	SURCHARGED
10080 minute summer	S57	11280	-0.056	0.509	20.6	1.2945	0.0000	SURCHARGED
10080 minute summer	S125	11520	-0.056	0.499	0.9	0.8816	0.0000	SURCHARGED
10080 minute summer	S127	11220	-0.056	0.523	20.6	1.3303	0.0000	SURCHARGED
10080 minute summer	S119	11280	-0.056	0.513	1.5	0.9062	0.0000	SURCHARGED
10080 minute summer	S60	11280	-0.056	0.537	20.4	1.3661	0.0000	SURCHARGED
10080 minute summer	Pond Inlet 1	10080	-0.051	0.559	20.3	0.9882	0.0000	OK
10080 minute summer	Pond Outlet	10200	-0.058	0.552	10.2	0.6244	0.0000	SURCHARGED
10080 minute summer	S13	10320	-0.058	0.580	0.1	2.0094	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	4680	0.512	0.012	0.2	0.1403	0.0000	OK
10080 minute summer	PP-S25	4800	0.510	0.010	0.2	0.0943	0.0000	OK
10080 minute summer	PP-S16	5100	0.513	0.013	0.4	0.1619	0.0000	OK
10080 minute summer	PP-S145	4920	0.511	0.011	0.4	0.1411	0.0000	OK
10080 minute summer	PP-S4	4860	0.512	0.012	0.3	0.1429	0.0000	OK
10080 minute summer	PP-S1	5220	0.518	0.018	0.8	2.7955	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	2.2	0.103	0.032	5.1421	
10080 minute summer	S79	9.003	S30	2.9	0.076	0.041	6.1965	
10080 minute summer	S30	1.007	S33	17.3	0.310	0.244	4.2904	
10080 minute summer	S31	10.000	S32	0.8	0.087	0.011	9.7131	
10080 minute summer	S32	10.001	S33	1.4	0.043	0.020	11.2151	
10080 minute summer	S33	1.008	S34	18.9	0.329	0.268	4.5466	
10080 minute summer	S34	1.009	S35	19.3	0.323	0.271	7.9250	
10080 minute summer	S35	1.010	S37	19.3	0.315	0.291	1.7228	
10080 minute summer	S36	11.000	S37	-0.6	-0.043	-0.008	8.5550	
10080 minute summer	S37	1.011	S38	20.8	0.324	0.295	14.0702	
10080 minute summer	S38	1.012	S39	20.7	0.286	0.290	14.3287	
10080 minute summer	S39	1.013	S57	20.6	0.265	0.325	1.1814	
10080 minute summer	S56	12.011	S57	-2.0	-0.012	-0.029	2.0645	
10080 minute summer	S57	1.014	S127	20.6	0.260	0.291	4.4483	
10080 minute summer	S125	21.003	S127	-0.9	-0.006	-0.013	7.8151	
10080 minute summer	S127	1.015	S60	20.4	0.243	0.287	4.3871	
10080 minute summer	S119	22.003	S60	1.8	0.011	0.025	7.8151	
10080 minute summer	S60	1.016	Pond Inlet 1	20.3	0.334	0.268	4.7280	
10080 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	10.1	0.007	0.000	3035.6543	
10080 minute summer	Pond Outlet	1.018	S13	0.1	0.040	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	0.4	0.463	0.006	0.0043	
10080 minute summer	PP-S145	4.000_2	S145	0.4	0.542	0.005	0.0037	
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	0.8	0.564	0.012	0.0071	

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Results for 100 year +20% CC 10080 minute summer. 11520 minute analysis at 60 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
10080 minute summer	PP-S5	5100	0.513	0.013	0.5	0.2037	0.0000	OK
10080 minute summer	PP-S12	4980	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	5160	0.510	0.010	0.3	0.2120	0.0000	OK
10080 minute summer	PP-S15	4800	0.508	0.008	0.2	0.0668	0.0000	OK
10080 minute summer	PP-S75	4860	0.508	0.008	0.2	0.0739	0.0000	OK
10080 minute summer	PP-S24	5100	0.512	0.012	0.5	0.1774	0.0000	OK
10080 minute summer	PP-S30	4920	0.507	0.007	0.2	0.0702	0.0000	OK
10080 minute summer	PP-S33	4680	0.507	0.007	0.2	0.0576	0.0000	OK
10080 minute summer	PP-S34	4920	0.510	0.010	0.4	0.1423	0.0000	OK
10080 minute summer	PP-S35	4920	0.505	0.005	0.1	0.0345	0.0000	OK
10080 minute summer	PP-S36	4860	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 summer	PP-S5	2.000_2	S5	0.5	0.528	0.007	0.0047	
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	0.5	0.663	0.005	0.0038	
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	0.4	0.690	0.003	0.0029	
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	0.3	0.639	0.003	0.0023	

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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	8340	-0.036	0.202	0.2	0.3578	0.0000	OK
10080 minute winter	S25	8340	-0.035	0.209	0.1	0.5308	0.0000	OK
10080 minute winter	S16	8340	-0.035	0.232	1.3	1.0267	0.0000	OK
10080 minute winter	S145	8340	-0.035	0.280	2.5	1.2036	0.0000	OK
10080 minute winter	S4	8340	-0.035	0.208	0.2	0.3668	0.0000	OK
10080 minute winter	S5	8340	-0.035	0.249	0.6	0.4391	0.0000	OK
10080 minute winter	S9	8340	-0.035	0.261	0.3	0.6002	0.0000	OK
10080 minute winter	S10	8340	-0.035	0.286	0.4	0.5045	0.0000	OK
10080 minute winter	S11	8340	-0.035	0.291	0.8	0.5134	0.0000	OK
10080 minute winter	S12	8340	-0.035	0.300	0.8	0.5293	0.0000	OK
10080 minute winter	S1	8340	-0.036	0.228	0.8	0.5381	0.0000	OK
10080 minute winter	S3	8340	-0.035	0.272	1.3	0.8684	0.0000	OK
10080 minute winter	S2	8340	-0.035	0.301	1.5	0.5311	0.0000	OK
10080 minute winter	S14	8340	-0.035	0.274	0.1	0.4835	0.0000	OK
10080 minute winter	S15	8340	-0.035	0.311	3.1	1.3979	0.0000	OK
10080 minute winter	S75	8340	-0.035	0.327	5.6	0.8311	0.0000	OK
10080 minute winter	S87	8340	-0.035	0.251	0.5	0.8127	0.0000	OK
10080 minute winter	S88	8340	-0.035	0.273	1.1	0.8887	0.0000	OK
10080 minute winter	S89	8340	-0.035	0.295	1.7	0.9546	0.0000	OK
10080 minute winter	S90	8340	-0.035	0.317	2.2	1.0082	0.0000	OK
10080 minute winter	S92	8340	-0.035	0.344	8.1	0.8743	0.0000	OK
10080 minute winter	S81	8340	-0.035	0.267	0.5	0.8606	0.0000	OK
10080 minute winter	S82	8340	-0.035	0.289	1.1	0.9368	0.0000	OK
10080 minute winter	S83	8340	-0.035	0.310	1.7	0.9991	0.0000	OK
10080 minute winter	S84	8340	-0.035	0.332	2.1	1.0517	0.0000	OK
10080 minute winter	S86	8340	-0.035	0.358	10.2	0.9100	0.0000	OK
10080 minute winter	S76	8340	-0.035	0.282	0.5	0.9051	0.0000	OK
10080 minute winter	S77	8340	-0.035	0.304	1.1	0.9813	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	4.3935	
10080 minute winter	S25	2.000	S16	0.1	0.043	0.002	3.5675	
10080 minute winter	S16	1.001	S145	1.3	0.123	0.018	8.7891	
10080 minute winter	S145	1.002	S75	2.5	0.119	0.035	10.7329	
10080 minute winter	S4	3.000	S5	0.2	0.078	0.003	6.6677	
10080 minute winter	S5	3.001	S11	0.6	0.101	0.008	8.1900	
10080 minute winter	S9	4.000	S10	0.4	0.061	0.005	5.1193	
10080 minute winter	S10	4.001	S11	0.2	0.040	0.003	0.9317	
10080 minute winter	S11	3.002	S12	0.7	0.086	0.010	1.9977	
10080 minute winter	S12	3.003	S15	0.8	0.059	0.012	2.6593	
10080 minute winter	S1	5.000	S3	0.8	0.106	0.011	7.7098	
10080 minute winter	S3	5.001	S2	1.3	0.105	0.018	6.1584	
10080 minute winter	S2	5.002	S15	1.5	0.088	0.022	2.4710	
10080 minute winter	S14	6.000	S15	0.2	-0.002	0.003	8.1505	
10080 minute winter	S15	3.004	S75	3.0	0.122	0.042	3.7599	
10080 minute winter	S75	1.003	S92	5.6	0.176	0.078	4.2633	
10080 minute winter	S87	7.000	S88	0.5	0.089	0.007	4.1448	
10080 minute winter	S88	7.001	S89	1.1	0.107	0.015	4.5630	
10080 minute winter	S89	7.002	S90	1.7	0.109	0.023	4.9702	
10080 minute winter	S90	7.003	S92	2.1	0.089	0.030	6.7909	
10080 minute winter	S92	1.005	S86	8.0	0.217	0.113	3.6865	
10080 minute winter	S81	8.000	S82	0.5	0.082	0.007	4.4498	
10080 minute winter	S82	8.001	S83	1.1	0.103	0.015	4.8512	
10080 minute winter	S83	8.002	S84	1.6	0.103	0.023	5.2384	
10080 minute winter	S84	8.003	S86	2.1	0.076	0.030	6.7330	
10080 minute winter	S86	1.006	S30	10.1	0.253	0.143	3.8334	
10080 minute winter	S76	9.000	S77	0.6	0.078	0.008	4.7309	
10080 minute winter	S77	9.001	S78	1.1	0.096	0.015	5.1320	

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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	8340	-0.035	0.326	1.7	1.0462	0.0000	OK
10080 minute winter	S79	8340	-0.035	0.347	2.1	1.0946	0.0000	OK
10080 minute winter	S30	8340	-0.035	0.372	12.3	0.9456	0.0000	OK
10080 minute winter	S31	8340	-0.035	0.301	0.6	0.9953	0.0000	OK
10080 minute winter	S32	8340	-0.035	0.344	1.1	1.0607	0.0000	OK
10080 minute winter	S33	8340	-0.035	0.388	13.5	0.9863	0.0000	OK
10080 minute winter	S34	8340	-0.036	0.403	13.8	0.7130	0.0000	OK
10080 minute winter	S35	8340	-0.036	0.430	13.7	0.7606	0.0000	OK
10080 minute winter	S36	8340	-0.036	0.406	1.0	0.7182	0.0000	OK
10080 minute winter	S37	8340	-0.036	0.435	14.9	2.1407	0.0000	OK
10080 minute winter	S38	8340	-0.036	0.480	14.8	0.8488	0.0000	SURCHARGED
10080 minute winter	S39	8340	-0.036	0.526	14.7	0.9301	0.0000	SURCHARGED
10080 minute winter	S56	8340	-0.036	0.523	0.5	0.9248	0.0000	SURCHARGED
10080 minute winter	S57	8340	-0.036	0.529	14.6	1.3472	0.0000	SURCHARGED
10080 minute winter	S125	8400	-0.034	0.521	0.8	0.9198	0.0000	SURCHARGED
10080 minute winter	S127	8340	-0.036	0.543	14.6	1.3828	0.0000	SURCHARGED
10080 minute winter	S119	8400	-0.033	0.536	1.7	0.9473	0.0000	SURCHARGED
10080 minute winter	S60	8400	-0.035	0.558	14.5	1.4192	0.0000	SURCHARGED
10080 minute winter	Pond Inlet 1	8340	-0.029	0.581	22.5	1.0266	0.0000	OK
10080 minute winter	Pond Outlet	8340	-0.038	0.572	12.7	0.6467	0.0000	SURCHARGED
10080 minute winter	S13	8340	-0.038	0.600	5.6	2.0775	0.0000	SURCHARGED
10080 minute winter	Final Outfall	60	-0.740	0.000	5.6	0.0000	0.0000	OK
10080 minute winter	PP-S26	4680	0.512	0.012	0.2	0.1403	0.0000	OK
10080 minute winter	PP-S25	3120	0.507	0.007	0.1	0.0532	0.0000	OK
10080 minute winter	PP-S16	4920	0.511	0.011	0.3	0.1261	0.0000	OK
10080 minute winter	PP-S145	4500	0.510	0.010	0.3	0.1113	0.0000	OK
10080 minute winter	PP-S4	3960	0.510	0.010	0.2	0.1016	0.0000	OK
10080 minute winter	PP-S1	5400	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)
10080 minute winter	S78	9.002	S79	1.6	0.098	0.023	5.5062	
10080 minute winter	S79	9.003	S30	2.1	0.069	0.029	6.5767	
10080 minute winter	S30	1.007	S33	12.3	0.294	0.173	4.5184	
10080 minute winter	S31	10.000	S32	0.6	0.085	0.008	10.4563	
10080 minute winter	S32	10.001	S33	1.1	0.041	0.015	11.8682	
10080 minute winter	S33	1.008	S34	13.5	0.310	0.191	4.7585	
10080 minute winter	S34	1.009	S35	13.7	0.303	0.193	8.2162	
10080 minute winter	S35	1.010	S37	13.7	0.297	0.206	1.7730	
10080 minute winter	S36	11.000	S37	1.1	0.011	0.015	8.8527	
10080 minute winter	S37	1.011	S38	14.8	0.315	0.209	14.2623	
10080 minute winter	S38	1.012	S39	14.7	0.287	0.205	14.3287	
10080 minute winter	S39	1.013	S57	14.6	0.273	0.231	1.1814	
10080 minute winter	S56	12.011	S57	0.6	-0.007	0.009	2.0645	
10080 minute winter	S57	1.014	S127	14.6	0.271	0.206	4.4483	
10080 minute winter	S125	21.003	S127	1.1	-0.007	0.016	7.8151	
10080 minute winter	S127	1.015	S60	14.5	0.266	0.203	4.3871	
10080 minute winter	S119	22.003	S60	-1.7	-0.011	-0.025	7.8151	
10080 minute winter	S60	1.016	Pond Inlet 1	14.4	0.351	0.190	4.7280	
10080 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	12.7	0.007	0.000	3153.5486	
10080 minute winter	Pond Outlet	1.018	S13	5.6	0.080	0.079	0.4779	
10080 minute winter	S13	Pump	Final Outfall	5.6				901.1
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	0.1	0.290	0.002	0.0017	
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	0.2	0.337	0.004	0.0030	
10080 minute winter	PP-S1	4.000_1	S1	0.6	0.517	0.009	0.0058	

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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	5100	0.512	0.012	0.4	0.1671	0.0000	OK
10080 minute winter	PP-S12	3300	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	4440	0.508	0.008	0.2	0.1482	0.0000	OK
10080 minute winter	PP-S15	3120	0.506	0.006	0.1	0.0373	0.0000	OK
10080 minute winter	PP-S75	3180	0.506	0.006	0.1	0.0412	0.0000	OK
10080 minute winter	PP-S24	5100	0.510	0.010	0.4	0.1471	0.0000	OK
10080 minute winter	PP-S30	3240	0.505	0.005	0.1	0.0392	0.0000	OK
10080 minute winter	PP-S33	4860	0.507	0.007	0.2	0.0576	0.0000	OK
10080 minute winter	PP-S34	4500	0.509	0.009	0.3	0.1114	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	3960	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	0.4	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	0.1	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	0.4	0.623	0.004	0.0032	
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	0.2	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	0.0	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 +40% CC 15 minute summer. 1455 minute analysis at 1 minute timestep. Mass balance: 98.95%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	S26	22	0.698	0.936	53.5	1.6541	0.0000	SURCHARGED
15 minute summer	S25	23	0.693	0.937	55.6	2.3859	0.0000	SURCHARGED
15 minute summer	S16	22	0.694	0.961	191.6	4.2618	0.0000	SURCHARGED
15 minute summer	S145	16	0.687	1.002	172.4	4.3150	0.0000	SURCHARGED
15 minute summer	S4	25	0.666	0.909	124.1	1.6069	0.0000	SURCHARGED
15 minute summer	S5	24	0.663	0.947	173.0	1.6739	0.0000	SURCHARGED
15 minute summer	S9	14	0.711	1.007	31.0	2.3197	0.0000	SURCHARGED
15 minute summer	S10	23	0.658	0.979	35.3	1.7294	0.0000	SURCHARGED
15 minute summer	S11	42	0.657	0.983	182.9	1.7374	0.0000	SURCHARGED
15 minute summer	S12	23	0.657	0.992	190.0	1.7521	0.0000	SURCHARGED
15 minute summer	S1	12	0.766	1.030	50.8	2.4268	0.0000	SURCHARGED
15 minute summer	S3	26	0.652	0.959	81.4	3.0659	0.0000	SURCHARGED
15 minute summer	S2	22	0.652	0.988	51.3	1.7460	0.0000	SURCHARGED
15 minute summer	S14	46	0.653	0.962	52.5	1.7007	0.0000	SURCHARGED
15 minute summer	S15	22	0.654	1.000	258.6	4.5014	0.0000	SURCHARGED
15 minute summer	S75	17	0.686	1.048	296.1	2.6677	0.0000	SURCHARGED
15 minute summer	S87	12	1.268	1.554	67.2	5.0415	0.0000	FLOOD RISK
15 minute summer	S88	12	1.264	1.572	111.2	5.1258	0.0000	FLOOD RISK
15 minute summer	S89	12	1.214	1.544	162.6	5.0053	0.0000	FLOOD RISK
15 minute summer	S90	12	1.086	1.438	213.6	4.5789	0.0000	SURCHARGED
15 minute summer	S92	13	0.844	1.223	364.2	3.1115	0.0000	SURCHARGED
15 minute summer	S81	12	1.300	1.602	67.2	5.1729	0.5293	FLOOD
15 minute summer	S82	12	1.300	1.624	110.8	5.2731	0.3919	FLOOD
15 minute summer	S83	12	1.273	1.618	160.0	5.2237	0.0000	FLOOD RISK
15 minute summer	S84	12	1.158	1.525	209.0	4.8380	0.0000	FLOOD RISK
15 minute summer	S86	12	0.892	1.285	204.0	3.2710	0.0000	SURCHARGED
15 minute summer	S76	12	1.300	1.617	67.2	5.1987	0.5040	FLOOD
15 minute summer	S77	12	1.300	1.639	112.4	5.2989	0.1437	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	-49.7	-0.313	-0.702	9.2005	
15 minute summer	S25	2.000	S16	-51.2	-0.323	-0.725	7.3393	
15 minute summer	S16	1.001	S145	-129.9	-0.820	-1.821	15.0038	
15 minute summer	S145	1.002	S75	-90.0	-0.568	-1.275	15.0038	
15 minute summer	S4	3.000	S5	-116.7	-0.773	-1.655	13.1095	
15 minute summer	S5	3.001	S11	-161.1	-1.017	-2.257	13.1095	
15 minute summer	S9	4.000	S10	23.4	0.494	0.334	8.0648	
15 minute summer	S10	4.001	S11	-35.3	0.554	-0.464	1.3780	
15 minute summer	S11	3.002	S12	-182.4	-1.152	-2.586	2.8740	
15 minute summer	S12	3.003	S15	-186.4	-1.177	-2.707	3.6838	
15 minute summer	S1	5.000	S3	-30.0	-0.189	-0.422	13.5151	
15 minute summer	S3	5.001	S2	48.8	0.577	0.688	9.1848	
15 minute summer	S2	5.002	S15	37.5	0.353	0.550	3.4165	
15 minute summer	S14	6.000	S15	-52.5	-0.569	-0.746	11.8707	
15 minute summer	S15	3.004	S75	-194.5	-1.228	-2.718	4.9661	
15 minute summer	S75	1.003	S92	-292.0	-1.843	-4.104	5.3380	
15 minute summer	S87	7.000	S88	49.1	0.310	0.688	6.8747	
15 minute summer	S88	7.001	S89	100.3	0.633	1.406	6.8747	
15 minute summer	S89	7.002	S90	153.0	0.966	2.144	6.8747	
15 minute summer	S90	7.003	S92	208.7	1.317	2.961	8.6413	
15 minute summer	S92	1.005	S86	-155.5	-0.981	-2.188	4.4095	
15 minute summer	S81	8.000	S82	44.9	0.283	0.629	6.8747	
15 minute summer	S82	8.001	S83	94.3	0.595	1.354	6.8747	
15 minute summer	S83	8.002	S84	148.3	0.936	2.079	6.8747	
15 minute summer	S84	8.003	S86	204.0	1.288	2.873	8.1975	
15 minute summer	S86	1.006	S30	122.0	0.770	1.718	4.4165	
15 minute summer	S76	9.000	S77	46.4	0.293	0.651	6.8747	
15 minute summer	S77	9.001	S78	96.4	0.609	1.352	6.8747	

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Results for 100 year +40% CC 15 minute summer. 1455 minute analysis at 1 minute timestep. Mass balance: 98.95%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	S78	12	1.258	1.619	160.8	5.2039	0.0000	FLOOD RISK
15 minute summer	S79	12	1.133	1.515	209.4	4.7870	0.0000	FLOOD RISK
15 minute summer	S30	12	0.890	1.297	259.0	3.3001	0.0000	SURCHARGED
15 minute summer	S31	11	1.098	1.434	72.6	4.7496	0.0000	FLOOD RISK
15 minute summer	S32	12	0.922	1.301	129.4	4.0188	0.0000	SURCHARGED
15 minute summer	S33	12	0.785	1.208	282.4	3.0745	0.0000	SURCHARGED
15 minute summer	S34	15	0.667	1.106	218.7	1.9541	0.0000	SURCHARGED
15 minute summer	S35	17	0.603	1.069	208.8	1.8888	0.0000	SURCHARGED
15 minute summer	S36	18	0.589	1.031	30.8	1.8221	0.0000	SURCHARGED
15 minute summer	S37	16	0.577	1.048	268.2	5.1510	0.0000	SURCHARGED
15 minute summer	S38	19	0.312	0.828	215.4	1.4625	0.0000	SURCHARGED
15 minute summer	S39	19	0.066	0.628	199.2	1.1102	0.0000	SURCHARGED
15 minute summer	S56	19	0.023	0.582	13.8	1.0275	0.0000	SURCHARGED
15 minute summer	S57	19	0.023	0.588	182.2	1.4954	0.0000	SURCHARGED
15 minute summer	S125	19	-0.070	0.485	56.9	0.8572	0.0000	SURCHARGED
15 minute summer	S127	20	-0.073	0.506	178.8	1.2883	0.0000	SURCHARGED
15 minute summer	S119	18	-0.157	0.412	38.9	0.7279	0.0000	OK
15 minute summer	S60	20	-0.163	0.430	161.6	1.0948	0.0000	OK
15 minute summer	Pond Inlet 1	20	-0.291	0.319	159.1	0.5639	0.0000	OK
15 minute summer	Pond Outlet	1427	-0.447	0.163	126.4	0.1838	0.0000	OK
15 minute summer	S13	1190	-0.447	0.191	1.0	0.6603	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	0.702	0.202	38.0	19.0249	0.0000	OK
15 minute summer	PP-S25	24	0.694	0.194	45.8	15.8783	0.0000	OK
15 minute summer	PP-S16	23	0.697	0.197	59.1	25.6925	0.0000	OK
15 minute summer	PP-S145	21	0.687	0.187	65.7	25.0743	0.0000	OK
15 minute summer	PP-S4	25	0.667	0.167	37.1	19.4546	0.0000	OK
15 minute summer	PP-S1	30	0.650	0.150	83.6	49.7523	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	151.2	0.954	2.170	6.8745	
15 minute summer	S79	9.003	S30	204.2	1.289	2.839	7.6907	
15 minute summer	S30	1.007	S33	205.7	1.298	2.890	5.0209	
15 minute summer	S31	10.000	S32	78.5	0.495	1.110	13.6740	
15 minute summer	S32	10.001	S33	128.5	0.811	1.797	13.6740	
15 minute summer	S33	1.008	S34	209.2	1.320	2.965	5.1108	
15 minute summer	S34	1.009	S35	207.2	1.308	2.918	8.5103	
15 minute summer	S35	1.010	S37	192.5	1.215	2.897	1.7947	
15 minute summer	S36	11.000	S37	29.1	-0.245	0.409	9.1184	
15 minute summer	S37	1.011	S38	215.4	1.360	3.049	14.3287	
15 minute summer	S38	1.012	S39	199.2	1.258	2.787	14.3287	
15 minute summer	S39	1.013	S57	180.7	1.160	2.852	1.1814	
15 minute summer	S56	12.011	S57	-13.8	-0.542	-0.203	2.0645	
15 minute summer	S57	1.014	S127	177.3	1.372	2.506	4.4483	
15 minute summer	S125	21.003	S127	-56.9	-0.670	-0.814	7.8151	
15 minute summer	S127	1.015	S60	160.5	1.141	2.253	4.3537	
15 minute summer	S119	22.003	S60	-38.9	-0.545	-0.557	7.5539	
15 minute summer	S60	1.016	Pond Inlet 1	159.1	1.128	2.101	4.1217	
15 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	126.4	0.053	0.003	831.5530	
15 minute summer	Pond Outlet	1.018	S13	1.0	0.327	0.014	0.2924	
15 minute summer	S13	Pump	Final Outfall	0.0				0.0
15 minute summer	PP-S26	1.000_1	S26	-28.2	-1.137	-0.735	0.3870	
15 minute summer	PP-S25	2.000_1	S25	-37.4	-1.464	-0.651	0.1906	
15 minute summer	PP-S16	3.000_1	S16	-44.1	-1.491	-0.653	0.1915	
15 minute summer	PP-S145	4.000_2	S145	-47.8	-1.541	-0.566	0.1875	
15 minute summer	PP-S4	1.000_2	S4	-23.0	-0.980	-0.404	0.1785	
15 minute summer	PP-S1	4.000_1	S1	-50.1	-1.892	-0.756	0.1698	

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Results for 100 year +40% CC 15 minute summer. 1455 minute analysis at 1 minute timestep. Mass balance: 98.95%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	PP-S5	24	0.665	0.165	44.3	22.8091	0.0000	OK
15 minute summer	PP-S12	23	0.658	0.158	46.4	15.4186	0.0000	OK
15 minute summer	PP-S14	41	0.612	0.112	46.0	47.6897	0.0000	OK
15 minute summer	PP-S2	20	0.654	0.154	40.4	15.9857	0.0000	OK
15 minute summer	PP-S15	18	0.658	0.158	34.1	8.5026	0.0000	OK
15 minute summer	PP-S75	17	0.689	0.189	58.1	11.3978	0.0000	OK
15 minute summer	PP-S24	18	0.723	0.223	111.7	29.8845	0.0000	OK
15 minute summer	PP-S30	15	0.806	0.306	106.4	17.6467	0.0000	SURCHARGED
15 minute summer	PP-S33	15	0.756	0.256	87.0	14.9570	0.0000	SURCHARGED
15 minute summer	PP-S34	18	0.663	0.163	65.9	19.3360	0.0000	OK
15 minute summer	PP-S35	16	0.598	0.098	13.6	2.5301	0.0000	OK
15 minute summer	PP-S36	18	0.576	0.076	20.3	5.6866	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	-23.5	1.318	-0.317	0.1772	
15 minute summer	PP-S12	8.000_1	S12	-38.8	-1.418	-0.427	0.1740	
15 minute summer	PP-S14	11.000_1	S14	-45.5	-1.670	-0.549	0.1489	
15 minute summer	PP-S2	10.000_1	S2	-29.3	1.075	-0.321	0.1720	
15 minute summer	PP-S15	12.000_1	S15	-25.4	1.258	-0.270	0.1737	
15 minute summer	PP-S75	13.000_1	S75	-50.0	-1.668	-0.506	0.1883	
15 minute summer	PP-S24	14.000_1	S92	-91.4	-2.585	-0.891	0.1987	
15 minute summer	PP-S30	18.000_1	S30	-99.0	-2.704	-0.890	0.1989	
15 minute summer	PP-S33	20.000_1	S33	-78.3	-2.361	-0.685	0.1989	
15 minute summer	PP-S34	21.000_1	S34	-48.5	1.595	-0.410	0.1762	
15 minute summer	PP-S35	22.000_2	S35	19.7	1.072	0.159	0.1409	
15 minute summer	PP-S36	23.000_2	S36	24.9	1.650	0.209	0.1291	

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Results for 100 year +40% CC 15 minute winter. 1455 minute analysis at 1 minute timestep. Mass balance: 98.97%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	S26	23	0.735	0.973	44.4	1.7185	0.0000	SURCHARGED
15 minute winter	S25	23	0.729	0.973	58.6	2.4770	0.0000	SURCHARGED
15 minute winter	S16	23	0.730	0.997	218.1	4.4198	0.0000	SURCHARGED
15 minute winter	S145	15	0.722	1.037	176.5	4.4660	0.0000	SURCHARGED
15 minute winter	S4	13	0.851	1.094	57.9	1.9335	0.0000	SURCHARGED
15 minute winter	S5	13	0.759	1.043	179.1	1.8431	0.0000	SURCHARGED
15 minute winter	S9	23	0.683	0.979	50.5	2.2547	0.0000	SURCHARGED
15 minute winter	S10	24	0.682	1.003	66.6	1.7726	0.0000	SURCHARGED
15 minute winter	S11	23	0.683	1.009	207.7	1.7830	0.0000	SURCHARGED
15 minute winter	S12	23	0.681	1.016	213.0	1.7960	0.0000	SURCHARGED
15 minute winter	S1	29	0.679	0.943	60.6	2.2216	0.0000	SURCHARGED
15 minute winter	S3	25	0.678	0.985	137.0	3.1504	0.0000	SURCHARGED
15 minute winter	S2	23	0.679	1.015	74.2	1.7929	0.0000	SURCHARGED
15 minute winter	S14	28	0.672	0.981	76.6	1.7341	0.0000	SURCHARGED
15 minute winter	S15	22	0.680	1.026	278.5	4.6170	0.0000	SURCHARGED
15 minute winter	S75	14	0.723	1.085	276.9	2.7622	0.0000	SURCHARGED
15 minute winter	S87	11	1.300	1.586	70.7	5.1450	2.0326	FLOOD
15 minute winter	S88	11	1.299	1.607	122.8	5.2420	0.6788	FLOOD
15 minute winter	S89	12	1.237	1.567	180.1	5.0778	0.0000	FLOOD RISK
15 minute winter	S90	12	1.124	1.476	231.6	4.7005	0.0000	FLOOD RISK
15 minute winter	S92	13	0.891	1.270	361.1	3.2324	0.0000	SURCHARGED
15 minute winter	S81	11	1.300	1.602	70.7	5.1729	2.7769	FLOOD
15 minute winter	S82	11	1.300	1.624	118.2	5.2731	1.1867	FLOOD
15 minute winter	S83	11	1.272	1.617	168.7	5.2186	0.0000	FLOOD RISK
15 minute winter	S84	12	1.146	1.513	226.3	4.7996	0.0000	FLOOD RISK
15 minute winter	S86	13	0.944	1.337	209.3	3.4022	0.0000	SURCHARGED
15 minute winter	S76	11	1.300	1.617	70.7	5.1987	2.6167	FLOOD
15 minute winter	S77	11	1.300	1.639	116.0	5.2989	0.7431	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	-41.1	-0.314	-0.581	9.2005	
15 minute winter	S25	2.000	S16	-58.6	-0.370	-0.831	7.3393	
15 minute winter	S16	1.001	S145	-150.9	-0.960	-2.115	15.0038	
15 minute winter	S145	1.002	S75	-84.2	-0.531	-1.193	15.0038	
15 minute winter	S4	3.000	S5	-55.4	-0.551	-0.785	13.1095	
15 minute winter	S5	3.001	S11	-167.6	-1.087	-2.347	13.1095	
15 minute winter	S9	4.000	S10	-26.1	0.481	-0.371	8.0648	
15 minute winter	S10	4.001	S11	-66.6	0.594	-0.876	1.3780	
15 minute winter	S11	3.002	S12	-206.4	-1.314	-2.925	2.8740	
15 minute winter	S12	3.003	S15	-209.6	-1.323	-3.044	3.6838	
15 minute winter	S1	5.000	S3	-32.5	-0.205	-0.457	13.5151	
15 minute winter	S3	5.001	S2	-71.5	0.575	-1.009	9.1848	
15 minute winter	S2	5.002	S15	-70.5	-0.445	-1.034	3.4165	
15 minute winter	S14	6.000	S15	-76.5	-0.610	-1.087	11.8707	
15 minute winter	S15	3.004	S75	-192.2	-1.218	-2.685	4.9661	
15 minute winter	S75	1.003	S92	-272.0	-1.717	-3.822	5.3380	
15 minute winter	S87	7.000	S88	54.3	0.343	0.762	6.8747	
15 minute winter	S88	7.001	S89	111.6	0.705	1.565	6.8747	
15 minute winter	S89	7.002	S90	164.9	1.041	2.312	6.8747	
15 minute winter	S90	7.003	S92	214.4	1.353	3.042	8.6413	
15 minute winter	S92	1.005	S86	-146.7	-0.926	-2.065	4.4095	
15 minute winter	S81	8.000	S82	45.6	0.288	0.640	6.8747	
15 minute winter	S82	8.001	S83	100.2	0.633	1.439	6.8747	
15 minute winter	S83	8.002	S84	159.6	1.008	2.237	6.8747	
15 minute winter	S84	8.003	S86	209.3	1.321	2.948	8.1975	
15 minute winter	S86	1.006	S30	121.8	0.769	1.715	4.4165	
15 minute winter	S76	9.000	S77	48.8	0.308	0.684	6.8747	
15 minute winter	S77	9.001	S78	104.3	0.658	1.462	6.8747	

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Results for 100 year +40% CC 15 minute winter. 1455 minute analysis at 1 minute timestep. Mass balance: 98.97%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	S78	11	1.257	1.618	172.8	5.1989	0.0000	FLOOD RISK
15 minute winter	S79	12	1.134	1.516	224.8	4.7902	0.0000	FLOOD RISK
15 minute winter	S30	13	0.934	1.341	254.9	3.4130	0.0000	SURCHARGED
15 minute winter	S31	11	1.125	1.461	119.1	4.8376	0.0000	FLOOD RISK
15 minute winter	S32	11	1.071	1.450	129.0	4.4773	0.0000	SURCHARGED
15 minute winter	S33	13	0.829	1.252	304.8	3.1873	0.0000	SURCHARGED
15 minute winter	S34	15	0.715	1.154	214.9	2.0397	0.0000	SURCHARGED
15 minute winter	S35	16	0.637	1.103	202.9	1.9484	0.0000	SURCHARGED
15 minute winter	S36	19	0.618	1.060	49.9	1.8733	0.0000	SURCHARGED
15 minute winter	S37	16	0.606	1.077	272.3	5.2957	0.0000	SURCHARGED
15 minute winter	S38	20	0.342	0.858	208.9	1.5161	0.0000	SURCHARGED
15 minute winter	S39	20	0.085	0.647	191.7	1.1431	0.0000	SURCHARGED
15 minute winter	S56	20	0.039	0.598	39.6	1.0568	0.0000	SURCHARGED
15 minute winter	S57	20	0.039	0.604	186.8	1.5372	0.0000	SURCHARGED
15 minute winter	S125	21	-0.062	0.493	58.2	0.8719	0.0000	SURCHARGED
15 minute winter	S127	20	-0.061	0.518	182.7	1.3178	0.0000	SURCHARGED
15 minute winter	S119	19	-0.152	0.417	42.4	0.7364	0.0000	OK
15 minute winter	S60	21	-0.156	0.437	167.1	1.1117	0.0000	OK
15 minute winter	Pond Inlet 1	21	-0.285	0.325	162.7	0.5739	0.0000	OK
15 minute winter	Pond Outlet	1415	-0.431	0.179	133.5	0.2029	0.0000	OK
15 minute winter	S13	1001	-0.431	0.207	1.2	0.7188	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	0.739	0.239	57.1	23.0567	0.0000	SURCHARGED
15 minute winter	PP-S25	24	0.730	0.230	69.2	19.2243	0.0000	SURCHARGED
15 minute winter	PP-S16	23	0.733	0.233	82.0	31.9442	0.0000	SURCHARGED
15 minute winter	PP-S145	21	0.722	0.222	77.1	31.4684	0.0000	OK
15 minute winter	PP-S4	26	0.694	0.194	102.5	23.7018	0.0000	OK
15 minute winter	PP-S1	30	0.680	0.180	76.9	60.3032	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	158.2	0.998	2.270	6.8745	
15 minute winter	S79	9.003	S30	208.1	1.314	2.894	7.6907	
15 minute winter	S30	1.007	S33	224.8	1.419	3.158	5.0209	
15 minute winter	S31	10.000	S32	65.8	0.419	0.931	13.6740	
15 minute winter	S32	10.001	S33	158.0	0.997	2.209	13.6740	
15 minute winter	S33	1.008	S34	214.9	1.356	3.046	5.1108	
15 minute winter	S34	1.009	S35	201.0	1.269	2.830	8.5103	
15 minute winter	S35	1.010	S37	186.3	1.176	2.804	1.7947	
15 minute winter	S36	11.000	S37	-42.8	-0.346	-0.602	9.1184	
15 minute winter	S37	1.011	S38	208.9	1.360	2.956	14.3287	
15 minute winter	S38	1.012	S39	191.7	1.296	2.683	14.3287	
15 minute winter	S39	1.013	S57	181.7	1.395	2.867	1.1814	
15 minute winter	S56	12.011	S57	-39.6	-0.555	-0.583	2.0645	
15 minute winter	S57	1.014	S127	182.7	1.274	2.583	4.4483	
15 minute winter	S125	21.003	S127	-58.2	-0.610	-0.834	7.8151	
15 minute winter	S127	1.015	S60	167.1	1.432	2.345	4.3693	
15 minute winter	S119	22.003	S60	-42.4	-0.586	-0.607	7.6527	
15 minute winter	S60	1.016	Pond Inlet 1	162.7	1.141	2.149	4.1727	
15 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	133.5	0.054	0.003	921.8685	
15 minute winter	Pond Outlet	1.018	S13	1.2	0.330	0.017	0.3256	
15 minute winter	S13	Pump	Final Outfall	0.0				0.0
15 minute winter	PP-S26	1.000_1	S26	-46.5	-1.610	-1.209	0.3977	
15 minute winter	PP-S25	2.000_1	S25	-60.0	-2.092	-1.044	0.1989	
15 minute winter	PP-S16	3.000_1	S16	-65.8	-2.209	-0.974	0.1989	
15 minute winter	PP-S145	4.000_2	S145	-58.0	-1.973	-0.687	0.1986	
15 minute winter	PP-S4	1.000_2	S4	-87.1	-2.935	-1.528	0.1906	
15 minute winter	PP-S1	4.000_1	S1	-36.9	-1.282	-0.556	0.1845	

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Results for 100 year +40% CC 15 minute winter. 1455 minute analysis at 1 minute timestep. Mass balance: 98.97%

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	0.691	0.191	49.6	28.0773	0.0000	OK
15 minute winter	PP-S12	23	0.683	0.183	55.2	18.1268	0.0000	OK
15 minute winter	PP-S14	44	0.636	0.136	50.9	62.6393	0.0000	OK
15 minute winter	PP-S2	20	0.682	0.182	59.2	19.1266	0.0000	OK
15 minute winter	PP-S15	17	0.681	0.181	38.6	9.9028	0.0000	OK
15 minute winter	PP-S75	17	0.726	0.226	67.4	13.8468	0.0000	SURCHARGED
15 minute winter	PP-S24	18	0.777	0.277	120.9	38.2592	0.0000	SURCHARGED
15 minute winter	PP-S30	15	0.893	0.393	103.5	22.8574	0.0000	SURCHARGED
15 minute winter	PP-S33	15	0.824	0.324	95.6	19.2000	0.0000	SURCHARGED
15 minute winter	PP-S34	18	0.712	0.212	75.7	26.4248	0.0000	OK
15 minute winter	PP-S35	16	0.642	0.142	18.1	3.7462	0.0000	OK
15 minute winter	PP-S36	18	0.615	0.115	28.7	10.3146	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	-26.8	1.308	-0.362	0.1893	
15 minute winter	PP-S12	8.000_1	S12	-46.7	-1.597	-0.513	0.1857	
15 minute winter	PP-S14	11.000_1	S14	-50.3	-1.798	-0.607	0.1620	
15 minute winter	PP-S2	10.000_1	S2	-46.7	-1.478	-0.512	0.1856	
15 minute winter	PP-S15	12.000_1	S15	-28.8	1.236	-0.306	0.1851	
15 minute winter	PP-S75	13.000_1	S75	-58.2	-1.749	-0.589	0.1988	
15 minute winter	PP-S24	14.000_1	S92	-98.1	-2.863	-0.956	0.1989	
15 minute winter	PP-S30	18.000_1	S30	-95.2	-2.885	-0.856	0.1989	
15 minute winter	PP-S33	20.000_1	S33	-85.9	-2.704	-0.752	0.1989	
15 minute winter	PP-S34	21.000_1	S34	-56.8	-1.890	-0.480	0.1966	
15 minute winter	PP-S35	22.000_2	S35	15.9	1.030	0.128	0.1657	
15 minute winter	PP-S36	23.000_2	S36	33.0	1.692	0.277	0.1502	

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Results for 100 year +40% CC 30 minute summer. 1470 minute analysis at 1 minute timestep. Mass balance: 99.50%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	S26	33	0.775	1.013	66.5	1.7900	0.0000	SURCHARGED
30 minute summer	S25	33	0.774	1.018	64.5	2.5916	0.0000	SURCHARGED
30 minute summer	S16	33	0.773	1.040	196.5	4.6111	0.0000	SURCHARGED
30 minute summer	S145	32	0.762	1.077	152.8	4.6368	0.0000	SURCHARGED
30 minute summer	S4	36	0.734	0.977	114.3	1.7262	0.0000	SURCHARGED
30 minute summer	S5	36	0.731	1.015	155.3	1.7928	0.0000	SURCHARGED
30 minute summer	S9	34	0.724	1.020	45.4	2.3508	0.0000	SURCHARGED
30 minute summer	S10	34	0.725	1.046	48.0	1.8476	0.0000	SURCHARGED
30 minute summer	S11	34	0.724	1.050	193.1	1.8560	0.0000	SURCHARGED
30 minute summer	S12	33	0.724	1.059	199.3	1.8710	0.0000	SURCHARGED
30 minute summer	S1	40	0.723	0.987	71.0	2.3233	0.0000	SURCHARGED
30 minute summer	S3	33	0.721	1.028	73.9	3.2864	0.0000	SURCHARGED
30 minute summer	S2	33	0.723	1.059	47.3	1.8710	0.0000	SURCHARGED
30 minute summer	S14	38	0.705	1.014	56.7	1.7911	0.0000	SURCHARGED
30 minute summer	S15	33	0.723	1.069	233.6	4.8120	0.0000	SURCHARGED
30 minute summer	S75	31	0.752	1.114	251.1	2.8345	0.0000	SURCHARGED
30 minute summer	S87	19	1.300	1.586	60.2	5.1450	0.8674	FLOOD
30 minute summer	S88	19	1.300	1.608	108.2	5.2437	0.3084	FLOOD
30 minute summer	S89	19	1.275	1.605	155.7	5.2024	0.0000	FLOOD RISK
30 minute summer	S90	19	1.166	1.518	201.5	4.8346	0.0000	FLOOD RISK
30 minute summer	S92	19	0.902	1.281	325.5	3.2597	0.0000	SURCHARGED
30 minute summer	S81	19	1.300	1.602	60.2	5.1729	1.4160	FLOOD
30 minute summer	S82	19	1.300	1.624	106.6	5.2731	0.6508	FLOOD
30 minute summer	S83	19	1.272	1.617	152.0	5.2195	0.0000	FLOOD RISK
30 minute summer	S84	19	1.180	1.547	194.7	4.9083	0.0000	FLOOD RISK
30 minute summer	S86	19	0.957	1.350	194.2	3.4369	0.0000	SURCHARGED
30 minute summer	S76	19	1.300	1.617	60.2	5.1987	1.1326	FLOOD
30 minute summer	S77	19	1.300	1.639	106.1	5.2989	0.3680	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	-62.8	-0.396	-0.887	9.2005	
30 minute summer	S25	2.000	S16	-60.3	-0.381	-0.854	7.3393	
30 minute summer	S16	1.001	S145	-135.8	-0.857	-1.904	15.0038	
30 minute summer	S145	1.002	S75	-69.3	-0.437	-0.981	15.0038	
30 minute summer	S4	3.000	S5	-106.7	-0.674	-1.514	13.1095	
30 minute summer	S5	3.001	S11	-143.2	-0.904	-2.006	13.1095	
30 minute summer	S9	4.000	S10	29.3	0.286	0.418	8.0648	
30 minute summer	S10	4.001	S11	-48.0	0.443	-0.631	1.3780	
30 minute summer	S11	3.002	S12	-193.1	-1.219	-2.737	2.8740	
30 minute summer	S12	3.003	S15	-195.6	-1.235	-2.841	3.6838	
30 minute summer	S1	5.000	S3	-47.3	-0.299	-0.665	13.5151	
30 minute summer	S3	5.001	S2	40.2	0.351	0.567	9.1848	
30 minute summer	S2	5.002	S15	-46.7	-0.295	-0.686	3.4165	
30 minute summer	S14	6.000	S15	-56.7	-0.358	-0.806	11.8707	
30 minute summer	S15	3.004	S75	-170.6	-1.077	-2.383	4.9661	
30 minute summer	S75	1.003	S92	-245.9	-1.552	-3.455	5.3380	
30 minute summer	S87	7.000	S88	50.5	0.318	0.707	6.8747	
30 minute summer	S88	7.001	S89	94.9	0.599	1.331	6.8747	
30 minute summer	S89	7.002	S90	145.9	0.921	2.045	6.8747	
30 minute summer	S90	7.003	S92	199.2	1.257	2.827	8.6413	
30 minute summer	S92	1.005	S86	-139.8	-0.883	-1.968	4.4095	
30 minute summer	S81	8.000	S82	44.8	0.283	0.628	6.8747	
30 minute summer	S82	8.001	S83	90.2	0.569	1.295	6.8747	
30 minute summer	S83	8.002	S84	136.9	0.864	1.918	6.8747	
30 minute summer	S84	8.003	S86	194.2	1.226	2.735	8.1975	
30 minute summer	S86	1.006	S30	124.8	0.788	1.758	4.4165	
30 minute summer	S76	9.000	S77	44.8	0.283	0.627	6.8747	
30 minute summer	S77	9.001	S78	90.6	0.572	1.270	6.8747	

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Results for 100 year +40% CC 30 minute summer. 1470 minute analysis at 1 minute timestep. Mass balance: 99.50%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	S78	19	1.264	1.625	151.6	5.2213	0.0000	FLOOD RISK
30 minute summer	S79	19	1.165	1.547	199.8	4.8861	0.0000	FLOOD RISK
30 minute summer	S30	20	0.948	1.355	269.8	3.4495	0.0000	SURCHARGED
30 minute summer	S31	18	0.955	1.291	65.0	4.2749	0.0000	SURCHARGED
30 minute summer	S32	20	0.931	1.310	137.6	4.0453	0.0000	SURCHARGED
30 minute summer	S33	20	0.851	1.274	268.0	3.2424	0.0000	SURCHARGED
30 minute summer	S34	23	0.738	1.177	187.4	2.0790	0.0000	SURCHARGED
30 minute summer	S35	28	0.657	1.123	171.4	1.9842	0.0000	SURCHARGED
30 minute summer	S36	28	0.634	1.076	33.8	1.9013	0.0000	SURCHARGED
30 minute summer	S37	28	0.628	1.099	234.4	5.4020	0.0000	SURCHARGED
30 minute summer	S38	24	0.364	0.880	199.4	1.5546	0.0000	SURCHARGED
30 minute summer	S39	24	0.097	0.659	186.0	1.1638	0.0000	SURCHARGED
30 minute summer	S56	24	0.050	0.609	11.6	1.0754	0.0000	SURCHARGED
30 minute summer	S57	24	0.049	0.614	183.4	1.5624	0.0000	SURCHARGED
30 minute summer	S125	29	-0.054	0.501	39.2	0.8860	0.0000	SURCHARGED
30 minute summer	S127	29	-0.054	0.525	178.0	1.3371	0.0000	SURCHARGED
30 minute summer	S119	26	-0.151	0.418	34.4	0.7390	0.0000	OK
30 minute summer	S60	25	-0.151	0.442	168.3	1.1250	0.0000	OK
30 minute summer	Pond Inlet 1	30	-0.281	0.329	165.3	0.5806	0.0000	OK
30 minute summer	Pond Outlet	1154	-0.401	0.209	144.1	0.2364	0.0000	OK
30 minute summer	S13	804	-0.401	0.237	1.2	0.8212	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	33	0.777	0.277	41.2	27.2320	0.0000	SURCHARGED
30 minute summer	PP-S25	34	0.775	0.275	50.0	23.5614	0.0000	SURCHARGED
30 minute summer	PP-S16	33	0.774	0.274	62.1	38.9704	0.0000	SURCHARGED
30 minute summer	PP-S145	32	0.764	0.264	76.3	38.9035	0.0000	SURCHARGED
30 minute summer	PP-S4	37	0.735	0.235	44.3	30.0723	0.0000	SURCHARGED
30 minute summer	PP-S1	40	0.724	0.224	80.5	75.8414	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	144.9	0.915	2.080	6.8745	
30 minute summer	S79	9.003	S30	201.0	1.269	2.795	7.6907	
30 minute summer	S30	1.007	S33	166.5	1.051	2.339	5.0209	
30 minute summer	S31	10.000	S32	80.6	0.509	1.140	13.6740	
30 minute summer	S32	10.001	S33	121.0	0.764	1.692	13.6740	
30 minute summer	S33	1.008	S34	186.6	1.178	2.645	5.1108	
30 minute summer	S34	1.009	S35	169.8	1.072	2.391	8.5103	
30 minute summer	S35	1.010	S37	164.7	1.040	2.479	1.7947	
30 minute summer	S36	11.000	S37	29.1	0.184	0.409	9.1184	
30 minute summer	S37	1.011	S38	199.4	1.259	2.823	14.3287	
30 minute summer	S38	1.012	S39	186.0	1.174	2.602	14.3287	
30 minute summer	S39	1.013	S57	183.4	1.165	2.895	1.1814	
30 minute summer	S56	12.011	S57	-11.6	-0.291	-0.171	2.0645	
30 minute summer	S57	1.014	S127	178.0	1.263	2.516	4.4483	
30 minute summer	S125	21.003	S127	-39.2	-0.566	-0.561	7.8151	
30 minute summer	S127	1.015	S60	168.3	1.202	2.363	4.3782	
30 minute summer	S119	22.003	S60	-34.4	-0.549	-0.493	7.6783	
30 minute summer	S60	1.016	Pond Inlet 1	165.3	1.146	2.184	4.2039	
30 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	144.1	0.056	0.003	1081.1968	
30 minute summer	Pond Outlet	1.018	S13	1.2	0.337	0.017	0.3805	
30 minute summer	S13	Pump	Final Outfall	0.0				0.0
30 minute summer	PP-S26	1.000_1	S26	-30.8	-1.279	-0.803	0.3977	
30 minute summer	PP-S25	2.000_1	S25	-41.1	-1.656	-0.716	0.1989	
30 minute summer	PP-S16	3.000_1	S16	-45.7	-1.458	-0.677	0.1989	
30 minute summer	PP-S145	4.000_2	S145	-57.4	-1.773	-0.680	0.1989	
30 minute summer	PP-S4	1.000_2	S4	-29.6	-1.178	-0.519	0.1989	
30 minute summer	PP-S1	4.000_1	S1	-42.7	-1.385	-0.645	0.1987	

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Results for 100 year +40% CC 30 minute summer. 1470 minute analysis at 1 minute timestep. Mass balance: 99.50%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	PP-S5	36	0.732	0.232	48.6	36.2388	0.0000	SURCHARGED
30 minute summer	PP-S12	34	0.724	0.224	55.5	22.7566	0.0000	OK
30 minute summer	PP-S14	55	0.674	0.174	57.0	87.3034	0.0000	OK
30 minute summer	PP-S2	33	0.724	0.224	55.9	23.7914	0.0000	OK
30 minute summer	PP-S15	33	0.724	0.224	47.8	12.4440	0.0000	OK
30 minute summer	PP-S75	31	0.753	0.253	65.9	15.6020	0.0000	SURCHARGED
30 minute summer	PP-S24	26	0.809	0.309	122.5	43.4098	0.0000	SURCHARGED
30 minute summer	PP-S30	22	0.908	0.408	110.6	23.7611	0.0000	SURCHARGED
30 minute summer	PP-S33	23	0.849	0.349	90.6	20.7590	0.0000	SURCHARGED
30 minute summer	PP-S34	28	0.744	0.244	77.2	30.9152	0.0000	SURCHARGED
30 minute summer	PP-S35	28	0.658	0.158	17.3	4.1793	0.0000	OK
30 minute summer	PP-S36	26	0.633	0.133	31.0	12.5420	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	-26.8	1.274	-0.362	0.1989	
30 minute summer	PP-S12	8.000_1	S12	-47.6	-1.671	-0.523	0.1987	
30 minute summer	PP-S14	11.000_1	S14	-56.6	-1.846	-0.684	0.1820	
30 minute summer	PP-S2	10.000_1	S2	-44.3	-1.488	-0.485	0.1987	
30 minute summer	PP-S15	12.000_1	S15	-38.7	-1.191	-0.410	0.1987	
30 minute summer	PP-S75	13.000_1	S75	-57.3	-1.949	-0.580	0.1989	
30 minute summer	PP-S24	14.000_1	S92	-101.2	-2.984	-0.986	0.1989	
30 minute summer	PP-S30	18.000_1	S30	-102.6	-2.598	-0.922	0.1989	
30 minute summer	PP-S33	20.000_1	S33	-81.2	-2.156	-0.711	0.1989	
30 minute summer	PP-S34	21.000_1	S34	-58.5	-1.763	-0.495	0.1989	
30 minute summer	PP-S35	22.000_2	S35	16.6	1.069	0.133	0.1740	
30 minute summer	PP-S36	23.000_2	S36	28.7	1.631	0.241	0.1604	

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Results for 100 year +40% CC 30 minute winter. 1470 minute analysis at 1 minute timestep. Mass balance: 99.69%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute winter	S26	34	0.828	1.066	51.6	1.8840	0.0000	SURCHARGED
30 minute winter	S25	34	0.826	1.070	49.9	2.7239	0.0000	SURCHARGED
30 minute winter	S16	34	0.825	1.092	185.6	4.8434	0.0000	SURCHARGED
30 minute winter	S145	31	0.814	1.129	138.9	4.8630	0.0000	SURCHARGED
30 minute winter	S4	37	0.774	1.017	82.2	1.7979	0.0000	SURCHARGED
30 minute winter	S5	37	0.771	1.055	180.2	1.8635	0.0000	SURCHARGED
30 minute winter	S9	35	0.764	1.060	29.2	2.4415	0.0000	SURCHARGED
30 minute winter	S10	34	0.764	1.085	47.4	1.9169	0.0000	SURCHARGED
30 minute winter	S11	34	0.764	1.090	175.9	1.9258	0.0000	SURCHARGED
30 minute winter	S12	33	0.764	1.099	183.1	1.9414	0.0000	SURCHARGED
30 minute winter	S1	41	0.763	1.027	77.2	2.4181	0.0000	SURCHARGED
30 minute winter	S3	34	0.760	1.067	88.0	3.4115	0.0000	SURCHARGED
30 minute winter	S2	33	0.763	1.099	50.3	1.9417	0.0000	SURCHARGED
30 minute winter	S14	41	0.737	1.046	64.5	1.8489	0.0000	SURCHARGED
30 minute winter	S15	33	0.764	1.110	247.0	4.9942	0.0000	SURCHARGED
30 minute winter	S75	30	0.803	1.165	244.0	2.9657	0.0000	SURCHARGED
30 minute winter	S87	19	1.300	1.586	54.4	5.1450	0.8277	FLOOD
30 minute winter	S88	19	1.295	1.603	100.0	5.2287	0.0000	FLOOD RISK
30 minute winter	S89	19	1.261	1.591	145.8	5.1572	0.0000	FLOOD RISK
30 minute winter	S90	19	1.159	1.511	195.6	4.8123	0.0000	FLOOD RISK
30 minute winter	S92	21	0.941	1.320	317.4	3.3594	0.0000	SURCHARGED
30 minute winter	S81	19	1.300	1.602	54.4	5.1729	1.9066	FLOOD
30 minute winter	S82	19	1.300	1.624	100.6	5.2731	0.0888	FLOOD
30 minute winter	S83	19	1.267	1.612	146.4	5.2040	0.0000	FLOOD RISK
30 minute winter	S84	19	1.174	1.541	190.9	4.8881	0.0000	FLOOD RISK
30 minute winter	S86	21	0.999	1.392	186.6	3.5433	0.0000	SURCHARGED
30 minute winter	S76	19	1.300	1.617	54.4	5.1987	1.3848	FLOOD
30 minute winter	S77	19	1.300	1.639	100.8	5.2989	0.1226	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	-48.1	-0.304	-0.679	9.2005	
30 minute winter	S25	2.000	S16	-45.9	-0.290	-0.651	7.3393	
30 minute winter	S16	1.001	S145	-127.3	-0.804	-1.785	15.0038	
30 minute winter	S145	1.002	S75	-59.1	-0.373	-0.837	15.0038	
30 minute winter	S4	3.000	S5	-74.9	-0.481	-1.062	13.1095	
30 minute winter	S5	3.001	S11	-168.5	-1.063	-2.360	13.1095	
30 minute winter	S9	4.000	S10	39.5	0.313	0.562	8.0648	
30 minute winter	S10	4.001	S11	-47.4	0.463	-0.624	1.3780	
30 minute winter	S11	3.002	S12	-175.9	-1.110	-2.493	2.8740	
30 minute winter	S12	3.003	S15	-179.5	-1.133	-2.608	3.6838	
30 minute winter	S1	5.000	S3	-52.0	-0.328	-0.731	13.5151	
30 minute winter	S3	5.001	S2	42.2	0.381	0.596	9.1848	
30 minute winter	S2	5.002	S15	-50.3	-0.318	-0.739	3.4165	
30 minute winter	S14	6.000	S15	-64.5	-0.407	-0.917	11.8707	
30 minute winter	S15	3.004	S75	-170.6	-1.077	-2.383	4.9661	
30 minute winter	S75	1.003	S92	-239.0	-1.509	-3.359	5.3380	
30 minute winter	S87	7.000	S88	45.2	0.285	0.634	6.8747	
30 minute winter	S88	7.001	S89	92.2	0.582	1.292	6.8747	
30 minute winter	S89	7.002	S90	144.0	0.909	2.019	6.8747	
30 minute winter	S90	7.003	S92	194.2	1.226	2.756	8.6413	
30 minute winter	S92	1.005	S86	128.3	0.810	1.806	4.4095	
30 minute winter	S81	8.000	S82	44.7	0.282	0.627	6.8747	
30 minute winter	S82	8.001	S83	90.5	0.571	1.299	6.8747	
30 minute winter	S83	8.002	S84	136.5	0.862	1.914	6.8747	
30 minute winter	S84	8.003	S86	186.6	1.178	2.628	8.1975	
30 minute winter	S86	1.006	S30	126.5	0.798	1.781	4.4165	
30 minute winter	S76	9.000	S77	44.9	0.283	0.629	6.8747	
30 minute winter	S77	9.001	S78	91.8	0.580	1.287	6.8747	

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Results for 100 year +40% CC 30 minute winter. 1470 minute analysis at 1 minute timestep. Mass balance: 99.69%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute winter	S78	19	1.267	1.628	147.7	5.2322	0.0000	FLOOD RISK
30 minute winter	S79	19	1.169	1.551	194.6	4.9010	0.0000	FLOOD RISK
30 minute winter	S30	21	0.996	1.403	254.9	3.5697	0.0000	SURCHARGED
30 minute winter	S31	20	0.974	1.310	58.8	4.3384	0.0000	SURCHARGED
30 minute winter	S32	20	0.962	1.341	114.5	4.1404	0.0000	SURCHARGED
30 minute winter	S33	23	0.917	1.340	260.0	3.4115	0.0000	SURCHARGED
30 minute winter	S34	28	0.803	1.242	190.7	2.1953	0.0000	SURCHARGED
30 minute winter	S35	29	0.708	1.174	164.4	2.0752	0.0000	SURCHARGED
30 minute winter	S36	28	0.679	1.121	33.9	1.9800	0.0000	SURCHARGED
30 minute winter	S37	28	0.675	1.146	229.4	5.6321	0.0000	SURCHARGED
30 minute winter	S38	29	0.395	0.911	196.6	1.6102	0.0000	SURCHARGED
30 minute winter	S39	29	0.116	0.678	185.9	1.1979	0.0000	SURCHARGED
30 minute winter	S56	29	0.066	0.625	11.0	1.1049	0.0000	SURCHARGED
30 minute winter	S57	29	0.066	0.631	181.1	1.6066	0.0000	SURCHARGED
30 minute winter	S125	29	-0.040	0.515	42.4	0.9092	0.0000	SURCHARGED
30 minute winter	S127	29	-0.041	0.538	177.2	1.3704	0.0000	SURCHARGED
30 minute winter	S119	30	-0.143	0.426	39.9	0.7525	0.0000	OK
30 minute winter	S60	30	-0.143	0.450	170.9	1.1448	0.0000	OK
30 minute winter	Pond Inlet 1	30	-0.275	0.335	168.7	0.5911	0.0000	OK
30 minute winter	Pond Outlet	1359	-0.377	0.233	150.7	0.2634	0.0000	OK
30 minute winter	S13	1297	-0.377	0.261	1.3	0.9039	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	0.830	0.330	45.6	33.1797	0.0000	SURCHARGED
30 minute winter	PP-S25	34	0.827	0.327	52.9	28.4575	0.0000	SURCHARGED
30 minute winter	PP-S16	34	0.827	0.327	63.8	48.0553	0.0000	SURCHARGED
30 minute winter	PP-S145	32	0.818	0.318	82.3	48.5870	0.0000	SURCHARGED
30 minute winter	PP-S4	37	0.775	0.275	45.0	36.4755	0.0000	SURCHARGED
30 minute winter	PP-S1	41	0.764	0.264	92.6	90.1165	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	140.7	0.888	2.020	6.8745	
30 minute winter	S79	9.003	S30	192.7	1.216	2.679	7.6907	
30 minute winter	S30	1.007	S33	163.6	1.033	2.299	5.0209	
30 minute winter	S31	10.000	S32	63.1	0.398	0.892	13.6740	
30 minute winter	S32	10.001	S33	105.1	0.664	1.470	13.6740	
30 minute winter	S33	1.008	S34	190.7	1.204	2.704	5.1108	
30 minute winter	S34	1.009	S35	162.5	1.026	2.288	8.5103	
30 minute winter	S35	1.010	S37	157.4	0.994	2.370	1.7947	
30 minute winter	S36	11.000	S37	34.4	0.217	0.484	9.1184	
30 minute winter	S37	1.011	S38	196.6	1.241	2.782	14.3287	
30 minute winter	S38	1.012	S39	185.9	1.173	2.601	14.3287	
30 minute winter	S39	1.013	S57	181.1	1.174	2.859	1.1814	
30 minute winter	S56	12.011	S57	-11.0	-0.384	-0.162	2.0645	
30 minute winter	S57	1.014	S127	177.2	1.242	2.505	4.4483	
30 minute winter	S125	21.003	S127	-42.4	-0.549	-0.607	7.8151	
30 minute winter	S127	1.015	S60	170.9	1.234	2.399	4.3855	
30 minute winter	S119	22.003	S60	-39.9	-0.541	-0.571	7.7333	
30 minute winter	S60	1.016	Pond Inlet 1	168.7	1.155	2.228	4.2477	
30 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	150.6	0.057	0.003	1211.3066	
30 minute winter	Pond Outlet	1.018	S13	1.3	0.339	0.018	0.4199	
30 minute winter	S13	Pump	Final Outfall	0.0				0.0
30 minute winter	PP-S26	1.000_1	S26	-33.7	-1.332	-0.878	0.3977	
30 minute winter	PP-S25	2.000_1	S25	-43.9	-1.758	-0.765	0.1989	
30 minute winter	PP-S16	3.000_1	S16	-46.2	-1.510	-0.684	0.1989	
30 minute winter	PP-S145	4.000_2	S145	-61.4	-1.798	-0.727	0.1989	
30 minute winter	PP-S4	1.000_2	S4	-29.5	-1.174	-0.518	0.1989	
30 minute winter	PP-S1	4.000_1	S1	-50.5	-1.520	-0.762	0.1989	

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Results for 100 year +40% CC 30 minute winter. 1470 minute analysis at 1 minute timestep. Mass balance: 99.69%

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	0.772	0.272	52.4	44.2519	0.0000	SURCHARGED
30 minute winter	PP-S12	34	0.764	0.264	56.4	27.2098	0.0000	SURCHARGED
30 minute winter	PP-S14	58	0.709	0.209	64.8	109.6360	0.0000	OK
30 minute winter	PP-S2	33	0.764	0.264	60.9	28.3175	0.0000	SURCHARGED
30 minute winter	PP-S15	33	0.764	0.264	52.1	14.8749	0.0000	SURCHARGED
30 minute winter	PP-S75	30	0.804	0.304	67.7	18.9680	0.0000	SURCHARGED
30 minute winter	PP-S24	27	0.885	0.385	126.5	55.3442	0.0000	SURCHARGED
30 minute winter	PP-S30	23	0.994	0.494	101.6	28.9100	0.0000	SURCHARGED
30 minute winter	PP-S33	24	0.927	0.427	82.8	25.6415	0.0000	SURCHARGED
30 minute winter	PP-S34	29	0.810	0.310	81.8	40.3018	0.0000	SURCHARGED
30 minute winter	PP-S35	29	0.710	0.210	17.9	5.5855	0.0000	OK
30 minute winter	PP-S36	28	0.681	0.181	39.7	18.4591	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	-29.5	1.311	-0.398	0.1989	
30 minute winter	PP-S12	8.000_1	S12	-47.7	-1.576	-0.525	0.1989	
30 minute winter	PP-S14	11.000_1	S14	-64.4	-2.019	-0.778	0.1958	
30 minute winter	PP-S2	10.000_1	S2	-48.2	-1.510	-0.528	0.1989	
30 minute winter	PP-S15	12.000_1	S15	-42.6	-1.353	-0.452	0.1989	
30 minute winter	PP-S75	13.000_1	S75	-58.5	-1.875	-0.593	0.1989	
30 minute winter	PP-S24	14.000_1	S92	-103.6	-2.857	-1.009	0.1989	
30 minute winter	PP-S30	18.000_1	S30	-93.5	-2.538	-0.840	0.1989	
30 minute winter	PP-S33	20.000_1	S33	-72.7	-1.979	-0.636	0.1989	
30 minute winter	PP-S34	21.000_1	S34	-61.5	-1.852	-0.520	0.1989	
30 minute winter	PP-S35	22.000_2	S35	-14.9	1.047	-0.120	0.1958	
30 minute winter	PP-S36	23.000_2	S36	33.9	1.611	0.285	0.1852	

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Results for 100 year +40% CC 60 minute summer. 1500 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
60 minute summer	S26	50	0.816	1.054	39.0	1.8625	0.0000	SURCHARGED
60 minute summer	S25	50	0.815	1.059	45.9	2.6951	0.0000	SURCHARGED
60 minute summer	S16	50	0.814	1.081	133.7	4.7951	0.0000	SURCHARGED
60 minute summer	S145	52	0.805	1.120	116.2	4.8229	0.0000	SURCHARGED
60 minute summer	S4	57	0.778	1.021	34.5	1.8038	0.0000	SURCHARGED
60 minute summer	S5	58	0.777	1.061	107.2	1.8751	0.0000	SURCHARGED
60 minute summer	S9	58	0.776	1.072	16.3	2.4697	0.0000	SURCHARGED
60 minute summer	S10	58	0.776	1.097	22.3	1.9382	0.0000	SURCHARGED
60 minute summer	S11	58	0.776	1.102	112.0	1.9471	0.0000	SURCHARGED
60 minute summer	S12	58	0.776	1.111	128.6	1.9624	0.0000	SURCHARGED
60 minute summer	S1	61	0.781	1.045	48.7	2.4621	0.0000	SURCHARGED
60 minute summer	S3	61	0.778	1.085	44.5	3.4693	0.0000	SURCHARGED
60 minute summer	S2	58	0.776	1.112	45.9	1.9642	0.0000	SURCHARGED
60 minute summer	S14	61	0.757	1.066	62.2	1.8836	0.0000	SURCHARGED
60 minute summer	S15	58	0.775	1.121	175.1	5.0451	0.0000	SURCHARGED
60 minute summer	S75	48	0.790	1.152	190.4	2.9308	0.0000	SURCHARGED
60 minute summer	S87	34	1.169	1.455	44.6	4.7184	0.0000	FLOOD RISK
60 minute summer	S88	34	1.160	1.468	86.5	4.7879	0.0000	FLOOD RISK
60 minute summer	S89	34	1.124	1.454	128.1	4.7118	0.0000	FLOOD RISK
60 minute summer	S90	34	1.040	1.392	170.1	4.4334	0.0000	SURCHARGED
60 minute summer	S92	36	0.883	1.262	278.3	3.2124	0.0000	SURCHARGED
60 minute summer	S81	34	1.204	1.506	44.6	4.8621	0.0000	FLOOD RISK
60 minute summer	S82	34	1.194	1.518	86.5	4.9305	0.0000	FLOOD RISK
60 minute summer	S83	34	1.157	1.502	128.9	4.8496	0.0000	FLOOD RISK
60 minute summer	S84	34	1.078	1.445	168.6	4.5823	0.0000	SURCHARGED
60 minute summer	S86	35	0.928	1.321	166.6	3.3619	0.0000	SURCHARGED
60 minute summer	S76	34	1.183	1.500	44.6	4.8235	0.0000	FLOOD RISK
60 minute summer	S77	34	1.173	1.512	86.4	4.8869	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	-35.4	-0.224	-0.501	9.2005	
60 minute summer	S25	2.000	S16	-42.3	-0.267	-0.600	7.3393	
60 minute summer	S16	1.001	S145	-87.9	-0.555	-1.233	15.0038	
60 minute summer	S145	1.002	S75	-53.8	-0.339	-0.762	15.0038	
60 minute summer	S4	3.000	S5	-28.9	-0.195	-0.409	13.1095	
60 minute summer	S5	3.001	S11	-98.3	-0.621	-1.378	13.1095	
60 minute summer	S9	4.000	S10	22.3	0.232	0.318	8.0648	
60 minute summer	S10	4.001	S11	19.9	0.379	0.262	1.3780	
60 minute summer	S11	3.002	S12	-112.0	-0.707	-1.588	2.8740	
60 minute summer	S12	3.003	S15	-125.4	-0.792	-1.822	3.6838	
60 minute summer	S1	5.000	S3	-37.7	-0.238	-0.530	13.5151	
60 minute summer	S3	5.001	S2	36.2	0.287	0.511	9.1848	
60 minute summer	S2	5.002	S15	-43.1	-0.272	-0.632	3.4165	
60 minute summer	S14	6.000	S15	-62.2	-0.393	-0.884	11.8707	
60 minute summer	S15	3.004	S75	-128.0	-0.808	-1.788	4.9661	
60 minute summer	S75	1.003	S92	-186.3	-1.176	-2.619	5.3380	
60 minute summer	S87	7.000	S88	41.5	0.262	0.581	6.8747	
60 minute summer	S88	7.001	S89	84.2	0.532	1.181	6.8747	
60 minute summer	S89	7.002	S90	127.0	0.802	1.781	6.8747	
60 minute summer	S90	7.003	S92	168.5	1.064	2.391	8.6413	
60 minute summer	S92	1.005	S86	128.9	0.813	1.814	4.4095	
60 minute summer	S81	8.000	S82	40.8	0.257	0.572	6.8747	
60 minute summer	S82	8.001	S83	83.6	0.528	1.200	6.8747	
60 minute summer	S83	8.002	S84	126.0	0.796	1.767	6.8747	
60 minute summer	S84	8.003	S86	166.6	1.051	2.346	8.1975	
60 minute summer	S86	1.006	S30	126.9	0.801	1.787	4.4165	
60 minute summer	S76	9.000	S77	40.7	0.257	0.571	6.8747	
60 minute summer	S77	9.001	S78	82.7	0.522	1.160	6.8747	

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Results for 100 year +40% CC 60 minute summer. 1500 minute analysis at 1 minute timestep. Mass balance: 99.90%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute summer	S78	34	1.136	1.497	128.0	4.8119	0.0000	FLOOD RISK
60 minute summer	S79	35	1.061	1.443	169.0	4.5598	0.0000	SURCHARGED
60 minute summer	S30	36	0.928	1.335	227.2	3.3964	0.0000	SURCHARGED
60 minute summer	S31	35	0.894	1.230	48.1	4.0737	0.0000	SURCHARGED
60 minute summer	S32	38	0.882	1.261	88.3	3.8954	0.0000	SURCHARGED
60 minute summer	S33	38	0.869	1.292	230.5	3.2887	0.0000	SURCHARGED
60 minute summer	S34	42	0.773	1.212	176.2	2.1408	0.0000	SURCHARGED
60 minute summer	S35	43	0.678	1.144	140.2	2.0213	0.0000	SURCHARGED
60 minute summer	S36	43	0.648	1.090	26.7	1.9257	0.0000	SURCHARGED
60 minute summer	S37	43	0.645	1.116	184.3	5.4851	0.0000	SURCHARGED
60 minute summer	S38	44	0.374	0.890	170.1	1.5719	0.0000	SURCHARGED
60 minute summer	S39	44	0.103	0.665	170.1	1.1752	0.0000	SURCHARGED
60 minute summer	S56	44	0.055	0.614	7.3	1.0850	0.0000	SURCHARGED
60 minute summer	S57	44	0.055	0.620	169.3	1.5780	0.0000	SURCHARGED
60 minute summer	S125	44	-0.048	0.507	23.3	0.8953	0.0000	SURCHARGED
60 minute summer	S127	44	-0.048	0.531	166.2	1.3504	0.0000	SURCHARGED
60 minute summer	S119	45	-0.148	0.421	13.9	0.7446	0.0000	OK
60 minute summer	S60	45	-0.148	0.445	166.2	1.1335	0.0000	OK
60 minute summer	Pond Inlet 1	45	-0.278	0.332	166.0	0.5865	0.0000	OK
60 minute summer	Pond Outlet	1357	-0.352	0.258	150.5	0.2914	0.0000	OK
60 minute summer	S13	676	-0.352	0.286	1.2	0.9899	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	50	0.818	0.318	40.7	31.7747	0.0000	SURCHARGED
60 minute summer	PP-S25	51	0.815	0.315	41.8	27.3788	0.0000	SURCHARGED
60 minute summer	PP-S16	50	0.816	0.316	53.2	46.0915	0.0000	SURCHARGED
60 minute summer	PP-S145	53	0.806	0.306	72.1	46.4548	0.0000	SURCHARGED
60 minute summer	PP-S4	57	0.778	0.278	37.6	36.8963	0.0000	SURCHARGED
60 minute summer	PP-S1	61	0.783	0.283	84.0	96.7628	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	124.9	0.788	1.793	6.8745	
60 minute summer	S79	9.003	S30	165.4	1.044	2.300	7.6907	
60 minute summer	S30	1.007	S33	149.0	0.941	2.093	5.0209	
60 minute summer	S31	10.000	S32	46.1	0.291	0.651	13.6740	
60 minute summer	S32	10.001	S33	86.6	0.547	1.211	13.6740	
60 minute summer	S33	1.008	S34	176.2	1.112	2.498	5.1108	
60 minute summer	S34	1.009	S35	139.5	0.881	1.965	8.5103	
60 minute summer	S35	1.010	S37	140.6	0.888	2.117	1.7947	
60 minute summer	S36	11.000	S37	26.9	0.170	0.379	9.1184	
60 minute summer	S37	1.011	S38	170.1	1.074	2.408	14.3287	
60 minute summer	S38	1.012	S39	170.1	1.073	2.380	14.3287	
60 minute summer	S39	1.013	S57	169.3	1.069	2.672	1.1814	
60 minute summer	S56	12.011	S57	-7.3	-0.249	-0.108	2.0645	
60 minute summer	S57	1.014	S127	166.2	1.076	2.350	4.4483	
60 minute summer	S125	21.003	S127	-23.3	-0.294	-0.333	7.8151	
60 minute summer	S127	1.015	S60	166.2	1.051	2.333	4.3839	
60 minute summer	S119	22.003	S60	-13.9	-0.260	-0.198	7.7064	
60 minute summer	S60	1.016	Pond Inlet 1	166.0	1.141	2.193	4.2307	
60 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	150.5	0.057	0.003	1346.4211	
60 minute summer	Pond Outlet	1.018	S13	1.2	0.335	0.016	0.4534	
60 minute summer	S13	Pump	Final Outfall	0.0				0.0
60 minute summer	PP-S26	1.000_1	S26	-30.6	-0.970	-0.796	0.3977	
60 minute summer	PP-S25	2.000_1	S25	-33.7	-1.379	-0.587	0.1989	
60 minute summer	PP-S16	3.000_1	S16	-37.7	-1.419	-0.559	0.1989	
60 minute summer	PP-S145	4.000_2	S145	-54.8	-1.575	-0.649	0.1989	
60 minute summer	PP-S4	1.000_2	S4	-26.0	-1.242	-0.456	0.1989	
60 minute summer	PP-S1	4.000_1	S1	-48.3	-1.481	-0.729	0.1989	

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Results for 100 year +40% CC 60 minute summer. 1500 minute analysis at 1 minute timestep. Mass balance: 99.90%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute summer	PP-S5	58	0.778	0.278	44.9	45.3476	0.0000	SURCHARGED
60 minute summer	PP-S12	58	0.776	0.276	49.7	28.5154	0.0000	SURCHARGED
60 minute summer	PP-S14	77	0.735	0.235	62.6	125.9246	0.0000	SURCHARGED
60 minute summer	PP-S2	58	0.776	0.276	55.7	29.7066	0.0000	SURCHARGED
60 minute summer	PP-S15	58	0.775	0.275	33.8	15.5289	0.0000	SURCHARGED
60 minute summer	PP-S75	48	0.790	0.290	54.6	18.0532	0.0000	SURCHARGED
60 minute summer	PP-S24	42	0.861	0.361	112.2	51.4419	0.0000	SURCHARGED
60 minute summer	PP-S30	38	0.931	0.431	89.8	25.1519	0.0000	SURCHARGED
60 minute summer	PP-S33	39	0.874	0.374	75.1	22.3091	0.0000	SURCHARGED
60 minute summer	PP-S34	43	0.778	0.278	71.4	35.8071	0.0000	SURCHARGED
60 minute summer	PP-S35	43	0.679	0.179	13.7	4.7429	0.0000	OK
60 minute summer	PP-S36	43	0.649	0.149	30.8	14.4727	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	25.3	1.218	0.342	0.1989	
60 minute summer	PP-S12	8.000_1	S12	-42.6	-1.354	-0.469	0.1989	
60 minute summer	PP-S14	11.000_1	S14	-62.2	-1.926	-0.751	0.1989	
60 minute summer	PP-S2	10.000_1	S2	-45.3	-1.391	-0.496	0.1989	
60 minute summer	PP-S15	12.000_1	S15	-25.4	1.130	-0.269	0.1989	
60 minute summer	PP-S75	13.000_1	S75	-47.3	-1.612	-0.478	0.1989	
60 minute summer	PP-S24	14.000_1	S92	-92.7	-2.480	-0.904	0.1989	
60 minute summer	PP-S30	18.000_1	S30	-82.8	-2.311	-0.744	0.1989	
60 minute summer	PP-S33	20.000_1	S33	-66.9	-1.963	-0.586	0.1989	
60 minute summer	PP-S34	21.000_1	S34	-54.1	1.610	-0.457	0.1989	
60 minute summer	PP-S35	22.000_2	S35	-11.2	0.988	-0.090	0.1840	
60 minute summer	PP-S36	23.000_2	S36	26.7	1.542	0.224	0.1690	

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Results for 100 year +40% CC 60 minute winter. 1500 minute analysis at 1 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	S26	52	0.872	1.110	30.2	1.9615	0.0000	SURCHARGED
60 minute winter	S25	53	0.871	1.115	31.8	2.8379	0.0000	SURCHARGED
60 minute winter	S16	53	0.871	1.138	94.6	5.0438	0.0000	SURCHARGED
60 minute winter	S145	55	0.862	1.177	97.6	5.0661	0.0000	SURCHARGED
60 minute winter	S4	61	0.832	1.075	53.8	1.8997	0.0000	SURCHARGED
60 minute winter	S5	60	0.831	1.115	96.4	1.9703	0.0000	SURCHARGED
60 minute winter	S9	60	0.829	1.125	15.0	2.5914	0.0000	SURCHARGED
60 minute winter	S10	60	0.829	1.150	37.0	2.0318	0.0000	SURCHARGED
60 minute winter	S11	60	0.829	1.155	93.7	2.0407	0.0000	SURCHARGED
60 minute winter	S12	60	0.828	1.163	100.8	2.0558	0.0000	SURCHARGED
60 minute winter	S1	62	0.832	1.096	49.5	2.5813	0.0000	SURCHARGED
60 minute winter	S3	60	0.829	1.136	48.5	3.6337	0.0000	SURCHARGED
60 minute winter	S2	60	0.828	1.164	40.4	2.0570	0.0000	SURCHARGED
60 minute winter	S14	61	0.801	1.110	69.5	1.9618	0.0000	SURCHARGED
60 minute winter	S15	59	0.827	1.173	163.6	5.2814	0.0000	SURCHARGED
60 minute winter	S75	50	0.845	1.207	167.6	3.0707	0.0000	SURCHARGED
60 minute winter	S87	36	1.060	1.346	36.1	4.3667	0.0000	SURCHARGED
60 minute winter	S88	36	1.055	1.363	71.5	4.4452	0.0000	SURCHARGED
60 minute winter	S89	36	1.034	1.364	106.7	4.4199	0.0000	SURCHARGED
60 minute winter	S90	37	0.987	1.339	141.0	4.2650	0.0000	SURCHARGED
60 minute winter	S92	43	0.916	1.295	235.7	3.2957	0.0000	SURCHARGED
60 minute winter	S81	36	1.094	1.396	36.1	4.5082	0.0000	FLOOD RISK
60 minute winter	S82	36	1.089	1.413	71.2	4.5883	0.0000	SURCHARGED
60 minute winter	S83	36	1.068	1.413	107.1	4.5604	0.0000	SURCHARGED
60 minute winter	S84	37	1.023	1.390	140.6	4.4083	0.0000	SURCHARGED
60 minute winter	S86	39	0.950	1.343	138.3	3.4181	0.0000	SURCHARGED
60 minute winter	S76	36	1.087	1.404	36.1	4.5144	0.0000	SURCHARGED
60 minute winter	S77	36	1.082	1.421	72.0	4.5944	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	-30.2	-0.190	-0.426	9.2005	
60 minute winter	S25	2.000	S16	-31.8	-0.201	-0.451	7.3393	
60 minute winter	S16	1.001	S145	-52.7	-0.333	-0.739	15.0038	
60 minute winter	S145	1.002	S75	47.8	0.325	0.677	15.0038	
60 minute winter	S4	3.000	S5	-48.1	-0.303	-0.682	13.1095	
60 minute winter	S5	3.001	S11	-87.5	-0.552	-1.225	13.1095	
60 minute winter	S9	4.000	S10	37.0	0.253	0.527	8.0648	
60 minute winter	S10	4.001	S11	42.7	0.408	0.562	1.3780	
60 minute winter	S11	3.002	S12	-89.8	-0.567	-1.273	2.8740	
60 minute winter	S12	3.003	S15	-97.6	-0.616	-1.417	3.6838	
60 minute winter	S1	5.000	S3	-36.8	-0.232	-0.517	13.5151	
60 minute winter	S3	5.001	S2	27.2	0.311	0.385	9.1848	
60 minute winter	S2	5.002	S15	37.4	0.254	0.549	3.4165	
60 minute winter	S14	6.000	S15	-69.5	-0.439	-0.987	11.8707	
60 minute winter	S15	3.004	S75	-120.0	-0.758	-1.677	4.9661	
60 minute winter	S75	1.003	S92	-167.6	-1.058	-2.355	5.3380	
60 minute winter	S87	7.000	S88	34.5	0.224	0.484	6.8747	
60 minute winter	S88	7.001	S89	69.7	0.440	0.977	6.8747	
60 minute winter	S89	7.002	S90	104.9	0.662	1.471	6.8747	
60 minute winter	S90	7.003	S92	139.6	0.881	1.980	8.6413	
60 minute winter	S92	1.005	S86	128.1	0.809	1.803	4.4095	
60 minute winter	S81	8.000	S82	34.6	0.222	0.485	6.8747	
60 minute winter	S82	8.001	S83	70.1	0.442	1.006	6.8747	
60 minute winter	S83	8.002	S84	104.5	0.660	1.465	6.8747	
60 minute winter	S84	8.003	S86	138.3	0.873	1.948	8.1975	
60 minute winter	S86	1.006	S30	127.0	0.802	1.790	4.4165	
60 minute winter	S76	9.000	S77	35.0	0.224	0.491	6.8747	
60 minute winter	S77	9.001	S78	69.9	0.441	0.980	6.8747	

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Results for 100 year +40% CC 60 minute winter. 1500 minute analysis at 1 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	S78	37	1.061	1.422	106.9	4.5713	0.0000	SURCHARGED
60 minute winter	S79	37	1.018	1.400	140.4	4.4240	0.0000	SURCHARGED
60 minute winter	S30	39	0.952	1.359	188.0	3.4578	0.0000	SURCHARGED
60 minute winter	S31	40	0.924	1.260	38.9	4.1737	0.0000	SURCHARGED
60 minute winter	S32	40	0.920	1.299	72.9	4.0110	0.0000	SURCHARGED
60 minute winter	S33	40	0.902	1.325	201.1	3.3731	0.0000	SURCHARGED
60 minute winter	S34	45	0.821	1.260	169.6	2.2257	0.0000	SURCHARGED
60 minute winter	S35	46	0.714	1.180	144.2	2.0846	0.0000	SURCHARGED
60 minute winter	S36	46	0.679	1.121	24.0	1.9808	0.0000	SURCHARGED
60 minute winter	S37	46	0.677	1.148	182.6	5.6415	0.0000	SURCHARGED
60 minute winter	S38	46	0.397	0.913	169.0	1.6127	0.0000	SURCHARGED
60 minute winter	S39	46	0.117	0.679	169.0	1.1994	0.0000	SURCHARGED
60 minute winter	S56	47	0.067	0.626	5.3	1.1064	0.0000	SURCHARGED
60 minute winter	S57	47	0.067	0.632	168.9	1.6088	0.0000	SURCHARGED
60 minute winter	S125	47	-0.040	0.515	14.8	0.9108	0.0000	SURCHARGED
60 minute winter	S127	47	-0.040	0.539	168.9	1.3729	0.0000	SURCHARGED
60 minute winter	S119	47	-0.142	0.427	12.2	0.7540	0.0000	OK
60 minute winter	S60	47	-0.142	0.451	168.9	1.1470	0.0000	SURCHARGED
60 minute winter	Pond Inlet 1	47	-0.274	0.336	168.9	0.5937	0.0000	OK
60 minute winter	Pond Outlet	1273	-0.324	0.286	153.4	0.3231	0.0000	OK
60 minute winter	S13	1190	-0.324	0.314	1.3	1.0870	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	0.874	0.374	39.5	37.9572	0.0000	SURCHARGED
60 minute winter	PP-S25	53	0.871	0.371	36.4	32.7033	0.0000	SURCHARGED
60 minute winter	PP-S16	53	0.872	0.372	55.0	55.7532	0.0000	SURCHARGED
60 minute winter	PP-S145	55	0.862	0.362	61.4	56.6178	0.0000	SURCHARGED
60 minute winter	PP-S4	61	0.832	0.332	36.7	45.4438	0.0000	SURCHARGED
60 minute winter	PP-S1	63	0.834	0.334	83.7	114.9166	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	104.3	0.659	1.498	6.8745	
60 minute winter	S79	9.003	S30	137.8	0.870	1.916	7.6907	
60 minute winter	S30	1.007	S33	132.8	0.839	1.866	5.0209	
60 minute winter	S31	10.000	S32	38.8	0.253	0.549	13.6740	
60 minute winter	S32	10.001	S33	71.2	0.449	0.995	13.6740	
60 minute winter	S33	1.008	S34	169.6	1.071	2.405	5.1108	
60 minute winter	S34	1.009	S35	143.2	0.904	2.017	8.5103	
60 minute winter	S35	1.010	S37	144.6	0.913	2.176	1.7947	
60 minute winter	S36	11.000	S37	24.3	0.153	0.341	9.1184	
60 minute winter	S37	1.011	S38	169.0	1.066	2.391	14.3287	
60 minute winter	S38	1.012	S39	169.0	1.066	2.364	14.3287	
60 minute winter	S39	1.013	S57	168.9	1.066	2.666	1.1814	
60 minute winter	S56	12.011	S57	-5.3	-0.260	-0.078	2.0645	
60 minute winter	S57	1.014	S127	168.9	1.066	2.388	4.4483	
60 minute winter	S125	21.003	S127	-14.8	-0.314	-0.212	7.8151	
60 minute winter	S127	1.015	S60	168.9	1.066	2.370	4.3857	
60 minute winter	S119	22.003	S60	-12.2	-0.279	-0.174	7.7376	
60 minute winter	S60	1.016	Pond Inlet 1	168.9	1.149	2.230	4.2567	
60 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	152.8	0.057	0.003	1501.7515	
60 minute winter	Pond Outlet	1.018	S13	1.3	0.334	0.019	0.4739	
60 minute winter	S13	Pump	Final Outfall	0.0				0.0
60 minute winter	PP-S26	1.000_1	S26	-29.6	-0.776	-0.771	0.3977	
60 minute winter	PP-S25	2.000_1	S25	-29.5	-1.274	-0.513	0.1989	
60 minute winter	PP-S16	3.000_1	S16	-39.9	-1.125	-0.590	0.1989	
60 minute winter	PP-S145	4.000_2	S145	-45.4	-1.367	-0.538	0.1989	
60 minute winter	PP-S4	1.000_2	S4	-23.1	-0.978	-0.405	0.1989	
60 minute winter	PP-S1	4.000_1	S1	-49.0	-1.452	-0.739	0.1989	

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Results for 100 year +40% CC 60 minute winter. 1500 minute analysis at 1 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	PP-S5	61	0.832	0.332	45.3	56.1223	0.0000	SURCHARGED
60 minute winter	PP-S12	60	0.829	0.329	44.7	34.4388	0.0000	SURCHARGED
60 minute winter	PP-S14	80	0.776	0.276	69.7	152.0055	0.0000	SURCHARGED
60 minute winter	PP-S2	60	0.829	0.329	42.7	35.6646	0.0000	SURCHARGED
60 minute winter	PP-S15	60	0.828	0.328	31.4	18.6672	0.0000	SURCHARGED
60 minute winter	PP-S75	50	0.845	0.345	42.5	21.6481	0.0000	SURCHARGED
60 minute winter	PP-S24	44	0.923	0.423	96.0	61.2052	0.0000	SURCHARGED
60 minute winter	PP-S30	39	0.954	0.454	73.1	26.5296	0.0000	SURCHARGED
60 minute winter	PP-S33	41	0.905	0.405	61.4	24.2511	0.0000	SURCHARGED
60 minute winter	PP-S34	46	0.824	0.324	61.6	42.3761	0.0000	SURCHARGED
60 minute winter	PP-S35	46	0.714	0.214	11.7	5.7140	0.0000	OK
60 minute winter	PP-S36	46	0.680	0.180	29.5	18.3364	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	-25.2	1.223	-0.340	0.1989	
60 minute winter	PP-S12	8.000_1	S12	-39.1	-1.460	-0.430	0.1989	
60 minute winter	PP-S14	11.000_1	S14	-69.4	-2.014	-0.838	0.1989	
60 minute winter	PP-S2	10.000_1	S2	-33.3	1.095	-0.365	0.1989	
60 minute winter	PP-S15	12.000_1	S15	-23.7	1.141	-0.251	0.1989	
60 minute winter	PP-S75	13.000_1	S75	-36.3	-1.291	-0.367	0.1989	
60 minute winter	PP-S24	14.000_1	S92	-77.4	-2.089	-0.755	0.1989	
60 minute winter	PP-S30	18.000_1	S30	-67.0	-1.895	-0.601	0.1989	
60 minute winter	PP-S33	20.000_1	S33	-54.1	-1.643	-0.474	0.1989	
60 minute winter	PP-S34	21.000_1	S34	-45.6	1.584	-0.386	0.1989	
60 minute winter	PP-S35	22.000_2	S35	-9.4	1.000	-0.075	0.1970	
60 minute winter	PP-S36	23.000_2	S36	24.0	1.556	0.202	0.1848	

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Results for 100 year +40% CC 120 minute summer. 1560 minute analysis at 2 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
120 minute summer	S26	82	0.815	1.053	24.0	1.8614	0.0000	SURCHARGED
120 minute summer	S25	84	0.815	1.059	22.7	2.6958	0.0000	SURCHARGED
120 minute summer	S16	84	0.815	1.082	75.4	4.7961	0.0000	SURCHARGED
120 minute summer	S145	84	0.808	1.123	78.7	4.8350	0.0000	SURCHARGED
120 minute summer	S4	90	0.787	1.030	20.5	1.8202	0.0000	SURCHARGED
120 minute summer	S5	90	0.786	1.070	40.8	1.8904	0.0000	SURCHARGED
120 minute summer	S9	90	0.783	1.079	10.4	2.4871	0.0000	SURCHARGED
120 minute summer	S10	90	0.783	1.104	10.8	1.9516	0.0000	SURCHARGED
120 minute summer	S11	90	0.783	1.109	49.3	1.9604	0.0000	SURCHARGED
120 minute summer	S12	90	0.783	1.118	56.2	1.9752	0.0000	SURCHARGED
120 minute summer	S1	92	0.789	1.053	37.9	2.4795	0.0000	SURCHARGED
120 minute summer	S3	92	0.786	1.093	30.7	3.4939	0.0000	SURCHARGED
120 minute summer	S2	92	0.783	1.119	35.9	1.9774	0.0000	SURCHARGED
120 minute summer	S14	96	0.766	1.075	60.7	1.8997	0.0000	SURCHARGED
120 minute summer	S15	92	0.782	1.128	134.7	5.0768	0.0000	SURCHARGED
120 minute summer	S75	80	0.792	1.154	137.4	2.9357	0.0000	SURCHARGED
120 minute summer	S87	66	0.914	1.200	28.5	3.8933	0.0000	SURCHARGED
120 minute summer	S88	66	0.911	1.219	56.4	3.9757	0.0000	SURCHARGED
120 minute summer	S89	66	0.898	1.228	84.5	3.9802	0.0000	SURCHARGED
120 minute summer	S90	66	0.867	1.219	112.0	3.8825	0.0000	SURCHARGED
120 minute summer	S92	72	0.830	1.209	187.3	3.0772	0.0000	SURCHARGED
120 minute summer	S81	66	0.937	1.239	28.5	3.9995	0.0000	SURCHARGED
120 minute summer	S82	66	0.934	1.258	56.2	4.0839	0.0000	SURCHARGED
120 minute summer	S83	66	0.920	1.265	84.5	4.0850	0.0000	SURCHARGED
120 minute summer	S84	66	0.890	1.257	111.7	3.9857	0.0000	SURCHARGED
120 minute summer	S86	68	0.841	1.234	128.4	3.1399	0.0000	SURCHARGED
120 minute summer	S76	66	0.933	1.250	28.5	4.0185	0.0000	SURCHARGED
120 minute summer	S77	66	0.930	1.269	56.4	4.1028	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	-24.0	-0.152	-0.340	9.2005	
120 minute summer	S25	2.000	S16	-22.7	-0.143	-0.322	7.3393	
120 minute summer	S16	1.001	S145	-43.0	-0.271	-0.602	15.0038	
120 minute summer	S145	1.002	S75	43.4	0.279	0.615	15.0038	
120 minute summer	S4	3.000	S5	-20.5	-0.129	-0.290	13.1095	
120 minute summer	S5	3.001	S11	-40.8	-0.258	-0.572	13.1095	
120 minute summer	S9	4.000	S10	10.5	0.190	0.150	8.0648	
120 minute summer	S10	4.001	S11	-10.8	0.203	-0.142	1.3780	
120 minute summer	S11	3.002	S12	-49.3	-0.312	-0.699	2.8740	
120 minute summer	S12	3.003	S15	-56.2	-0.355	-0.817	3.6838	
120 minute summer	S1	5.000	S3	-28.9	-0.182	-0.406	13.5151	
120 minute summer	S3	5.001	S2	24.4	0.236	0.344	9.1848	
120 minute summer	S2	5.002	S15	36.0	0.227	0.528	3.4165	
120 minute summer	S14	6.000	S15	-60.7	-0.383	-0.862	11.8707	
120 minute summer	S15	3.004	S75	-99.8	-0.630	-1.394	4.9661	
120 minute summer	S75	1.003	S92	-137.4	-0.867	-1.930	5.3380	
120 minute summer	S87	7.000	S88	27.1	0.183	0.380	6.8747	
120 minute summer	S88	7.001	S89	55.2	0.348	0.773	6.8747	
120 minute summer	S89	7.002	S90	83.5	0.527	1.170	6.8747	
120 minute summer	S90	7.003	S92	110.8	0.700	1.573	8.6413	
120 minute summer	S92	1.005	S86	128.4	0.810	1.807	4.4095	
120 minute summer	S81	8.000	S82	26.9	0.182	0.378	6.8747	
120 minute summer	S82	8.001	S83	55.2	0.348	0.792	6.8747	
120 minute summer	S83	8.002	S84	83.2	0.525	1.167	6.8747	
120 minute summer	S84	8.003	S86	110.8	0.699	1.560	8.1975	
120 minute summer	S86	1.006	S30	125.6	0.793	1.770	4.4165	
120 minute summer	S76	9.000	S77	27.1	0.183	0.380	6.8747	
120 minute summer	S77	9.001	S78	55.1	0.348	0.772	6.8747	

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Results for 100 year +40% CC 120 minute summer. 1560 minute analysis at 2 minute timestep. Mass balance: 99.95%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute summer	S78	66	0.917	1.278	84.4	4.1068	0.0000	SURCHARGED
120 minute summer	S79	68	0.887	1.269	111.6	4.0094	0.0000	SURCHARGED
120 minute summer	S30	68	0.842	1.249	162.0	3.1777	0.0000	SURCHARGED
120 minute summer	S31	68	0.815	1.151	30.8	3.8111	0.0000	SURCHARGED
120 minute summer	S32	70	0.812	1.191	58.1	3.6766	0.0000	SURCHARGED
120 minute summer	S33	70	0.800	1.223	169.4	3.1125	0.0000	SURCHARGED
120 minute summer	S34	76	0.737	1.176	152.1	2.0786	0.0000	SURCHARGED
120 minute summer	S35	76	0.637	1.103	140.0	1.9496	0.0000	SURCHARGED
120 minute summer	S36	78	0.605	1.047	21.9	1.8500	0.0000	SURCHARGED
120 minute summer	S37	80	0.603	1.074	166.5	5.2788	0.0000	SURCHARGED
120 minute summer	S38	78	0.344	0.860	162.4	1.5192	0.0000	SURCHARGED
120 minute summer	S39	78	0.085	0.647	162.4	1.1438	0.0000	SURCHARGED
120 minute summer	S56	78	0.039	0.598	1.9	1.0575	0.0000	SURCHARGED
120 minute summer	S57	78	0.039	0.604	162.4	1.5383	0.0000	SURCHARGED
120 minute summer	S125	80	-0.059	0.496	7.6	0.8760	0.0000	SURCHARGED
120 minute summer	S127	78	-0.059	0.520	162.4	1.3227	0.0000	SURCHARGED
120 minute summer	S119	80	-0.154	0.415	6.2	0.7330	0.0000	OK
120 minute summer	S60	80	-0.154	0.439	162.4	1.1169	0.0000	OK
120 minute summer	Pond Inlet 1	82	-0.281	0.329	162.3	0.5815	0.0000	OK
120 minute summer	Pond Outlet	1004	-0.306	0.304	132.9	0.3441	0.0000	SURCHARGED
120 minute summer	S13	1322	-0.306	0.332	0.9	1.1513	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	0.816	0.316	31.3	31.6508	0.0000	SURCHARGED
120 minute summer	PP-S25	84	0.816	0.316	28.8	27.4110	0.0000	SURCHARGED
120 minute summer	PP-S16	84	0.816	0.316	43.2	46.0796	0.0000	SURCHARGED
120 minute summer	PP-S145	84	0.809	0.309	48.7	46.9360	0.0000	SURCHARGED
120 minute summer	PP-S4	90	0.788	0.288	30.8	38.4087	0.0000	SURCHARGED
120 minute summer	PP-S1	92	0.790	0.290	63.1	99.3588	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	83.1	0.524	1.192	6.8745	
120 minute summer	S79	9.003	S30	110.4	0.697	1.535	7.6907	
120 minute summer	S30	1.007	S33	127.2	0.803	1.787	5.0209	
120 minute summer	S31	10.000	S32	31.1	0.199	0.440	13.6740	
120 minute summer	S32	10.001	S33	55.8	0.352	0.780	13.6740	
120 minute summer	S33	1.008	S34	152.1	0.960	2.156	5.1108	
120 minute summer	S34	1.009	S35	139.6	0.881	1.966	8.5103	
120 minute summer	S35	1.010	S37	139.6	0.881	2.101	1.7947	
120 minute summer	S36	11.000	S37	21.1	0.133	0.297	9.1184	
120 minute summer	S37	1.011	S38	162.4	1.025	2.299	14.3287	
120 minute summer	S38	1.012	S39	162.4	1.025	2.273	14.3287	
120 minute summer	S39	1.013	S57	162.4	1.025	2.563	1.1814	
120 minute summer	S56	12.011	S57	-1.9	-0.235	-0.028	2.0645	
120 minute summer	S57	1.014	S127	162.4	1.025	2.296	4.4483	
120 minute summer	S125	21.003	S127	-7.6	-0.232	-0.109	7.8151	
120 minute summer	S127	1.015	S60	162.4	1.025	2.279	4.3728	
120 minute summer	S119	22.003	S60	-6.2	-0.206	-0.089	7.6500	
120 minute summer	S60	1.016	Pond Inlet 1	162.3	1.129	2.144	4.2016	
120 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	132.9	0.050	0.003	1604.7617	
120 minute summer	Pond Outlet	1.018	S13	0.9	0.278	0.012	0.4779	
120 minute summer	S13	Pump	Final Outfall	0.0				0.0
120 minute summer	PP-S26	1.000_1	S26	-23.6	-0.651	-0.615	0.3977	
120 minute summer	PP-S25	2.000_1	S25	-22.2	-0.951	-0.386	0.1989	
120 minute summer	PP-S16	3.000_1	S16	-31.5	0.952	-0.466	0.1989	
120 minute summer	PP-S145	4.000_2	S145	-35.0	1.176	-0.414	0.1989	
120 minute summer	PP-S4	1.000_2	S4	-20.2	0.837	-0.354	0.1989	
120 minute summer	PP-S1	4.000_1	S1	-37.5	1.248	-0.565	0.1989	

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Results for 100 year +40% CC 120 minute summer. 1560 minute analysis at 2 minute timestep. Mass balance: 99.95%

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	0.787	0.287	36.3	47.1224	0.0000	SURCHARGED
120 minute summer	PP-S12	90	0.783	0.283	30.1	29.3085	0.0000	SURCHARGED
120 minute summer	PP-S14	114	0.760	0.260	60.9	141.9283	0.0000	SURCHARGED
120 minute summer	PP-S2	92	0.783	0.283	33.4	30.5270	0.0000	SURCHARGED
120 minute summer	PP-S15	92	0.782	0.282	23.4	15.9386	0.0000	SURCHARGED
120 minute summer	PP-S75	80	0.792	0.292	33.6	18.1608	0.0000	SURCHARGED
120 minute summer	PP-S24	74	0.835	0.335	72.6	47.4848	0.0000	SURCHARGED
120 minute summer	PP-S30	68	0.843	0.343	56.3	19.8809	0.0000	SURCHARGED
120 minute summer	PP-S33	70	0.802	0.302	45.2	17.8146	0.0000	SURCHARGED
120 minute summer	PP-S34	76	0.741	0.241	43.2	30.4641	0.0000	SURCHARGED
120 minute summer	PP-S35	76	0.637	0.137	9.5	3.6062	0.0000	OK
120 minute summer	PP-S36	76	0.603	0.103	16.2	8.8773	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	24.3	1.104	0.328	0.1989	
120 minute summer	PP-S12	8.000_1	S12	25.9	1.049	0.284	0.1989	
120 minute summer	PP-S14	11.000_1	S14	-60.6	-1.768	-0.731	0.1989	
120 minute summer	PP-S2	10.000_1	S2	-25.0	1.032	-0.274	0.1989	
120 minute summer	PP-S15	12.000_1	S15	23.4	1.042	0.248	0.1989	
120 minute summer	PP-S75	13.000_1	S75	-28.7	1.058	-0.291	0.1989	
120 minute summer	PP-S24	14.000_1	S92	-58.7	-1.764	-0.572	0.1989	
120 minute summer	PP-S30	18.000_1	S30	-51.7	-1.617	-0.464	0.1989	
120 minute summer	PP-S33	20.000_1	S33	-39.9	-1.362	-0.349	0.1989	
120 minute summer	PP-S34	21.000_1	S34	-29.7	1.498	-0.251	0.1989	
120 minute summer	PP-S35	22.000_2	S35	-7.5	0.900	-0.060	0.1629	
120 minute summer	PP-S36	23.000_2	S36	21.9	1.488	0.184	0.1435	

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Results for 100 year +40% CC 120 minute winter. 1560 minute analysis at 2 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
120 minute winter	S26	90	0.858	1.096	26.0	1.9361	0.0000	SURCHARGED
120 minute winter	S25	90	0.858	1.102	24.4	2.8035	0.0000	SURCHARGED
120 minute winter	S16	90	0.857	1.124	69.4	4.9851	0.0000	SURCHARGED
120 minute winter	S145	88	0.852	1.167	63.5	5.0261	0.0000	SURCHARGED
120 minute winter	S4	94	0.835	1.078	42.6	1.9052	0.0000	SURCHARGED
120 minute winter	S5	96	0.834	1.118	43.9	1.9749	0.0000	SURCHARGED
120 minute winter	S9	96	0.832	1.128	12.3	2.5993	0.0000	SURCHARGED
120 minute winter	S10	96	0.832	1.153	12.1	2.0375	0.0000	SURCHARGED
120 minute winter	S11	96	0.832	1.158	44.3	2.0464	0.0000	SURCHARGED
120 minute winter	S12	96	0.832	1.167	50.3	2.0616	0.0000	SURCHARGED
120 minute winter	S1	96	0.837	1.101	36.1	2.5929	0.0000	SURCHARGED
120 minute winter	S3	98	0.834	1.141	29.6	3.6488	0.0000	SURCHARGED
120 minute winter	S2	98	0.832	1.168	35.9	2.0641	0.0000	SURCHARGED
120 minute winter	S14	102	0.815	1.124	63.7	1.9855	0.0000	SURCHARGED
120 minute winter	S15	96	0.831	1.177	120.9	5.2982	0.0000	SURCHARGED
120 minute winter	S75	86	0.837	1.199	118.6	3.0505	0.0000	SURCHARGED
120 minute winter	S87	74	0.888	1.174	22.0	3.8092	0.0000	SURCHARGED
120 minute winter	S88	74	0.887	1.195	43.9	3.8970	0.0000	SURCHARGED
120 minute winter	S89	74	0.882	1.212	65.8	3.9266	0.0000	SURCHARGED
120 minute winter	S90	76	0.870	1.222	87.1	3.8916	0.0000	SURCHARGED
120 minute winter	S92	78	0.849	1.228	147.0	3.1252	0.0000	SURCHARGED
120 minute winter	S81	74	0.892	1.194	22.0	3.8556	0.0000	SURCHARGED
120 minute winter	S82	74	0.891	1.215	43.9	3.9446	0.0000	SURCHARGED
120 minute winter	S83	74	0.885	1.230	65.8	3.9715	0.0000	SURCHARGED
120 minute winter	S84	74	0.872	1.239	87.0	3.9312	0.0000	SURCHARGED
120 minute winter	S86	78	0.850	1.243	126.1	3.1643	0.0000	SURCHARGED
120 minute winter	S76	74	0.887	1.204	22.0	3.8718	0.0000	SURCHARGED
120 minute winter	S77	74	0.886	1.225	43.9	3.9608	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	-23.3	-0.147	-0.329	9.2005	
120 minute winter	S25	2.000	S16	-21.7	-0.137	-0.308	7.3393	
120 minute winter	S16	1.001	S145	-45.0	-0.284	-0.631	15.0038	
120 minute winter	S145	1.002	S75	41.7	0.290	0.591	15.0038	
120 minute winter	S4	3.000	S5	-38.3	-0.242	-0.543	13.1095	
120 minute winter	S5	3.001	S11	-38.0	-0.240	-0.532	13.1095	
120 minute winter	S9	4.000	S10	-12.3	0.206	-0.175	8.0648	
120 minute winter	S10	4.001	S11	9.9	0.338	0.130	1.3780	
120 minute winter	S11	3.002	S12	-44.2	-0.279	-0.626	2.8740	
120 minute winter	S12	3.003	S15	-47.9	-0.302	-0.696	3.6838	
120 minute winter	S1	5.000	S3	-29.2	-0.185	-0.411	13.5151	
120 minute winter	S3	5.001	S2	22.3	0.256	0.315	9.1848	
120 minute winter	S2	5.002	S15	39.1	0.247	0.573	3.4165	
120 minute winter	S14	6.000	S15	-63.7	-0.402	-0.905	11.8707	
120 minute winter	S15	3.004	S75	-95.7	-0.604	-1.337	4.9661	
120 minute winter	S75	1.003	S92	119.3	0.753	1.677	5.3380	
120 minute winter	S87	7.000	S88	21.3	0.184	0.299	6.8747	
120 minute winter	S88	7.001	S89	43.2	0.273	0.606	6.8747	
120 minute winter	S89	7.002	S90	65.1	0.411	0.913	6.8747	
120 minute winter	S90	7.003	S92	86.4	0.545	1.226	8.6413	
120 minute winter	S92	1.005	S86	125.8	0.794	1.770	4.4095	
120 minute winter	S81	8.000	S82	21.3	0.183	0.298	6.8747	
120 minute winter	S82	8.001	S83	43.2	0.272	0.620	6.8747	
120 minute winter	S83	8.002	S84	65.0	0.411	0.912	6.8747	
120 minute winter	S84	8.003	S86	86.3	0.545	1.216	8.1975	
120 minute winter	S86	1.006	S30	126.7	0.800	1.784	4.4165	
120 minute winter	S76	9.000	S77	21.3	0.184	0.298	6.8747	
120 minute winter	S77	9.001	S78	43.1	0.272	0.605	6.8747	

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Results for 100 year +40% CC 120 minute winter. 1560 minute analysis at 2 minute timestep. Mass balance: 99.95%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute winter	S78	74	0.881	1.242	65.7	3.9904	0.0000	SURCHARGED
120 minute winter	S79	74	0.868	1.250	87.0	3.9475	0.0000	SURCHARGED
120 minute winter	S30	78	0.846	1.253	135.3	3.1896	0.0000	SURCHARGED
120 minute winter	S31	78	0.818	1.154	23.7	3.8235	0.0000	SURCHARGED
120 minute winter	S32	78	0.817	1.196	43.7	3.6931	0.0000	SURCHARGED
120 minute winter	S33	78	0.811	1.234	145.9	3.1397	0.0000	SURCHARGED
120 minute winter	S34	80	0.747	1.186	141.4	2.0948	0.0000	SURCHARGED
120 minute winter	S35	82	0.641	1.107	140.8	1.9555	0.0000	SURCHARGED
120 minute winter	S36	82	0.605	1.047	18.0	1.8508	0.0000	SURCHARGED
120 minute winter	S37	82	0.604	1.075	169.0	5.2852	0.0000	SURCHARGED
120 minute winter	S38	82	0.345	0.861	162.4	1.5220	0.0000	SURCHARGED
120 minute winter	S39	82	0.087	0.649	162.4	1.1461	0.0000	SURCHARGED
120 minute winter	S56	82	0.041	0.600	2.5	1.0596	0.0000	SURCHARGED
120 minute winter	S57	82	0.041	0.606	162.4	1.5415	0.0000	SURCHARGED
120 minute winter	S125	84	-0.058	0.497	4.7	0.8780	0.0000	SURCHARGED
120 minute winter	S127	84	-0.058	0.521	162.4	1.3257	0.0000	SURCHARGED
120 minute winter	S119	84	-0.153	0.416	4.6	0.7352	0.0000	OK
120 minute winter	S60	84	-0.153	0.440	162.4	1.1199	0.0000	OK
120 minute winter	Pond Inlet 1	212	-0.270	0.340	162.4	0.6011	0.0000	OK
120 minute winter	Pond Outlet	1386	-0.274	0.336	133.6	0.3802	0.0000	SURCHARGED
120 minute winter	S13	1390	-0.274	0.364	0.8	1.2617	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	0.858	0.358	25.9	36.2723	0.0000	SURCHARGED
120 minute winter	PP-S25	90	0.858	0.358	22.8	31.4115	0.0000	SURCHARGED
120 minute winter	PP-S16	90	0.858	0.358	38.1	53.3654	0.0000	SURCHARGED
120 minute winter	PP-S145	90	0.853	0.353	39.8	54.9564	0.0000	SURCHARGED
120 minute winter	PP-S4	94	0.836	0.336	27.6	46.0475	0.0000	SURCHARGED
120 minute winter	PP-S1	98	0.838	0.338	58.6	116.5591	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	65.0	0.411	0.934	6.8745	
120 minute winter	S79	9.003	S30	86.3	0.545	1.201	7.6907	
120 minute winter	S30	1.007	S33	129.9	0.820	1.825	5.0209	
120 minute winter	S31	10.000	S32	22.9	0.208	0.325	13.6740	
120 minute winter	S32	10.001	S33	43.0	0.289	0.601	13.6740	
120 minute winter	S33	1.008	S34	141.4	0.893	2.005	5.1108	
120 minute winter	S34	1.009	S35	140.5	0.887	1.978	8.5103	
120 minute winter	S35	1.010	S37	140.9	0.890	2.121	1.7947	
120 minute winter	S36	11.000	S37	22.7	0.143	0.319	9.1184	
120 minute winter	S37	1.011	S38	162.4	1.025	2.299	14.3287	
120 minute winter	S38	1.012	S39	162.4	1.025	2.273	14.3287	
120 minute winter	S39	1.013	S57	162.4	1.025	2.564	1.1814	
120 minute winter	S56	12.011	S57	-2.5	-0.176	-0.037	2.0645	
120 minute winter	S57	1.014	S127	162.4	1.025	2.296	4.4483	
120 minute winter	S125	21.003	S127	-4.7	-0.254	-0.068	7.8151	
120 minute winter	S127	1.015	S60	162.4	1.025	2.280	4.3748	
120 minute winter	S119	22.003	S60	-4.6	-0.223	-0.066	7.6610	
120 minute winter	S60	1.016	Pond Inlet 1	162.4	1.125	2.144	4.2193	
120 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	133.6	0.051	0.003	1783.0162	
120 minute winter	Pond Outlet	1.018	S13	0.8	0.294	0.011	0.4779	
120 minute winter	S13	Pump	Final Outfall	0.0				0.0
120 minute winter	PP-S26	1.000_1	S26	-19.3	0.602	-0.502	0.3977	
120 minute winter	PP-S25	2.000_1	S25	-17.4	0.730	-0.303	0.1989	
120 minute winter	PP-S16	3.000_1	S16	-27.9	0.969	-0.413	0.1989	
120 minute winter	PP-S145	4.000_2	S145	-28.0	1.198	-0.332	0.1989	
120 minute winter	PP-S4	1.000_2	S4	-18.3	0.870	-0.322	0.1989	
120 minute winter	PP-S1	4.000_1	S1	-35.8	1.229	-0.540	0.1989	

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Results for 100 year +40% CC 120 minute winter. 1560 minute analysis at 2 minute timestep. Mass balance: 99.95%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute winter	PP-S5	94	0.835	0.335	32.8	56.7236	0.0000	SURCHARGED
120 minute winter	PP-S12	96	0.832	0.332	24.2	34.7539	0.0000	SURCHARGED
120 minute winter	PP-S14	120	0.810	0.310	63.8	173.9343	0.0000	SURCHARGED
120 minute winter	PP-S2	98	0.832	0.332	25.9	36.0833	0.0000	SURCHARGED
120 minute winter	PP-S15	96	0.831	0.331	19.2	18.8645	0.0000	SURCHARGED
120 minute winter	PP-S75	86	0.837	0.337	22.1	21.1009	0.0000	SURCHARGED
120 minute winter	PP-S24	80	0.852	0.352	54.0	50.1456	0.0000	SURCHARGED
120 minute winter	PP-S30	78	0.847	0.347	37.4	20.0962	0.0000	SURCHARGED
120 minute winter	PP-S33	78	0.811	0.311	23.8	18.4198	0.0000	SURCHARGED
120 minute winter	PP-S34	82	0.748	0.248	32.7	31.5636	0.0000	SURCHARGED
120 minute winter	PP-S35	82	0.641	0.141	5.8	3.6994	0.0000	OK
120 minute winter	PP-S36	80	0.604	0.104	11.2	9.0164	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	22.8	1.127	0.308	0.1989	
120 minute winter	PP-S12	8.000_1	S12	20.6	1.015	0.226	0.1989	
120 minute winter	PP-S14	11.000_1	S14	-63.5	-1.722	-0.767	0.1989	
120 minute winter	PP-S2	10.000_1	S2	23.0	1.051	0.252	0.1989	
120 minute winter	PP-S15	12.000_1	S15	17.7	1.061	0.188	0.1989	
120 minute winter	PP-S75	13.000_1	S75	-17.9	1.079	-0.181	0.1989	
120 minute winter	PP-S24	14.000_1	S92	-43.4	1.436	-0.423	0.1989	
120 minute winter	PP-S30	18.000_1	S30	-33.4	1.158	-0.300	0.1989	
120 minute winter	PP-S33	20.000_1	S33	-18.4	1.251	-0.161	0.1989	
120 minute winter	PP-S34	21.000_1	S34	21.2	1.528	0.179	0.1989	
120 minute winter	PP-S35	22.000_2	S35	7.1	0.909	0.057	0.1647	
120 minute winter	PP-S36	23.000_2	S36	18.0	1.445	0.151	0.1442	

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Results for 100 year +40% CC 180 minute summer. 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 summer	S26	116	0.791	1.029	18.0	1.8174	0.0000	SURCHARGED
180 minute summer	S25	116	0.791	1.035	17.1	2.6335	0.0000	SURCHARGED
180 minute summer	S16	116	0.790	1.057	59.8	4.6885	0.0000	SURCHARGED
180 minute summer	S145	116	0.787	1.102	58.3	4.7433	0.0000	SURCHARGED
180 minute summer	S4	124	0.773	1.016	25.4	1.7951	0.0000	SURCHARGED
180 minute summer	S5	124	0.772	1.056	43.5	1.8665	0.0000	SURCHARGED
180 minute summer	S9	124	0.771	1.067	7.7	2.4577	0.0000	SURCHARGED
180 minute summer	S10	124	0.771	1.092	9.5	1.9291	0.0000	SURCHARGED
180 minute summer	S11	124	0.771	1.097	40.1	1.9380	0.0000	SURCHARGED
180 minute summer	S12	124	0.770	1.105	42.7	1.9530	0.0000	SURCHARGED
180 minute summer	S1	124	0.776	1.040	30.8	2.4486	0.0000	SURCHARGED
180 minute summer	S3	124	0.773	1.080	25.4	3.4530	0.0000	SURCHARGED
180 minute summer	S2	124	0.770	1.106	25.3	1.9551	0.0000	SURCHARGED
180 minute summer	S14	128	0.757	1.066	55.5	1.8828	0.0000	SURCHARGED
180 minute summer	S15	124	0.769	1.115	106.9	5.0205	0.0000	SURCHARGED
180 minute summer	S75	116	0.772	1.134	115.9	2.8862	0.0000	SURCHARGED
180 minute summer	S87	100	0.815	1.101	21.0	3.5721	0.0000	SURCHARGED
180 minute summer	S88	100	0.814	1.122	41.9	3.6583	0.0000	SURCHARGED
180 minute summer	S89	104	0.809	1.139	62.7	3.6927	0.0000	SURCHARGED
180 minute summer	S90	104	0.800	1.152	83.1	3.6686	0.0000	SURCHARGED
180 minute summer	S92	108	0.780	1.159	138.0	2.9509	0.0000	SURCHARGED
180 minute summer	S81	100	0.822	1.124	21.0	3.6310	0.0000	SURCHARGED
180 minute summer	S82	100	0.821	1.145	41.9	3.7183	0.0000	SURCHARGED
180 minute summer	S83	100	0.815	1.160	62.7	3.7445	0.0000	SURCHARGED
180 minute summer	S84	104	0.801	1.168	83.0	3.7048	0.0000	SURCHARGED
180 minute summer	S86	104	0.781	1.174	123.6	2.9885	0.0000	SURCHARGED
180 minute summer	S76	100	0.819	1.136	21.0	3.6515	0.0000	SURCHARGED
180 minute summer	S77	100	0.817	1.156	41.9	3.7388	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	-18.0	-0.114	-0.254	9.2005	
180 minute summer	S25	2.000	S16	-17.1	-0.108	-0.243	7.3393	
180 minute summer	S16	1.001	S145	-38.7	-0.245	-0.543	15.0038	
180 minute summer	S145	1.002	S75	38.7	0.264	0.549	15.0038	
180 minute summer	S4	3.000	S5	-21.5	-0.136	-0.306	13.1095	
180 minute summer	S5	3.001	S11	-37.5	-0.237	-0.526	13.1095	
180 minute summer	S9	4.000	S10	9.5	0.164	0.136	8.0648	
180 minute summer	S10	4.001	S11	10.3	0.177	0.135	1.3780	
180 minute summer	S11	3.002	S12	-38.5	-0.243	-0.545	2.8740	
180 minute summer	S12	3.003	S15	-42.7	-0.270	-0.621	3.6838	
180 minute summer	S1	5.000	S3	-25.1	-0.158	-0.353	13.5151	
180 minute summer	S3	5.001	S2	18.5	0.212	0.261	9.1848	
180 minute summer	S2	5.002	S15	26.7	0.168	0.392	3.4165	
180 minute summer	S14	6.000	S15	-55.5	-0.350	-0.788	11.8707	
180 minute summer	S15	3.004	S75	91.9	0.580	1.283	4.9661	
180 minute summer	S75	1.003	S92	115.3	0.728	1.620	5.3380	
180 minute summer	S87	7.000	S88	22.5	0.163	0.316	6.8747	
180 minute summer	S88	7.001	S89	41.3	0.260	0.578	6.8747	
180 minute summer	S89	7.002	S90	62.1	0.392	0.870	6.8747	
180 minute summer	S90	7.003	S92	82.5	0.521	1.171	8.6413	
180 minute summer	S92	1.005	S86	122.2	0.772	1.720	4.4095	
180 minute summer	S81	8.000	S82	22.0	0.162	0.308	6.8747	
180 minute summer	S82	8.001	S83	41.7	0.263	0.599	6.8747	
180 minute summer	S83	8.002	S84	62.0	0.392	0.870	6.8747	
180 minute summer	S84	8.003	S86	82.4	0.520	1.160	8.1975	
180 minute summer	S86	1.006	S30	124.1	0.783	1.748	4.4165	
180 minute summer	S76	9.000	S77	21.2	0.163	0.297	6.8747	
180 minute summer	S77	9.001	S78	41.3	0.260	0.578	6.8747	

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Results for 100 year +40% CC 180 minute summer. 1620 minute analysis at 4 minute timestep. Mass balance: 99.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute summer	S78	100	0.811	1.172	62.8	3.7678	0.0000	SURCHARGED
180 minute summer	S79	100	0.797	1.179	83.1	3.7241	0.0000	SURCHARGED
180 minute summer	S30	104	0.778	1.185	136.9	3.0151	0.0000	SURCHARGED
180 minute summer	S31	104	0.751	1.087	22.6	3.6005	0.0000	SURCHARGED
180 minute summer	S32	104	0.750	1.129	41.7	3.4852	0.0000	SURCHARGED
180 minute summer	S33	104	0.743	1.166	141.8	2.9680	0.0000	SURCHARGED
180 minute summer	S34	108	0.684	1.123	137.2	1.9850	0.0000	SURCHARGED
180 minute summer	S35	112	0.585	1.051	137.7	1.8574	0.0000	SURCHARGED
180 minute summer	S36	108	0.580	1.022	8.2	1.8053	0.0000	SURCHARGED
180 minute summer	S37	112	0.551	1.022	162.9	5.0218	0.0000	SURCHARGED
180 minute summer	S38	108	0.308	0.824	157.5	1.4560	0.0000	SURCHARGED
180 minute summer	S39	108	0.065	0.627	157.8	1.1072	0.0000	SURCHARGED
180 minute summer	S56	108	0.021	0.580	1.5	1.0253	0.0000	SURCHARGED
180 minute summer	S57	108	0.021	0.586	157.9	1.4920	0.0000	SURCHARGED
180 minute summer	S125	108	-0.072	0.483	3.2	0.8539	0.0000	SURCHARGED
180 minute summer	S127	108	-0.072	0.507	157.8	1.2908	0.0000	SURCHARGED
180 minute summer	S119	108	-0.162	0.407	4.7	0.7196	0.0000	OK
180 minute summer	S60	108	-0.162	0.431	157.8	1.0974	0.0000	OK
180 minute summer	Pond Inlet 1	232	-0.273	0.337	157.9	0.5952	0.0000	OK
180 minute summer	Pond Outlet	1092	-0.279	0.331	92.7	0.3740	0.0000	SURCHARGED
180 minute summer	S13	1108	-0.279	0.359	0.4	1.2428	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	0.791	0.291	23.7	28.8487	0.0000	SURCHARGED
180 minute summer	PP-S25	116	0.791	0.291	22.0	25.0611	0.0000	SURCHARGED
180 minute summer	PP-S16	120	0.791	0.291	34.4	41.8414	0.0000	SURCHARGED
180 minute summer	PP-S145	116	0.787	0.287	35.9	43.1094	0.0000	SURCHARGED
180 minute summer	PP-S4	124	0.774	0.274	25.3	36.1909	0.0000	SURCHARGED
180 minute summer	PP-S1	124	0.777	0.277	50.4	94.6483	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	62.1	0.392	0.891	6.8745	
180 minute summer	S79	9.003	S30	82.4	0.520	1.146	7.6907	
180 minute summer	S30	1.007	S33	123.9	0.782	1.741	5.0209	
180 minute summer	S31	10.000	S32	22.0	0.181	0.311	13.6740	
180 minute summer	S32	10.001	S33	41.0	0.258	0.572	13.6740	
180 minute summer	S33	1.008	S34	135.7	0.857	1.924	5.1108	
180 minute summer	S34	1.009	S35	137.1	0.865	1.931	8.5103	
180 minute summer	S35	1.010	S37	137.7	0.869	2.072	1.7947	
180 minute summer	S36	11.000	S37	13.0	0.082	0.183	9.1184	
180 minute summer	S37	1.011	S38	157.5	0.994	2.229	14.3287	
180 minute summer	S38	1.012	S39	157.8	0.996	2.209	14.3287	
180 minute summer	S39	1.013	S57	157.9	0.997	2.492	1.1814	
180 minute summer	S56	12.011	S57	-1.5	-0.125	-0.022	2.0645	
180 minute summer	S57	1.014	S127	157.7	0.995	2.229	4.4483	
180 minute summer	S125	21.003	S127	-3.2	-0.209	-0.046	7.8151	
180 minute summer	S127	1.015	S60	157.7	0.996	2.214	4.3562	
180 minute summer	S119	22.003	S60	-4.7	-0.150	-0.068	7.5731	
180 minute summer	S60	1.016	Pond Inlet 1	157.9	1.112	2.085	4.1613	
180 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	92.7	0.033	0.002	1752.1168	
180 minute summer	Pond Outlet	1.018	S13	0.4	0.227	0.005	0.4779	
180 minute summer	S13	Pump	Final Outfall	0.0				0.0
180 minute summer	PP-S26	1.000_1	S26	-17.6	0.614	-0.459	0.3977	
180 minute summer	PP-S25	2.000_1	S25	-16.7	0.710	-0.290	0.1989	
180 minute summer	PP-S16	3.000_1	S16	-25.0	0.943	-0.371	0.1989	
180 minute summer	PP-S145	4.000_2	S145	-25.0	1.162	-0.296	0.1989	
180 minute summer	PP-S4	1.000_2	S4	18.6	0.818	0.326	0.1989	
180 minute summer	PP-S1	4.000_1	S1	-30.5	1.192	-0.461	0.1989	

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Results for 100 year +40% CC 180 minute summer. 1620 minute analysis at 4 minute timestep. Mass balance: 99.96%

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	0.773	0.273	29.0	44.4265	0.0000	SURCHARGED
180 minute summer	PP-S12	124	0.770	0.270	22.9	27.9156	0.0000	SURCHARGED
180 minute summer	PP-S14	144	0.751	0.251	55.6	136.3658	0.0000	SURCHARGED
180 minute summer	PP-S2	124	0.771	0.271	24.3	29.1042	0.0000	SURCHARGED
180 minute summer	PP-S15	124	0.770	0.270	18.6	15.1935	0.0000	SURCHARGED
180 minute summer	PP-S75	116	0.772	0.272	20.8	16.8856	0.0000	SURCHARGED
180 minute summer	PP-S24	108	0.783	0.283	50.1	39.3394	0.0000	SURCHARGED
180 minute summer	PP-S30	104	0.778	0.278	44.5	15.9606	0.0000	SURCHARGED
180 minute summer	PP-S33	108	0.745	0.245	22.4	14.2914	0.0000	SURCHARGED
180 minute summer	PP-S34	108	0.689	0.189	27.3	23.1017	0.0000	OK
180 minute summer	PP-S35	108	0.586	0.086	5.1	2.1901	0.0000	OK
180 minute summer	PP-S36	108	0.550	0.050	8.4	2.5939	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	-16.3	1.094	-0.220	0.1989	
180 minute summer	PP-S12	8.000_1	S12	-18.3	1.068	-0.201	0.1989	
180 minute summer	PP-S14	11.000_1	S14	-55.3	-1.603	-0.668	0.1989	
180 minute summer	PP-S2	10.000_1	S2	-18.1	1.024	-0.198	0.1989	
180 minute summer	PP-S15	12.000_1	S15	-14.6	1.030	-0.155	0.1989	
180 minute summer	PP-S75	13.000_1	S75	-16.9	1.046	-0.171	0.1989	
180 minute summer	PP-S24	14.000_1	S92	-40.4	1.393	-0.394	0.1989	
180 minute summer	PP-S30	18.000_1	S30	-40.9	-1.360	-0.368	0.1989	
180 minute summer	PP-S33	20.000_1	S33	-17.3	1.212	-0.151	0.1989	
180 minute summer	PP-S34	21.000_1	S34	18.1	1.481	0.153	0.1885	
180 minute summer	PP-S35	22.000_2	S35	3.9	0.882	0.032	0.1341	
180 minute summer	PP-S36	23.000_2	S36	8.2	1.403	0.069	0.1159	

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Results for 100 year +40% CC 180 minute winter. 1620 minute analysis at 4 minute timestep. Mass balance: 99.95%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute winter	S26	128	0.819	1.057	13.4	1.8681	0.0000	SURCHARGED
180 minute winter	S25	128	0.819	1.063	16.1	2.7057	0.0000	SURCHARGED
180 minute winter	S16	128	0.819	1.086	45.2	4.8157	0.0000	SURCHARGED
180 minute winter	S145	132	0.816	1.131	44.2	4.8722	0.0000	SURCHARGED
180 minute winter	S4	132	0.810	1.053	15.7	1.8599	0.0000	SURCHARGED
180 minute winter	S5	132	0.810	1.094	34.0	1.9324	0.0000	SURCHARGED
180 minute winter	S9	132	0.809	1.105	5.9	2.5456	0.0000	SURCHARGED
180 minute winter	S10	132	0.809	1.130	13.6	1.9965	0.0000	SURCHARGED
180 minute winter	S11	132	0.809	1.135	30.8	2.0054	0.0000	SURCHARGED
180 minute winter	S12	132	0.809	1.144	45.5	2.0208	0.0000	SURCHARGED
180 minute winter	S1	132	0.812	1.076	27.6	2.5340	0.0000	SURCHARGED
180 minute winter	S3	132	0.811	1.118	22.9	3.5744	0.0000	SURCHARGED
180 minute winter	S2	132	0.809	1.145	27.2	2.0234	0.0000	SURCHARGED
180 minute winter	S14	140	0.798	1.107	52.2	1.9560	0.0000	SURCHARGED
180 minute winter	S15	132	0.808	1.154	93.6	5.1945	0.0000	SURCHARGED
180 minute winter	S75	132	0.807	1.169	118.6	2.9755	0.0000	SURCHARGED
180 minute winter	S87	116	0.814	1.100	16.1	3.5679	0.0000	SURCHARGED
180 minute winter	S88	116	0.813	1.121	32.3	3.6570	0.0000	SURCHARGED
180 minute winter	S89	116	0.811	1.141	48.5	3.6993	0.0000	SURCHARGED
180 minute winter	S90	120	0.807	1.159	64.1	3.6927	0.0000	SURCHARGED
180 minute winter	S92	128	0.803	1.182	126.2	3.0093	0.0000	SURCHARGED
180 minute winter	S81	116	0.812	1.114	16.1	3.5974	0.0000	SURCHARGED
180 minute winter	S82	116	0.812	1.136	32.3	3.6875	0.0000	SURCHARGED
180 minute winter	S83	116	0.810	1.155	48.5	3.7272	0.0000	SURCHARGED
180 minute winter	S84	116	0.805	1.172	64.2	3.7172	0.0000	SURCHARGED
180 minute winter	S86	120	0.797	1.190	122.9	3.0279	0.0000	SURCHARGED
180 minute winter	S76	112	0.802	1.119	16.1	3.5963	0.0000	SURCHARGED
180 minute winter	S77	112	0.801	1.140	32.3	3.6858	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	16.8	0.106	0.237	9.2005	
180 minute winter	S25	2.000	S16	19.2	0.121	0.272	7.3393	
180 minute winter	S16	1.001	S145	-24.9	0.163	-0.349	15.0038	
180 minute winter	S145	1.002	S75	32.2	0.263	0.456	15.0038	
180 minute winter	S4	3.000	S5	-12.5	0.112	-0.178	13.1095	
180 minute winter	S5	3.001	S11	-28.3	-0.178	-0.396	13.1095	
180 minute winter	S9	4.000	S10	11.9	0.174	0.170	8.0648	
180 minute winter	S10	4.001	S11	11.7	0.180	0.154	1.3780	
180 minute winter	S11	3.002	S12	31.3	0.197	0.443	2.8740	
180 minute winter	S12	3.003	S15	37.5	0.237	0.545	3.6838	
180 minute winter	S1	5.000	S3	22.9	0.144	0.322	13.5151	
180 minute winter	S3	5.001	S2	21.5	0.227	0.304	9.1848	
180 minute winter	S2	5.002	S15	24.9	0.161	0.365	3.4165	
180 minute winter	S14	6.000	S15	-52.2	-0.330	-0.742	11.8707	
180 minute winter	S15	3.004	S75	85.8	0.542	1.199	4.9661	
180 minute winter	S75	1.003	S92	118.8	0.750	1.669	5.3380	
180 minute winter	S87	7.000	S88	15.7	0.164	0.220	6.8747	
180 minute winter	S88	7.001	S89	32.8	0.207	0.459	6.8747	
180 minute winter	S89	7.002	S90	48.0	0.303	0.673	6.8747	
180 minute winter	S90	7.003	S92	63.7	0.402	0.904	8.6413	
180 minute winter	S92	1.005	S86	122.4	0.773	1.723	4.4095	
180 minute winter	S81	8.000	S82	15.7	0.163	0.220	6.8747	
180 minute winter	S82	8.001	S83	31.9	0.201	0.458	6.8747	
180 minute winter	S83	8.002	S84	48.1	0.303	0.674	6.8747	
180 minute winter	S84	8.003	S86	63.8	0.402	0.898	8.1975	
180 minute winter	S86	1.006	S30	123.2	0.778	1.736	4.4165	
180 minute winter	S76	9.000	S77	15.7	0.164	0.220	6.8747	
180 minute winter	S77	9.001	S78	31.9	0.201	0.447	6.8747	

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Results for 100 year +40% CC 180 minute winter. 1620 minute analysis at 4 minute timestep. Mass balance: 99.95%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute winter	S78	112	0.798	1.159	48.5	3.7263	0.0000	SURCHARGED
180 minute winter	S79	116	0.793	1.175	64.2	3.7120	0.0000	SURCHARGED
180 minute winter	S30	116	0.783	1.190	128.6	3.0296	0.0000	SURCHARGED
180 minute winter	S31	116	0.748	1.084	17.4	3.5887	0.0000	SURCHARGED
180 minute winter	S32	116	0.747	1.126	32.3	3.4764	0.0000	SURCHARGED
180 minute winter	S33	116	0.743	1.166	133.5	2.9678	0.0000	SURCHARGED
180 minute winter	S34	116	0.680	1.119	137.6	1.9767	0.0000	SURCHARGED
180 minute winter	S35	112	0.576	1.042	138.4	1.8403	0.0000	SURCHARGED
180 minute winter	S36	116	0.541	0.983	6.8	1.7365	0.0000	SURCHARGED
180 minute winter	S37	112	0.541	1.012	156.5	4.9730	0.0000	SURCHARGED
180 minute winter	S38	112	0.300	0.816	156.5	1.4426	0.0000	SURCHARGED
180 minute winter	S39	116	0.060	0.622	156.5	1.0994	0.0000	SURCHARGED
180 minute winter	S56	116	0.018	0.577	2.0	1.0188	0.0000	SURCHARGED
180 minute winter	S57	116	0.018	0.583	156.5	1.4826	0.0000	SURCHARGED
180 minute winter	S125	116	-0.074	0.481	3.4	0.8495	0.0000	SURCHARGED
180 minute winter	S127	116	-0.074	0.505	156.5	1.2849	0.0000	SURCHARGED
180 minute winter	S119	120	-0.162	0.407	3.8	0.7184	0.0000	OK
180 minute winter	S60	120	-0.162	0.431	156.5	1.0957	0.0000	OK
180 minute winter	Pond Inlet 1	416	-0.245	0.365	156.4	0.6454	0.0000	OK
180 minute winter	Pond Outlet	424	-0.245	0.365	99.1	0.4127	0.0000	SURCHARGED
180 minute winter	S13	1056	-0.245	0.393	0.5	1.3612	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	128	0.820	0.320	17.9	31.9860	0.0000	SURCHARGED
180 minute winter	PP-S25	128	0.819	0.319	16.0	27.7449	0.0000	SURCHARGED
180 minute winter	PP-S16	132	0.819	0.319	26.4	46.7376	0.0000	SURCHARGED
180 minute winter	PP-S145	132	0.817	0.317	25.6	48.4583	0.0000	SURCHARGED
180 minute winter	PP-S4	132	0.810	0.310	19.3	41.8782	0.0000	SURCHARGED
180 minute winter	PP-S1	132	0.813	0.313	44.5	107.6637	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	48.1	0.304	0.691	6.8745	
180 minute winter	S79	9.003	S30	63.8	0.403	0.887	7.6907	
180 minute winter	S30	1.007	S33	126.4	0.798	1.776	5.0209	
180 minute winter	S31	10.000	S32	17.0	0.187	0.241	13.6740	
180 minute winter	S32	10.001	S33	32.0	0.239	0.447	13.6740	
180 minute winter	S33	1.008	S34	133.7	0.844	1.895	5.1108	
180 minute winter	S34	1.009	S35	137.7	0.869	1.939	8.5103	
180 minute winter	S35	1.010	S37	138.5	0.874	2.084	1.7947	
180 minute winter	S36	11.000	S37	6.8	-0.073	0.095	9.1184	
180 minute winter	S37	1.011	S38	156.5	0.988	2.216	14.3287	
180 minute winter	S38	1.012	S39	156.5	0.988	2.191	14.3287	
180 minute winter	S39	1.013	S57	156.5	0.988	2.471	1.1814	
180 minute winter	S56	12.011	S57	-2.0	-0.188	-0.030	2.0645	
180 minute winter	S57	1.014	S127	156.5	0.988	2.213	4.4483	
180 minute winter	S125	21.003	S127	-3.4	-0.203	-0.049	7.8151	
180 minute winter	S127	1.015	S60	156.5	0.988	2.197	4.3546	
180 minute winter	S119	22.003	S60	-3.8	-0.194	-0.055	7.5661	
180 minute winter	S60	1.016	Pond Inlet 1	156.4	1.101	2.065	4.2328	
180 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	99.1	0.037	0.002	1945.7167	
180 minute winter	Pond Outlet	1.018	S13	0.5	0.243	0.008	0.4779	
180 minute winter	S13	Pump	Final Outfall	0.0				0.0
180 minute winter	PP-S26	1.000_1	S26	-13.1	0.554	-0.342	0.3977	
180 minute winter	PP-S25	2.000_1	S25	16.1	0.701	0.279	0.1989	
180 minute winter	PP-S16	3.000_1	S16	-18.7	0.928	-0.277	0.1989	
180 minute winter	PP-S145	4.000_2	S145	21.9	1.143	0.259	0.1989	
180 minute winter	PP-S4	1.000_2	S4	-12.3	0.930	-0.216	0.1989	
180 minute winter	PP-S1	4.000_1	S1	-27.4	1.194	-0.413	0.1989	

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Results for 100 year +40% CC 180 minute winter. 1620 minute analysis at 4 minute timestep. Mass balance: 99.95%

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	0.810	0.310	22.8	51.8178	0.0000	SURCHARGED
180 minute winter	PP-S12	132	0.809	0.309	17.2	32.1975	0.0000	SURCHARGED
180 minute winter	PP-S14	152	0.795	0.295	52.4	164.1382	0.0000	SURCHARGED
180 minute winter	PP-S2	132	0.809	0.309	18.8	33.4914	0.0000	SURCHARGED
180 minute winter	PP-S15	132	0.808	0.308	13.9	17.5095	0.0000	SURCHARGED
180 minute winter	PP-S75	132	0.807	0.307	15.5	19.1670	0.0000	SURCHARGED
180 minute winter	PP-S24	128	0.804	0.304	28.1	42.5739	0.0000	SURCHARGED
180 minute winter	PP-S30	116	0.784	0.284	15.9	16.2910	0.0000	SURCHARGED
180 minute winter	PP-S33	116	0.744	0.244	10.7	14.1822	0.0000	SURCHARGED
180 minute winter	PP-S34	116	0.680	0.180	16.9	21.8734	0.0000	OK
180 minute winter	PP-S35	116	0.576	0.076	2.4	1.9399	0.0000	OK
180 minute winter	PP-S36	100	0.537	0.037	6.9	1.3863	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	17.4	1.080	0.235	0.1989	
180 minute winter	PP-S12	8.000_1	S12	14.2	1.042	0.156	0.1989	
180 minute winter	PP-S14	11.000_1	S14	-52.1	1.556	-0.629	0.1989	
180 minute winter	PP-S2	10.000_1	S2	-14.2	1.107	-0.156	0.1989	
180 minute winter	PP-S15	12.000_1	S15	24.6	1.011	0.261	0.1989	
180 minute winter	PP-S75	13.000_1	S75	14.4	1.029	0.145	0.1989	
180 minute winter	PP-S24	14.000_1	S92	-18.7	1.372	-0.183	0.1989	
180 minute winter	PP-S30	18.000_1	S30	13.9	1.096	0.125	0.1989	
180 minute winter	PP-S33	20.000_1	S33	7.2	1.180	0.063	0.1989	
180 minute winter	PP-S34	21.000_1	S34	15.9	1.455	0.135	0.1848	
180 minute winter	PP-S35	22.000_2	S35	2.2	0.872	0.018	0.1291	
180 minute winter	PP-S36	23.000_2	S36	6.8	1.367	0.057	0.1099	

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Results for 100 year +40% CC 240 minute summer. 1680 minute analysis at 4 minute timestep. Mass balance: 99.94%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute summer	S26	152	0.762	1.000	14.9	1.7664	0.0000	SURCHARGED
240 minute summer	S25	152	0.762	1.006	21.9	2.5593	0.0000	SURCHARGED
240 minute summer	S16	152	0.761	1.028	46.7	4.5603	0.0000	SURCHARGED
240 minute summer	S145	152	0.758	1.073	44.5	4.6216	0.0000	SURCHARGED
240 minute summer	S4	156	0.752	0.995	20.5	1.7577	0.0000	SURCHARGED
240 minute summer	S5	156	0.752	1.036	32.1	1.8301	0.0000	SURCHARGED
240 minute summer	S9	156	0.751	1.047	16.0	2.4120	0.0000	SURCHARGED
240 minute summer	S10	156	0.751	1.072	20.3	1.8941	0.0000	SURCHARGED
240 minute summer	S11	156	0.751	1.077	28.6	1.9029	0.0000	SURCHARGED
240 minute summer	S12	156	0.751	1.086	32.2	1.9183	0.0000	SURCHARGED
240 minute summer	S1	156	0.755	1.019	25.6	2.4001	0.0000	SURCHARGED
240 minute summer	S3	156	0.753	1.060	22.0	3.3904	0.0000	SURCHARGED
240 minute summer	S2	156	0.751	1.087	37.6	1.9211	0.0000	SURCHARGED
240 minute summer	S14	160	0.740	1.049	49.3	1.8538	0.0000	SURCHARGED
240 minute summer	S15	156	0.750	1.096	90.7	4.9334	0.0000	SURCHARGED
240 minute summer	S75	156	0.749	1.111	116.2	2.8274	0.0000	SURCHARGED
240 minute summer	S87	136	0.759	1.045	17.5	3.3911	0.0000	SURCHARGED
240 minute summer	S88	136	0.759	1.067	34.7	3.4789	0.0000	SURCHARGED
240 minute summer	S89	136	0.756	1.086	52.0	3.5200	0.0000	SURCHARGED
240 minute summer	S90	144	0.750	1.102	68.9	3.5111	0.0000	SURCHARGED
240 minute summer	S92	152	0.745	1.124	118.1	2.8610	0.0000	SURCHARGED
240 minute summer	S81	132	0.759	1.061	17.5	3.4252	0.0000	SURCHARGED
240 minute summer	S82	132	0.758	1.082	34.8	3.5130	0.0000	SURCHARGED
240 minute summer	S83	136	0.755	1.100	52.0	3.5509	0.0000	SURCHARGED
240 minute summer	S84	136	0.748	1.115	68.9	3.5383	0.0000	SURCHARGED
240 minute summer	S86	144	0.741	1.134	116.6	2.8853	0.0000	SURCHARGED
240 minute summer	S76	132	0.752	1.069	17.5	3.4380	0.0000	SURCHARGED
240 minute summer	S77	132	0.752	1.091	34.8	3.5258	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	16.3	0.103	0.230	9.2005	
240 minute summer	S25	2.000	S16	22.1	0.139	0.313	7.3393	
240 minute summer	S16	1.001	S145	34.7	0.219	0.486	15.0038	
240 minute summer	S145	1.002	S75	36.2	0.244	0.513	15.0038	
240 minute summer	S4	3.000	S5	14.8	0.104	0.210	13.1095	
240 minute summer	S5	3.001	S11	-26.5	-0.168	-0.372	13.1095	
240 minute summer	S9	4.000	S10	-11.6	0.157	-0.165	8.0648	
240 minute summer	S10	4.001	S11	-20.3	0.179	-0.267	1.3780	
240 minute summer	S11	3.002	S12	23.5	0.148	0.333	2.8740	
240 minute summer	S12	3.003	S15	-32.2	-0.203	-0.468	3.6838	
240 minute summer	S1	5.000	S3	21.7	0.137	0.305	13.5151	
240 minute summer	S3	5.001	S2	22.8	0.197	0.322	9.1848	
240 minute summer	S2	5.002	S15	34.9	0.220	0.512	3.4165	
240 minute summer	S14	6.000	S15	-49.3	-0.311	-0.700	11.8707	
240 minute summer	S15	3.004	S75	86.0	0.543	1.202	4.9661	
240 minute summer	S75	1.003	S92	115.0	0.726	1.616	5.3380	
240 minute summer	S87	7.000	S88	16.8	0.152	0.236	6.8747	
240 minute summer	S88	7.001	S89	34.1	0.215	0.478	6.8747	
240 minute summer	S89	7.002	S90	51.4	0.324	0.720	6.8747	
240 minute summer	S90	7.003	S92	68.4	0.432	0.970	8.6413	
240 minute summer	S92	1.005	S86	116.6	0.736	1.641	4.4095	
240 minute summer	S81	8.000	S82	16.9	0.151	0.237	6.8747	
240 minute summer	S82	8.001	S83	34.1	0.215	0.490	6.8747	
240 minute summer	S83	8.002	S84	51.4	0.324	0.720	6.8747	
240 minute summer	S84	8.003	S86	68.2	0.431	0.961	8.1975	
240 minute summer	S86	1.006	S30	116.0	0.732	1.634	4.4165	
240 minute summer	S76	9.000	S77	16.9	0.152	0.237	6.8747	
240 minute summer	S77	9.001	S78	34.2	0.216	0.479	6.8747	

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Results for 100 year +40% CC 240 minute summer. 1680 minute analysis at 4 minute timestep. Mass balance: 99.94%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute summer	S78	136	0.748	1.109	52.0	3.5655	0.0000	SURCHARGED
240 minute summer	S79	136	0.742	1.124	68.9	3.5499	0.0000	SURCHARGED
240 minute summer	S30	140	0.730	1.137	124.6	2.8939	0.0000	SURCHARGED
240 minute summer	S31	136	0.700	1.036	18.9	3.4326	0.0000	SURCHARGED
240 minute summer	S32	136	0.699	1.078	34.7	3.3298	0.0000	SURCHARGED
240 minute summer	S33	140	0.695	1.118	130.2	2.8462	0.0000	SURCHARGED
240 minute summer	S34	140	0.639	1.078	134.3	1.9039	0.0000	SURCHARGED
240 minute summer	S35	136	0.541	1.007	135.3	1.7802	0.0000	SURCHARGED
240 minute summer	S36	136	0.509	0.951	6.9	1.6810	0.0000	SURCHARGED
240 minute summer	S37	136	0.509	0.980	153.7	4.8182	0.0000	SURCHARGED
240 minute summer	S38	136	0.278	0.794	153.7	1.4021	0.0000	SURCHARGED
240 minute summer	S39	136	0.046	0.608	153.6	1.0742	0.0000	SURCHARGED
240 minute summer	S56	136	0.005	0.564	1.5	0.9964	0.0000	SURCHARGED
240 minute summer	S57	136	0.005	0.570	153.6	1.4503	0.0000	SURCHARGED
240 minute summer	S125	140	-0.083	0.472	2.8	0.8337	0.0000	SURCHARGED
240 minute summer	S127	140	-0.083	0.496	153.6	1.2618	0.0000	SURCHARGED
240 minute summer	S119	140	-0.169	0.400	4.2	0.7071	0.0000	OK
240 minute summer	S60	140	-0.169	0.424	153.6	1.0795	0.0000	OK
240 minute summer	Pond Inlet 1	436	-0.261	0.349	153.4	0.6175	0.0000	OK
240 minute summer	Pond Outlet	972	-0.261	0.349	77.6	0.3949	0.0000	SURCHARGED
240 minute summer	S13	1136	-0.261	0.377	0.3	1.3067	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	0.762	0.262	19.8	25.6330	0.0000	SURCHARGED
240 minute summer	PP-S25	152	0.762	0.262	17.9	22.2856	0.0000	SURCHARGED
240 minute summer	PP-S16	152	0.762	0.262	27.7	36.8573	0.0000	SURCHARGED
240 minute summer	PP-S145	152	0.759	0.259	27.6	37.9949	0.0000	SURCHARGED
240 minute summer	PP-S4	156	0.752	0.252	20.3	32.7956	0.0000	SURCHARGED
240 minute summer	PP-S1	156	0.756	0.256	42.9	87.4823	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	51.4	0.324	0.738	6.8745	
240 minute summer	S79	9.003	S30	68.3	0.431	0.950	7.6907	
240 minute summer	S30	1.007	S33	124.9	0.788	1.754	5.0209	
240 minute summer	S31	10.000	S32	18.2	0.171	0.257	13.6740	
240 minute summer	S32	10.001	S33	34.0	0.225	0.475	13.6740	
240 minute summer	S33	1.008	S34	129.0	0.814	1.829	5.1108	
240 minute summer	S34	1.009	S35	134.9	0.851	1.899	8.5103	
240 minute summer	S35	1.010	S37	135.6	0.856	2.041	1.7947	
240 minute summer	S36	11.000	S37	6.9	-0.059	0.097	9.1184	
240 minute summer	S37	1.011	S38	153.7	0.970	2.175	14.3287	
240 minute summer	S38	1.012	S39	153.6	0.970	2.150	14.3287	
240 minute summer	S39	1.013	S57	153.6	0.970	2.425	1.1814	
240 minute summer	S56	12.011	S57	-1.5	-0.186	-0.022	2.0645	
240 minute summer	S57	1.014	S127	153.6	0.969	2.171	4.4483	
240 minute summer	S125	21.003	S127	-2.8	-0.157	-0.040	7.8151	
240 minute summer	S127	1.015	S60	153.6	0.969	2.156	4.3379	
240 minute summer	S119	22.003	S60	-4.2	-0.169	-0.060	7.4926	
240 minute summer	S60	1.016	Pond Inlet 1	153.4	1.095	2.026	4.1592	
240 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	77.6	0.027	0.002	1856.5242	
240 minute summer	Pond Outlet	1.018	S13	0.3	0.215	0.004	0.4779	
240 minute summer	S13	Pump	Final Outfall	0.0				0.0
240 minute summer	PP-S26	1.000_1	S26	-14.6	0.639	-0.381	0.3977	
240 minute summer	PP-S25	2.000_1	S25	14.2	0.696	0.247	0.1989	
240 minute summer	PP-S16	3.000_1	S16	-19.8	0.924	-0.293	0.1989	
240 minute summer	PP-S145	4.000_2	S145	25.3	1.139	0.299	0.1989	
240 minute summer	PP-S4	1.000_2	S4	20.5	0.974	0.361	0.1989	
240 minute summer	PP-S1	4.000_1	S1	-25.5	1.197	-0.384	0.1989	

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Results for 100 year +40% CC 240 minute summer. 1680 minute analysis at 4 minute timestep. Mass balance: 99.94%

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	0.752	0.252	23.8	40.2926	0.0000	SURCHARGED
240 minute summer	PP-S12	156	0.751	0.251	18.2	25.7288	0.0000	SURCHARGED
240 minute summer	PP-S14	176	0.737	0.237	49.3	127.1873	0.0000	SURCHARGED
240 minute summer	PP-S2	156	0.751	0.251	19.6	26.9474	0.0000	SURCHARGED
240 minute summer	PP-S15	156	0.750	0.250	16.8	14.0355	0.0000	SURCHARGED
240 minute summer	PP-S75	156	0.749	0.249	17.6	15.3577	0.0000	SURCHARGED
240 minute summer	PP-S24	152	0.746	0.246	34.1	33.4344	0.0000	SURCHARGED
240 minute summer	PP-S30	140	0.730	0.230	20.7	13.0875	0.0000	SURCHARGED
240 minute summer	PP-S33	140	0.696	0.196	14.8	11.2014	0.0000	OK
240 minute summer	PP-S34	140	0.638	0.138	18.5	15.8950	0.0000	OK
240 minute summer	PP-S35	136	0.542	0.042	1.8	0.9846	0.0000	OK
240 minute summer	PP-S36	132	0.537	0.037	7.1	1.4050	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	21.2	1.076	0.286	0.1989	
240 minute summer	PP-S12	8.000_1	S12	16.9	1.040	0.186	0.1989	
240 minute summer	PP-S14	11.000_1	S14	-49.1	1.471	-0.593	0.1989	
240 minute summer	PP-S2	10.000_1	S2	14.8	1.032	0.162	0.1989	
240 minute summer	PP-S15	12.000_1	S15	24.0	1.005	0.254	0.1989	
240 minute summer	PP-S75	13.000_1	S75	16.9	1.026	0.171	0.1989	
240 minute summer	PP-S24	14.000_1	S92	-23.7	1.367	-0.231	0.1989	
240 minute summer	PP-S30	18.000_1	S30	-17.7	1.096	-0.159	0.1989	
240 minute summer	PP-S33	20.000_1	S33	-11.2	1.182	-0.098	0.1911	
240 minute summer	PP-S34	21.000_1	S34	14.9	1.449	0.126	0.1634	
240 minute summer	PP-S35	22.000_2	S35	2.2	0.865	0.018	0.1120	
240 minute summer	PP-S36	23.000_2	S36	6.9	1.369	0.058	0.1100	

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Results for 100 year +40% CC 240 minute winter. 1680 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
240 minute winter	S26	168	0.784	1.022	11.2	1.8065	0.0000	SURCHARGED
240 minute winter	S25	168	0.784	1.028	10.5	2.6169	0.0000	SURCHARGED
240 minute winter	S16	168	0.784	1.051	51.6	4.6610	0.0000	SURCHARGED
240 minute winter	S145	168	0.782	1.097	50.6	4.7240	0.0000	SURCHARGED
240 minute winter	S4	168	0.777	1.020	18.2	1.8021	0.0000	SURCHARGED
240 minute winter	S5	168	0.777	1.061	33.8	1.8742	0.0000	SURCHARGED
240 minute winter	S9	168	0.776	1.072	7.6	2.4697	0.0000	SURCHARGED
240 minute winter	S10	168	0.776	1.097	8.2	1.9383	0.0000	SURCHARGED
240 minute winter	S11	168	0.776	1.102	22.7	1.9471	0.0000	SURCHARGED
240 minute winter	S12	168	0.776	1.111	28.6	1.9625	0.0000	SURCHARGED
240 minute winter	S1	168	0.778	1.042	20.2	2.4543	0.0000	SURCHARGED
240 minute winter	S3	168	0.777	1.084	24.4	3.4676	0.0000	SURCHARGED
240 minute winter	S2	168	0.776	1.112	23.7	1.9650	0.0000	SURCHARGED
240 minute winter	S14	176	0.771	1.080	45.8	1.9092	0.0000	SURCHARGED
240 minute winter	S15	168	0.775	1.121	83.3	5.0466	0.0000	SURCHARGED
240 minute winter	S75	168	0.775	1.137	115.9	2.8924	0.0000	SURCHARGED
240 minute winter	S87	160	0.777	1.063	13.0	3.4484	0.0000	SURCHARGED
240 minute winter	S88	160	0.777	1.085	26.0	3.5378	0.0000	SURCHARGED
240 minute winter	S89	160	0.776	1.106	39.0	3.5847	0.0000	SURCHARGED
240 minute winter	S90	160	0.774	1.126	51.7	3.5863	0.0000	SURCHARGED
240 minute winter	S92	164	0.770	1.149	128.4	2.9250	0.0000	SURCHARGED
240 minute winter	S81	156	0.769	1.071	13.0	3.4578	0.0000	SURCHARGED
240 minute winter	S82	156	0.769	1.093	26.0	3.5478	0.0000	SURCHARGED
240 minute winter	S83	156	0.768	1.113	39.0	3.5912	0.0000	SURCHARGED
240 minute winter	S84	156	0.765	1.132	51.8	3.5902	0.0000	SURCHARGED
240 minute winter	S86	160	0.760	1.153	123.3	2.9351	0.0000	SURCHARGED
240 minute winter	S76	152	0.750	1.067	13.0	3.4293	0.0000	SURCHARGED
240 minute winter	S77	152	0.749	1.088	26.0	3.5187	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	20.4	0.129	0.288	9.2005	
240 minute winter	S25	2.000	S16	21.3	0.134	0.301	7.3393	
240 minute winter	S16	1.001	S145	29.8	0.188	0.417	15.0038	
240 minute winter	S145	1.002	S75	35.0	0.250	0.497	15.0038	
240 minute winter	S4	3.000	S5	16.6	0.107	0.236	13.1095	
240 minute winter	S5	3.001	S11	20.5	0.129	0.287	13.1095	
240 minute winter	S9	4.000	S10	-7.6	0.156	-0.108	8.0648	
240 minute winter	S10	4.001	S11	-8.2	0.170	-0.108	1.3780	
240 minute winter	S11	3.002	S12	21.8	0.137	0.308	2.8740	
240 minute winter	S12	3.003	S15	29.3	0.185	0.426	3.6838	
240 minute winter	S1	5.000	S3	24.4	0.154	0.343	13.5151	
240 minute winter	S3	5.001	S2	18.8	0.206	0.266	9.1848	
240 minute winter	S2	5.002	S15	24.0	0.152	0.353	3.4165	
240 minute winter	S14	6.000	S15	-45.8	-0.289	-0.651	11.8707	
240 minute winter	S15	3.004	S75	88.7	0.560	1.239	4.9661	
240 minute winter	S75	1.003	S92	116.3	0.734	1.634	5.3380	
240 minute winter	S87	7.000	S88	12.7	0.152	0.178	6.8747	
240 minute winter	S88	7.001	S89	25.7	0.193	0.361	6.8747	
240 minute winter	S89	7.002	S90	38.7	0.245	0.543	6.8747	
240 minute winter	S90	7.003	S92	51.5	0.325	0.730	8.6413	
240 minute winter	S92	1.005	S86	123.3	0.778	1.735	4.4095	
240 minute winter	S81	8.000	S82	12.7	0.150	0.178	6.8747	
240 minute winter	S82	8.001	S83	25.7	0.190	0.369	6.8747	
240 minute winter	S83	8.002	S84	38.8	0.245	0.544	6.8747	
240 minute winter	S84	8.003	S86	51.5	0.325	0.725	8.1975	
240 minute winter	S86	1.006	S30	121.1	0.764	1.706	4.4165	
240 minute winter	S76	9.000	S77	12.7	0.151	0.178	6.8747	
240 minute winter	S77	9.001	S78	25.7	0.191	0.361	6.8747	

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Results for 100 year +40% CC 240 minute winter. 1680 minute analysis at 4 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute winter	S78	152	0.748	1.109	39.0	3.5642	0.0000	SURCHARGED
240 minute winter	S79	156	0.745	1.127	51.8	3.5594	0.0000	SURCHARGED
240 minute winter	S30	156	0.739	1.146	123.7	2.9176	0.0000	SURCHARGED
240 minute winter	S31	152	0.697	1.033	14.0	3.4196	0.0000	SURCHARGED
240 minute winter	S32	152	0.696	1.075	26.1	3.3193	0.0000	SURCHARGED
240 minute winter	S33	152	0.693	1.116	129.7	2.8414	0.0000	SURCHARGED
240 minute winter	S34	152	0.629	1.068	136.2	1.8876	0.0000	SURCHARGED
240 minute winter	S35	148	0.525	0.991	136.1	1.7509	0.0000	SURCHARGED
240 minute winter	S36	148	0.490	0.932	5.5	1.6464	0.0000	SURCHARGED
240 minute winter	S37	148	0.490	0.961	151.5	4.7224	0.0000	SURCHARGED
240 minute winter	S38	148	0.265	0.781	151.5	1.3793	0.0000	SURCHARGED
240 minute winter	S39	152	0.040	0.602	151.5	1.0630	0.0000	SURCHARGED
240 minute winter	S56	152	0.000	0.559	1.1	0.9874	0.0000	SURCHARGED
240 minute winter	S57	152	0.000	0.565	151.5	1.4374	0.0000	SURCHARGED
240 minute winter	S125	152	-0.086	0.469	3.2	0.8291	0.0000	SURCHARGED
240 minute winter	S127	152	-0.086	0.493	151.5	1.2553	0.0000	SURCHARGED
240 minute winter	S119	156	-0.169	0.400	2.7	0.7072	0.0000	OK
240 minute winter	S60	156	-0.169	0.424	151.4	1.0797	0.0000	OK
240 minute winter	Pond Inlet 1	424	-0.224	0.386	151.4	0.6815	0.0000	OK
240 minute winter	Pond Outlet	444	-0.225	0.385	75.9	0.4357	0.0000	SURCHARGED
240 minute winter	S13	448	-0.225	0.413	0.5	1.4318	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	168	0.785	0.285	13.6	28.1229	0.0000	SURCHARGED
240 minute winter	PP-S25	168	0.784	0.284	12.0	24.4285	0.0000	SURCHARGED
240 minute winter	PP-S16	168	0.784	0.284	19.2	40.7324	0.0000	SURCHARGED
240 minute winter	PP-S145	168	0.782	0.282	18.5	42.2514	0.0000	SURCHARGED
240 minute winter	PP-S4	168	0.777	0.277	15.1	36.7367	0.0000	SURCHARGED
240 minute winter	PP-S1	168	0.779	0.279	34.2	95.5873	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	38.8	0.245	0.557	6.8745	
240 minute winter	S79	9.003	S30	51.5	0.325	0.716	7.6907	
240 minute winter	S30	1.007	S33	122.9	0.776	1.727	5.0209	
240 minute winter	S31	10.000	S32	13.8	0.172	0.195	13.6740	
240 minute winter	S32	10.001	S33	25.9	0.225	0.362	13.6740	
240 minute winter	S33	1.008	S34	129.7	0.819	1.839	5.1108	
240 minute winter	S34	1.009	S35	135.8	0.857	1.912	8.5103	
240 minute winter	S35	1.010	S37	136.4	0.861	2.052	1.7947	
240 minute winter	S36	11.000	S37	5.4	-0.039	0.076	9.1184	
240 minute winter	S37	1.011	S38	151.5	0.956	2.144	14.3287	
240 minute winter	S38	1.012	S39	151.5	0.956	2.120	14.3287	
240 minute winter	S39	1.013	S57	151.5	0.956	2.391	1.1814	
240 minute winter	S56	12.011	S57	-1.1	-0.095	-0.016	2.0645	
240 minute winter	S57	1.014	S127	151.5	0.956	2.141	4.4483	
240 minute winter	S125	21.003	S127	-3.2	-0.204	-0.046	7.8151	
240 minute winter	S127	1.015	S60	151.4	0.956	2.126	4.3380	
240 minute winter	S119	22.003	S60	-2.7	-0.170	-0.039	7.4933	
240 minute winter	S60	1.016	Pond Inlet 1	151.4	1.081	1.999	4.3554	
240 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	75.9	0.030	0.002	2060.8879	
240 minute winter	Pond Outlet	1.018	S13	0.5	0.217	0.007	0.4779	
240 minute winter	S13	Pump	Final Outfall	0.0				0.0
240 minute winter	PP-S26	1.000_1	S26	10.1	0.600	0.264	0.3977	
240 minute winter	PP-S25	2.000_1	S25	-8.8	0.693	-0.153	0.1989	
240 minute winter	PP-S16	3.000_1	S16	-13.0	0.917	-0.192	0.1989	
240 minute winter	PP-S145	4.000_2	S145	24.6	1.098	0.292	0.1989	
240 minute winter	PP-S4	1.000_2	S4	18.2	0.901	0.319	0.1989	
240 minute winter	PP-S1	4.000_1	S1	-20.0	1.188	-0.301	0.1989	

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Results for 100 year +40% CC 240 minute winter. 1680 minute analysis at 4 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute winter	PP-S5	168	0.777	0.277	17.6	45.2340	0.0000	SURCHARGED
240 minute winter	PP-S12	168	0.776	0.276	13.9	28.5101	0.0000	SURCHARGED
240 minute winter	PP-S14	184	0.771	0.271	45.9	148.7954	0.0000	SURCHARGED
240 minute winter	PP-S2	168	0.776	0.276	14.9	29.7403	0.0000	SURCHARGED
240 minute winter	PP-S15	168	0.775	0.275	10.1	15.5388	0.0000	SURCHARGED
240 minute winter	PP-S75	168	0.775	0.275	11.8	17.0272	0.0000	SURCHARGED
240 minute winter	PP-S24	164	0.771	0.271	18.4	37.3797	0.0000	SURCHARGED
240 minute winter	PP-S30	156	0.740	0.240	12.1	13.6403	0.0000	SURCHARGED
240 minute winter	PP-S33	152	0.694	0.194	7.1	11.0704	0.0000	OK
240 minute winter	PP-S34	152	0.629	0.129	9.9	14.5681	0.0000	OK
240 minute winter	PP-S35	148	0.525	0.025	1.1	0.5287	0.0000	OK
240 minute winter	PP-S36	132	0.533	0.033	5.6	1.1333	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	17.1	1.037	0.231	0.1989	
240 minute winter	PP-S12	8.000_1	S12	-12.9	1.003	-0.142	0.1989	
240 minute winter	PP-S14	11.000_1	S14	-45.7	1.526	-0.552	0.1989	
240 minute winter	PP-S2	10.000_1	S2	12.2	1.069	0.133	0.1989	
240 minute winter	PP-S15	12.000_1	S15	20.4	0.964	0.217	0.1989	
240 minute winter	PP-S75	13.000_1	S75	13.0	0.985	0.131	0.1989	
240 minute winter	PP-S24	14.000_1	S92	26.1	1.316	0.255	0.1989	
240 minute winter	PP-S30	18.000_1	S30	12.6	1.047	0.113	0.1989	
240 minute winter	PP-S33	20.000_1	S33	5.0	1.130	0.044	0.1903	
240 minute winter	PP-S34	21.000_1	S34	17.6	1.395	0.149	0.1583	
240 minute winter	PP-S35	22.000_2	S35	1.3	0.824	0.011	0.1053	
240 minute winter	PP-S36	23.000_2	S36	5.5	1.348	0.046	0.1084	

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Results for 100 year +40% CC 360 minute summer. 1800 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
360 minute summer	S26	224	0.714	0.952	11.9	1.6818	0.0000	SURCHARGED
360 minute summer	S25	224	0.714	0.958	17.9	2.4375	0.0000	SURCHARGED
360 minute summer	S16	224	0.714	0.981	34.3	4.3482	0.0000	SURCHARGED
360 minute summer	S145	224	0.711	1.026	47.0	4.4192	0.0000	SURCHARGED
360 minute summer	S4	224	0.707	0.950	19.8	1.6785	0.0000	SURCHARGED
360 minute summer	S5	224	0.707	0.991	33.6	1.7504	0.0000	SURCHARGED
360 minute summer	S9	224	0.705	1.001	16.0	2.3074	0.0000	SURCHARGED
360 minute summer	S10	224	0.706	1.027	10.3	1.8140	0.0000	SURCHARGED
360 minute summer	S11	224	0.706	1.032	19.4	1.8228	0.0000	SURCHARGED
360 minute summer	S12	224	0.705	1.040	23.8	1.8379	0.0000	SURCHARGED
360 minute summer	S1	224	0.708	0.972	18.2	2.2884	0.0000	SURCHARGED
360 minute summer	S3	224	0.707	1.014	22.4	3.2422	0.0000	SURCHARGED
360 minute summer	S2	224	0.705	1.041	43.3	1.8402	0.0000	SURCHARGED
360 minute summer	S14	224	0.700	1.009	40.7	1.7821	0.0000	SURCHARGED
360 minute summer	S15	224	0.704	1.050	87.9	4.7282	0.0000	SURCHARGED
360 minute summer	S75	216	0.704	1.066	101.4	2.7118	0.0000	SURCHARGED
360 minute summer	S87	216	0.706	0.992	13.0	3.2178	0.0000	SURCHARGED
360 minute summer	S88	216	0.706	1.014	25.9	3.3063	0.0000	SURCHARGED
360 minute summer	S89	216	0.705	1.035	38.8	3.3548	0.0000	SURCHARGED
360 minute summer	S90	216	0.704	1.056	51.3	3.3624	0.0000	SURCHARGED
360 minute summer	S92	216	0.700	1.079	103.2	2.7463	0.0000	SURCHARGED
360 minute summer	S81	208	0.696	0.998	13.0	3.2221	0.0000	SURCHARGED
360 minute summer	S82	208	0.695	1.019	25.9	3.3100	0.0000	SURCHARGED
360 minute summer	S83	208	0.695	1.040	38.8	3.3566	0.0000	SURCHARGED
360 minute summer	S84	216	0.693	1.060	51.4	3.3607	0.0000	SURCHARGED
360 minute summer	S86	216	0.689	1.082	108.3	2.7531	0.0000	SURCHARGED
360 minute summer	S76	208	0.678	0.995	13.0	3.1980	0.0000	SURCHARGED
360 minute summer	S77	208	0.677	1.016	25.9	3.2857	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	9.6	0.061	0.136	7.3393	
360 minute summer	S16	1.001	S145	22.1	0.159	0.310	15.0038	
360 minute summer	S145	1.002	S75	28.6	0.224	0.406	15.0038	
360 minute summer	S4	3.000	S5	-16.6	-0.105	-0.236	13.1095	
360 minute summer	S5	3.001	S11	-17.4	0.125	-0.244	13.1095	
360 minute summer	S9	4.000	S10	-15.5	0.132	-0.221	8.0648	
360 minute summer	S10	4.001	S11	5.0	0.075	0.065	1.3780	
360 minute summer	S11	3.002	S12	23.3	0.147	0.330	2.8740	
360 minute summer	S12	3.003	S15	29.0	0.183	0.422	3.6838	
360 minute summer	S1	5.000	S3	21.0	0.133	0.296	13.5151	
360 minute summer	S3	5.001	S2	20.9	0.175	0.295	9.1848	
360 minute summer	S2	5.002	S15	37.3	0.235	0.547	3.4165	
360 minute summer	S14	6.000	S15	-40.7	-0.257	-0.578	11.8707	
360 minute summer	S15	3.004	S75	71.7	0.453	1.002	4.9661	
360 minute summer	S75	1.003	S92	98.7	0.623	1.388	5.3380	
360 minute summer	S87	7.000	S88	12.6	0.140	0.177	6.8747	
360 minute summer	S88	7.001	S89	25.5	0.181	0.357	6.8747	
360 minute summer	S89	7.002	S90	38.3	0.242	0.538	6.8747	
360 minute summer	S90	7.003	S92	51.0	0.322	0.723	8.6413	
360 minute summer	S92	1.005	S86	101.5	0.641	1.429	4.4095	
360 minute summer	S81	8.000	S82	12.6	0.139	0.176	6.8747	
360 minute summer	S82	8.001	S83	25.5	0.178	0.365	6.8747	
360 minute summer	S83	8.002	S84	38.4	0.242	0.538	6.8747	
360 minute summer	S84	8.003	S86	50.9	0.322	0.717	8.1975	
360 minute summer	S86	1.006	S30	109.0	0.688	1.535	4.4165	
360 minute summer	S76	9.000	S77	12.6	0.140	0.176	6.8747	
360 minute summer	S77	9.001	S78	25.4	0.180	0.356	6.8747	

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Results for 100 year +40% CC 360 minute summer. 1800 minute analysis at 8 minute timestep. Mass balance: 99.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute summer	S78	208	0.677	1.038	38.7	3.3350	0.0000	SURCHARGED
360 minute summer	S79	208	0.674	1.056	51.3	3.3351	0.0000	SURCHARGED
360 minute summer	S30	208	0.669	1.076	122.1	2.7392	0.0000	SURCHARGED
360 minute summer	S31	208	0.629	0.965	14.0	3.1963	0.0000	SURCHARGED
360 minute summer	S32	208	0.629	1.008	25.8	3.1113	0.0000	SURCHARGED
360 minute summer	S33	208	0.627	1.050	127.0	2.6727	0.0000	SURCHARGED
360 minute summer	S34	208	0.568	1.007	129.7	1.7786	0.0000	SURCHARGED
360 minute summer	S35	200	0.473	0.939	130.3	1.6586	0.0000	SURCHARGED
360 minute summer	S36	200	0.440	0.882	5.3	1.5584	0.0000	SURCHARGED
360 minute summer	S37	200	0.440	0.911	147.4	4.4781	0.0000	SURCHARGED
360 minute summer	S38	200	0.227	0.743	147.2	1.3133	0.0000	SURCHARGED
360 minute summer	S39	200	0.015	0.577	147.2	1.0191	0.0000	SURCHARGED
360 minute summer	S56	200	-0.023	0.536	0.6	0.9471	0.0000	SURCHARGED
360 minute summer	S57	200	-0.023	0.542	147.2	1.3794	0.0000	SURCHARGED
360 minute summer	S125	200	-0.103	0.452	1.8	0.7984	0.0000	SURCHARGED
360 minute summer	S127	200	-0.103	0.476	147.2	1.2110	0.0000	SURCHARGED
360 minute summer	S119	208	-0.178	0.391	1.0	0.6911	0.0000	OK
360 minute summer	S60	208	-0.178	0.415	147.2	1.0564	0.0000	OK
360 minute summer	Pond Inlet 1	488	-0.236	0.374	147.2	0.6614	0.0000	OK
360 minute summer	Pond Outlet	504	-0.236	0.374	73.8	0.4228	0.0000	SURCHARGED
360 minute summer	S13	496	-0.236	0.402	0.3	1.3921	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	0.714	0.214	12.9	20.3172	0.0000	OK
360 minute summer	PP-S25	224	0.714	0.214	12.2	17.7388	0.0000	OK
360 minute summer	PP-S16	224	0.714	0.214	17.4	28.6273	0.0000	OK
360 minute summer	PP-S145	224	0.712	0.212	18.3	29.5545	0.0000	OK
360 minute summer	PP-S4	224	0.707	0.207	14.0	25.7444	0.0000	OK
360 minute summer	PP-S1	224	0.709	0.209	29.9	70.7013	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	38.3	0.242	0.549	6.8745	
360 minute summer	S79	9.003	S30	50.9	0.321	0.708	7.6907	
360 minute summer	S30	1.007	S33	122.8	0.775	1.726	5.0209	
360 minute summer	S31	10.000	S32	13.5	0.155	0.192	13.6740	
360 minute summer	S32	10.001	S33	25.5	0.161	0.356	13.6740	
360 minute summer	S33	1.008	S34	126.5	0.799	1.794	5.1108	
360 minute summer	S34	1.009	S35	129.8	0.819	1.827	8.5103	
360 minute summer	S35	1.010	S37	130.4	0.823	1.962	1.7947	
360 minute summer	S36	11.000	S37	5.2	0.033	0.073	9.1184	
360 minute summer	S37	1.011	S38	147.2	0.929	2.084	14.3287	
360 minute summer	S38	1.012	S39	147.2	0.929	2.061	14.3287	
360 minute summer	S39	1.013	S57	147.2	0.929	2.324	1.1814	
360 minute summer	S56	12.011	S57	-0.6	-0.152	-0.009	2.0645	
360 minute summer	S57	1.014	S127	147.2	0.929	2.082	4.4483	
360 minute summer	S125	21.003	S127	-1.8	-0.173	-0.026	7.8131	
360 minute summer	S127	1.015	S60	147.2	0.931	2.067	4.3097	
360 minute summer	S119	22.003	S60	-1.0	-0.092	-0.014	7.3769	
360 minute summer	S60	1.016	Pond Inlet 1	147.2	1.068	1.944	4.2772	
360 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	73.8	0.023	0.002	1996.1539	
360 minute summer	Pond Outlet	1.018	S13	0.3	0.184	0.004	0.4779	
360 minute summer	S13	Pump	Final Outfall	0.0				0.0
360 minute summer	PP-S26	1.000_1	S26	9.7	0.553	0.253	0.3940	
360 minute summer	PP-S25	2.000_1	S25	14.2	0.679	0.248	0.1970	
360 minute summer	PP-S16	3.000_1	S16	20.3	0.887	0.300	0.1970	
360 minute summer	PP-S145	4.000_2	S145	25.7	1.088	0.304	0.1964	
360 minute summer	PP-S4	1.000_2	S4	-8.6	0.760	-0.151	0.1951	
360 minute summer	PP-S1	4.000_1	S1	17.7	1.115	0.266	0.1957	

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Results for 100 year +40% CC 360 minute summer. 1800 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
360 minute summer	PP-S5	224	0.707	0.207	16.4	31.2930	0.0000	OK
360 minute summer	PP-S12	224	0.705	0.205	13.2	20.6614	0.0000	OK
360 minute summer	PP-S14	240	0.698	0.198	40.8	102.2805	0.0000	OK
360 minute summer	PP-S2	224	0.706	0.206	13.3	21.7743	0.0000	OK
360 minute summer	PP-S15	224	0.705	0.205	10.3	11.3119	0.0000	OK
360 minute summer	PP-S75	216	0.704	0.204	11.1	12.3860	0.0000	OK
360 minute summer	PP-S24	216	0.701	0.201	20.0	26.3184	0.0000	OK
360 minute summer	PP-S30	208	0.669	0.169	10.2	9.4134	0.0000	OK
360 minute summer	PP-S33	208	0.627	0.127	8.2	6.9097	0.0000	OK
360 minute summer	PP-S34	200	0.565	0.065	6.8	5.5095	0.0000	OK
360 minute summer	PP-S35	192	0.514	0.014	1.0	0.2472	0.0000	OK
360 minute summer	PP-S36	192	0.532	0.032	5.3	1.0829	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	22.0	1.030	0.297	0.1951	
360 minute summer	PP-S12	8.000_1	S12	16.0	0.883	0.176	0.1945	
360 minute summer	PP-S14	11.000_1	S14	-40.6	-1.328	-0.490	0.1920	
360 minute summer	PP-S2	10.000_1	S2	22.4	0.969	0.245	0.1946	
360 minute summer	PP-S15	12.000_1	S15	12.6	0.959	0.134	0.1943	
360 minute summer	PP-S75	13.000_1	S75	27.5	0.974	0.278	0.1940	
360 minute summer	PP-S24	14.000_1	S92	-12.0	1.307	-0.117	0.1929	
360 minute summer	PP-S30	18.000_1	S30	16.4	1.047	0.148	0.1795	
360 minute summer	PP-S33	20.000_1	S33	5.3	1.119	0.047	0.1570	
360 minute summer	PP-S34	21.000_1	S34	7.8	1.381	0.066	0.1233	
360 minute summer	PP-S35	22.000_2	S35	1.0	0.818	0.008	0.1021	
360 minute summer	PP-S36	23.000_2	S36	5.3	1.296	0.044	0.1010	

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Results for 100 year +40% CC 360 minute winter. 1800 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
360 minute winter	S26	240	0.717	0.955	19.8	1.6867	0.0000	SURCHARGED
360 minute winter	S25	240	0.717	0.961	14.1	2.4445	0.0000	SURCHARGED
360 minute winter	S16	240	0.716	0.983	34.5	4.3608	0.0000	SURCHARGED
360 minute winter	S145	240	0.715	1.030	30.5	4.4335	0.0000	SURCHARGED
360 minute winter	S4	240	0.710	0.953	18.0	1.6845	0.0000	SURCHARGED
360 minute winter	S5	240	0.710	0.994	22.8	1.7567	0.0000	SURCHARGED
360 minute winter	S9	240	0.710	1.006	11.4	2.3173	0.0000	SURCHARGED
360 minute winter	S10	240	0.710	1.031	11.9	1.8214	0.0000	SURCHARGED
360 minute winter	S11	240	0.710	1.036	20.4	1.8302	0.0000	SURCHARGED
360 minute winter	S12	240	0.710	1.045	27.0	1.8458	0.0000	SURCHARGED
360 minute winter	S1	240	0.712	0.976	21.1	2.2975	0.0000	SURCHARGED
360 minute winter	S3	240	0.711	1.018	20.3	3.2554	0.0000	SURCHARGED
360 minute winter	S2	240	0.710	1.046	27.7	1.8481	0.0000	SURCHARGED
360 minute winter	S14	248	0.710	1.019	30.0	1.7998	0.0000	SURCHARGED
360 minute winter	S15	240	0.709	1.055	66.3	4.7498	0.0000	SURCHARGED
360 minute winter	S75	240	0.708	1.070	92.1	2.7229	0.0000	SURCHARGED
360 minute winter	S87	224	0.708	0.994	9.4	3.2245	0.0000	SURCHARGED
360 minute winter	S88	224	0.708	1.016	18.9	3.3126	0.0000	SURCHARGED
360 minute winter	S89	224	0.707	1.037	28.4	3.3610	0.0000	SURCHARGED
360 minute winter	S90	232	0.705	1.057	37.7	3.3680	0.0000	SURCHARGED
360 minute winter	S92	232	0.702	1.081	101.7	2.7523	0.0000	SURCHARGED
360 minute winter	S81	224	0.697	0.999	9.4	3.2250	0.0000	SURCHARGED
360 minute winter	S82	224	0.697	1.021	18.9	3.3139	0.0000	SURCHARGED
360 minute winter	S83	224	0.696	1.041	28.4	3.3598	0.0000	SURCHARGED
360 minute winter	S84	224	0.694	1.061	37.7	3.3653	0.0000	SURCHARGED
360 minute winter	S86	224	0.690	1.083	109.1	2.7564	0.0000	SURCHARGED
360 minute winter	S76	216	0.673	0.990	9.4	3.1825	0.0000	SURCHARGED
360 minute winter	S77	216	0.673	1.012	18.9	3.2707	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	10.1	0.064	0.142	9.2005	
360 minute winter	S25	2.000	S16	13.8	0.087	0.196	7.3393	
360 minute winter	S16	1.001	S145	22.7	0.165	0.319	15.0038	
360 minute winter	S145	1.002	S75	27.8	0.213	0.394	15.0038	
360 minute winter	S4	3.000	S5	10.5	0.097	0.149	13.1095	
360 minute winter	S5	3.001	S11	19.9	0.126	0.279	13.1095	
360 minute winter	S9	4.000	S10	11.9	0.143	0.169	8.0648	
360 minute winter	S10	4.001	S11	6.9	0.163	0.091	1.3780	
360 minute winter	S11	3.002	S12	23.9	0.151	0.338	2.8740	
360 minute winter	S12	3.003	S15	26.4	0.167	0.384	3.6838	
360 minute winter	S1	5.000	S3	18.7	0.118	0.263	13.5151	
360 minute winter	S3	5.001	S2	17.6	0.186	0.249	9.1848	
360 minute winter	S2	5.002	S15	24.1	0.152	0.353	3.4165	
360 minute winter	S14	6.000	S15	-30.0	-0.189	-0.426	11.8707	
360 minute winter	S15	3.004	S75	65.3	0.412	0.912	4.9661	
360 minute winter	S75	1.003	S92	90.7	0.573	1.275	5.3380	
360 minute winter	S87	7.000	S88	9.5	0.135	0.133	6.8747	
360 minute winter	S88	7.001	S89	18.7	0.177	0.263	6.8747	
360 minute winter	S89	7.002	S90	28.3	0.199	0.396	6.8747	
360 minute winter	S90	7.003	S92	37.5	0.262	0.532	8.6413	
360 minute winter	S92	1.005	S86	102.3	0.646	1.440	4.4095	
360 minute winter	S81	8.000	S82	9.2	0.134	0.129	6.8747	
360 minute winter	S82	8.001	S83	18.7	0.174	0.269	6.8747	
360 minute winter	S83	8.002	S84	28.3	0.201	0.396	6.8747	
360 minute winter	S84	8.003	S86	37.5	0.248	0.528	8.1975	
360 minute winter	S86	1.006	S30	109.2	0.689	1.539	4.4165	
360 minute winter	S76	9.000	S77	9.2	0.135	0.129	6.8747	
360 minute winter	S77	9.001	S78	18.7	0.175	0.263	6.8747	

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Results for 100 year +40% CC 360 minute winter. 1800 minute analysis at 8 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute winter	S78	224	0.672	1.033	28.4	3.3190	0.0000	SURCHARGED
360 minute winter	S79	224	0.670	1.052	37.7	3.3226	0.0000	SURCHARGED
360 minute winter	S30	224	0.666	1.073	119.2	2.7311	0.0000	SURCHARGED
360 minute winter	S31	224	0.620	0.956	10.2	3.1665	0.0000	SURCHARGED
360 minute winter	S32	224	0.620	0.999	18.9	3.0841	0.0000	SURCHARGED
360 minute winter	S33	224	0.618	1.041	126.2	2.6503	0.0000	SURCHARGED
360 minute winter	S34	224	0.555	0.994	129.2	1.7569	0.0000	SURCHARGED
360 minute winter	S35	216	0.454	0.920	129.7	1.6258	0.0000	SURCHARGED
360 minute winter	S36	216	0.420	0.862	4.1	1.5227	0.0000	SURCHARGED
360 minute winter	S37	216	0.420	0.891	144.8	4.3785	0.0000	SURCHARGED
360 minute winter	S38	216	0.214	0.730	144.7	1.2908	0.0000	SURCHARGED
360 minute winter	S39	224	0.010	0.572	144.7	1.0111	0.0000	SURCHARGED
360 minute winter	S56	224	-0.026	0.533	0.6	0.9419	0.0000	SURCHARGED
360 minute winter	S57	224	-0.026	0.539	144.7	1.3719	0.0000	SURCHARGED
360 minute winter	S125	224	-0.103	0.452	2.0	0.7990	0.0000	SURCHARGED
360 minute winter	S127	224	-0.103	0.476	144.7	1.2119	0.0000	SURCHARGED
360 minute winter	S119	352	-0.163	0.406	2.2	0.7168	0.0000	OK
360 minute winter	S60	352	-0.163	0.430	144.6	1.0936	0.0000	OK
360 minute winter	Pond Inlet 1	480	-0.197	0.413	144.5	0.7303	0.0000	OK
360 minute winter	Pond Outlet	496	-0.198	0.412	72.4	0.4664	0.0000	SURCHARGED
360 minute winter	S13	496	-0.198	0.440	0.4	1.5254	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	0.717	0.217	7.7	20.6187	0.0000	OK
360 minute winter	PP-S25	240	0.717	0.217	6.7	18.0006	0.0000	OK
360 minute winter	PP-S16	240	0.717	0.217	10.4	29.1109	0.0000	OK
360 minute winter	PP-S145	240	0.715	0.215	10.4	30.1342	0.0000	OK
360 minute winter	PP-S4	240	0.710	0.210	8.9	26.2412	0.0000	OK
360 minute winter	PP-S1	240	0.712	0.212	22.5	71.8739	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	28.3	0.203	0.406	6.8745	
360 minute winter	S79	9.003	S30	37.5	0.237	0.521	7.6907	
360 minute winter	S30	1.007	S33	119.3	0.753	1.676	5.0209	
360 minute winter	S31	10.000	S32	10.0	0.150	0.142	13.6740	
360 minute winter	S32	10.001	S33	18.7	0.199	0.262	13.6740	
360 minute winter	S33	1.008	S34	126.2	0.797	1.789	5.1108	
360 minute winter	S34	1.009	S35	129.2	0.816	1.819	8.5103	
360 minute winter	S35	1.010	S37	129.8	0.819	1.953	1.7947	
360 minute winter	S36	11.000	S37	4.1	-0.058	0.057	9.1184	
360 minute winter	S37	1.011	S38	144.7	0.914	2.048	14.3287	
360 minute winter	S38	1.012	S39	144.7	0.913	2.025	14.3287	
360 minute winter	S39	1.013	S57	144.7	0.913	2.284	1.1814	
360 minute winter	S56	12.011	S57	-0.6	-0.025	-0.008	2.0645	
360 minute winter	S57	1.014	S127	144.7	0.913	2.045	4.4483	
360 minute winter	S125	21.003	S127	-2.0	-0.094	-0.029	7.8133	
360 minute winter	S127	1.015	S60	144.6	0.917	2.030	4.3525	
360 minute winter	S119	22.003	S60	-2.2	-0.133	-0.031	7.5566	
360 minute winter	S60	1.016	Pond Inlet 1	144.5	1.051	1.908	4.5423	
360 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	72.4	0.025	0.001	2216.5537	
360 minute winter	Pond Outlet	1.018	S13	0.4	0.193	0.006	0.4779	
360 minute winter	S13	Pump	Final Outfall	0.0				0.0
360 minute winter	PP-S26	1.000_1	S26	11.2	0.560	0.291	0.3952	
360 minute winter	PP-S25	2.000_1	S25	12.5	0.638	0.217	0.1976	
360 minute winter	PP-S16	3.000_1	S16	13.0	0.846	0.193	0.1976	
360 minute winter	PP-S145	4.000_2	S145	6.6	1.042	0.079	0.1972	
360 minute winter	PP-S4	1.000_2	S4	18.0	0.730	0.317	0.1960	
360 minute winter	PP-S1	4.000_1	S1	20.4	1.054	0.308	0.1966	

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Results for 100 year +40% CC 360 minute winter. 1800 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
360 minute winter	PP-S5	240	0.710	0.210	10.8	31.9660	0.0000	OK
360 minute winter	PP-S12	240	0.710	0.210	8.5	21.1438	0.0000	OK
360 minute winter	PP-S14	248	0.709	0.209	30.0	109.5722	0.0000	OK
360 minute winter	PP-S2	240	0.710	0.210	13.8	22.2667	0.0000	OK
360 minute winter	PP-S15	240	0.709	0.209	3.4	11.5930	0.0000	OK
360 minute winter	PP-S75	240	0.708	0.208	9.9	12.6649	0.0000	OK
360 minute winter	PP-S24	232	0.703	0.203	9.0	26.6756	0.0000	OK
360 minute winter	PP-S30	224	0.666	0.166	3.7	9.2358	0.0000	OK
360 minute winter	PP-S33	224	0.618	0.118	3.8	6.3809	0.0000	OK
360 minute winter	PP-S34	216	0.553	0.053	5.3	3.7797	0.0000	OK
360 minute winter	PP-S35	200	0.513	0.013	0.8	0.2075	0.0000	OK
360 minute winter	PP-S36	192	0.529	0.029	4.1	0.8554	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	12.2	0.987	0.165	0.1961	
360 minute winter	PP-S12	8.000_1	S12	16.9	0.921	0.185	0.1958	
360 minute winter	PP-S14	11.000_1	S14	-29.9	1.317	-0.361	0.1958	
360 minute winter	PP-S2	10.000_1	S2	16.2	0.971	0.177	0.1959	
360 minute winter	PP-S15	12.000_1	S15	18.7	0.911	0.198	0.1957	
360 minute winter	PP-S75	13.000_1	S75	-9.5	0.932	-0.097	0.1953	
360 minute winter	PP-S24	14.000_1	S92	10.6	1.249	0.104	0.1937	
360 minute winter	PP-S30	18.000_1	S30	8.1	0.996	0.072	0.1780	
360 minute winter	PP-S33	20.000_1	S33	4.6	1.066	0.040	0.1523	
360 minute winter	PP-S34	21.000_1	S34	6.7	1.322	0.057	0.1173	
360 minute winter	PP-S35	22.000_2	S35	0.8	0.779	0.006	0.1017	
360 minute winter	PP-S36	23.000_2	S36	4.1	1.277	0.034	0.0910	

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Results for 100 year +40% CC 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	288	0.675	0.913	6.4	1.6136	0.0000	SURCHARGED
480 minute summer	S25	288	0.675	0.919	11.0	2.3392	0.0000	SURCHARGED
480 minute summer	S16	288	0.675	0.942	19.2	4.1772	0.0000	SURCHARGED
480 minute summer	S145	288	0.673	0.988	37.5	4.2541	0.0000	SURCHARGED
480 minute summer	S4	280	0.669	0.912	13.0	1.6111	0.0000	SURCHARGED
480 minute summer	S5	280	0.669	0.953	31.3	1.6831	0.0000	SURCHARGED
480 minute summer	S9	280	0.668	0.964	11.8	2.2208	0.0000	SURCHARGED
480 minute summer	S10	280	0.668	0.989	9.4	1.7473	0.0000	SURCHARGED
480 minute summer	S11	280	0.668	0.994	20.6	1.7562	0.0000	SURCHARGED
480 minute summer	S12	280	0.668	1.003	35.4	1.7717	0.0000	SURCHARGED
480 minute summer	S1	280	0.670	0.934	18.1	2.1995	0.0000	SURCHARGED
480 minute summer	S3	280	0.669	0.976	18.3	3.1222	0.0000	SURCHARGED
480 minute summer	S2	280	0.668	1.004	34.5	1.7742	0.0000	SURCHARGED
480 minute summer	S14	288	0.664	0.973	25.4	1.7192	0.0000	SURCHARGED
480 minute summer	S15	280	0.667	1.013	87.9	4.5610	0.0000	SURCHARGED
480 minute summer	S75	280	0.667	1.029	101.9	2.6183	0.0000	SURCHARGED
480 minute summer	S87	280	0.667	0.953	10.0	3.0902	0.0000	SURCHARGED
480 minute summer	S88	280	0.666	0.974	20.1	3.1777	0.0000	SURCHARGED
480 minute summer	S89	280	0.666	0.996	30.2	3.2277	0.0000	SURCHARGED
480 minute summer	S90	280	0.665	1.017	40.0	3.2377	0.0000	SURCHARGED
480 minute summer	S92	280	0.662	1.041	100.9	2.6483	0.0000	SURCHARGED
480 minute summer	S81	272	0.656	0.958	10.0	3.0930	0.0000	SURCHARGED
480 minute summer	S82	272	0.656	0.980	20.1	3.1811	0.0000	SURCHARGED
480 minute summer	S83	272	0.655	1.000	30.2	3.2278	0.0000	SURCHARGED
480 minute summer	S84	272	0.653	1.020	40.0	3.2358	0.0000	SURCHARGED
480 minute summer	S86	272	0.649	1.042	108.9	2.6527	0.0000	SURCHARGED
480 minute summer	S76	264	0.635	0.952	10.0	3.0608	0.0000	SURCHARGED
480 minute summer	S77	264	0.635	0.974	20.2	3.1483	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	-6.4	0.043	-0.091	9.2005	
480 minute summer	S25	2.000	S16	7.2	0.046	0.103	7.3393	
480 minute summer	S16	1.001	S145	27.2	0.172	0.382	15.0038	
480 minute summer	S145	1.002	S75	36.1	0.228	0.512	15.0038	
480 minute summer	S4	3.000	S5	12.1	0.089	0.172	13.1095	
480 minute summer	S5	3.001	S11	20.0	0.126	0.280	13.1095	
480 minute summer	S9	4.000	S10	-11.3	0.125	-0.161	8.0648	
480 minute summer	S10	4.001	S11	8.1	0.111	0.106	1.3780	
480 minute summer	S11	3.002	S12	29.7	0.188	0.421	2.8740	
480 minute summer	S12	3.003	S15	23.9	0.151	0.347	3.6838	
480 minute summer	S1	5.000	S3	16.7	0.107	0.235	13.5151	
480 minute summer	S3	5.001	S2	25.1	0.168	0.354	9.1848	
480 minute summer	S2	5.002	S15	29.7	0.187	0.436	3.4165	
480 minute summer	S14	6.000	S15	-25.4	-0.160	-0.361	11.8707	
480 minute summer	S15	3.004	S75	66.2	0.418	0.925	4.9661	
480 minute summer	S75	1.003	S92	93.9	0.593	1.320	5.3380	
480 minute summer	S87	7.000	S88	9.8	0.136	0.137	6.8747	
480 minute summer	S88	7.001	S89	19.9	0.168	0.279	6.8747	
480 minute summer	S89	7.002	S90	30.0	0.192	0.421	6.8747	
480 minute summer	S90	7.003	S92	39.8	0.251	0.565	8.6413	
480 minute summer	S92	1.005	S86	103.7	0.654	1.459	4.4095	
480 minute summer	S81	8.000	S82	9.8	0.135	0.138	6.8747	
480 minute summer	S82	8.001	S83	19.9	0.166	0.286	6.8747	
480 minute summer	S83	8.002	S84	30.0	0.192	0.420	6.8747	
480 minute summer	S84	8.003	S86	39.8	0.251	0.560	8.1975	
480 minute summer	S86	1.006	S30	110.1	0.695	1.552	4.4165	
480 minute summer	S76	9.000	S77	9.9	0.136	0.138	6.8747	
480 minute summer	S77	9.001	S78	19.9	0.168	0.279	6.8747	

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Results for 100 year +40% CC 480 minute summer. 1920 minute analysis at 8 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute summer	S78	264	0.634	0.995	30.2	3.1970	0.0000	SURCHARGED
480 minute summer	S79	264	0.631	1.013	40.0	3.2006	0.0000	SURCHARGED
480 minute summer	S30	272	0.627	1.034	117.3	2.6318	0.0000	SURCHARGED
480 minute summer	S31	264	0.586	0.922	10.8	3.0547	0.0000	SURCHARGED
480 minute summer	S32	264	0.586	0.965	20.1	2.9795	0.0000	SURCHARGED
480 minute summer	S33	264	0.584	1.007	123.5	2.5628	0.0000	SURCHARGED
480 minute summer	S34	264	0.525	0.964	126.5	1.7041	0.0000	SURCHARGED
480 minute summer	S35	256	0.431	0.897	127.0	1.5853	0.0000	SURCHARGED
480 minute summer	S36	256	0.400	0.842	4.3	1.4870	0.0000	SURCHARGED
480 minute summer	S37	256	0.399	0.870	143.3	4.2791	0.0000	SURCHARGED
480 minute summer	S38	256	0.198	0.714	143.3	1.2618	0.0000	SURCHARGED
480 minute summer	S39	264	-0.003	0.559	143.3	0.9880	0.0000	SURCHARGED
480 minute summer	S56	264	-0.038	0.521	0.5	0.9200	0.0000	SURCHARGED
480 minute summer	S57	264	-0.038	0.527	143.3	1.3403	0.0000	SURCHARGED
480 minute summer	S125	264	-0.113	0.442	2.1	0.7805	0.0000	OK
480 minute summer	S127	264	-0.113	0.466	143.2	1.1853	0.0000	SURCHARGED
480 minute summer	S119	272	-0.183	0.386	2.3	0.6824	0.0000	OK
480 minute summer	S60	272	-0.183	0.410	143.2	1.0439	0.0000	OK
480 minute summer	Pond Inlet 1	568	-0.217	0.393	143.0	0.6948	0.0000	OK
480 minute summer	Pond Outlet	576	-0.217	0.393	71.7	0.4445	0.0000	SURCHARGED
480 minute summer	S13	896	-0.217	0.421	0.2	1.4584	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	0.675	0.175	9.4	16.0439	0.0000	OK
480 minute summer	PP-S25	288	0.675	0.175	8.2	14.0742	0.0000	OK
480 minute summer	PP-S16	288	0.675	0.175	12.2	21.9931	0.0000	OK
480 minute summer	PP-S145	288	0.673	0.173	13.0	22.6373	0.0000	OK
480 minute summer	PP-S4	280	0.669	0.169	10.9	19.6996	0.0000	OK
480 minute summer	PP-S1	280	0.670	0.170	22.9	56.9363	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	30.0	0.190	0.431	6.8745	
480 minute summer	S79	9.003	S30	39.8	0.251	0.553	7.6907	
480 minute summer	S30	1.007	S33	117.4	0.741	1.649	5.0209	
480 minute summer	S31	10.000	S32	10.6	0.147	0.150	13.6740	
480 minute summer	S32	10.001	S33	19.9	0.147	0.278	13.6740	
480 minute summer	S33	1.008	S34	123.6	0.780	1.753	5.1108	
480 minute summer	S34	1.009	S35	126.6	0.799	1.782	8.5103	
480 minute summer	S35	1.010	S37	127.1	0.802	1.913	1.7947	
480 minute summer	S36	11.000	S37	4.2	-0.039	0.059	9.1184	
480 minute summer	S37	1.011	S38	143.3	0.904	2.028	14.3287	
480 minute summer	S38	1.012	S39	143.3	0.904	2.005	14.3287	
480 minute summer	S39	1.013	S57	143.3	0.904	2.261	1.1814	
480 minute summer	S56	12.011	S57	-0.5	-0.063	-0.008	2.0645	
480 minute summer	S57	1.014	S127	143.2	0.904	2.025	4.4483	
480 minute summer	S125	21.003	S127	-2.1	-0.116	-0.031	7.7982	
480 minute summer	S127	1.015	S60	143.2	0.911	2.010	4.2926	
480 minute summer	S119	22.003	S60	-2.3	-0.116	-0.033	7.3099	
480 minute summer	S60	1.016	Pond Inlet 1	143.0	1.047	1.889	4.3026	
480 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	71.7	0.021	0.001	2105.2610	
480 minute summer	Pond Outlet	1.018	S13	0.2	0.175	0.003	0.4779	
480 minute summer	S13	Pump	Final Outfall	0.0				0.0
480 minute summer	PP-S26	1.000_1	S26	-6.2	0.547	-0.162	0.3649	
480 minute summer	PP-S25	2.000_1	S25	-5.7	0.700	-0.100	0.1824	
480 minute summer	PP-S16	3.000_1	S16	-7.3	0.850	-0.108	0.1824	
480 minute summer	PP-S145	4.000_2	S145	-12.0	1.042	-0.142	0.1814	
480 minute summer	PP-S4	1.000_2	S4	13.0	0.730	0.228	0.1793	
480 minute summer	PP-S1	4.000_1	S1	17.5	1.025	0.265	0.1801	

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Results for 100 year +40% CC 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	280	0.669	0.169	12.5	23.6372	0.0000	OK
480 minute summer	PP-S12	280	0.668	0.168	10.9	16.4731	0.0000	OK
480 minute summer	PP-S14	304	0.661	0.161	25.5	78.5967	0.0000	OK
480 minute summer	PP-S2	280	0.668	0.168	11.6	17.5380	0.0000	OK
480 minute summer	PP-S15	280	0.667	0.167	4.6	9.0827	0.0000	OK
480 minute summer	PP-S75	280	0.667	0.167	5.9	9.9772	0.0000	OK
480 minute summer	PP-S24	280	0.662	0.162	12.6	20.2177	0.0000	OK
480 minute summer	PP-S30	272	0.627	0.127	4.6	6.8890	0.0000	OK
480 minute summer	PP-S33	264	0.584	0.084	4.2	4.2304	0.0000	OK
480 minute summer	PP-S34	248	0.533	0.033	5.7	1.4641	0.0000	OK
480 minute summer	PP-S35	248	0.513	0.013	0.9	0.2191	0.0000	OK
480 minute summer	PP-S36	248	0.529	0.029	4.4	0.8897	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	19.1	0.987	0.258	0.1793	
480 minute summer	PP-S12	8.000_1	S12	23.6	0.849	0.260	0.1788	
480 minute summer	PP-S14	11.000_1	S14	25.4	1.264	0.307	0.1753	
480 minute summer	PP-S2	10.000_1	S2	16.9	0.932	0.186	0.1790	
480 minute summer	PP-S15	12.000_1	S15	13.3	0.911	0.141	0.1786	
480 minute summer	PP-S75	13.000_1	S75	21.1	0.932	0.214	0.1783	
480 minute summer	PP-S24	14.000_1	S92	14.7	1.250	0.143	0.1758	
480 minute summer	PP-S30	18.000_1	S30	6.3	0.996	0.056	0.1572	
480 minute summer	PP-S33	20.000_1	S33	3.9	1.065	0.034	0.1330	
480 minute summer	PP-S34	21.000_1	S34	5.5	1.321	0.046	0.1084	
480 minute summer	PP-S35	22.000_2	S35	0.9	0.779	0.007	0.0997	
480 minute summer	PP-S36	23.000_2	S36	4.3	1.290	0.036	0.0822	

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Results for 100 year +40% CC 480 minute winter. 1920 minute analysis at 8 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
480 minute winter	S26	304	0.660	0.898	11.2	1.5869	0.0000	SURCHARGED
480 minute winter	S25	304	0.660	0.904	11.1	2.3008	0.0000	SURCHARGED
480 minute winter	S16	304	0.660	0.927	26.1	4.1104	0.0000	SURCHARGED
480 minute winter	S145	304	0.658	0.973	29.7	4.1916	0.0000	SURCHARGED
480 minute winter	S4	304	0.655	0.898	13.1	1.5873	0.0000	SURCHARGED
480 minute winter	S5	304	0.655	0.939	22.2	1.6596	0.0000	SURCHARGED
480 minute winter	S9	304	0.655	0.951	3.9	2.1909	0.0000	SURCHARGED
480 minute winter	S10	304	0.655	0.976	9.0	1.7244	0.0000	SURCHARGED
480 minute winter	S11	304	0.655	0.981	17.1	1.7332	0.0000	SURCHARGED
480 minute winter	S12	304	0.655	0.990	20.4	1.7489	0.0000	SURCHARGED
480 minute winter	S1	368	0.660	0.924	17.3	2.1763	0.0000	SURCHARGED
480 minute winter	S3	304	0.656	0.963	21.3	3.0797	0.0000	SURCHARGED
480 minute winter	S2	304	0.655	0.991	22.5	1.7512	0.0000	SURCHARGED
480 minute winter	S14	312	0.655	0.964	22.3	1.7033	0.0000	SURCHARGED
480 minute winter	S15	304	0.655	1.001	73.4	4.5033	0.0000	SURCHARGED
480 minute winter	S75	304	0.653	1.015	94.0	2.5821	0.0000	SURCHARGED
480 minute winter	S87	288	0.651	0.937	7.5	3.0385	0.0000	SURCHARGED
480 minute winter	S88	288	0.650	0.958	15.1	3.1256	0.0000	SURCHARGED
480 minute winter	S89	288	0.650	0.980	22.7	3.1757	0.0000	SURCHARGED
480 minute winter	S90	288	0.648	1.000	30.1	3.1862	0.0000	SURCHARGED
480 minute winter	S92	296	0.646	1.025	100.7	2.6074	0.0000	SURCHARGED
480 minute winter	S81	288	0.637	0.939	7.5	3.0320	0.0000	SURCHARGED
480 minute winter	S82	288	0.637	0.961	15.1	3.1199	0.0000	SURCHARGED
480 minute winter	S83	288	0.636	0.981	22.7	3.1674	0.0000	SURCHARGED
480 minute winter	S84	288	0.635	1.002	30.1	3.1775	0.0000	SURCHARGED
480 minute winter	S86	288	0.632	1.025	111.7	2.6077	0.0000	SURCHARGED
480 minute winter	S76	280	0.612	0.929	7.5	2.9873	0.0000	SURCHARGED
480 minute winter	S77	280	0.612	0.951	15.1	3.0747	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	10.0	0.063	0.142	9.2005	
480 minute winter	S25	2.000	S16	15.1	0.096	0.214	7.3393	
480 minute winter	S16	1.001	S145	24.4	0.158	0.342	15.0038	
480 minute winter	S145	1.002	S75	32.6	0.206	0.462	15.0038	
480 minute winter	S4	3.000	S5	9.2	0.093	0.130	13.1095	
480 minute winter	S5	3.001	S11	17.1	0.118	0.239	13.1095	
480 minute winter	S9	4.000	S10	3.9	0.126	0.056	8.0648	
480 minute winter	S10	4.001	S11	-7.3	0.102	-0.096	1.3780	
480 minute winter	S11	3.002	S12	13.7	0.086	0.194	2.8740	
480 minute winter	S12	3.003	S15	18.9	0.120	0.275	3.6838	
480 minute winter	S1	5.000	S3	19.8	0.125	0.279	13.5151	
480 minute winter	S3	5.001	S2	15.1	0.174	0.213	9.1848	
480 minute winter	S2	5.002	S15	23.9	0.151	0.351	3.4165	
480 minute winter	S14	6.000	S15	-19.3	-0.122	-0.274	11.8707	
480 minute winter	S15	3.004	S75	66.9	0.422	0.935	4.9661	
480 minute winter	S75	1.003	S92	91.0	0.574	1.279	5.3380	
480 minute winter	S87	7.000	S88	7.4	0.127	0.104	6.8747	
480 minute winter	S88	7.001	S89	15.0	0.168	0.210	6.8747	
480 minute winter	S89	7.002	S90	22.6	0.200	0.317	6.8747	
480 minute winter	S90	7.003	S92	30.0	0.217	0.426	8.6413	
480 minute winter	S92	1.005	S86	101.8	0.643	1.433	4.4095	
480 minute winter	S81	8.000	S82	7.4	0.126	0.104	6.8747	
480 minute winter	S82	8.001	S83	15.0	0.165	0.216	6.8747	
480 minute winter	S83	8.002	S84	22.6	0.194	0.317	6.8747	
480 minute winter	S84	8.003	S86	30.0	0.226	0.423	8.1975	
480 minute winter	S86	1.006	S30	106.8	0.674	1.505	4.4165	
480 minute winter	S76	9.000	S77	7.4	0.127	0.104	6.8747	
480 minute winter	S77	9.001	S78	15.0	0.165	0.211	6.8747	

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Results for 100 year +40% CC 480 minute winter. 1920 minute analysis at 8 minute timestep. Mass balance: 99.91%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute winter	S78	280	0.611	0.972	22.7	3.1249	0.0000	SURCHARGED
480 minute winter	S79	280	0.610	0.992	30.2	3.1322	0.0000	SURCHARGED
480 minute winter	S30	280	0.606	1.013	116.0	2.5783	0.0000	SURCHARGED
480 minute winter	S31	280	0.561	0.897	8.1	2.9716	0.0000	SURCHARGED
480 minute winter	S32	280	0.561	0.940	15.1	2.9024	0.0000	SURCHARGED
480 minute winter	S33	280	0.560	0.983	122.2	2.5006	0.0000	SURCHARGED
480 minute winter	S34	280	0.499	0.938	125.1	1.6575	0.0000	SURCHARGED
480 minute winter	S35	280	0.402	0.868	125.6	1.5345	0.0000	SURCHARGED
480 minute winter	S36	272	0.370	0.812	3.3	1.4339	0.0000	SURCHARGED
480 minute winter	S37	272	0.369	0.840	139.5	4.1317	0.0000	SURCHARGED
480 minute winter	S38	280	0.179	0.695	139.5	1.2286	0.0000	SURCHARGED
480 minute winter	S39	288	-0.011	0.551	139.5	0.9741	0.0000	SURCHARGED
480 minute winter	S56	288	-0.044	0.515	0.5	0.9096	0.0000	SURCHARGED
480 minute winter	S57	288	-0.044	0.521	139.5	1.3254	0.0000	SURCHARGED
480 minute winter	S125	296	-0.115	0.440	1.6	0.7783	0.0000	OK
480 minute winter	S127	296	-0.115	0.464	139.5	1.1820	0.0000	SURCHARGED
480 minute winter	S119	392	-0.165	0.404	1.5	0.7146	0.0000	OK
480 minute winter	S60	392	-0.165	0.428	139.4	1.0903	0.0000	OK
480 minute winter	Pond Inlet 1	656	-0.176	0.434	139.3	0.7668	0.0000	OK
480 minute winter	Pond Outlet	560	-0.177	0.433	69.8	0.4900	0.0000	SURCHARGED
480 minute winter	S13	560	-0.177	0.461	0.2	1.5979	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	304	0.660	0.160	5.0	14.3657	0.0000	OK
480 minute winter	PP-S25	304	0.660	0.160	4.6	12.6386	0.0000	OK
480 minute winter	PP-S16	304	0.660	0.160	5.8	19.3917	0.0000	OK
480 minute winter	PP-S145	304	0.659	0.159	10.9	20.0084	0.0000	OK
480 minute winter	PP-S4	304	0.655	0.155	5.4	17.5720	0.0000	OK
480 minute winter	PP-S1	304	0.657	0.157	15.3	52.0841	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	22.7	0.185	0.325	6.8745	
480 minute winter	S79	9.003	S30	30.1	0.223	0.418	7.6907	
480 minute winter	S30	1.007	S33	114.4	0.722	1.607	5.0209	
480 minute winter	S31	10.000	S32	8.0	0.140	0.113	13.6740	
480 minute winter	S32	10.001	S33	15.0	0.168	0.210	13.6740	
480 minute winter	S33	1.008	S34	122.3	0.772	1.733	5.1108	
480 minute winter	S34	1.009	S35	125.2	0.790	1.762	8.5103	
480 minute winter	S35	1.010	S37	125.6	0.793	1.891	1.7947	
480 minute winter	S36	11.000	S37	3.2	-0.040	0.045	9.1184	
480 minute winter	S37	1.011	S38	139.5	0.880	1.974	14.3287	
480 minute winter	S38	1.012	S39	139.5	0.880	1.952	14.3287	
480 minute winter	S39	1.013	S57	139.5	0.880	2.201	1.1814	
480 minute winter	S56	12.011	S57	-0.5	-0.149	-0.007	2.0645	
480 minute winter	S57	1.014	S127	139.5	0.880	1.972	4.4483	
480 minute winter	S125	21.003	S127	-1.6	-0.168	-0.023	7.7943	
480 minute winter	S127	1.015	S60	139.4	0.890	1.957	4.3493	
480 minute winter	S119	22.003	S60	-1.5	-0.078	-0.021	7.5422	
480 minute winter	S60	1.016	Pond Inlet 1	139.3	1.028	1.840	4.6218	
480 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	69.8	0.023	0.001	2337.0320	
480 minute winter	Pond Outlet	1.018	S13	0.2	0.182	0.003	0.4779	
480 minute winter	S13	Pump	Final Outfall	0.0				0.0
480 minute winter	PP-S26	1.000_1	S26	11.2	0.519	0.291	0.3468	
480 minute winter	PP-S25	2.000_1	S25	11.1	0.630	0.193	0.1745	
480 minute winter	PP-S16	3.000_1	S16	12.4	0.840	0.183	0.1750	
480 minute winter	PP-S145	4.000_2	S145	-10.0	1.005	-0.119	0.1742	
480 minute winter	PP-S4	1.000_2	S4	11.7	0.723	0.205	0.1709	
480 minute winter	PP-S1	4.000_1	S1	16.5	1.082	0.249	0.1732	

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Results for 100 year +40% CC 480 minute winter. 1920 minute analysis at 8 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
480 minute winter	PP-S5	304	0.655	0.155	9.6	20.9686	0.0000	OK
480 minute winter	PP-S12	304	0.655	0.155	8.4	15.0312	0.0000	OK
480 minute winter	PP-S14	312	0.655	0.155	19.3	74.8645	0.0000	OK
480 minute winter	PP-S2	304	0.655	0.155	8.1	16.0632	0.0000	OK
480 minute winter	PP-S15	304	0.655	0.155	9.6	8.3147	0.0000	OK
480 minute winter	PP-S75	304	0.653	0.153	13.6	9.0448	0.0000	OK
480 minute winter	PP-S24	296	0.646	0.146	6.1	17.6664	0.0000	OK
480 minute winter	PP-S30	280	0.606	0.106	2.4	5.6267	0.0000	OK
480 minute winter	PP-S33	280	0.559	0.059	2.2	2.7066	0.0000	OK
480 minute winter	PP-S34	256	0.529	0.029	4.2	1.1437	0.0000	OK
480 minute winter	PP-S35	272	0.511	0.011	0.6	0.1630	0.0000	OK
480 minute winter	PP-S36	248	0.526	0.026	3.3	0.6941	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	13.0	0.978	0.176	0.1725	
480 minute winter	PP-S12	8.000_1	S12	8.9	0.819	0.098	0.1722	
480 minute winter	PP-S14	11.000_1	S14	22.3	1.260	0.269	0.1723	
480 minute winter	PP-S2	10.000_1	S2	9.7	0.909	0.106	0.1724	
480 minute winter	PP-S15	12.000_1	S15	19.9	0.879	0.211	0.1721	
480 minute winter	PP-S75	13.000_1	S75	-13.1	0.900	-0.132	0.1711	
480 minute winter	PP-S24	14.000_1	S92	7.6	1.207	0.074	0.1673	
480 minute winter	PP-S30	18.000_1	S30	3.0	0.957	0.027	0.1454	
480 minute winter	PP-S33	20.000_1	S33	2.6	1.026	0.023	0.1203	
480 minute winter	PP-S34	21.000_1	S34	4.2	1.273	0.035	0.1069	
480 minute winter	PP-S35	22.000_2	S35	0.6	0.759	0.005	0.0889	
480 minute winter	PP-S36	23.000_2	S36	3.3	1.220	0.027	0.0644	

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Results for 100 year +40% CC 600 minute summer. 2040 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
600 minute summer	S26	390	0.648	0.886	5.2	1.5657	0.0000	SURCHARGED
600 minute summer	S25	345	0.640	0.884	14.6	2.2487	0.0000	SURCHARGED
600 minute summer	S16	345	0.640	0.907	19.8	4.0195	0.0000	SURCHARGED
600 minute summer	S145	345	0.638	0.953	37.9	4.1039	0.0000	SURCHARGED
600 minute summer	S4	375	0.672	0.915	7.6	1.6163	0.0000	SURCHARGED
600 minute summer	S5	390	0.643	0.927	36.4	1.6377	0.0000	SURCHARGED
600 minute summer	S9	345	0.634	0.930	3.2	2.1432	0.0000	SURCHARGED
600 minute summer	S10	345	0.634	0.955	10.1	1.6878	0.0000	SURCHARGED
600 minute summer	S11	345	0.634	0.960	16.6	1.6967	0.0000	SURCHARGED
600 minute summer	S12	345	0.634	0.969	15.7	1.7122	0.0000	SURCHARGED
600 minute summer	S1	375	0.653	0.917	18.2	2.1599	0.0000	SURCHARGED
600 minute summer	S3	345	0.635	0.942	19.9	3.0134	0.0000	SURCHARGED
600 minute summer	S2	345	0.634	0.970	35.8	1.7145	0.0000	SURCHARGED
600 minute summer	S14	405	0.638	0.947	22.7	1.6735	0.0000	SURCHARGED
600 minute summer	S15	345	0.634	0.980	66.0	4.4093	0.0000	SURCHARGED
600 minute summer	S75	345	0.633	0.995	90.8	2.5313	0.0000	SURCHARGED
600 minute summer	S87	345	0.631	0.917	8.1	2.9737	0.0000	SURCHARGED
600 minute summer	S88	345	0.631	0.939	16.3	3.0606	0.0000	SURCHARGED
600 minute summer	S89	345	0.630	0.960	24.4	3.1116	0.0000	SURCHARGED
600 minute summer	S90	345	0.629	0.981	32.4	3.1241	0.0000	SURCHARGED
600 minute summer	S92	345	0.626	1.005	100.5	2.5584	0.0000	SURCHARGED
600 minute summer	S81	330	0.620	0.922	8.1	2.9768	0.0000	SURCHARGED
600 minute summer	S82	330	0.620	0.944	16.3	3.0642	0.0000	SURCHARGED
600 minute summer	S83	330	0.619	0.964	24.4	3.1114	0.0000	SURCHARGED
600 minute summer	S84	330	0.617	0.984	32.4	3.1211	0.0000	SURCHARGED
600 minute summer	S86	330	0.613	1.006	107.0	2.5600	0.0000	SURCHARGED
600 minute summer	S76	330	0.598	0.915	8.1	2.9424	0.0000	SURCHARGED
600 minute summer	S77	330	0.598	0.937	16.4	3.0294	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	9.7	0.061	0.137	9.2005	
600 minute summer	S25	2.000	S16	7.7	0.049	0.109	7.3393	
600 minute summer	S16	1.001	S145	20.2	0.144	0.283	15.0038	
600 minute summer	S145	1.002	S75	26.4	0.210	0.374	15.0038	
600 minute summer	S4	3.000	S5	15.9	0.100	0.225	13.1095	
600 minute summer	S5	3.001	S11	16.6	0.117	0.233	13.1095	
600 minute summer	S9	4.000	S10	7.9	0.126	0.112	8.0648	
600 minute summer	S10	4.001	S11	3.1	0.119	0.041	1.3780	
600 minute summer	S11	3.002	S12	15.7	0.099	0.222	2.8740	
600 minute summer	S12	3.003	S15	16.4	0.103	0.238	3.6838	
600 minute summer	S1	5.000	S3	17.5	0.110	0.246	13.5151	
600 minute summer	S3	5.001	S2	17.7	0.150	0.249	9.1848	
600 minute summer	S2	5.002	S15	34.8	0.220	0.511	3.4165	
600 minute summer	S14	6.000	S15	-18.4	-0.116	-0.261	11.8707	
600 minute summer	S15	3.004	S75	60.7	0.383	0.848	4.9661	
600 minute summer	S75	1.003	S92	90.8	0.573	1.276	5.3380	
600 minute summer	S87	7.000	S88	8.0	0.121	0.112	6.8747	
600 minute summer	S88	7.001	S89	16.1	0.162	0.226	6.8747	
600 minute summer	S89	7.002	S90	24.3	0.184	0.341	6.8747	
600 minute summer	S90	7.003	S92	32.3	0.204	0.458	8.6413	
600 minute summer	S92	1.005	S86	97.0	0.613	1.366	4.4095	
600 minute summer	S81	8.000	S82	8.0	0.120	0.112	6.8747	
600 minute summer	S82	8.001	S83	16.1	0.159	0.232	6.8747	
600 minute summer	S83	8.002	S84	24.3	0.180	0.341	6.8747	
600 minute summer	S84	8.003	S86	32.3	0.204	0.455	8.1975	
600 minute summer	S86	1.006	S30	106.4	0.671	1.498	4.4165	
600 minute summer	S76	9.000	S77	8.1	0.121	0.113	6.8747	
600 minute summer	S77	9.001	S78	16.2	0.159	0.227	6.8747	

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Results for 100 year +40% CC 600 minute summer. 2040 minute analysis at 15 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute summer	S78	330	0.597	0.958	24.5	3.0797	0.0000	SURCHARGED
600 minute summer	S79	330	0.595	0.977	32.4	3.0871	0.0000	SURCHARGED
600 minute summer	S30	330	0.591	0.998	118.7	2.5409	0.0000	SURCHARGED
600 minute summer	S31	330	0.549	0.885	8.8	2.9319	0.0000	SURCHARGED
600 minute summer	S32	330	0.549	0.928	16.3	2.8649	0.0000	SURCHARGED
600 minute summer	S33	330	0.547	0.970	121.3	2.4691	0.0000	SURCHARGED
600 minute summer	S34	330	0.488	0.927	124.4	1.6380	0.0000	SURCHARGED
600 minute summer	S35	330	0.393	0.859	124.9	1.5181	0.0000	SURCHARGED
600 minute summer	S36	330	0.361	0.803	3.5	1.4184	0.0000	SURCHARGED
600 minute summer	S37	330	0.361	0.832	139.3	4.0884	0.0000	SURCHARGED
600 minute summer	S38	330	0.172	0.688	139.1	1.2153	0.0000	SURCHARGED
600 minute summer	S39	330	-0.017	0.545	139.1	0.9627	0.0000	SURCHARGED
600 minute summer	S56	330	-0.051	0.508	0.4	0.8982	0.0000	SURCHARGED
600 minute summer	S57	330	-0.051	0.514	139.1	1.3089	0.0000	SURCHARGED
600 minute summer	S125	330	-0.121	0.434	0.6	0.7667	0.0000	OK
600 minute summer	S127	330	-0.121	0.458	139.0	1.1653	0.0000	SURCHARGED
600 minute summer	S119	345	-0.186	0.383	0.5	0.6762	0.0000	OK
600 minute summer	S60	345	-0.186	0.407	138.9	1.0350	0.0000	OK
600 minute summer	Pond Inlet 1	660	-0.202	0.408	138.8	0.7208	0.0000	OK
600 minute summer	Pond Outlet	660	-0.202	0.408	69.5	0.4611	0.0000	SURCHARGED
600 minute summer	S13	660	-0.202	0.436	0.1	1.5095	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	0.640	0.140	5.6	12.1039	0.0000	OK
600 minute summer	PP-S25	345	0.640	0.140	6.0	10.6941	0.0000	OK
600 minute summer	PP-S16	345	0.640	0.140	7.6	15.8652	0.0000	OK
600 minute summer	PP-S145	345	0.638	0.138	7.9	16.3372	0.0000	OK
600 minute summer	PP-S4	345	0.635	0.135	6.8	14.4304	0.0000	OK
600 minute summer	PP-S1	345	0.635	0.135	17.5	44.5275	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	24.3	0.181	0.349	6.8745	
600 minute summer	S79	9.003	S30	32.3	0.204	0.449	7.6907	
600 minute summer	S30	1.007	S33	115.0	0.726	1.616	5.0209	
600 minute summer	S31	10.000	S32	8.6	0.125	0.122	13.6740	
600 minute summer	S32	10.001	S33	16.1	0.170	0.226	13.6740	
600 minute summer	S33	1.008	S34	121.5	0.767	1.722	5.1108	
600 minute summer	S34	1.009	S35	124.5	0.786	1.753	8.5103	
600 minute summer	S35	1.010	S37	125.0	0.789	1.881	1.7947	
600 minute summer	S36	11.000	S37	3.4	0.040	0.048	9.1184	
600 minute summer	S37	1.011	S38	139.1	0.878	1.969	14.3287	
600 minute summer	S38	1.012	S39	139.1	0.878	1.946	14.3287	
600 minute summer	S39	1.013	S57	139.1	0.878	2.195	1.1814	
600 minute summer	S56	12.011	S57	-0.4	-0.038	-0.005	2.0645	
600 minute summer	S57	1.014	S127	139.0	0.877	1.965	4.4483	
600 minute summer	S125	21.003	S127	0.6	-0.016	0.008	7.7719	
600 minute summer	S127	1.015	S60	138.9	0.892	1.950	4.2803	
600 minute summer	S119	22.003	S60	-0.5	-0.027	-0.008	7.2601	
600 minute summer	S60	1.016	Pond Inlet 1	138.8	1.028	1.833	4.4345	
600 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	69.5	0.019	0.001	2189.9937	
600 minute summer	Pond Outlet	1.018	S13	0.1	0.152	0.002	0.4779	
600 minute summer	S13	Pump	Final Outfall	0.0				0.0
600 minute summer	PP-S26	1.000_1	S26	5.2	0.496	0.135	0.3120	
600 minute summer	PP-S25	2.000_1	S25	14.6	0.679	0.254	0.1581	
600 minute summer	PP-S16	3.000_1	S16	6.7	0.840	0.099	0.1639	
600 minute summer	PP-S145	4.000_2	S145	14.6	1.029	0.173	0.1633	
600 minute summer	PP-S4	1.000_2	S4	7.6	0.723	0.133	0.1541	
600 minute summer	PP-S1	4.000_1	S1	17.5	1.017	0.264	0.1606	

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Results for 100 year +40% CC 600 minute summer. 2040 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
600 minute summer	PP-S5	345	0.635	0.135	8.4	16.9007	0.0000	OK
600 minute summer	PP-S12	345	0.634	0.134	8.4	12.7173	0.0000	OK
600 minute summer	PP-S14	360	0.625	0.125	18.4	55.5946	0.0000	OK
600 minute summer	PP-S2	345	0.634	0.134	9.3	13.7126	0.0000	OK
600 minute summer	PP-S15	345	0.634	0.134	5.0	7.0655	0.0000	OK
600 minute summer	PP-S75	345	0.633	0.133	5.8	7.7400	0.0000	OK
600 minute summer	PP-S24	345	0.626	0.126	9.1	14.6072	0.0000	OK
600 minute summer	PP-S30	330	0.591	0.091	4.3	4.7400	0.0000	OK
600 minute summer	PP-S33	330	0.547	0.047	2.4	1.9160	0.0000	OK
600 minute summer	PP-S34	315	0.530	0.030	4.6	1.2442	0.0000	OK
600 minute summer	PP-S35	315	0.512	0.012	0.7	0.1857	0.0000	OK
600 minute summer	PP-S36	315	0.527	0.027	3.5	0.7402	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	20.5	0.976	0.277	0.1615	
600 minute summer	PP-S12	8.000_1	S12	7.2	0.841	0.079	0.1610	
600 minute summer	PP-S14	11.000_1	S14	22.7	1.231	0.274	0.1559	
600 minute summer	PP-S2	10.000_1	S2	18.2	0.925	0.199	0.1612	
600 minute summer	PP-S15	12.000_1	S15	6.1	0.902	0.064	0.1608	
600 minute summer	PP-S75	13.000_1	S75	10.8	0.920	0.109	0.1603	
600 minute summer	PP-S24	14.000_1	S92	7.6	1.234	0.074	0.1566	
600 minute summer	PP-S30	18.000_1	S30	4.5	0.980	0.041	0.1372	
600 minute summer	PP-S33	20.000_1	S33	2.9	1.055	0.026	0.1142	
600 minute summer	PP-S34	21.000_1	S34	4.6	1.304	0.039	0.1073	
600 minute summer	PP-S35	22.000_2	S35	0.7	0.778	0.006	0.0848	
600 minute summer	PP-S36	23.000_2	S36	3.5	1.226	0.029	0.0597	

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Results for 100 year +40% CC 600 minute winter. 2040 minute analysis at 15 minute timestep. Mass balance: 99.49%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute winter	S26	360	0.636	0.874	15.3	1.5435	0.0000	SURCHARGED
600 minute winter	S25	345	0.615	0.859	8.2	2.1849	0.0000	SURCHARGED
600 minute winter	S16	345	0.614	0.881	25.1	3.9046	0.0000	SURCHARGED
600 minute winter	S145	345	0.657	0.972	49.0	4.1862	0.0000	SURCHARGED
600 minute winter	S4	345	0.615	0.858	17.1	1.5166	0.0000	SURCHARGED
600 minute winter	S5	405	0.667	0.951	18.9	1.6805	0.0000	SURCHARGED
600 minute winter	S9	360	0.629	0.925	5.3	2.1302	0.0000	SURCHARGED
600 minute winter	S10	375	0.619	0.940	15.3	1.6611	0.0000	SURCHARGED
600 minute winter	S11	375	0.618	0.944	13.2	1.6674	0.0000	SURCHARGED
600 minute winter	S12	390	0.629	0.964	24.5	1.7031	0.0000	SURCHARGED
600 minute winter	S1	375	0.665	0.929	21.0	2.1884	0.0000	SURCHARGED
600 minute winter	S3	360	0.607	0.914	19.1	2.9237	0.0000	SURCHARGED
600 minute winter	S2	390	0.636	0.972	26.2	1.7172	0.0000	SURCHARGED
600 minute winter	S14	375	0.617	0.926	19.2	1.6365	0.0000	SURCHARGED
600 minute winter	S15	390	0.642	0.988	56.4	4.4478	0.0000	SURCHARGED
600 minute winter	S75	390	0.643	1.005	80.6	2.5569	0.0000	SURCHARGED
600 minute winter	S87	360	0.605	0.891	6.2	2.8917	0.0000	SURCHARGED
600 minute winter	S88	360	0.603	0.911	12.6	2.9694	0.0000	SURCHARGED
600 minute winter	S89	390	0.608	0.938	18.9	3.0403	0.0000	SURCHARGED
600 minute winter	S90	360	0.606	0.958	25.0	3.0524	0.0000	SURCHARGED
600 minute winter	S92	345	0.603	0.982	89.9	2.5003	0.0000	SURCHARGED
600 minute winter	S81	345	0.589	0.891	6.2	2.8778	0.0000	SURCHARGED
600 minute winter	S82	360	0.590	0.914	12.9	2.9662	0.0000	SURCHARGED
600 minute winter	S83	360	0.591	0.936	18.8	3.0202	0.0000	SURCHARGED
600 minute winter	S84	345	0.586	0.953	24.9	3.0223	0.0000	SURCHARGED
600 minute winter	S86	345	0.587	0.980	102.0	2.4936	0.0000	SURCHARGED
600 minute winter	S76	345	0.564	0.881	6.2	2.8327	0.0000	SURCHARGED
600 minute winter	S77	345	0.564	0.903	14.0	2.9205	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	11.5	0.073	0.163	9.2005	
600 minute winter	S25	2.000	S16	7.5	0.048	0.107	7.3393	
600 minute winter	S16	1.001	S145	16.7	0.155	0.234	15.0038	
600 minute winter	S145	1.002	S75	29.6	0.191	0.420	15.0038	
600 minute winter	S4	3.000	S5	8.5	0.091	0.121	13.1095	
600 minute winter	S5	3.001	S11	12.7	0.104	0.177	13.1095	
600 minute winter	S9	4.000	S10	15.3	0.118	0.219	8.0648	
600 minute winter	S10	4.001	S11	6.9	0.091	0.090	1.3780	
600 minute winter	S11	3.002	S12	12.0	0.076	0.170	2.8740	
600 minute winter	S12	3.003	S15	22.3	0.141	0.324	3.6838	
600 minute winter	S1	5.000	S3	16.6	0.105	0.233	13.5151	
600 minute winter	S3	5.001	S2	15.6	0.142	0.220	9.1848	
600 minute winter	S2	5.002	S15	21.3	0.135	0.313	3.4165	
600 minute winter	S14	6.000	S15	17.0	0.107	0.241	11.8707	
600 minute winter	S15	3.004	S75	51.0	0.322	0.713	4.9661	
600 minute winter	S75	1.003	S92	71.8	0.453	1.009	5.3380	
600 minute winter	S87	7.000	S88	6.2	0.119	0.087	6.8747	
600 minute winter	S88	7.001	S89	12.5	0.157	0.175	6.8747	
600 minute winter	S89	7.002	S90	19.2	0.164	0.269	6.8747	
600 minute winter	S90	7.003	S92	24.9	0.189	0.353	8.6413	
600 minute winter	S92	1.005	S86	88.7	0.560	1.248	4.4095	
600 minute winter	S81	8.000	S82	6.8	0.117	0.096	6.8747	
600 minute winter	S82	8.001	S83	12.6	0.152	0.180	6.8747	
600 minute winter	S83	8.002	S84	18.7	0.151	0.262	6.8747	
600 minute winter	S84	8.003	S86	24.9	0.206	0.351	8.1975	
600 minute winter	S86	1.006	S30	99.3	0.627	1.399	4.4165	
600 minute winter	S76	9.000	S77	7.9	0.118	0.111	6.8747	
600 minute winter	S77	9.001	S78	14.6	0.153	0.205	6.8747	

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Results for 100 year +40% CC 600 minute winter. 2040 minute analysis at 15 minute timestep. Mass balance: 99.49%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute winter	S78	345	0.563	0.924	20.7	2.9695	0.0000	SURCHARGED
600 minute winter	S79	345	0.561	0.943	26.5	2.9790	0.0000	SURCHARGED
600 minute winter	S30	345	0.559	0.966	112.8	2.4586	0.0000	SURCHARGED
600 minute winter	S31	345	0.514	0.850	6.7	2.8147	0.0000	SURCHARGED
600 minute winter	S32	345	0.514	0.893	12.9	2.7578	0.0000	SURCHARGED
600 minute winter	S33	345	0.511	0.934	119.3	2.3772	0.0000	SURCHARGED
600 minute winter	S34	345	0.452	0.891	121.9	1.5746	0.0000	SURCHARGED
600 minute winter	S35	345	0.361	0.827	123.1	1.4614	0.0000	SURCHARGED
600 minute winter	S36	345	0.329	0.771	2.7	1.3627	0.0000	SURCHARGED
600 minute winter	S37	345	0.330	0.801	134.8	3.9353	0.0000	SURCHARGED
600 minute winter	S38	345	0.152	0.668	134.7	1.1809	0.0000	SURCHARGED
600 minute winter	S39	360	-0.026	0.536	134.7	0.9474	0.0000	SURCHARGED
600 minute winter	S56	360	-0.057	0.502	0.2	0.8875	0.0000	SURCHARGED
600 minute winter	S57	360	-0.057	0.508	134.8	1.2935	0.0000	SURCHARGED
600 minute winter	S125	435	-0.116	0.439	0.7	0.7757	0.0000	OK
600 minute winter	S127	435	-0.116	0.463	134.8	1.1780	0.0000	SURCHARGED
600 minute winter	S119	645	-0.159	0.410	1.4	0.7242	0.0000	OK
600 minute winter	S60	645	-0.159	0.434	134.6	1.1044	0.0000	OK
600 minute winter	Pond Inlet 1	645	-0.157	0.453	134.6	0.8006	0.0000	OK
600 minute winter	Pond Outlet	645	-0.160	0.450	67.3	0.5087	0.0000	SURCHARGED
600 minute winter	S13	645	-0.160	0.478	0.1	1.6550	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	360	0.615	0.115	6.9	9.3864	0.0000	OK
600 minute winter	PP-S25	360	0.615	0.115	10.0	8.3542	0.0000	OK
600 minute winter	PP-S16	360	0.615	0.115	4.3	11.6915	0.0000	OK
600 minute winter	PP-S145	360	0.605	0.105	10.7	10.4723	0.0000	OK
600 minute winter	PP-S4	375	0.607	0.107	9.3	9.9795	0.0000	OK
600 minute winter	PP-S1	375	0.608	0.108	11.7	34.7145	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	0.154	0.296	6.8745	
600 minute winter	S79	9.003	S30	26.2	0.202	0.365	7.6907	
600 minute winter	S30	1.007	S33	109.1	0.688	1.532	5.0209	
600 minute winter	S31	10.000	S32	7.3	0.121	0.103	13.6740	
600 minute winter	S32	10.001	S33	12.7	0.144	0.178	13.6740	
600 minute winter	S33	1.008	S34	119.1	0.752	1.688	5.1108	
600 minute winter	S34	1.009	S35	122.7	0.775	1.728	8.5103	
600 minute winter	S35	1.010	S37	123.0	0.776	1.851	1.7947	
600 minute winter	S36	11.000	S37	2.8	0.039	0.039	9.1184	
600 minute winter	S37	1.011	S38	134.7	0.851	1.907	14.3287	
600 minute winter	S38	1.012	S39	134.7	0.850	1.886	14.3287	
600 minute winter	S39	1.013	S57	134.8	0.851	2.127	1.1814	
600 minute winter	S56	12.011	S57	-0.2	-0.098	-0.003	2.0645	
600 minute winter	S57	1.014	S127	134.8	0.851	1.906	4.4483	
600 minute winter	S125	21.003	S127	-0.7	-0.035	-0.010	7.7899	
600 minute winter	S127	1.015	S60	134.6	0.870	1.890	4.3489	
600 minute winter	S119	22.003	S60	-1.4	-0.130	-0.019	7.6017	
600 minute winter	S60	1.016	Pond Inlet 1	134.5	1.002	1.777	4.7010	
600 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	67.3	0.021	0.001	2432.4351	
600 minute winter	Pond Outlet	1.018	S13	0.1	0.154	0.002	0.4779	
600 minute winter	S13	Pump	Final Outfall	0.0				0.0
600 minute winter	PP-S26	1.000_1	S26	7.7	0.477	0.199	0.2814	
600 minute winter	PP-S25	2.000_1	S25	-9.3	0.606	-0.162	0.1323	
600 minute winter	PP-S16	3.000_1	S16	14.3	0.804	0.212	0.1415	
600 minute winter	PP-S145	4.000_2	S145	26.9	0.979	0.319	0.1450	
600 minute winter	PP-S4	1.000_2	S4	17.1	0.695	0.300	0.1291	
600 minute winter	PP-S1	4.000_1	S1	18.9	1.004	0.285	0.1463	

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Results for 100 year +40% CC 600 minute winter. 2040 minute analysis at 15 minute timestep. Mass balance: 99.49%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute winter	PP-S5	360	0.607	0.107	4.9	11.4312	0.0000	OK
600 minute winter	PP-S12	375	0.609	0.109	4.8	9.9513	0.0000	OK
600 minute winter	PP-S14	375	0.609	0.109	10.8	45.7575	0.0000	OK
600 minute winter	PP-S2	375	0.610	0.110	10.1	10.9622	0.0000	OK
600 minute winter	PP-S15	360	0.609	0.109	9.2	5.5965	0.0000	OK
600 minute winter	PP-S75	360	0.608	0.108	9.0	6.1144	0.0000	OK
600 minute winter	PP-S24	360	0.600	0.100	8.4	10.4520	0.0000	OK
600 minute winter	PP-S30	345	0.558	0.058	5.8	2.7439	0.0000	OK
600 minute winter	PP-S33	315	0.520	0.020	1.8	0.3924	0.0000	OK
600 minute winter	PP-S34	315	0.527	0.027	3.5	0.9661	0.0000	OK
600 minute winter	PP-S35	285	0.511	0.011	0.5	0.1395	0.0000	OK
600 minute winter	PP-S36	315	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)
600 minute winter	PP-S5	2.000_2	S5	10.3	0.939	0.140	0.1438	
600 minute winter	PP-S12	8.000_1	S12	15.8	0.806	0.174	0.1471	
600 minute winter	PP-S14	11.000_1	S14	15.4	1.177	0.186	0.1472	
600 minute winter	PP-S2	10.000_1	S2	16.9	0.894	0.186	0.1476	
600 minute winter	PP-S15	12.000_1	S15	23.0	0.863	0.244	0.1471	
600 minute winter	PP-S75	13.000_1	S75	18.4	0.876	0.186	0.1464	
600 minute winter	PP-S24	14.000_1	S92	10.0	1.183	0.097	0.1418	
600 minute winter	PP-S30	18.000_1	S30	-4.3	0.929	-0.038	0.1197	
600 minute winter	PP-S33	20.000_1	S33	1.8	1.006	0.016	0.1036	
600 minute winter	PP-S34	21.000_1	S34	3.5	1.241	0.030	0.1020	
600 minute winter	PP-S35	22.000_2	S35	0.5	0.748	0.004	0.0682	
600 minute winter	PP-S36	23.000_2	S36	2.7	1.167	0.023	0.0411	

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Results for 100 year +40% CC 720 minute summer. 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 summer	S26	405	0.611	0.849	3.8	1.4995	0.0000	SURCHARGED
720 minute summer	S25	435	0.618	0.862	8.7	2.1934	0.0000	SURCHARGED
720 minute summer	S16	405	0.611	0.878	27.7	3.8913	0.0000	SURCHARGED
720 minute summer	S145	435	0.620	0.935	45.1	4.0282	0.0000	SURCHARGED
720 minute summer	S4	420	0.610	0.853	15.2	1.5073	0.0000	SURCHARGED
720 minute summer	S5	420	0.660	0.944	20.9	1.6676	0.0000	SURCHARGED
720 minute summer	S9	420	0.622	0.918	3.6	2.1145	0.0000	SURCHARGED
720 minute summer	S10	405	0.607	0.928	18.0	1.6390	0.0000	SURCHARGED
720 minute summer	S11	405	0.607	0.933	23.1	1.6478	0.0000	SURCHARGED
720 minute summer	S12	405	0.606	0.941	17.3	1.6634	0.0000	SURCHARGED
720 minute summer	S1	420	0.649	0.913	20.5	2.1496	0.0000	SURCHARGED
720 minute summer	S3	405	0.607	0.914	20.3	2.9242	0.0000	SURCHARGED
720 minute summer	S2	435	0.615	0.951	18.4	1.6807	0.0000	SURCHARGED
720 minute summer	S14	435	0.625	0.934	16.2	1.6505	0.0000	SURCHARGED
720 minute summer	S15	435	0.635	0.981	47.4	4.4162	0.0000	SURCHARGED
720 minute summer	S75	435	0.628	0.990	86.2	2.5204	0.0000	SURCHARGED
720 minute summer	S87	405	0.600	0.886	7.2	2.8758	0.0000	SURCHARGED
720 minute summer	S88	405	0.600	0.908	14.4	2.9624	0.0000	SURCHARGED
720 minute summer	S89	405	0.600	0.930	21.6	3.0141	0.0000	SURCHARGED
720 minute summer	S90	405	0.599	0.951	28.7	3.0288	0.0000	SURCHARGED
720 minute summer	S92	405	0.597	0.976	96.0	2.4829	0.0000	SURCHARGED
720 minute summer	S81	390	0.589	0.891	7.2	2.8771	0.0000	SURCHARGED
720 minute summer	S82	390	0.589	0.913	14.4	2.9641	0.0000	SURCHARGED
720 minute summer	S83	390	0.588	0.933	21.8	3.0124	0.0000	SURCHARGED
720 minute summer	S84	390	0.587	0.954	29.1	3.0248	0.0000	SURCHARGED
720 minute summer	S86	390	0.583	0.976	103.5	2.4847	0.0000	SURCHARGED
720 minute summer	S76	390	0.566	0.883	7.2	2.8383	0.0000	SURCHARGED
720 minute summer	S77	390	0.566	0.905	14.8	2.9248	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	7.0	0.044	0.099	9.2005	
720 minute summer	S25	2.000	S16	-5.7	0.036	-0.080	7.3393	
720 minute summer	S16	1.001	S145	26.3	0.166	0.369	15.0038	
720 minute summer	S145	1.002	S75	24.6	0.199	0.349	15.0038	
720 minute summer	S4	3.000	S5	10.1	0.083	0.144	13.1095	
720 minute summer	S5	3.001	S11	19.8	0.125	0.278	13.1095	
720 minute summer	S9	4.000	S10	18.0	0.113	0.256	8.0648	
720 minute summer	S10	4.001	S11	3.3	0.094	0.043	1.3780	
720 minute summer	S11	3.002	S12	12.4	0.078	0.176	2.8740	
720 minute summer	S12	3.003	S15	22.2	0.140	0.322	3.6838	
720 minute summer	S1	5.000	S3	17.7	0.112	0.248	13.5151	
720 minute summer	S3	5.001	S2	18.4	0.145	0.259	9.1848	
720 minute summer	S2	5.002	S15	17.9	0.113	0.263	3.4165	
720 minute summer	S14	6.000	S15	17.4	0.110	0.248	11.8707	
720 minute summer	S15	3.004	S75	53.1	0.335	0.742	4.9661	
720 minute summer	S75	1.003	S92	81.5	0.515	1.146	5.3380	
720 minute summer	S87	7.000	S88	7.6	0.111	0.107	6.8747	
720 minute summer	S88	7.001	S89	14.3	0.154	0.200	6.8747	
720 minute summer	S89	7.002	S90	21.5	0.176	0.302	6.8747	
720 minute summer	S90	7.003	S92	28.6	0.193	0.406	8.6413	
720 minute summer	S92	1.005	S86	91.9	0.580	1.293	4.4095	
720 minute summer	S81	8.000	S82	7.1	0.108	0.100	6.8747	
720 minute summer	S82	8.001	S83	14.5	0.152	0.208	6.8747	
720 minute summer	S83	8.002	S84	21.9	0.169	0.307	6.8747	
720 minute summer	S84	8.003	S86	29.1	0.205	0.410	8.1975	
720 minute summer	S86	1.006	S30	100.1	0.632	1.411	4.4165	
720 minute summer	S76	9.000	S77	7.5	0.109	0.106	6.8747	
720 minute summer	S77	9.001	S78	14.9	0.152	0.209	6.8747	

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Results for 100 year +40% CC 720 minute summer. 2160 minute analysis at 15 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute summer	S78	390	0.565	0.926	22.2	2.9761	0.0000	SURCHARGED
720 minute summer	S79	390	0.563	0.945	29.5	2.9864	0.0000	SURCHARGED
720 minute summer	S30	390	0.560	0.967	113.7	2.4616	0.0000	SURCHARGED
720 minute summer	S31	390	0.517	0.853	7.7	2.8255	0.0000	SURCHARGED
720 minute summer	S32	390	0.517	0.896	14.5	2.7662	0.0000	SURCHARGED
720 minute summer	S33	390	0.516	0.939	119.4	2.3887	0.0000	SURCHARGED
720 minute summer	S34	390	0.458	0.897	122.4	1.5843	0.0000	SURCHARGED
720 minute summer	S35	375	0.366	0.832	122.8	1.4702	0.0000	SURCHARGED
720 minute summer	S36	375	0.335	0.777	3.1	1.3735	0.0000	SURCHARGED
720 minute summer	S37	375	0.335	0.806	136.5	3.9634	0.0000	SURCHARGED
720 minute summer	S38	390	0.153	0.669	136.4	1.1819	0.0000	SURCHARGED
720 minute summer	S39	390	-0.028	0.534	136.3	0.9440	0.0000	SURCHARGED
720 minute summer	S56	390	-0.060	0.499	0.7	0.8820	0.0000	SURCHARGED
720 minute summer	S57	390	-0.060	0.505	136.3	1.2856	0.0000	SURCHARGED
720 minute summer	S125	390	-0.127	0.428	0.7	0.7563	0.0000	OK
720 minute summer	S127	390	-0.127	0.452	136.2	1.1504	0.0000	SURCHARGED
720 minute summer	S119	465	-0.188	0.381	0.9	0.6732	0.0000	OK
720 minute summer	S60	465	-0.188	0.405	136.1	1.0308	0.0000	OK
720 minute summer	Pond Inlet 1	765	-0.190	0.420	135.9	0.7428	0.0000	OK
720 minute summer	Pond Outlet	765	-0.190	0.420	68.1	0.4753	0.0000	SURCHARGED
720 minute summer	S13	825	-0.190	0.448	0.2	1.5528	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	0.611	0.111	4.4	8.8980	0.0000	OK
720 minute summer	PP-S25	405	0.611	0.111	3.3	7.9499	0.0000	OK
720 minute summer	PP-S16	405	0.611	0.111	4.9	10.8869	0.0000	OK
720 minute summer	PP-S145	405	0.609	0.109	7.5	11.1584	0.0000	OK
720 minute summer	PP-S4	405	0.608	0.108	4.4	10.1252	0.0000	OK
720 minute summer	PP-S1	405	0.606	0.106	14.1	33.9499	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	22.3	0.172	0.320	6.8745	
720 minute summer	S79	9.003	S30	29.6	0.196	0.411	7.6907	
720 minute summer	S30	1.007	S33	109.8	0.693	1.543	5.0209	
720 minute summer	S31	10.000	S32	7.7	0.121	0.109	13.6740	
720 minute summer	S32	10.001	S33	14.4	0.167	0.202	13.6740	
720 minute summer	S33	1.008	S34	119.4	0.754	1.693	5.1108	
720 minute summer	S34	1.009	S35	122.4	0.773	1.723	8.5103	
720 minute summer	S35	1.010	S37	122.9	0.776	1.849	1.7947	
720 minute summer	S36	11.000	S37	3.1	0.048	0.044	9.1184	
720 minute summer	S37	1.011	S38	136.4	0.861	1.930	14.3287	
720 minute summer	S38	1.012	S39	136.3	0.860	1.908	14.3287	
720 minute summer	S39	1.013	S57	136.3	0.860	2.151	1.1814	
720 minute summer	S56	12.011	S57	-0.7	-0.117	-0.011	2.0645	
720 minute summer	S57	1.014	S127	136.2	0.860	1.926	4.4473	
720 minute summer	S125	21.003	S127	-0.7	-0.027	-0.010	7.7442	
720 minute summer	S127	1.015	S60	136.1	0.879	1.911	4.2696	
720 minute summer	S119	22.003	S60	-0.9	-0.062	-0.013	7.2358	
720 minute summer	S60	1.016	Pond Inlet 1	135.9	1.007	1.795	4.5308	
720 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	68.1	0.018	0.001	2262.3320	
720 minute summer	Pond Outlet	1.018	S13	0.2	0.158	0.003	0.4779	
720 minute summer	S13	Pump	Final Outfall	0.0				0.0
720 minute summer	PP-S26	1.000_1	S26	3.7	0.495	0.096	0.2538	
720 minute summer	PP-S25	2.000_1	S25	8.4	0.613	0.145	0.1298	
720 minute summer	PP-S16	3.000_1	S16	14.0	0.821	0.207	0.1398	
720 minute summer	PP-S145	4.000_2	S145	20.0	1.008	0.237	0.1472	
720 minute summer	PP-S4	1.000_2	S4	15.2	0.705	0.267	0.1264	
720 minute summer	PP-S1	4.000_1	S1	19.2	1.036	0.289	0.1439	

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Results for 100 year +40% CC 720 minute summer. 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 summer	PP-S5	405	0.606	0.106	12.4	11.2042	0.0000	OK
720 minute summer	PP-S12	405	0.606	0.106	13.4	9.6280	0.0000	OK
720 minute summer	PP-S14	435	0.599	0.099	12.7	39.2389	0.0000	OK
720 minute summer	PP-S2	405	0.607	0.107	11.7	10.5851	0.0000	OK
720 minute summer	PP-S15	405	0.607	0.107	7.1	5.4504	0.0000	OK
720 minute summer	PP-S75	405	0.604	0.104	7.4	5.8550	0.0000	OK
720 minute summer	PP-S24	405	0.596	0.096	9.2	9.9392	0.0000	OK
720 minute summer	PP-S30	390	0.560	0.060	3.4	2.8585	0.0000	OK
720 minute summer	PP-S33	375	0.521	0.021	2.1	0.4509	0.0000	OK
720 minute summer	PP-S34	375	0.528	0.028	4.0	1.0923	0.0000	OK
720 minute summer	PP-S35	375	0.511	0.011	0.6	0.1628	0.0000	OK
720 minute summer	PP-S36	375	0.525	0.025	3.1	0.6635	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	10.7	0.954	0.145	0.1419	
720 minute summer	PP-S12	8.000_1	S12	-12.6	0.818	-0.138	0.1455	
720 minute summer	PP-S14	11.000_1	S14	16.2	1.240	0.196	0.1415	
720 minute summer	PP-S2	10.000_1	S2	-10.5	0.907	-0.115	0.1457	
720 minute summer	PP-S15	12.000_1	S15	14.6	0.875	0.155	0.1457	
720 minute summer	PP-S75	13.000_1	S75	10.0	0.903	0.102	0.1441	
720 minute summer	PP-S24	14.000_1	S92	4.8	1.203	0.047	0.1400	
720 minute summer	PP-S30	18.000_1	S30	2.2	0.960	0.019	0.1206	
720 minute summer	PP-S33	20.000_1	S33	2.1	1.022	0.018	0.1041	
720 minute summer	PP-S34	21.000_1	S34	4.0	1.278	0.034	0.1043	
720 minute summer	PP-S35	22.000_2	S35	0.6	0.748	0.005	0.0711	
720 minute summer	PP-S36	23.000_2	S36	3.1	1.189	0.026	0.0454	

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Results for 100 year +40% CC 720 minute winter. 2160 minute analysis at 15 minute timestep. Mass balance: 99.23%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute winter	S26	420	0.585	0.823	8.8	1.4542	0.0000	SURCHARGED
720 minute winter	S25	450	0.581	0.825	9.5	2.0996	0.0000	SURCHARGED
720 minute winter	S16	420	0.578	0.845	23.2	3.7456	0.0000	SURCHARGED
720 minute winter	S145	405	0.581	0.896	27.0	3.8602	0.0000	SURCHARGED
720 minute winter	S4	420	0.587	0.830	14.2	1.4668	0.0000	SURCHARGED
720 minute winter	S5	405	0.571	0.855	10.8	1.5110	0.0000	SURCHARGED
720 minute winter	S9	405	0.587	0.883	4.4	2.0341	0.0000	SURCHARGED
720 minute winter	S10	435	0.585	0.906	7.7	1.6014	0.0000	SURCHARGED
720 minute winter	S11	435	0.576	0.902	15.6	1.5939	0.0000	SURCHARGED
720 minute winter	S12	450	0.577	0.912	18.3	1.6121	0.0000	SURCHARGED
720 minute winter	S1	435	0.618	0.882	12.6	2.0780	0.0000	SURCHARGED
720 minute winter	S3	450	0.596	0.903	20.2	2.8862	0.0000	SURCHARGED
720 minute winter	S2	375	0.571	0.907	27.7	1.6019	0.0000	SURCHARGED
720 minute winter	S14	435	0.627	0.936	10.5	1.6548	0.0000	SURCHARGED
720 minute winter	S15	450	0.602	0.948	40.5	4.2681	0.0000	SURCHARGED
720 minute winter	S75	450	0.576	0.938	67.6	2.3869	0.0000	SURCHARGED
720 minute winter	S87	450	0.563	0.849	5.4	2.7533	0.0000	SURCHARGED
720 minute winter	S88	435	0.563	0.871	11.7	2.8412	0.0000	SURCHARGED
720 minute winter	S89	420	0.563	0.893	16.9	2.8957	0.0000	SURCHARGED
720 minute winter	S90	435	0.569	0.921	22.2	2.9321	0.0000	SURCHARGED
720 minute winter	S92	420	0.559	0.938	80.5	2.3883	0.0000	SURCHARGED
720 minute winter	S81	420	0.548	0.850	5.4	2.7437	0.0000	SURCHARGED
720 minute winter	S82	405	0.547	0.871	11.2	2.8277	0.0000	SURCHARGED
720 minute winter	S83	390	0.547	0.892	16.5	2.8780	0.0000	SURCHARGED
720 minute winter	S84	405	0.549	0.916	21.9	2.9064	0.0000	SURCHARGED
720 minute winter	S86	420	0.547	0.940	92.4	2.3918	0.0000	SURCHARGED
720 minute winter	S76	420	0.522	0.839	5.4	2.6966	0.0000	SURCHARGED
720 minute winter	S77	390	0.522	0.861	10.9	2.7827	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	0.042	-0.064	9.2005	
720 minute winter	S25	2.000	S16	10.7	0.068	0.152	7.3393	
720 minute winter	S16	1.001	S145	19.2	0.149	0.269	15.0038	
720 minute winter	S145	1.002	S75	26.3	0.187	0.373	15.0038	
720 minute winter	S4	3.000	S5	6.4	0.083	0.091	13.1095	
720 minute winter	S5	3.001	S11	15.6	0.110	0.219	13.1095	
720 minute winter	S9	4.000	S10	7.7	0.102	0.110	8.0648	
720 minute winter	S10	4.001	S11	7.2	0.070	0.095	1.3780	
720 minute winter	S11	3.002	S12	14.9	0.094	0.212	2.8740	
720 minute winter	S12	3.003	S15	15.3	0.097	0.222	3.6838	
720 minute winter	S1	5.000	S3	15.8	0.100	0.222	13.5151	
720 minute winter	S3	5.001	S2	17.8	0.139	0.251	9.1848	
720 minute winter	S2	5.002	S15	25.1	0.158	0.368	3.4165	
720 minute winter	S14	6.000	S15	9.4	0.059	0.133	11.8707	
720 minute winter	S15	3.004	S75	41.3	0.260	0.576	4.9661	
720 minute winter	S75	1.003	S92	65.2	0.412	0.916	5.3380	
720 minute winter	S87	7.000	S88	7.5	0.119	0.105	6.8747	
720 minute winter	S88	7.001	S89	11.4	0.156	0.159	6.8747	
720 minute winter	S89	7.002	S90	16.8	0.173	0.235	6.8747	
720 minute winter	S90	7.003	S92	22.3	0.162	0.316	8.6413	
720 minute winter	S92	1.005	S86	79.8	0.504	1.123	4.4095	
720 minute winter	S81	8.000	S82	6.7	0.117	0.094	6.8747	
720 minute winter	S82	8.001	S83	11.0	0.153	0.157	6.8747	
720 minute winter	S83	8.002	S84	16.5	0.162	0.231	6.8747	
720 minute winter	S84	8.003	S86	21.8	0.170	0.308	8.1975	
720 minute winter	S86	1.006	S30	92.0	0.581	1.296	4.4165	
720 minute winter	S76	9.000	S77	5.6	0.119	0.079	6.8747	
720 minute winter	S77	9.001	S78	10.9	0.151	0.152	6.8747	

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Results for 100 year +40% CC 720 minute winter. 2160 minute analysis at 15 minute timestep. Mass balance: 99.23%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute winter	S78	390	0.523	0.884	16.4	2.8419	0.0000	SURCHARGED
720 minute winter	S79	405	0.523	0.905	21.7	2.8600	0.0000	SURCHARGED
720 minute winter	S30	405	0.521	0.928	107.4	2.3611	0.0000	SURCHARGED
720 minute winter	S31	390	0.473	0.809	5.8	2.6794	0.0000	SURCHARGED
720 minute winter	S32	390	0.476	0.855	10.9	2.6392	0.0000	SURCHARGED
720 minute winter	S33	390	0.474	0.897	120.0	2.2837	0.0000	SURCHARGED
720 minute winter	S34	390	0.419	0.858	120.2	1.5157	0.0000	SURCHARGED
720 minute winter	S35	390	0.329	0.795	120.0	1.4049	0.0000	SURCHARGED
720 minute winter	S36	390	0.298	0.740	2.3	1.3067	0.0000	SURCHARGED
720 minute winter	S37	390	0.298	0.769	131.7	3.7827	0.0000	SURCHARGED
720 minute winter	S38	405	0.130	0.646	131.5	1.1413	0.0000	SURCHARGED
720 minute winter	S39	435	-0.036	0.526	131.4	0.9295	0.0000	SURCHARGED
720 minute winter	S56	465	-0.065	0.494	0.3	0.8735	0.0000	SURCHARGED
720 minute winter	S57	465	-0.065	0.500	131.4	1.2734	0.0000	SURCHARGED
720 minute winter	S125	480	-0.119	0.436	1.3	0.7699	0.0000	OK
720 minute winter	S127	480	-0.119	0.460	131.5	1.1706	0.0000	SURCHARGED
720 minute winter	S119	990	-0.145	0.424	0.7	0.7495	0.0000	OK
720 minute winter	S60	750	-0.145	0.448	131.4	1.1405	0.0000	OK
720 minute winter	Pond Inlet 1	750	-0.140	0.470	131.3	0.8304	0.0000	OK
720 minute winter	Pond Outlet	750	-0.146	0.464	65.7	0.5252	0.0000	SURCHARGED
720 minute winter	S13	750	-0.146	0.492	0.2	1.7056	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	420	0.580	0.080	2.9	5.5361	0.0000	OK
720 minute winter	PP-S25	435	0.578	0.078	5.6	4.8640	0.0000	OK
720 minute winter	PP-S16	420	0.572	0.072	7.6	4.7598	0.0000	OK
720 minute winter	PP-S145	420	0.573	0.073	9.4	5.1223	0.0000	OK
720 minute winter	PP-S4	405	0.579	0.079	5.5	5.7024	0.0000	OK
720 minute winter	PP-S1	420	0.571	0.071	12.3	21.8006	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	16.3	0.151	0.234	6.8745	
720 minute winter	S79	9.003	S30	21.7	0.174	0.302	7.6907	
720 minute winter	S30	1.007	S33	109.6	0.692	1.540	5.0209	
720 minute winter	S31	10.000	S32	6.0	0.124	0.085	13.6740	
720 minute winter	S32	10.001	S33	10.8	0.126	0.152	13.6740	
720 minute winter	S33	1.008	S34	117.6	0.742	1.667	5.1108	
720 minute winter	S34	1.009	S35	119.5	0.755	1.683	8.5103	
720 minute winter	S35	1.010	S37	119.9	0.757	1.804	1.7947	
720 minute winter	S36	11.000	S37	2.5	-0.037	0.036	9.1184	
720 minute winter	S37	1.011	S38	131.5	0.830	1.861	14.3287	
720 minute winter	S38	1.012	S39	131.4	0.830	1.839	14.3287	
720 minute winter	S39	1.013	S57	131.4	0.830	2.074	1.1814	
720 minute winter	S56	12.011	S57	-0.3	-0.013	-0.004	2.0645	
720 minute winter	S57	1.014	S127	131.5	0.830	1.859	4.4483	
720 minute winter	S125	21.003	S127	-1.3	-0.133	-0.019	7.7799	
720 minute winter	S127	1.015	S60	131.4	0.855	1.845	4.3618	
720 minute winter	S119	22.003	S60	-0.7	-0.096	-0.010	7.7233	
720 minute winter	S60	1.016	Pond Inlet 1	131.3	0.980	1.734	4.7256	
720 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	65.7	0.019	0.001	2517.2805	
720 minute winter	Pond Outlet	1.018	S13	0.2	0.178	0.003	0.4779	
720 minute winter	S13	Pump	Final Outfall	0.0				0.0
720 minute winter	PP-S26	1.000_1	S26	6.8	0.473	0.178	0.1933	
720 minute winter	PP-S25	2.000_1	S25	9.5	0.598	0.165	0.0906	
720 minute winter	PP-S16	3.000_1	S16	15.0	0.798	0.222	0.1037	
720 minute winter	PP-S145	4.000_2	S145	-7.1	0.952	-0.084	0.1251	
720 minute winter	PP-S4	1.000_2	S4	11.4	0.691	0.200	0.0970	
720 minute winter	PP-S1	4.000_1	S1	11.4	0.962	0.171	0.1199	

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Results for 100 year +40% CC 720 minute winter. 2160 minute analysis at 15 minute timestep. Mass balance: 99.23%

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	0.570	0.070	6.4	4.8598	0.0000	OK
720 minute winter	PP-S12	435	0.570	0.070	6.9	5.6026	0.0000	OK
720 minute winter	PP-S14	420	0.571	0.071	6.7	21.5679	0.0000	OK
720 minute winter	PP-S2	420	0.571	0.071	7.6	6.5186	0.0000	OK
720 minute winter	PP-S15	435	0.571	0.071	8.1	3.3357	0.0000	OK
720 minute winter	PP-S75	435	0.570	0.070	7.4	3.6706	0.0000	OK
720 minute winter	PP-S24	420	0.561	0.061	7.3	4.4792	0.0000	OK
720 minute winter	PP-S30	390	0.520	0.020	1.3	0.4884	0.0000	OK
720 minute winter	PP-S33	375	0.519	0.019	1.6	0.3518	0.0000	OK
720 minute winter	PP-S34	375	0.525	0.025	3.0	0.8407	0.0000	OK
720 minute winter	PP-S35	375	0.511	0.011	0.5	0.1388	0.0000	OK
720 minute winter	PP-S36	345	0.522	0.022	2.3	0.5120	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	10.8	0.929	0.146	0.1044	
720 minute winter	PP-S12	8.000_1	S12	14.8	0.786	0.162	0.1238	
720 minute winter	PP-S14	11.000_1	S14	10.5	0.923	0.127	0.1260	
720 minute winter	PP-S2	10.000_1	S2	17.9	0.873	0.197	0.1257	
720 minute winter	PP-S15	12.000_1	S15	-6.9	0.829	-0.073	0.1257	
720 minute winter	PP-S75	13.000_1	S75	13.6	0.855	0.138	0.1258	
720 minute winter	PP-S24	14.000_1	S92	7.6	1.144	0.074	0.1213	
720 minute winter	PP-S30	18.000_1	S30	1.8	0.906	0.016	0.1037	
720 minute winter	PP-S33	20.000_1	S33	1.6	0.969	0.014	0.1012	
720 minute winter	PP-S34	21.000_1	S34	3.0	1.205	0.025	0.0885	
720 minute winter	PP-S35	22.000_2	S35	0.5	0.715	0.004	0.0503	
720 minute winter	PP-S36	23.000_2	S36	2.3	1.156	0.019	0.0244	

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Results for 100 year +40% CC 960 minute summer. 2400 minute analysis at 15 minute timestep. Mass balance: 99.84%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute summer	S26	540	0.588	0.826	2.9	1.4595	0.0000	SURCHARGED
960 minute summer	S25	510	0.564	0.808	3.3	2.0561	0.0000	SURCHARGED
960 minute summer	S16	510	0.564	0.831	17.1	3.6856	0.0000	SURCHARGED
960 minute summer	S145	525	0.580	0.895	29.5	3.8541	0.0000	SURCHARGED
960 minute summer	S4	510	0.568	0.811	5.4	1.4332	0.0000	SURCHARGED
960 minute summer	S5	510	0.570	0.854	7.4	1.5091	0.0000	SURCHARGED
960 minute summer	S9	525	0.563	0.859	2.1	1.9781	0.0000	SURCHARGED
960 minute summer	S10	510	0.562	0.883	2.6	1.5601	0.0000	SURCHARGED
960 minute summer	S11	510	0.561	0.887	11.6	1.5682	0.0000	SURCHARGED
960 minute summer	S12	540	0.567	0.902	14.2	1.5939	0.0000	SURCHARGED
960 minute summer	S1	540	0.575	0.839	11.4	1.9752	0.0000	SURCHARGED
960 minute summer	S3	540	0.594	0.901	18.3	2.8811	0.0000	SURCHARGED
960 minute summer	S2	540	0.583	0.919	24.1	1.6246	0.0000	SURCHARGED
960 minute summer	S14	525	0.562	0.871	6.5	1.5397	0.0000	SURCHARGED
960 minute summer	S15	540	0.572	0.918	36.6	4.1315	0.0000	SURCHARGED
960 minute summer	S75	540	0.565	0.927	61.3	2.3599	0.0000	SURCHARGED
960 minute summer	S87	510	0.561	0.847	5.8	2.7468	0.0000	SURCHARGED
960 minute summer	S88	510	0.559	0.867	11.9	2.8278	0.0000	SURCHARGED
960 minute summer	S89	510	0.558	0.888	18.0	2.8770	0.0000	SURCHARGED
960 minute summer	S90	510	0.559	0.911	23.9	2.9000	0.0000	SURCHARGED
960 minute summer	S92	510	0.553	0.932	78.4	2.3709	0.0000	SURCHARGED
960 minute summer	S81	510	0.546	0.848	5.8	2.7381	0.0000	SURCHARGED
960 minute summer	S82	510	0.545	0.869	11.9	2.8203	0.0000	SURCHARGED
960 minute summer	S83	510	0.546	0.891	17.9	2.8747	0.0000	SURCHARGED
960 minute summer	S84	510	0.545	0.912	23.7	2.8936	0.0000	SURCHARGED
960 minute summer	S86	510	0.542	0.935	92.2	2.3788	0.0000	SURCHARGED
960 minute summer	S76	510	0.521	0.838	5.8	2.6946	0.0000	SURCHARGED
960 minute summer	S77	510	0.520	0.859	11.8	2.7765	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	3.5	0.046	0.050	9.2005	
960 minute summer	S25	2.000	S16	3.9	0.040	0.055	7.3393	
960 minute summer	S16	1.001	S145	17.7	0.138	0.248	15.0038	
960 minute summer	S145	1.002	S75	23.4	0.181	0.331	15.0038	
960 minute summer	S4	3.000	S5	3.3	0.072	0.047	13.1095	
960 minute summer	S5	3.001	S11	8.6	0.099	0.121	13.1095	
960 minute summer	S9	4.000	S10	2.6	0.111	0.036	8.0648	
960 minute summer	S10	4.001	S11	5.3	0.103	0.069	1.3780	
960 minute summer	S11	3.002	S12	14.2	0.090	0.202	2.8740	
960 minute summer	S12	3.003	S15	13.6	0.086	0.198	3.6838	
960 minute summer	S1	5.000	S3	14.0	0.102	0.197	13.5151	
960 minute summer	S3	5.001	S2	13.7	0.138	0.193	9.1848	
960 minute summer	S2	5.002	S15	20.9	0.132	0.307	3.4165	
960 minute summer	S14	6.000	S15	-6.5	-0.049	-0.093	11.8707	
960 minute summer	S15	3.004	S75	35.3	0.223	0.493	4.9661	
960 minute summer	S75	1.003	S92	59.4	0.375	0.835	5.3380	
960 minute summer	S87	7.000	S88	6.0	0.108	0.085	6.8747	
960 minute summer	S88	7.001	S89	12.1	0.145	0.170	6.8747	
960 minute summer	S89	7.002	S90	18.1	0.157	0.254	6.8747	
960 minute summer	S90	7.003	S92	23.9	0.186	0.339	8.6413	
960 minute summer	S92	1.005	S86	78.0	0.492	1.098	4.4095	
960 minute summer	S81	8.000	S82	6.0	0.107	0.085	6.8747	
960 minute summer	S82	8.001	S83	12.0	0.144	0.172	6.8747	
960 minute summer	S83	8.002	S84	17.9	0.150	0.252	6.8747	
960 minute summer	S84	8.003	S86	23.8	0.199	0.335	8.1975	
960 minute summer	S86	1.006	S30	92.6	0.585	1.305	4.4165	
960 minute summer	S76	9.000	S77	5.9	0.108	0.082	6.8747	
960 minute summer	S77	9.001	S78	11.8	0.144	0.165	6.8747	

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Results for 100 year +40% CC 960 minute summer. 2400 minute analysis at 15 minute timestep. Mass balance: 99.84%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute summer	S78	510	0.521	0.882	17.7	2.8344	0.0000	SURCHARGED
960 minute summer	S79	510	0.520	0.902	23.5	2.8487	0.0000	SURCHARGED
960 minute summer	S30	510	0.518	0.925	107.4	2.3529	0.0000	SURCHARGED
960 minute summer	S31	510	0.473	0.809	6.2	2.6796	0.0000	SURCHARGED
960 minute summer	S32	510	0.473	0.852	11.7	2.6316	0.0000	SURCHARGED
960 minute summer	S33	510	0.473	0.896	117.3	2.2801	0.0000	SURCHARGED
960 minute summer	S34	510	0.416	0.855	119.7	1.5109	0.0000	SURCHARGED
960 minute summer	S35	510	0.327	0.793	119.6	1.4004	0.0000	SURCHARGED
960 minute summer	S36	510	0.296	0.738	2.5	1.3044	0.0000	SURCHARGED
960 minute summer	S37	510	0.296	0.767	131.7	3.7712	0.0000	SURCHARGED
960 minute summer	S38	510	0.128	0.644	131.6	1.1371	0.0000	SURCHARGED
960 minute summer	S39	510	-0.042	0.520	131.6	0.9189	0.0000	SURCHARGED
960 minute summer	S56	510	-0.072	0.487	0.4	0.8606	0.0000	SURCHARGED
960 minute summer	S57	510	-0.072	0.493	131.6	1.2548	0.0000	SURCHARGED
960 minute summer	S125	510	-0.135	0.420	1.2	0.7429	0.0000	OK
960 minute summer	S127	510	-0.135	0.444	131.5	1.1310	0.0000	OK
960 minute summer	S119	1035	-0.168	0.401	1.1	0.7083	0.0000	OK
960 minute summer	S60	1035	-0.168	0.425	131.4	1.0810	0.0000	OK
960 minute summer	Pond Inlet 1	1035	-0.167	0.443	131.3	0.7828	0.0000	OK
960 minute summer	Pond Outlet	1005	-0.169	0.441	65.8	0.4991	0.0000	SURCHARGED
960 minute summer	S13	990	-0.169	0.469	0.2	1.6258	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	525	0.567	0.067	3.1	4.0990	0.0000	OK
960 minute summer	PP-S25	525	0.567	0.067	3.1	3.7929	0.0000	OK
960 minute summer	PP-S16	510	0.565	0.065	4.1	3.8954	0.0000	OK
960 minute summer	PP-S145	525	0.565	0.065	8.4	4.0228	0.0000	OK
960 minute summer	PP-S4	525	0.564	0.064	7.0	3.7479	0.0000	OK
960 minute summer	PP-S1	525	0.564	0.064	8.9	19.2099	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	17.7	0.151	0.254	6.8745	
960 minute summer	S79	9.003	S30	23.6	0.195	0.328	7.6907	
960 minute summer	S30	1.007	S33	107.1	0.676	1.504	5.0209	
960 minute summer	S31	10.000	S32	6.2	0.103	0.088	13.6740	
960 minute summer	S32	10.001	S33	11.7	0.150	0.164	13.6740	
960 minute summer	S33	1.008	S34	116.7	0.737	1.654	5.1108	
960 minute summer	S34	1.009	S35	119.2	0.753	1.679	8.5103	
960 minute summer	S35	1.010	S37	119.7	0.756	1.802	1.7947	
960 minute summer	S36	11.000	S37	2.5	-0.039	0.035	9.1184	
960 minute summer	S37	1.011	S38	131.6	0.831	1.863	14.3287	
960 minute summer	S38	1.012	S39	131.6	0.831	1.842	14.3287	
960 minute summer	S39	1.013	S57	131.6	0.831	2.077	1.1814	
960 minute summer	S56	12.011	S57	-0.4	-0.096	-0.006	2.0645	
960 minute summer	S57	1.014	S127	131.5	0.830	1.859	4.4433	
960 minute summer	S125	21.003	S127	-1.2	-0.064	-0.018	7.6980	
960 minute summer	S127	1.015	S60	131.4	0.857	1.845	4.2571	
960 minute summer	S119	22.003	S60	-1.1	-0.121	-0.016	7.5003	
960 minute summer	S60	1.016	Pond Inlet 1	131.3	0.976	1.734	4.6682	
960 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	65.8	0.016	0.001	2383.4475	
960 minute summer	Pond Outlet	1.018	S13	0.2	0.155	0.003	0.4779	
960 minute summer	S13	Pump	Final Outfall	0.0				0.0
960 minute summer	PP-S26	1.000_1	S26	2.7	0.485	0.071	0.1780	
960 minute summer	PP-S25	2.000_1	S25	3.3	0.618	0.057	0.0802	
960 minute summer	PP-S16	3.000_1	S16	9.8	0.818	0.146	0.0931	
960 minute summer	PP-S145	4.000_2	S145	15.4	1.005	0.182	0.1203	
960 minute summer	PP-S4	1.000_2	S4	5.4	0.709	0.095	0.0782	
960 minute summer	PP-S1	4.000_1	S1	9.9	0.970	0.149	0.0938	

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Results for 100 year +40% CC 960 minute summer. 2400 minute analysis at 15 minute timestep. Mass balance: 99.84%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute summer	PP-S5	510	0.564	0.064	6.2	4.1153	0.0000	OK
960 minute summer	PP-S12	525	0.563	0.063	8.7	4.7938	0.0000	OK
960 minute summer	PP-S14	540	0.561	0.061	6.3	15.5641	0.0000	OK
960 minute summer	PP-S2	510	0.562	0.062	4.1	5.5085	0.0000	OK
960 minute summer	PP-S15	525	0.562	0.062	4.2	2.7647	0.0000	OK
960 minute summer	PP-S75	510	0.562	0.062	5.2	3.1405	0.0000	OK
960 minute summer	PP-S24	525	0.552	0.052	4.3	3.2926	0.0000	OK
960 minute summer	PP-S30	510	0.518	0.018	1.4	0.4103	0.0000	OK
960 minute summer	PP-S33	480	0.519	0.019	1.7	0.3741	0.0000	OK
960 minute summer	PP-S34	480	0.526	0.026	3.3	0.9267	0.0000	OK
960 minute summer	PP-S35	495	0.511	0.011	0.5	0.1389	0.0000	OK
960 minute summer	PP-S36	480	0.523	0.023	2.5	0.5495	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	6.3	0.951	0.085	0.1041	
960 minute summer	PP-S12	8.000_1	S12	10.3	0.818	0.113	0.1190	
960 minute summer	PP-S14	11.000_1	S14	6.5	0.840	0.079	0.1088	
960 minute summer	PP-S2	10.000_1	S2	13.5	0.907	0.148	0.1203	
960 minute summer	PP-S15	12.000_1	S15	-2.8	0.843	-0.029	0.1208	
960 minute summer	PP-S75	13.000_1	S75	9.6	0.855	0.097	0.1218	
960 minute summer	PP-S24	14.000_1	S92	5.1	1.152	0.049	0.1170	
960 minute summer	PP-S30	18.000_1	S30	1.5	0.922	0.013	0.1032	
960 minute summer	PP-S33	20.000_1	S33	1.7	0.986	0.015	0.1008	
960 minute summer	PP-S34	21.000_1	S34	3.3	1.273	0.028	0.0874	
960 minute summer	PP-S35	22.000_2	S35	0.5	0.748	0.004	0.0488	
960 minute summer	PP-S36	23.000_2	S36	2.5	1.181	0.021	0.0237	

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Results for 100 year +40% CC 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	0.448	0.686	1.4	1.2115	0.0000	SURCHARGED
960 minute winter	S25	525	0.448	0.692	1.2	1.7601	0.0000	SURCHARGED
960 minute winter	S16	525	0.448	0.715	9.8	3.1689	0.0000	SURCHARGED
960 minute winter	S145	525	0.447	0.762	19.3	3.2797	0.0000	SURCHARGED
960 minute winter	S4	525	0.446	0.689	1.9	1.2178	0.0000	SURCHARGED
960 minute winter	S5	525	0.446	0.730	4.7	1.2901	0.0000	SURCHARGED
960 minute winter	S9	525	0.446	0.742	1.6	1.7095	0.0000	SURCHARGED
960 minute winter	S10	525	0.446	0.767	1.5	1.3552	0.0000	SURCHARGED
960 minute winter	S11	525	0.446	0.772	6.1	1.3640	0.0000	SURCHARGED
960 minute winter	S12	525	0.446	0.781	7.2	1.3797	0.0000	SURCHARGED
960 minute winter	S1	525	0.447	0.711	6.3	1.6747	0.0000	SURCHARGED
960 minute winter	S3	525	0.447	0.754	10.3	2.4106	0.0000	SURCHARGED
960 minute winter	S2	525	0.446	0.782	11.7	1.3819	0.0000	SURCHARGED
960 minute winter	S14	525	0.446	0.755	0.6	1.3335	0.0000	SURCHARGED
960 minute winter	S15	525	0.446	0.792	25.6	3.5633	0.0000	SURCHARGED
960 minute winter	S75	525	0.443	0.805	45.9	2.0487	0.0000	SURCHARGED
960 minute winter	S87	525	0.437	0.723	4.3	2.3449	0.0000	SURCHARGED
960 minute winter	S88	525	0.437	0.745	8.4	2.4286	0.0000	SURCHARGED
960 minute winter	S89	525	0.436	0.766	12.6	2.4839	0.0000	SURCHARGED
960 minute winter	S90	525	0.436	0.788	16.7	2.5085	0.0000	SURCHARGED
960 minute winter	S92	525	0.434	0.813	65.0	2.0689	0.0000	SURCHARGED
960 minute winter	S81	525	0.421	0.723	4.3	2.3347	0.0000	SURCHARGED
960 minute winter	S82	525	0.421	0.745	8.4	2.4189	0.0000	SURCHARGED
960 minute winter	S83	525	0.421	0.766	12.6	2.4714	0.0000	SURCHARGED
960 minute winter	S84	525	0.420	0.787	16.7	2.4958	0.0000	SURCHARGED
960 minute winter	S86	525	0.418	0.811	81.4	2.0645	0.0000	SURCHARGED
960 minute winter	S76	525	0.396	0.713	4.3	2.2930	0.0000	SURCHARGED
960 minute winter	S77	525	0.396	0.735	8.4	2.3767	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	1.5	0.043	0.021	9.2005	
960 minute winter	S25	2.000	S16	1.3	0.034	0.019	7.3393	
960 minute winter	S16	1.001	S145	9.7	0.143	0.136	15.0038	
960 minute winter	S145	1.002	S75	19.1	0.174	0.271	15.0038	
960 minute winter	S4	3.000	S5	1.9	0.082	0.027	13.1095	
960 minute winter	S5	3.001	S11	4.7	0.106	0.065	13.1095	
960 minute winter	S9	4.000	S10	1.5	0.105	0.022	8.0648	
960 minute winter	S10	4.001	S11	1.6	0.054	0.021	1.3780	
960 minute winter	S11	3.002	S12	6.2	0.043	0.088	2.8740	
960 minute winter	S12	3.003	S15	7.2	0.046	0.105	3.6838	
960 minute winter	S1	5.000	S3	6.3	0.103	0.088	13.5151	
960 minute winter	S3	5.001	S2	10.2	0.129	0.144	9.1848	
960 minute winter	S2	5.002	S15	11.7	0.092	0.172	3.4165	
960 minute winter	S14	6.000	S15	-0.5	-0.047	-0.008	11.8707	
960 minute winter	S15	3.004	S75	25.7	0.162	0.359	4.9661	
960 minute winter	S75	1.003	S92	45.9	0.290	0.645	5.3380	
960 minute winter	S87	7.000	S88	4.1	0.108	0.057	6.8747	
960 minute winter	S88	7.001	S89	8.3	0.142	0.116	6.8747	
960 minute winter	S89	7.002	S90	12.5	0.161	0.175	6.8747	
960 minute winter	S90	7.003	S92	16.6	0.143	0.236	8.6413	
960 minute winter	S92	1.005	S86	65.0	0.411	0.915	4.4095	
960 minute winter	S81	8.000	S82	4.1	0.106	0.057	6.8747	
960 minute winter	S82	8.001	S83	8.3	0.138	0.119	6.8747	
960 minute winter	S83	8.002	S84	12.5	0.159	0.175	6.8747	
960 minute winter	S84	8.003	S86	16.6	0.130	0.234	8.1975	
960 minute winter	S86	1.006	S30	81.5	0.514	1.148	4.4165	
960 minute winter	S76	9.000	S77	4.1	0.107	0.058	6.8747	
960 minute winter	S77	9.001	S78	8.3	0.138	0.117	6.8747	

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Results for 100 year +40% CC 960 minute winter. 2400 minute analysis at 15 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute winter	S78	525	0.396	0.757	12.6	2.4324	0.0000	SURCHARGED
960 minute winter	S79	525	0.395	0.777	16.7	2.4546	0.0000	SURCHARGED
960 minute winter	S30	525	0.393	0.800	99.0	2.0372	0.0000	SURCHARGED
960 minute winter	S31	525	0.354	0.690	4.6	2.2860	0.0000	SURCHARGED
960 minute winter	S32	525	0.354	0.733	8.4	2.2637	0.0000	SURCHARGED
960 minute winter	S33	525	0.353	0.776	108.4	1.9760	0.0000	SURCHARGED
960 minute winter	S34	525	0.305	0.744	110.7	1.3142	0.0000	SURCHARGED
960 minute winter	S35	525	0.228	0.694	111.0	1.2269	0.0000	SURCHARGED
960 minute winter	S36	525	0.202	0.644	1.9	1.1385	0.0000	SURCHARGED
960 minute winter	S37	525	0.202	0.673	120.3	3.3098	0.0000	SURCHARGED
960 minute winter	S38	525	0.061	0.577	120.2	1.0197	0.0000	SURCHARGED
960 minute winter	S39	525	-0.079	0.483	120.1	0.8538	0.0000	SURCHARGED
960 minute winter	S56	525	-0.103	0.456	0.3	0.8049	0.0000	SURCHARGED
960 minute winter	S57	525	-0.103	0.462	120.1	1.1746	0.0000	SURCHARGED
960 minute winter	S125	2370	-0.122	0.433	0.4	0.7657	0.0000	OK
960 minute winter	S127	1530	-0.122	0.457	120.1	1.1635	0.0000	SURCHARGED
960 minute winter	S119	1530	-0.122	0.447	0.6	0.7905	0.0000	OK
960 minute winter	S60	1530	-0.122	0.471	120.0	1.1992	0.0000	SURCHARGED
960 minute winter	Pond Inlet 1	975	-0.117	0.493	119.9	0.8715	0.0000	OK
960 minute winter	Pond Outlet	990	-0.123	0.487	60.0	0.5504	0.0000	SURCHARGED
960 minute winter	S13	1095	-0.123	0.515	0.2	1.7830	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	495	0.529	0.029	1.4	0.8110	0.0000	OK
960 minute winter	PP-S25	495	0.523	0.023	1.2	0.4758	0.0000	OK
960 minute winter	PP-S16	495	0.528	0.028	2.1	0.7353	0.0000	OK
960 minute winter	PP-S145	495	0.527	0.027	2.4	0.7130	0.0000	OK
960 minute winter	PP-S4	510	0.529	0.029	1.9	0.7729	0.0000	OK
960 minute winter	PP-S1	510	0.542	0.042	4.8	11.3243	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	12.5	0.156	0.180	6.8745	
960 minute winter	S79	9.003	S30	16.6	0.123	0.231	7.6907	
960 minute winter	S30	1.007	S33	98.9	0.624	1.389	5.0209	
960 minute winter	S31	10.000	S32	4.4	0.106	0.062	13.6740	
960 minute winter	S32	10.001	S33	8.3	0.102	0.116	13.6740	
960 minute winter	S33	1.008	S34	108.3	0.684	1.536	5.1108	
960 minute winter	S34	1.009	S35	110.7	0.699	1.559	8.5103	
960 minute winter	S35	1.010	S37	111.0	0.701	1.671	1.7947	
960 minute winter	S36	11.000	S37	1.8	0.028	0.025	9.1184	
960 minute winter	S37	1.011	S38	120.2	0.759	1.701	14.3287	
960 minute winter	S38	1.012	S39	120.1	0.758	1.681	14.3287	
960 minute winter	S39	1.013	S57	120.1	0.758	1.896	1.1814	
960 minute winter	S56	12.011	S57	-0.3	-0.037	-0.005	2.0645	
960 minute winter	S57	1.014	S127	120.1	0.763	1.697	4.4410	
960 minute winter	S125	21.003	S127	-0.4	-0.024	-0.006	7.7695	
960 minute winter	S127	1.015	S60	120.0	0.802	1.685	4.3871	
960 minute winter	S119	22.003	S60	-0.6	-0.048	-0.009	7.8107	
960 minute winter	S60	1.016	Pond Inlet 1	119.9	0.893	1.583	4.7280	
960 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	60.0	0.018	0.001	2648.5029	
960 minute winter	Pond Outlet	1.018	S13	0.2	0.158	0.002	0.4779	
960 minute winter	S13	Pump	Final Outfall	0.0				0.0
960 minute winter	PP-S26	1.000_1	S26	1.4	0.459	0.036	0.0302	
960 minute winter	PP-S25	2.000_1	S25	1.2	0.577	0.021	0.0104	
960 minute winter	PP-S16	3.000_1	S16	2.1	0.761	0.031	0.0151	
960 minute winter	PP-S145	4.000_2	S145	2.4	0.926	0.028	0.0366	
960 minute winter	PP-S4	1.000_2	S4	1.9	0.657	0.033	0.0145	
960 minute winter	PP-S1	4.000_1	S1	4.7	0.945	0.070	0.0247	

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Results for 100 year +40% CC 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	495	0.531	0.031	2.8	0.9795	0.0000	OK
960 minute winter	PP-S12	480	0.517	0.017	1.0	0.4091	0.0000	OK
960 minute winter	PP-S14	585	0.506	0.006	0.1	0.1616	0.0000	OK
960 minute winter	PP-S2	480	0.520	0.020	1.5	0.9177	0.0000	OK
960 minute winter	PP-S15	495	0.518	0.018	1.2	0.3211	0.0000	OK
960 minute winter	PP-S75	480	0.517	0.017	1.1	0.3374	0.0000	OK
960 minute winter	PP-S24	480	0.526	0.026	2.8	0.8465	0.0000	OK
960 minute winter	PP-S30	495	0.516	0.016	1.1	0.3144	0.0000	OK
960 minute winter	PP-S33	480	0.517	0.017	1.2	0.2788	0.0000	OK
960 minute winter	PP-S34	495	0.523	0.023	2.4	0.7096	0.0000	OK
960 minute winter	PP-S35	510	0.510	0.010	0.4	0.1160	0.0000	OK
960 minute winter	PP-S36	495	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)
960 minute winter	PP-S5	2.000_2	S5	2.9	0.884	0.039	0.0226	
960 minute winter	PP-S12	8.000_1	S12	1.0	0.751	0.011	0.0447	
960 minute winter	PP-S14	11.000_1	S14	0.1	0.356	0.001	0.0279	
960 minute winter	PP-S2	10.000_1	S2	1.5	0.851	0.017	0.0463	
960 minute winter	PP-S15	12.000_1	S15	1.2	0.808	0.013	0.0509	
960 minute winter	PP-S75	13.000_1	S75	1.1	0.819	0.011	0.0582	
960 minute winter	PP-S24	14.000_1	S92	2.8	1.110	0.028	0.0636	
960 minute winter	PP-S30	18.000_1	S30	1.1	0.882	0.010	0.0569	
960 minute winter	PP-S33	20.000_1	S33	1.2	0.930	0.011	0.0416	
960 minute winter	PP-S34	21.000_1	S34	2.4	1.173	0.020	0.0265	
960 minute winter	PP-S35	22.000_2	S35	0.4	0.715	0.003	0.0028	
960 minute winter	PP-S36	23.000_2	S36	1.9	1.102	0.016	0.0086	

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Results for 100 year +40% CC 1440 minute summer. 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 summer	S26	780	0.268	0.506	1.3	0.8945	0.0000	SURCHARGED
1440 minute summer	S25	780	0.268	0.512	1.2	1.3038	0.0000	SURCHARGED
1440 minute summer	S16	780	0.268	0.535	8.4	2.3741	0.0000	SURCHARGED
1440 minute summer	S145	780	0.268	0.583	16.4	2.5087	0.0000	SURCHARGED
1440 minute summer	S4	780	0.267	0.510	1.8	0.9017	0.0000	SURCHARGED
1440 minute summer	S5	780	0.267	0.551	3.9	0.9743	0.0000	SURCHARGED
1440 minute summer	S9	780	0.267	0.563	1.5	1.2976	0.0000	SURCHARGED
1440 minute summer	S10	780	0.267	0.588	1.3	1.0394	0.0000	SURCHARGED
1440 minute summer	S11	780	0.267	0.593	5.8	1.0482	0.0000	SURCHARGED
1440 minute summer	S12	780	0.267	0.602	7.0	1.0639	0.0000	SURCHARGED
1440 minute summer	S1	780	0.268	0.532	5.9	1.2528	0.0000	SURCHARGED
1440 minute summer	S3	780	0.268	0.575	8.9	1.8381	0.0000	SURCHARGED
1440 minute summer	S2	780	0.267	0.603	10.3	1.0660	0.0000	SURCHARGED
1440 minute summer	S14	780	0.267	0.576	0.7	1.0177	0.0000	SURCHARGED
1440 minute summer	S15	780	0.267	0.613	22.5	2.7590	0.0000	SURCHARGED
1440 minute summer	S75	780	0.265	0.627	40.1	1.5954	0.0000	SURCHARGED
1440 minute summer	S87	780	0.260	0.546	4.1	1.7717	0.0000	SURCHARGED
1440 minute summer	S88	780	0.260	0.568	7.7	1.8525	0.0000	SURCHARGED
1440 minute summer	S89	780	0.260	0.590	11.4	1.9116	0.0000	SURCHARGED
1440 minute summer	S90	780	0.259	0.611	15.1	1.9468	0.0000	SURCHARGED
1440 minute summer	S92	780	0.258	0.637	56.8	1.6211	0.0000	SURCHARGED
1440 minute summer	S81	780	0.248	0.550	4.1	1.7761	0.0000	SURCHARGED
1440 minute summer	S82	780	0.248	0.572	7.8	1.8573	0.0000	SURCHARGED
1440 minute summer	S83	780	0.248	0.593	11.6	1.9133	0.0000	SURCHARGED
1440 minute summer	S84	780	0.247	0.614	15.3	1.9481	0.0000	SURCHARGED
1440 minute summer	S86	780	0.246	0.639	71.2	1.6261	0.0000	SURCHARGED
1440 minute summer	S76	780	0.229	0.546	4.1	1.7556	0.0000	SURCHARGED
1440 minute summer	S77	780	0.229	0.568	7.8	1.8364	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	1.5	0.047	0.021	9.2005	
1440 minute summer	S25	2.000	S16	1.3	0.038	0.018	7.3393	
1440 minute summer	S16	1.001	S145	9.1	0.123	0.127	15.0038	
1440 minute summer	S145	1.002	S75	16.5	0.151	0.235	15.0038	
1440 minute summer	S4	3.000	S5	1.9	0.078	0.028	13.1095	
1440 minute summer	S5	3.001	S11	4.6	0.119	0.064	13.1095	
1440 minute summer	S9	4.000	S10	1.3	0.077	0.018	8.0648	
1440 minute summer	S10	4.001	S11	1.5	0.016	0.020	1.3780	
1440 minute summer	S11	3.002	S12	6.4	0.048	0.090	2.8740	
1440 minute summer	S12	3.003	S15	7.2	0.049	0.105	3.6838	
1440 minute summer	S1	5.000	S3	5.6	0.101	0.079	13.5151	
1440 minute summer	S3	5.001	S2	9.0	0.118	0.127	9.1848	
1440 minute summer	S2	5.002	S15	10.4	0.072	0.152	3.4165	
1440 minute summer	S14	6.000	S15	-0.6	-0.023	-0.009	11.8707	
1440 minute summer	S15	3.004	S75	22.7	0.143	0.317	4.9661	
1440 minute summer	S75	1.003	S92	40.2	0.254	0.565	5.3380	
1440 minute summer	S87	7.000	S88	3.5	0.097	0.050	6.8747	
1440 minute summer	S88	7.001	S89	7.2	0.134	0.101	6.8747	
1440 minute summer	S89	7.002	S90	11.0	0.152	0.154	6.8747	
1440 minute summer	S90	7.003	S92	14.6	0.121	0.208	8.6413	
1440 minute summer	S92	1.005	S86	56.9	0.359	0.801	4.4095	
1440 minute summer	S81	8.000	S82	3.6	0.096	0.050	6.8747	
1440 minute summer	S82	8.001	S83	7.4	0.132	0.106	6.8747	
1440 minute summer	S83	8.002	S84	11.2	0.140	0.157	6.8747	
1440 minute summer	S84	8.003	S86	14.9	0.098	0.209	8.1975	
1440 minute summer	S86	1.006	S30	71.3	0.450	1.005	4.4165	
1440 minute summer	S76	9.000	S77	3.6	0.097	0.050	6.8747	
1440 minute summer	S77	9.001	S78	7.4	0.130	0.103	6.8747	

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Results for 100 year +40% CC 1440 minute summer. 2880 minute analysis at 30 minute timestep. Mass balance: 99.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute summer	S78	780	0.229	0.590	11.6	1.8955	0.0000	SURCHARGED
1440 minute summer	S79	780	0.228	0.610	15.3	1.9276	0.0000	SURCHARGED
1440 minute summer	S30	780	0.227	0.634	86.4	1.6136	0.0000	SURCHARGED
1440 minute summer	S31	780	0.197	0.533	4.4	1.7654	0.0000	SURCHARGED
1440 minute summer	S32	780	0.197	0.576	7.6	1.7784	0.0000	SURCHARGED
1440 minute summer	S33	780	0.196	0.619	94.7	1.5765	0.0000	SURCHARGED
1440 minute summer	S34	780	0.159	0.598	96.7	1.0571	0.0000	SURCHARGED
1440 minute summer	S35	780	0.101	0.567	97.1	1.0018	0.0000	SURCHARGED
1440 minute summer	S36	780	0.081	0.523	1.8	0.9242	0.0000	SURCHARGED
1440 minute summer	S37	780	0.081	0.552	104.8	2.7138	0.0000	SURCHARGED
1440 minute summer	S38	780	-0.026	0.490	104.9	0.8654	0.0000	SURCHARGED
1440 minute summer	S39	780	-0.129	0.433	104.9	0.7653	0.0000	OK
1440 minute summer	S56	2220	-0.138	0.421	0.1	0.7431	0.0000	OK
1440 minute summer	S57	2820	-0.138	0.427	105.0	1.0855	0.0000	OK
1440 minute summer	S125	2760	-0.138	0.417	0.3	0.7363	0.0000	OK
1440 minute summer	S127	2340	-0.138	0.441	105.1	1.1212	0.0000	OK
1440 minute summer	S119	2220	-0.138	0.431	0.2	0.7611	0.0000	OK
1440 minute summer	S60	2400	-0.138	0.455	105.1	1.1569	0.0000	SURCHARGED
1440 minute summer	Pond Inlet 1	1470	-0.133	0.477	105.1	0.8423	0.0000	OK
1440 minute summer	Pond Outlet	1500	-0.140	0.470	52.6	0.5319	0.0000	SURCHARGED
1440 minute summer	S13	1650	-0.140	0.498	0.1	1.7263	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	0.529	0.029	1.3	0.7598	0.0000	OK
1440 minute summer	PP-S25	750	0.522	0.022	1.1	0.4392	0.0000	OK
1440 minute summer	PP-S16	750	0.527	0.027	2.0	0.7029	0.0000	OK
1440 minute summer	PP-S145	750	0.526	0.026	2.3	0.6854	0.0000	OK
1440 minute summer	PP-S4	750	0.528	0.028	1.8	0.7338	0.0000	OK
1440 minute summer	PP-S1	750	0.540	0.040	4.6	10.7764	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	11.2	0.128	0.161	6.8745	
1440 minute summer	S79	9.003	S30	14.9	0.094	0.207	7.6907	
1440 minute summer	S30	1.007	S33	86.5	0.546	1.215	5.0209	
1440 minute summer	S31	10.000	S32	3.8	0.103	0.054	13.6740	
1440 minute summer	S32	10.001	S33	7.2	0.055	0.101	13.6740	
1440 minute summer	S33	1.008	S34	94.7	0.598	1.343	5.1108	
1440 minute summer	S34	1.009	S35	96.8	0.611	1.362	8.5103	
1440 minute summer	S35	1.010	S37	97.1	0.613	1.461	1.7947	
1440 minute summer	S36	11.000	S37	1.6	-0.049	0.022	9.1184	
1440 minute summer	S37	1.011	S38	104.9	0.662	1.485	14.3287	
1440 minute summer	S38	1.012	S39	104.9	0.662	1.469	14.2434	
1440 minute summer	S39	1.013	S57	105.0	0.677	1.657	1.1561	
1440 minute summer	S56	12.011	S57	-0.1	-0.003	-0.001	2.0161	
1440 minute summer	S57	1.014	S127	105.0	0.700	1.485	4.3936	
1440 minute summer	S125	21.003	S127	-0.3	-0.011	-0.004	7.6658	
1440 minute summer	S127	1.015	S60	105.1	0.741	1.475	4.3754	
1440 minute summer	S119	22.003	S60	-0.2	-0.017	-0.003	7.7575	
1440 minute summer	S60	1.016	Pond Inlet 1	105.1	0.818	1.387	4.7277	
1440 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	52.6	0.014	0.001	2552.4126	
1440 minute summer	Pond Outlet	1.018	S13	0.1	0.076	0.002	0.4779	
1440 minute summer	S13	Pump	Final Outfall	0.0				0.0
1440 minute summer	PP-S26	1.000_1	S26	1.3	0.450	0.034	0.0288	
1440 minute summer	PP-S25	2.000_1	S25	1.1	0.563	0.019	0.0098	
1440 minute summer	PP-S16	3.000_1	S16	2.0	0.750	0.030	0.0133	
1440 minute summer	PP-S145	4.000_2	S145	2.3	0.914	0.027	0.0126	
1440 minute summer	PP-S4	1.000_2	S4	1.8	0.646	0.032	0.0139	
1440 minute summer	PP-S1	4.000_1	S1	4.3	0.925	0.065	0.0234	

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Results for 100 year +40% CC 1440 minute summer. 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 summer	PP-S5	750	0.530	0.030	2.7	0.9465	0.0000	OK
1440 minute summer	PP-S12	750	0.517	0.017	1.0	0.4091	0.0000	OK
1440 minute summer	PP-S14	780	0.506	0.006	0.1	0.1602	0.0000	OK
1440 minute summer	PP-S2	750	0.520	0.020	1.4	0.8658	0.0000	OK
1440 minute summer	PP-S15	750	0.517	0.017	1.1	0.3026	0.0000	OK
1440 minute summer	PP-S75	750	0.517	0.017	1.1	0.3374	0.0000	OK
1440 minute summer	PP-S24	750	0.526	0.026	2.7	0.8192	0.0000	OK
1440 minute summer	PP-S30	750	0.515	0.015	1.0	0.2951	0.0000	OK
1440 minute summer	PP-S33	750	0.517	0.017	1.2	0.2788	0.0000	OK
1440 minute summer	PP-S34	750	0.522	0.022	2.3	0.6815	0.0000	OK
1440 minute summer	PP-S35	780	0.508	0.008	0.3	0.0897	0.0000	OK
1440 minute summer	PP-S36	750	0.520	0.020	1.8	0.4164	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	2.7	0.875	0.036	0.0154	
1440 minute summer	PP-S12	8.000_1	S12	1.0	0.751	0.011	0.0067	
1440 minute summer	PP-S14	11.000_1	S14	0.1	0.355	0.001	0.0014	
1440 minute summer	PP-S2	10.000_1	S2	1.4	0.836	0.015	0.0084	
1440 minute summer	PP-S15	12.000_1	S15	1.1	0.793	0.012	0.0069	
1440 minute summer	PP-S75	13.000_1	S75	1.1	0.819	0.011	0.0067	
1440 minute summer	PP-S24	14.000_1	S92	2.7	1.099	0.026	0.0123	
1440 minute summer	PP-S30	18.000_1	S30	1.0	0.864	0.009	0.0058	
1440 minute summer	PP-S33	20.000_1	S33	1.2	0.930	0.011	0.0065	
1440 minute summer	PP-S34	21.000_1	S34	2.3	1.158	0.019	0.0099	
1440 minute summer	PP-S35	22.000_2	S35	0.3	0.659	0.002	0.0023	
1440 minute summer	PP-S36	23.000_2	S36	1.8	1.084	0.015	0.0083	

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Results for 100 year +40% CC 1440 minute winter. 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 winter	S26	810	0.047	0.285	1.0	0.5031	0.0000	OK
1440 minute winter	S25	810	0.047	0.291	0.8	0.7398	0.0000	OK
1440 minute winter	S16	810	0.047	0.314	6.9	1.3909	0.0000	OK
1440 minute winter	S145	810	0.046	0.361	13.5	1.5552	0.0000	OK
1440 minute winter	S4	810	0.046	0.289	1.4	0.5107	0.0000	OK
1440 minute winter	S5	810	0.046	0.330	3.2	0.5831	0.0000	OK
1440 minute winter	S9	810	0.046	0.342	1.1	0.7877	0.0000	OK
1440 minute winter	S10	810	0.046	0.367	1.0	0.6483	0.0000	OK
1440 minute winter	S11	810	0.046	0.372	4.3	0.6571	0.0000	OK
1440 minute winter	S12	810	0.046	0.381	5.1	0.6729	0.0000	OK
1440 minute winter	S1	810	0.046	0.310	4.5	0.7311	0.0000	OK
1440 minute winter	S3	810	0.046	0.353	7.4	1.1297	0.0000	OK
1440 minute winter	S2	810	0.046	0.382	8.3	0.6749	0.0000	OK
1440 minute winter	S14	810	0.046	0.355	0.3	0.6269	0.0000	OK
1440 minute winter	S15	810	0.046	0.392	17.9	1.7633	0.0000	OK
1440 minute winter	S75	810	0.045	0.407	32.0	1.0348	0.0000	OK
1440 minute winter	S87	810	0.042	0.328	3.1	1.0643	0.0000	OK
1440 minute winter	S88	810	0.042	0.350	6.2	1.1415	0.0000	OK
1440 minute winter	S89	810	0.042	0.372	9.2	1.2053	0.0000	OK
1440 minute winter	S90	810	0.042	0.394	12.1	1.2534	0.0000	OK
1440 minute winter	S92	810	0.041	0.420	45.3	1.0686	0.0000	OK
1440 minute winter	S81	810	0.036	0.338	3.1	1.0898	0.0000	OK
1440 minute winter	S82	810	0.035	0.359	6.2	1.1672	0.0000	OK
1440 minute winter	S83	810	0.035	0.380	9.2	1.2277	0.0000	OK
1440 minute winter	S84	810	0.035	0.402	12.1	1.2751	0.0000	OK
1440 minute winter	S86	810	0.034	0.427	56.9	1.0876	0.0000	OK
1440 minute winter	S76	810	0.025	0.342	3.1	1.1002	0.0000	OK
1440 minute winter	S77	810	0.025	0.364	6.2	1.1773	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	0.9	0.047	0.013	6.4945	
1440 minute winter	S25	2.000	S16	0.8	0.040	0.012	5.2405	
1440 minute winter	S16	1.001	S145	6.8	0.128	0.095	12.0428	
1440 minute winter	S145	1.002	S75	13.4	0.157	0.189	13.5925	
1440 minute winter	S4	3.000	S5	1.3	0.071	0.018	9.6033	
1440 minute winter	S5	3.001	S11	3.2	0.090	0.045	10.9495	
1440 minute winter	S9	4.000	S10	1.0	0.078	0.015	6.8109	
1440 minute winter	S10	4.001	S11	1.1	0.049	0.015	1.2110	
1440 minute winter	S11	3.002	S12	4.5	0.041	0.064	2.5681	
1440 minute winter	S12	3.003	S15	5.2	0.039	0.075	3.3658	
1440 minute winter	S1	5.000	S3	4.5	0.101	0.063	10.6688	
1440 minute winter	S3	5.001	S2	7.2	0.117	0.102	8.0265	
1440 minute winter	S2	5.002	S15	8.2	0.073	0.120	3.1255	
1440 minute winter	S14	6.000	S15	-0.3	-0.028	-0.004	10.5086	
1440 minute winter	S15	3.004	S75	17.9	0.122	0.251	4.6573	
1440 minute winter	S75	1.003	S92	32.1	0.211	0.451	5.1318	
1440 minute winter	S87	7.000	S88	3.0	0.098	0.042	5.5568	
1440 minute winter	S88	7.001	S89	6.0	0.128	0.084	5.9097	
1440 minute winter	S89	7.002	S90	9.0	0.136	0.126	6.2287	
1440 minute winter	S90	7.003	S92	11.9	0.132	0.168	8.2067	
1440 minute winter	S92	1.005	S86	45.3	0.293	0.638	4.3061	
1440 minute winter	S81	8.000	S82	3.0	0.096	0.042	5.7123	
1440 minute winter	S82	8.001	S83	6.0	0.122	0.086	6.0453	
1440 minute winter	S83	8.002	S84	9.0	0.133	0.126	6.3420	
1440 minute winter	S84	8.003	S86	11.9	0.131	0.168	7.8890	
1440 minute winter	S86	1.006	S30	56.8	0.365	0.800	4.3444	
1440 minute winter	S76	9.000	S77	3.0	0.096	0.042	5.7874	
1440 minute winter	S77	9.001	S78	6.0	0.118	0.084	6.1212	

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Results for 100 year +40% CC 1440 minute winter. 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 winter	S78	810	0.025	0.386	9.2	1.2406	0.0000	OK
1440 minute winter	S79	810	0.025	0.407	12.1	1.2847	0.0000	OK
1440 minute winter	S30	810	0.024	0.431	69.3	1.0971	0.0000	OK
1440 minute winter	S31	810	0.008	0.344	3.3	1.1386	0.0000	OK
1440 minute winter	S32	810	0.008	0.387	6.0	1.1942	0.0000	OK
1440 minute winter	S33	810	0.007	0.430	75.9	1.0956	0.0000	OK
1440 minute winter	S34	810	-0.013	0.426	77.6	0.7531	0.0000	OK
1440 minute winter	S35	810	-0.044	0.422	77.8	0.7460	0.0000	OK
1440 minute winter	S36	810	-0.056	0.386	1.3	0.6826	0.0000	OK
1440 minute winter	S37	810	-0.056	0.415	84.4	2.0417	0.0000	OK
1440 minute winter	S38	2070	-0.089	0.427	84.3	0.7553	0.0000	OK
1440 minute winter	S39	2190	-0.088	0.474	84.1	0.8368	0.0000	SURCHARGED
1440 minute winter	S56	2190	-0.088	0.471	0.1	0.8315	0.0000	SURCHARGED
1440 minute winter	S57	2160	-0.088	0.477	84.1	1.2128	0.0000	SURCHARGED
1440 minute winter	S125	1920	-0.088	0.467	0.7	0.8250	0.0000	SURCHARGED
1440 minute winter	S127	1920	-0.089	0.490	84.0	1.2483	0.0000	SURCHARGED
1440 minute winter	S119	2760	-0.088	0.481	0.3	0.8494	0.0000	SURCHARGED
1440 minute winter	S60	2820	-0.088	0.505	83.8	1.2841	0.0000	SURCHARGED
1440 minute winter	Pond Inlet 1	1470	-0.084	0.526	83.5	0.9293	0.0000	OK
1440 minute winter	Pond Outlet	1620	-0.090	0.520	41.8	0.5880	0.0000	SURCHARGED
1440 minute winter	S13	1950	-0.090	0.548	0.1	1.8981	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	750	0.525	0.025	1.0	0.5963	0.0000	OK
1440 minute winter	PP-S25	750	0.519	0.019	0.8	0.3266	0.0000	OK
1440 minute winter	PP-S16	750	0.524	0.024	1.5	0.5369	0.0000	OK
1440 minute winter	PP-S145	750	0.523	0.023	1.7	0.5160	0.0000	OK
1440 minute winter	PP-S4	750	0.525	0.025	1.4	0.5811	0.0000	OK
1440 minute winter	PP-S1	780	0.535	0.035	3.4	9.0269	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	9.0	0.133	0.129	6.4097	
1440 minute winter	S79	9.003	S30	11.9	0.123	0.166	7.4489	
1440 minute winter	S30	1.007	S33	69.2	0.445	0.973	4.9478	
1440 minute winter	S31	10.000	S32	3.1	0.086	0.044	11.8622	
1440 minute winter	S32	10.001	S33	5.8	0.105	0.081	12.9896	
1440 minute winter	S33	1.008	S34	75.9	0.488	1.076	5.0222	
1440 minute winter	S34	1.009	S35	77.5	0.502	1.092	8.3190	
1440 minute winter	S35	1.010	S37	77.8	0.508	1.171	1.7407	
1440 minute winter	S36	11.000	S37	1.3	0.019	0.018	8.5674	
1440 minute winter	S37	1.011	S38	84.3	0.562	1.192	13.6819	
1440 minute winter	S38	1.012	S39	84.1	0.580	1.177	14.1973	
1440 minute winter	S39	1.013	S57	84.1	0.599	1.327	1.1814	
1440 minute winter	S56	12.011	S57	-0.1	-0.009	-0.002	2.0645	
1440 minute winter	S57	1.014	S127	84.0	0.621	1.187	4.4483	
1440 minute winter	S125	21.003	S127	-0.7	-0.095	-0.010	7.8151	
1440 minute winter	S127	1.015	S60	83.8	0.657	1.176	4.3871	
1440 minute winter	S119	22.003	S60	-0.3	-0.077	-0.004	7.8151	
1440 minute winter	S60	1.016	Pond Inlet 1	83.5	0.731	1.102	4.7280	
1440 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	41.8	0.015	0.001	2843.9900	
1440 minute winter	Pond Outlet	1.018	S13	0.1	0.136	0.001	0.4779	
1440 minute winter	S13	Pump	Final Outfall	0.0				0.0
1440 minute winter	PP-S26	1.000_1	S26	1.0	0.417	0.026	0.0239	
1440 minute winter	PP-S25	2.000_1	S25	0.8	0.512	0.014	0.0078	
1440 minute winter	PP-S16	3.000_1	S16	1.5	0.690	0.022	0.0109	
1440 minute winter	PP-S145	4.000_2	S145	1.7	0.837	0.020	0.0102	
1440 minute winter	PP-S4	1.000_2	S4	1.4	0.601	0.025	0.0117	
1440 minute winter	PP-S1	4.000_1	S1	3.3	0.861	0.050	0.0194	

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Results for 100 year +40% CC 1440 minute winter. 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 winter	PP-S5	750	0.526	0.026	2.0	0.7134	0.0000	OK
1440 minute winter	PP-S12	750	0.514	0.014	0.7	0.2962	0.0000	OK
1440 minute winter	PP-S14	780	0.506	0.006	0.1	0.1602	0.0000	OK
1440 minute winter	PP-S2	750	0.518	0.018	1.1	0.6896	0.0000	OK
1440 minute winter	PP-S15	720	0.515	0.015	0.8	0.2283	0.0000	OK
1440 minute winter	PP-S75	780	0.515	0.015	0.8	0.2542	0.0000	OK
1440 minute winter	PP-S24	750	0.522	0.022	2.0	0.6172	0.0000	OK
1440 minute winter	PP-S30	750	0.514	0.014	0.8	0.2398	0.0000	OK
1440 minute winter	PP-S33	750	0.515	0.015	0.9	0.2159	0.0000	OK
1440 minute winter	PP-S34	750	0.519	0.019	1.7	0.5150	0.0000	OK
1440 minute winter	PP-S35	780	0.508	0.008	0.3	0.0897	0.0000	OK
1440 minute winter	PP-S36	750	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)
1440 minute winter	PP-S5	2.000_2	S5	2.0	0.801	0.027	0.0125	
1440 minute winter	PP-S12	8.000_1	S12	0.7	0.675	0.008	0.0052	
1440 minute winter	PP-S14	11.000_1	S14	0.1	0.355	0.001	0.0014	
1440 minute winter	PP-S2	10.000_1	S2	1.1	0.775	0.012	0.0071	
1440 minute winter	PP-S15	12.000_1	S15	0.8	0.720	0.008	0.0056	
1440 minute winter	PP-S75	13.000_1	S75	0.8	0.744	0.008	0.0054	
1440 minute winter	PP-S24	14.000_1	S92	2.0	1.006	0.019	0.0099	
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	0.9	0.853	0.008	0.0053	
1440 minute winter	PP-S34	21.000_1	S34	1.7	1.060	0.014	0.0080	
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	1.3	0.980	0.011	0.0066	

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Results for 100 year +40% CC 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	0.002	0.240	0.9	0.4242	0.0000	OK
2160 minute summer	S25	1140	0.002	0.246	0.8	0.6262	0.0000	OK
2160 minute summer	S16	1140	0.002	0.269	6.5	1.1930	0.0000	OK
2160 minute summer	S145	1140	0.001	0.316	12.6	1.3628	0.0000	OK
2160 minute summer	S4	1140	0.001	0.244	1.3	0.4313	0.0000	OK
2160 minute summer	S5	1140	0.001	0.285	3.0	0.5038	0.0000	OK
2160 minute summer	S9	1140	0.001	0.297	1.0	0.6843	0.0000	OK
2160 minute summer	S10	1140	0.001	0.322	0.9	0.5690	0.0000	OK
2160 minute summer	S11	1140	0.001	0.327	4.2	0.5778	0.0000	OK
2160 minute summer	S12	1140	0.001	0.336	4.9	0.5936	0.0000	OK
2160 minute summer	S1	1140	0.002	0.266	4.2	0.6257	0.0000	OK
2160 minute summer	S3	1140	0.001	0.308	6.9	0.9864	0.0000	OK
2160 minute summer	S2	1140	0.001	0.337	7.6	0.5957	0.0000	OK
2160 minute summer	S14	1140	0.001	0.310	0.3	0.5476	0.0000	OK
2160 minute summer	S15	1140	0.001	0.347	16.3	1.5614	0.0000	OK
2160 minute summer	S75	1140	0.000	0.362	28.8	0.9210	0.0000	OK
2160 minute summer	S87	1140	-0.002	0.284	2.9	0.9210	0.0000	OK
2160 minute summer	S88	1140	-0.002	0.306	5.7	0.9974	0.0000	OK
2160 minute summer	S89	1140	-0.002	0.328	8.4	1.0619	0.0000	OK
2160 minute summer	S90	1140	-0.003	0.349	11.1	1.1124	0.0000	OK
2160 minute summer	S92	1140	-0.003	0.376	41.2	0.9558	0.0000	OK
2160 minute summer	S81	1140	-0.008	0.294	2.9	0.9489	0.0000	OK
2160 minute summer	S82	1140	-0.008	0.316	5.7	1.0255	0.0000	OK
2160 minute summer	S83	1140	-0.008	0.337	8.4	1.0866	0.0000	OK
2160 minute summer	S84	1140	-0.009	0.358	11.1	1.1364	0.0000	OK
2160 minute summer	S86	1140	-0.009	0.384	52.0	0.9763	0.0000	OK
2160 minute summer	S76	1140	-0.018	0.299	2.9	0.9627	0.0000	OK
2160 minute summer	S77	1140	-0.018	0.321	5.7	1.0391	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	0.046	0.012	5.3673	
2160 minute summer	S25	2.000	S16	0.7	0.039	0.010	4.3436	
2160 minute summer	S16	1.001	S145	6.0	0.122	0.085	10.3230	
2160 minute summer	S145	1.002	S75	12.3	0.120	0.174	12.1100	
2160 minute summer	S4	3.000	S5	1.2	0.078	0.017	8.0120	
2160 minute summer	S5	3.001	S11	3.1	0.077	0.044	9.4849	
2160 minute summer	S9	4.000	S10	0.9	0.040	0.013	5.9139	
2160 minute summer	S10	4.001	S11	1.1	0.014	0.014	1.0644	
2160 minute summer	S11	3.002	S12	4.4	0.044	0.062	2.2705	
2160 minute summer	S12	3.003	S15	5.0	0.041	0.073	3.0003	
2160 minute summer	S1	5.000	S3	4.1	0.102	0.057	9.0930	
2160 minute summer	S3	5.001	S2	6.6	0.095	0.093	7.0491	
2160 minute summer	S2	5.002	S15	7.4	0.067	0.109	2.7874	
2160 minute summer	S14	6.000	S15	-0.3	-0.010	-0.005	9.2740	
2160 minute summer	S15	3.004	S75	16.6	0.126	0.232	4.1963	
2160 minute summer	S75	1.003	S92	29.1	0.213	0.409	4.6823	
2160 minute summer	S87	7.000	S88	2.8	0.088	0.039	4.7747	
2160 minute summer	S88	7.001	S89	5.5	0.117	0.077	5.1717	
2160 minute summer	S89	7.002	S90	8.2	0.110	0.115	5.5468	
2160 minute summer	S90	7.003	S92	10.9	0.085	0.155	7.4545	
2160 minute summer	S92	1.005	S86	41.0	0.288	0.577	3.9699	
2160 minute summer	S81	8.000	S82	2.8	0.087	0.039	4.9575	
2160 minute summer	S82	8.001	S83	5.5	0.108	0.079	5.3385	
2160 minute summer	S83	8.002	S84	8.2	0.092	0.116	5.6956	
2160 minute summer	S84	8.003	S86	11.0	0.083	0.154	7.2247	
2160 minute summer	S86	1.006	S30	51.8	0.358	0.730	4.0328	
2160 minute summer	S76	9.000	S77	2.8	0.087	0.039	5.0583	
2160 minute summer	S77	9.001	S78	5.5	0.097	0.077	5.4426	

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Results for 100 year +40% CC 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	-0.018	0.343	8.4	1.1031	0.0000	OK
2160 minute summer	S79	1140	-0.018	0.364	11.2	1.1494	0.0000	OK
2160 minute summer	S30	1140	-0.019	0.388	63.5	0.9881	0.0000	OK
2160 minute summer	S31	1140	-0.034	0.302	3.1	1.0012	0.0000	OK
2160 minute summer	S32	1140	-0.034	0.345	5.6	1.0660	0.0000	OK
2160 minute summer	S33	1140	-0.034	0.389	69.4	0.9899	0.0000	OK
2160 minute summer	S34	1140	-0.053	0.386	70.8	0.6825	0.0000	OK
2160 minute summer	S35	1140	-0.081	0.385	70.9	0.6797	0.0000	OK
2160 minute summer	S36	1140	-0.093	0.349	1.2	0.6172	0.0000	OK
2160 minute summer	S37	1140	-0.093	0.378	77.0	1.8596	0.0000	OK
2160 minute summer	S38	3300	-0.105	0.411	76.8	0.7259	0.0000	OK
2160 minute summer	S39	3300	-0.105	0.457	76.5	0.8073	0.0000	SURCHARGED
2160 minute summer	S56	3300	-0.105	0.454	1.6	0.8019	0.0000	SURCHARGED
2160 minute summer	S57	3300	-0.105	0.460	76.4	1.1703	0.0000	SURCHARGED
2160 minute summer	S125	3240	-0.105	0.450	1.0	0.7952	0.0000	SURCHARGED
2160 minute summer	S127	3300	-0.105	0.474	76.2	1.2061	0.0000	SURCHARGED
2160 minute summer	S119	3060	-0.105	0.464	0.5	0.8196	0.0000	SURCHARGED
2160 minute summer	S60	3420	-0.105	0.488	75.9	1.2414	0.0000	SURCHARGED
2160 minute summer	Pond Inlet 1	2220	-0.101	0.509	75.6	0.8989	0.0000	OK
2160 minute summer	Pond Outlet	2280	-0.107	0.503	37.8	0.5694	0.0000	SURCHARGED
2160 minute summer	S13	2340	-0.107	0.531	0.1	1.8410	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	0.524	0.024	0.9	0.5405	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	0.523	0.023	1.4	0.5029	0.0000	OK
2160 minute summer	PP-S145	1140	0.522	0.022	1.6	0.4876	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	0.534	0.034	3.2	8.6298	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	8.3	0.079	0.118	5.7936	
2160 minute summer	S79	9.003	S30	11.0	0.082	0.153	6.8617	
2160 minute summer	S30	1.007	S33	63.3	0.435	0.890	4.6113	
2160 minute summer	S31	10.000	S32	2.9	0.060	0.041	10.5170	
2160 minute summer	S32	10.001	S33	5.3	0.039	0.074	11.9151	
2160 minute summer	S33	1.008	S34	69.2	0.477	0.981	4.6840	
2160 minute summer	S34	1.009	S35	70.7	0.489	0.995	7.7642	
2160 minute summer	S35	1.010	S37	70.8	0.494	1.066	1.6228	
2160 minute summer	S36	11.000	S37	1.1	0.008	0.016	7.8921	
2160 minute summer	S37	1.011	S38	76.8	0.546	1.086	13.1034	
2160 minute summer	S38	1.012	S39	76.5	0.560	1.071	14.0272	
2160 minute summer	S39	1.013	S57	76.4	0.576	1.205	1.1814	
2160 minute summer	S56	12.011	S57	-1.6	-0.010	-0.023	2.0643	
2160 minute summer	S57	1.014	S127	76.2	0.596	1.078	4.4483	
2160 minute summer	S125	21.003	S127	1.1	-0.019	0.015	7.8122	
2160 minute summer	S127	1.015	S60	75.9	0.624	1.066	4.3871	
2160 minute summer	S119	22.003	S60	1.8	-0.043	0.025	7.8151	
2160 minute summer	S60	1.016	Pond Inlet 1	75.6	0.677	0.999	4.7280	
2160 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	37.8	0.011	0.001	2746.5706	
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	0.9	0.405	0.023	0.0222	
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	1.4	0.676	0.021	0.0104	
2160 minute summer	PP-S145	4.000_2	S145	1.6	0.822	0.019	0.0097	
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	3.1	0.845	0.047	0.0185	

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Results for 100 year +40% CC 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	0.525	0.025	1.9	0.6808	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	60	0.500	0.000	0.0	0.0000	0.0000	OK
2160 minute summer	PP-S2	1140	0.517	0.017	1.0	0.6324	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	1.9	0.5884	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	0.514	0.014	0.8	0.1929	0.0000	OK
2160 minute summer	PP-S34	1140	0.519	0.019	1.6	0.4866	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	0.516	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 summer	PP-S5	2.000_2	S5	1.9	0.789	0.026	0.0120	
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	0.0	0.000	0.000	0.0000	
2160 minute summer	PP-S2	10.000_1	S2	1.0	0.753	0.011	0.0066	
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	1.9	0.992	0.019	0.0096	
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	0.8	0.822	0.007	0.0049	
2160 minute summer	PP-S34	21.000_1	S34	1.6	1.040	0.014	0.0077	
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	1.2	0.956	0.010	0.0063	

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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	3540	-0.052	0.186	0.7	0.3283	0.0000	OK
2160 minute winter	S25	3540	-0.052	0.192	0.6	0.4881	0.0000	OK
2160 minute winter	S16	3540	-0.052	0.215	5.1	0.9522	0.0000	OK
2160 minute winter	S145	3420	-0.052	0.263	10.1	1.1313	0.0000	OK
2160 minute winter	S4	3600	-0.052	0.191	1.0	0.3372	0.0000	OK
2160 minute winter	S5	3360	-0.052	0.232	2.3	0.4095	0.0000	OK
2160 minute winter	S9	3480	-0.052	0.244	0.8	0.5615	0.0000	OK
2160 minute winter	S10	3600	-0.052	0.269	0.8	0.4748	0.0000	OK
2160 minute winter	S11	3600	-0.052	0.274	3.2	0.4837	0.0000	OK
2160 minute winter	S12	3600	-0.052	0.283	3.7	0.4996	0.0000	OK
2160 minute winter	S1	3480	-0.052	0.212	3.4	0.4988	0.0000	OK
2160 minute winter	S3	3240	-0.052	0.255	5.5	0.8147	0.0000	OK
2160 minute winter	S2	3180	-0.052	0.284	6.2	0.5013	0.0000	OK
2160 minute winter	S14	3360	-0.052	0.257	0.2	0.4538	0.0000	OK
2160 minute winter	S15	3360	-0.052	0.294	13.1	1.3220	0.0000	OK
2160 minute winter	S75	3360	-0.052	0.310	23.5	0.7882	0.0000	OK
2160 minute winter	S87	3360	-0.052	0.234	2.2	0.7585	0.0000	OK
2160 minute winter	S88	3180	-0.052	0.256	4.5	0.8341	0.0000	OK
2160 minute winter	S89	3180	-0.052	0.278	6.7	0.9004	0.0000	OK
2160 minute winter	S90	3180	-0.052	0.300	8.8	0.9549	0.0000	OK
2160 minute winter	S92	3180	-0.052	0.327	33.6	0.8315	0.0000	OK
2160 minute winter	S81	3120	-0.052	0.250	2.2	0.8066	0.0000	OK
2160 minute winter	S82	3360	-0.052	0.272	4.5	0.8824	0.0000	OK
2160 minute winter	S83	3360	-0.052	0.293	6.7	0.9450	0.0000	OK
2160 minute winter	S84	3360	-0.052	0.315	8.8	0.9984	0.0000	OK
2160 minute winter	S86	3360	-0.052	0.341	42.3	0.8672	0.0000	OK
2160 minute winter	S76	3060	-0.052	0.265	2.2	0.8514	0.0000	OK
2160 minute winter	S77	3480	-0.052	0.287	4.5	0.9270	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	0.045	0.010	3.9590	
2160 minute winter	S25	2.000	S16	0.6	0.037	0.009	3.2196	
2160 minute winter	S16	1.001	S145	5.0	0.121	0.070	8.0820	
2160 minute winter	S145	1.002	S75	10.0	0.122	0.141	10.0571	
2160 minute winter	S4	3.000	S5	0.9	0.075	0.013	6.0494	
2160 minute winter	S5	3.001	S11	2.3	0.097	0.033	7.5784	
2160 minute winter	S9	4.000	S10	0.8	0.063	0.012	4.7423	
2160 minute winter	S10	4.001	S11	0.8	0.018	0.011	0.8682	
2160 minute winter	S11	3.002	S12	3.2	0.050	0.045	1.8662	
2160 minute winter	S12	3.003	S15	3.7	0.043	0.053	2.4927	
2160 minute winter	S1	5.000	S3	3.3	0.102	0.047	7.0726	
2160 minute winter	S3	5.001	S2	5.4	0.105	0.076	5.7327	
2160 minute winter	S2	5.002	S15	6.2	0.070	0.090	2.3164	
2160 minute winter	S14	6.000	S15	-0.2	-0.018	-0.003	7.6058	
2160 minute winter	S15	3.004	S75	13.1	0.121	0.182	3.5405	
2160 minute winter	S75	1.003	S92	23.4	0.200	0.329	4.0365	
2160 minute winter	S87	7.000	S88	2.2	0.096	0.030	3.8221	
2160 minute winter	S88	7.001	S89	4.4	0.120	0.062	4.2459	
2160 minute winter	S89	7.002	S90	6.6	0.132	0.093	4.6621	
2160 minute winter	S90	7.003	S92	8.8	0.096	0.124	6.4211	
2160 minute winter	S92	1.005	S86	33.5	0.276	0.472	3.5075	
2160 minute winter	S81	8.000	S82	2.2	0.089	0.030	4.1303	
2160 minute winter	S82	8.001	S83	4.4	0.119	0.063	4.5392	
2160 minute winter	S83	8.002	S84	6.6	0.120	0.093	4.9375	
2160 minute winter	S84	8.003	S86	8.8	0.080	0.123	6.3949	
2160 minute winter	S86	1.006	S30	42.2	0.340	0.594	3.6629	
2160 minute winter	S76	9.000	S77	2.2	0.088	0.030	4.4167	
2160 minute winter	S77	9.001	S78	4.4	0.116	0.062	4.8274	

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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	3300	-0.052	0.309	6.7	0.9922	0.0000	OK
2160 minute winter	S79	3300	-0.052	0.330	8.8	1.0415	0.0000	OK
2160 minute winter	S30	3420	-0.052	0.355	51.5	0.9027	0.0000	OK
2160 minute winter	S31	3420	-0.052	0.284	2.4	0.9399	0.0000	OK
2160 minute winter	S32	3420	-0.052	0.327	4.4	1.0089	0.0000	OK
2160 minute winter	S33	3420	-0.052	0.371	56.3	0.9435	0.0000	OK
2160 minute winter	S34	3360	-0.052	0.387	57.4	0.6834	0.0000	OK
2160 minute winter	S35	3600	-0.052	0.414	57.5	0.7310	0.0000	OK
2160 minute winter	S36	3420	-0.052	0.390	1.0	0.6887	0.0000	OK
2160 minute winter	S37	3420	-0.052	0.419	62.3	2.0584	0.0000	OK
2160 minute winter	S38	3180	-0.052	0.464	62.2	0.8196	0.0000	SURCHARGED
2160 minute winter	S39	2160	-0.052	0.510	62.0	0.9019	0.0000	SURCHARGED
2160 minute winter	S56	2160	-0.052	0.507	0.3	0.8966	0.0000	SURCHARGED
2160 minute winter	S57	2160	-0.051	0.514	61.9	1.3073	0.0000	SURCHARGED
2160 minute winter	S125	2160	-0.050	0.505	0.2	0.8917	0.0000	SURCHARGED
2160 minute winter	S127	2160	-0.050	0.529	61.8	1.3460	0.0000	SURCHARGED
2160 minute winter	S119	2160	-0.052	0.517	0.3	0.9135	0.0000	SURCHARGED
2160 minute winter	S60	2160	-0.052	0.541	61.6	1.3777	0.0000	SURCHARGED
2160 minute winter	Pond Inlet 1	2220	-0.048	0.562	61.3	0.9938	0.0000	OK
2160 minute winter	Pond Outlet	2280	-0.054	0.556	30.6	0.6290	0.0000	SURCHARGED
2160 minute winter	S13	2520	-0.054	0.584	0.1	2.0238	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	0.521	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	1140	0.520	0.020	1.1	0.4026	0.0000	OK
2160 minute winter	PP-S145	1080	0.519	0.019	1.2	0.3748	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	0.530	0.030	2.5	7.2926	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	6.6	0.104	0.095	5.2152	
2160 minute winter	S79	9.003	S30	8.8	0.075	0.122	6.2739	
2160 minute winter	S30	1.007	S33	51.4	0.410	0.722	4.3374	
2160 minute winter	S31	10.000	S32	2.3	0.083	0.033	9.8642	
2160 minute winter	S32	10.001	S33	4.3	0.037	0.060	11.3488	
2160 minute winter	S33	1.008	S34	56.2	0.447	0.797	4.5908	
2160 minute winter	S34	1.009	S35	57.3	0.455	0.807	7.9884	
2160 minute winter	S35	1.010	S37	57.5	0.458	0.865	1.7340	
2160 minute winter	S36	11.000	S37	-1.0	0.008	-0.014	8.6194	
2160 minute winter	S37	1.011	S38	62.2	0.503	0.880	14.1131	
2160 minute winter	S38	1.012	S39	62.0	0.505	0.868	14.3287	
2160 minute winter	S39	1.013	S57	61.9	0.513	0.977	1.1814	
2160 minute winter	S56	12.011	S57	0.5	-0.015	0.007	2.0645	
2160 minute winter	S57	1.014	S127	61.8	0.531	0.874	4.4483	
2160 minute winter	S125	21.003	S127	0.4	-0.058	0.006	7.8151	
2160 minute winter	S127	1.015	S60	61.6	0.555	0.864	4.3871	
2160 minute winter	S119	22.003	S60	-0.3	-0.003	-0.005	7.8151	
2160 minute winter	S60	1.016	Pond Inlet 1	61.3	0.608	0.809	4.7280	
2160 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	30.6	0.013	0.001	3060.2170	
2160 minute winter	Pond Outlet	1.018	S13	0.1	0.080	0.002	0.4779	
2160 minute winter	S13	Pump	Final Outfall	0.0				0.0
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	1.2	0.756	0.014	0.0079	
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	2.5	0.789	0.037	0.0157	

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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	0.522	0.022	1.4	0.5112	0.0000	OK
2160 minute winter	PP-S12	1140	0.512	0.012	0.5	0.2155	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	1140	0.513	0.013	0.6	0.1933	0.0000	OK
2160 minute winter	PP-S24	1140	0.519	0.019	1.4	0.4445	0.0000	OK
2160 minute winter	PP-S30	1020	0.511	0.011	0.5	0.1556	0.0000	OK
2160 minute winter	PP-S33	1080	0.512	0.012	0.6	0.1480	0.0000	OK
2160 minute winter	PP-S34	1080	0.516	0.016	1.2	0.3751	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	1.4	0.721	0.019	0.0097	
2160 minute winter	PP-S12	8.000_1	S12	0.5	0.609	0.005	0.0041	
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	1.4	0.906	0.014	0.0077	
2160 minute winter	PP-S30	18.000_1	S30	0.5	0.703	0.004	0.0036	
2160 minute winter	PP-S33	20.000_1	S33	0.6	0.754	0.005	0.0040	
2160 minute winter	PP-S34	21.000_1	S34	1.2	0.952	0.010	0.0063	
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 +40% CC 2880 minute summer. 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 summer	S26	1500	-0.053	0.185	0.7	0.3267	0.0000	OK
2880 minute summer	S25	1500	-0.053	0.191	0.6	0.4858	0.0000	OK
2880 minute summer	S16	1500	-0.053	0.214	5.2	0.9483	0.0000	OK
2880 minute summer	S145	1500	-0.054	0.261	10.3	1.1247	0.0000	OK
2880 minute summer	S4	1500	-0.054	0.189	1.0	0.3336	0.0000	OK
2880 minute summer	S5	1500	-0.054	0.230	2.4	0.4060	0.0000	OK
2880 minute summer	S9	1500	-0.054	0.242	0.8	0.5568	0.0000	OK
2880 minute summer	S10	1500	-0.054	0.267	0.8	0.4712	0.0000	OK
2880 minute summer	S11	1500	-0.054	0.272	3.3	0.4800	0.0000	OK
2880 minute summer	S12	1500	-0.054	0.281	4.0	0.4958	0.0000	OK
2880 minute summer	S1	1500	-0.054	0.210	3.5	0.4956	0.0000	OK
2880 minute summer	S3	1500	-0.054	0.253	5.6	0.8095	0.0000	OK
2880 minute summer	S2	1500	-0.054	0.282	6.3	0.4978	0.0000	OK
2880 minute summer	S14	1500	-0.054	0.255	0.2	0.4498	0.0000	OK
2880 minute summer	S15	1500	-0.054	0.292	13.5	1.3122	0.0000	OK
2880 minute summer	S75	1500	-0.056	0.306	23.7	0.7800	0.0000	OK
2880 minute summer	S87	1500	-0.057	0.229	2.3	0.7418	0.0000	OK
2880 minute summer	S88	1500	-0.057	0.251	4.6	0.8172	0.0000	OK
2880 minute summer	S89	1500	-0.058	0.272	6.9	0.8827	0.0000	OK
2880 minute summer	S90	1500	-0.058	0.294	9.1	0.9362	0.0000	OK
2880 minute summer	S92	1500	-0.059	0.320	34.0	0.8151	0.0000	OK
2880 minute summer	S81	1500	-0.063	0.239	2.3	0.7718	0.0000	OK
2880 minute summer	S82	1500	-0.063	0.261	4.6	0.8473	0.0000	OK
2880 minute summer	S83	1500	-0.063	0.282	6.9	0.9095	0.0000	OK
2880 minute summer	S84	1500	-0.064	0.303	9.1	0.9623	0.0000	OK
2880 minute summer	S86	1500	-0.064	0.329	42.9	0.8366	0.0000	OK
2880 minute summer	S76	1500	-0.072	0.245	2.3	0.7890	0.0000	OK
2880 minute summer	S77	1500	-0.072	0.267	4.6	0.8644	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	3.9361	
2880 minute summer	S25	2.000	S16	0.6	0.039	0.008	3.2013	
2880 minute summer	S16	1.001	S145	4.9	0.120	0.069	8.0319	
2880 minute summer	S145	1.002	S75	10.1	0.124	0.143	9.9618	
2880 minute summer	S4	3.000	S5	1.0	0.078	0.014	5.9741	
2880 minute summer	S5	3.001	S11	2.5	0.075	0.035	7.5032	
2880 minute summer	S9	4.000	S10	0.8	0.057	0.011	4.6957	
2880 minute summer	S10	4.001	S11	0.8	0.026	0.011	0.8602	
2880 minute summer	S11	3.002	S12	3.5	0.055	0.049	1.8495	
2880 minute summer	S12	3.003	S15	4.0	0.051	0.058	2.4711	
2880 minute summer	S1	5.000	S3	3.3	0.106	0.047	7.0166	
2880 minute summer	S3	5.001	S2	5.5	0.098	0.077	5.6878	
2880 minute summer	S2	5.002	S15	6.2	0.071	0.091	2.2971	
2880 minute summer	S14	6.000	S15	-0.2	-0.011	-0.003	7.5327	
2880 minute summer	S15	3.004	S75	13.6	0.123	0.191	3.5048	
2880 minute summer	S75	1.003	S92	23.9	0.204	0.335	3.9699	
2880 minute summer	S87	7.000	S88	2.2	0.088	0.031	3.7220	
2880 minute summer	S88	7.001	S89	4.5	0.107	0.063	4.1440	
2880 minute summer	S89	7.002	S90	6.8	0.109	0.096	4.5560	
2880 minute summer	S90	7.003	S92	9.0	0.082	0.128	6.2816	
2880 minute summer	S92	1.005	S86	33.9	0.277	0.477	3.4059	
2880 minute summer	S81	8.000	S82	2.2	0.084	0.031	3.9225	
2880 minute summer	S82	8.001	S83	4.5	0.106	0.065	4.3325	
2880 minute summer	S83	8.002	S84	6.8	0.094	0.096	4.7315	
2880 minute summer	S84	8.003	S86	9.0	0.079	0.127	6.1508	
2880 minute summer	S86	1.006	S30	42.8	0.342	0.602	3.4892	
2880 minute summer	S76	9.000	S77	2.2	0.080	0.031	4.0463	
2880 minute summer	S77	9.001	S78	4.5	0.100	0.063	4.4639	

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Results for 100 year +40% CC 2880 minute summer. 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 summer	S78	1500	-0.072	0.289	6.9	0.9294	0.0000	OK
2880 minute summer	S79	1500	-0.072	0.310	9.1	0.9787	0.0000	OK
2880 minute summer	S30	1500	-0.073	0.334	52.4	0.8507	0.0000	OK
2880 minute summer	S31	4200	-0.081	0.255	2.5	0.8452	0.0000	OK
2880 minute summer	S32	4200	-0.081	0.298	4.6	0.9207	0.0000	OK
2880 minute summer	S33	4200	-0.081	0.342	57.3	0.8708	0.0000	OK
2880 minute summer	S34	3720	-0.081	0.358	58.5	0.6328	0.0000	OK
2880 minute summer	S35	4260	-0.081	0.385	58.6	0.6805	0.0000	OK
2880 minute summer	S36	3900	-0.081	0.361	1.0	0.6382	0.0000	OK
2880 minute summer	S37	3960	-0.081	0.390	63.6	1.9179	0.0000	OK
2880 minute summer	S38	4320	-0.081	0.435	63.4	0.7690	0.0000	OK
2880 minute summer	S39	3660	-0.081	0.481	63.2	0.8504	0.0000	SURCHARGED
2880 minute summer	S56	3660	-0.081	0.478	0.6	0.8451	0.0000	SURCHARGED
2880 minute summer	S57	3660	-0.081	0.484	63.1	1.2324	0.0000	SURCHARGED
2880 minute summer	S125	4020	-0.081	0.474	0.5	0.8384	0.0000	SURCHARGED
2880 minute summer	S127	4320	-0.081	0.498	63.0	1.2682	0.0000	SURCHARGED
2880 minute summer	S119	3720	-0.081	0.488	1.6	0.8626	0.0000	SURCHARGED
2880 minute summer	S60	4320	-0.081	0.512	62.7	1.3038	0.0000	SURCHARGED
2880 minute summer	Pond Inlet 1	2940	-0.076	0.534	62.4	0.9437	0.0000	OK
2880 minute summer	Pond Outlet	3000	-0.082	0.528	31.2	0.5968	0.0000	SURCHARGED
2880 minute summer	S13	3060	-0.082	0.556	0.1	1.9251	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	0.521	0.021	0.7	0.4268	0.0000	OK
2880 minute summer	PP-S25	1500	0.516	0.016	0.6	0.2511	0.0000	OK
2880 minute summer	PP-S16	1500	0.520	0.020	1.1	0.4026	0.0000	OK
2880 minute summer	PP-S145	1500	0.520	0.020	1.3	0.4037	0.0000	OK
2880 minute summer	PP-S4	1500	0.521	0.021	1.0	0.4231	0.0000	OK
2880 minute summer	PP-S1	1500	0.531	0.031	2.6	7.4540	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	6.8	0.080	0.098	4.8597	
2880 minute summer	S79	9.003	S30	9.0	0.077	0.125	5.8890	
2880 minute summer	S30	1.007	S33	52.3	0.412	0.734	4.0160	
2880 minute summer	S31	10.000	S32	2.4	0.063	0.034	8.8123	
2880 minute summer	S32	10.001	S33	4.4	0.037	0.061	10.3910	
2880 minute summer	S33	1.008	S34	57.2	0.450	0.811	4.2674	
2880 minute summer	S34	1.009	S35	58.4	0.459	0.822	7.5120	
2880 minute summer	S35	1.010	S37	58.5	0.462	0.881	1.6448	
2880 minute summer	S36	11.000	S37	0.9	0.008	0.013	8.1241	
2880 minute summer	S37	1.011	S38	63.4	0.506	0.898	13.6967	
2880 minute summer	S38	1.012	S39	63.2	0.508	0.885	14.2605	
2880 minute summer	S39	1.013	S57	63.1	0.515	0.996	1.1814	
2880 minute summer	S56	12.011	S57	-0.6	-0.006	-0.009	2.0645	
2880 minute summer	S57	1.014	S127	63.0	0.530	0.890	4.4483	
2880 minute summer	S125	21.003	S127	0.9	-0.048	0.012	7.8151	
2880 minute summer	S127	1.015	S60	62.7	0.549	0.880	4.3871	
2880 minute summer	S119	22.003	S60	-1.6	-0.092	-0.023	7.8151	
2880 minute summer	S60	1.016	Pond Inlet 1	62.4	0.575	0.824	4.7280	
2880 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	31.2	0.011	0.001	2890.3323	
2880 minute summer	Pond Outlet	1.018	S13	0.1	0.083	0.001	0.4779	
2880 minute summer	S13	Pump	Final Outfall	0.0				0.0
2880 minute summer	PP-S26	1.000_1	S26	0.7	0.375	0.018	0.0186	
2880 minute summer	PP-S25	2.000_1	S25	0.6	0.468	0.010	0.0064	
2880 minute summer	PP-S16	3.000_1	S16	1.1	0.631	0.016	0.0087	
2880 minute summer	PP-S145	4.000_2	S145	1.3	0.775	0.015	0.0084	
2880 minute summer	PP-S4	1.000_2	S4	1.0	0.544	0.018	0.0092	
2880 minute summer	PP-S1	4.000_1	S1	2.6	0.796	0.039	0.0160	

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Results for 100 year +40% CC 2880 minute summer. 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 summer	PP-S5	1500	0.523	0.023	1.5	0.5450	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	0.513	0.013	0.6	0.1740	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	0.519	0.019	1.5	0.4739	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	0.517	0.017	1.3	0.4027	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	1.5	0.736	0.020	0.0102	
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	0.6	0.659	0.006	0.0046	
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	1.5	0.925	0.015	0.0081	
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	1.3	0.976	0.011	0.0067	
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 +40% CC 2880 minute winter. 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 winter	S26	2760	-0.033	0.205	0.6	0.3630	0.0000	OK
2880 minute winter	S25	2760	-0.033	0.211	0.5	0.5379	0.0000	OK
2880 minute winter	S16	2760	-0.033	0.234	4.2	1.0393	0.0000	OK
2880 minute winter	S145	2760	-0.033	0.282	8.2	1.2159	0.0000	OK
2880 minute winter	S4	2760	-0.033	0.210	0.8	0.3718	0.0000	OK
2880 minute winter	S5	2760	-0.033	0.251	2.0	0.4442	0.0000	OK
2880 minute winter	S9	2760	-0.033	0.263	0.6	0.6067	0.0000	OK
2880 minute winter	S10	2760	-0.033	0.288	0.6	0.5096	0.0000	OK
2880 minute winter	S11	2760	-0.033	0.293	2.4	0.5184	0.0000	OK
2880 minute winter	S12	2760	-0.033	0.302	2.8	0.5343	0.0000	OK
2880 minute winter	S1	2760	-0.033	0.231	2.7	0.5449	0.0000	OK
2880 minute winter	S3	2760	-0.033	0.274	4.3	0.8775	0.0000	OK
2880 minute winter	S2	2760	-0.033	0.303	4.9	0.5361	0.0000	OK
2880 minute winter	S14	2760	-0.033	0.276	0.1	0.4885	0.0000	OK
2880 minute winter	S15	2760	-0.033	0.313	10.5	1.4105	0.0000	OK
2880 minute winter	S75	2760	-0.033	0.329	19.0	0.8382	0.0000	OK
2880 minute winter	S87	2760	-0.033	0.253	1.7	0.8218	0.0000	OK
2880 minute winter	S88	2760	-0.033	0.275	3.5	0.8980	0.0000	OK
2880 minute winter	S89	2760	-0.033	0.297	5.2	0.9636	0.0000	OK
2880 minute winter	S90	2760	-0.033	0.319	6.9	1.0171	0.0000	OK
2880 minute winter	S92	2760	-0.033	0.346	26.9	0.8815	0.0000	OK
2880 minute winter	S81	2760	-0.033	0.269	1.7	0.8698	0.0000	OK
2880 minute winter	S82	2760	-0.033	0.291	3.5	0.9461	0.0000	OK
2880 minute winter	S83	2760	-0.033	0.312	5.2	1.0078	0.0000	OK
2880 minute winter	S84	2760	-0.033	0.334	6.9	1.0606	0.0000	OK
2880 minute winter	S86	2760	-0.033	0.360	33.7	0.9169	0.0000	OK
2880 minute winter	S76	2760	-0.033	0.284	1.7	0.9141	0.0000	OK
2880 minute winter	S77	2760	-0.033	0.306	3.5	0.9896	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	0.043	0.008	4.4683	
2880 minute winter	S25	2.000	S16	0.5	0.038	0.007	3.6261	
2880 minute winter	S16	1.001	S145	4.1	0.124	0.057	8.9081	
2880 minute winter	S145	1.002	S75	8.1	0.119	0.114	10.8439	
2880 minute winter	S4	3.000	S5	0.8	0.075	0.011	6.7730	
2880 minute winter	S5	3.001	S11	1.9	0.087	0.026	8.2937	
2880 minute winter	S9	4.000	S10	0.6	0.081	0.009	5.1826	
2880 minute winter	S10	4.001	S11	0.6	0.068	0.008	0.9425	
2880 minute winter	S11	3.002	S12	2.4	0.074	0.034	2.0199	
2880 minute winter	S12	3.003	S15	2.8	0.047	0.040	2.6868	
2880 minute winter	S1	5.000	S3	2.6	0.104	0.037	7.8181	
2880 minute winter	S3	5.001	S2	4.3	0.107	0.061	6.2291	
2880 minute winter	S2	5.002	S15	4.9	0.101	0.072	2.4964	
2880 minute winter	S14	6.000	S15	0.1	-0.008	0.001	8.2405	
2880 minute winter	S15	3.004	S75	10.5	0.117	0.147	3.7955	
2880 minute winter	S75	1.003	S92	18.9	0.196	0.266	4.3002	
2880 minute winter	S87	7.000	S88	1.7	0.090	0.024	4.1990	
2880 minute winter	S88	7.001	S89	3.4	0.112	0.048	4.6159	
2880 minute winter	S89	7.002	S90	5.2	0.125	0.073	5.0205	
2880 minute winter	S90	7.003	S92	6.8	0.107	0.097	6.8514	
2880 minute winter	S92	1.005	S86	26.9	0.266	0.378	3.7153	
2880 minute winter	S81	8.000	S82	1.7	0.084	0.024	4.5036	
2880 minute winter	S82	8.001	S83	3.4	0.105	0.049	4.9020	
2880 minute winter	S83	8.002	S84	5.2	0.122	0.073	5.2867	
2880 minute winter	S84	8.003	S86	6.8	0.087	0.096	6.7871	
2880 minute winter	S86	1.006	S30	33.7	0.324	0.474	3.8595	
2880 minute winter	S76	9.000	S77	1.7	0.079	0.024	4.7809	
2880 minute winter	S77	9.001	S78	3.4	0.105	0.048	5.1792	

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Results for 100 year +40% CC 2880 minute winter. 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 winter	S78	2760	-0.033	0.328	5.2	1.0550	0.0000	OK
2880 minute winter	S79	2760	-0.033	0.349	6.9	1.1031	0.0000	OK
2880 minute winter	S30	2760	-0.033	0.374	40.9	0.9523	0.0000	OK
2880 minute winter	S31	2760	-0.033	0.303	1.9	1.0041	0.0000	OK
2880 minute winter	S32	2760	-0.033	0.346	3.5	1.0688	0.0000	OK
2880 minute winter	S33	2760	-0.033	0.390	44.8	0.9927	0.0000	OK
2880 minute winter	S34	2760	-0.033	0.406	45.7	0.7175	0.0000	OK
2880 minute winter	S35	2760	-0.033	0.433	45.7	0.7645	0.0000	OK
2880 minute winter	S36	2760	-0.034	0.408	1.1	0.7217	0.0000	OK
2880 minute winter	S37	2760	-0.033	0.438	49.5	2.1512	0.0000	OK
2880 minute winter	S38	2760	-0.033	0.483	49.4	0.8528	0.0000	SURCHARGED
2880 minute winter	S39	2760	-0.034	0.528	49.2	0.9337	0.0000	SURCHARGED
2880 minute winter	S56	2760	-0.034	0.525	0.4	0.9278	0.0000	SURCHARGED
2880 minute winter	S57	2760	-0.034	0.531	49.1	1.3519	0.0000	SURCHARGED
2880 minute winter	S125	2820	-0.034	0.521	0.8	0.9202	0.0000	SURCHARGED
2880 minute winter	S127	2820	-0.035	0.544	49.0	1.3852	0.0000	SURCHARGED
2880 minute winter	S119	2880	-0.034	0.535	0.8	0.9452	0.0000	SURCHARGED
2880 minute winter	S60	2820	-0.035	0.558	48.8	1.4208	0.0000	SURCHARGED
2880 minute winter	Pond Inlet 1	2880	-0.028	0.582	48.5	1.0287	0.0000	OK
2880 minute winter	Pond Outlet	2820	-0.036	0.574	24.2	0.6495	0.0000	SURCHARGED
2880 minute winter	S13	2820	-0.036	0.602	5.7	2.0849	0.0000	SURCHARGED
2880 minute winter	Final Outfall	60	-0.740	0.000	5.7	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	1500	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	6.1800	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	5.2	0.113	0.074	5.5512	
2880 minute winter	S79	9.003	S30	6.8	0.074	0.095	6.6224	
2880 minute winter	S30	1.007	S33	40.8	0.387	0.573	4.5447	
2880 minute winter	S31	10.000	S32	1.8	0.079	0.026	10.5477	
2880 minute winter	S32	10.001	S33	3.4	0.051	0.048	11.9443	
2880 minute winter	S33	1.008	S34	44.7	0.420	0.634	4.7823	
2880 minute winter	S34	1.009	S35	45.6	0.424	0.643	8.2459	
2880 minute winter	S35	1.010	S37	45.7	0.424	0.688	1.7768	
2880 minute winter	S36	11.000	S37	-1.0	0.007	-0.014	8.8747	
2880 minute winter	S37	1.011	S38	49.4	0.461	0.699	14.2747	
2880 minute winter	S38	1.012	S39	49.2	0.455	0.689	14.3287	
2880 minute winter	S39	1.013	S57	49.1	0.457	0.775	1.1814	
2880 minute winter	S56	12.011	S57	-0.4	-0.101	-0.006	2.0645	
2880 minute winter	S57	1.014	S127	49.0	0.470	0.693	4.4483	
2880 minute winter	S125	21.003	S127	-0.8	-0.005	-0.012	7.8151	
2880 minute winter	S127	1.015	S60	48.8	0.486	0.685	4.3871	
2880 minute winter	S119	22.003	S60	-0.8	-0.005	-0.012	7.8151	
2880 minute winter	S60	1.016	Pond Inlet 1	48.5	0.542	0.640	4.7280	
2880 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	24.2	0.011	0.000	3167.9573	
2880 minute winter	Pond Outlet	1.018	S13	5.7	0.081	0.080	0.4779	
2880 minute winter	S13	Pump	Final Outfall	5.7				508.0
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 +40% CC 2880 minute winter. 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 winter	PP-S5	1500	0.520	0.020	1.2	0.4445	0.0000	OK
2880 minute winter	PP-S12	1440	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	1500	0.515	0.015	1.0	0.3205	0.0000	OK
2880 minute winter	PP-S35	1020	0.505	0.005	0.1	0.0345	0.0000	OK
2880 minute winter	PP-S36	1500	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	0.1	0.469	0.001	0.0011	
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 +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	5700	-0.040	0.198	0.5	0.3496	0.0000	OK
4320 minute summer	S25	5700	-0.040	0.204	0.5	0.5189	0.0000	OK
4320 minute summer	S16	5700	-0.040	0.227	3.9	1.0060	0.0000	OK
4320 minute summer	S145	5640	-0.040	0.275	7.8	1.1836	0.0000	OK
4320 minute summer	S4	5580	-0.040	0.203	0.8	0.3586	0.0000	OK
4320 minute summer	S5	5280	-0.040	0.244	1.8	0.4310	0.0000	OK
4320 minute summer	S9	5700	-0.040	0.256	0.6	0.5898	0.0000	OK
4320 minute summer	S10	5700	-0.040	0.281	0.6	0.4964	0.0000	OK
4320 minute summer	S11	5700	-0.040	0.286	2.5	0.5052	0.0000	OK
4320 minute summer	S12	5700	-0.040	0.295	2.9	0.5211	0.0000	OK
4320 minute summer	S1	5700	-0.040	0.224	2.6	0.5274	0.0000	OK
4320 minute summer	S3	5580	-0.040	0.267	4.2	0.8538	0.0000	OK
4320 minute summer	S2	5640	-0.040	0.296	4.7	0.5229	0.0000	OK
4320 minute summer	S14	5460	-0.040	0.269	0.2	0.4752	0.0000	OK
4320 minute summer	S15	5700	-0.040	0.306	10.1	1.3769	0.0000	OK
4320 minute summer	S75	5700	-0.040	0.322	18.1	0.8193	0.0000	OK
4320 minute summer	S87	5280	-0.040	0.246	1.7	0.7980	0.0000	OK
4320 minute summer	S88	5280	-0.040	0.268	3.5	0.8736	0.0000	OK
4320 minute summer	S89	5520	-0.040	0.290	5.2	0.9395	0.0000	OK
4320 minute summer	S90	5700	-0.040	0.312	6.8	0.9933	0.0000	OK
4320 minute summer	S92	5580	-0.040	0.339	25.8	0.8625	0.0000	OK
4320 minute summer	S81	5220	-0.040	0.262	1.7	0.8457	0.0000	OK
4320 minute summer	S82	5280	-0.040	0.284	3.5	0.9218	0.0000	OK
4320 minute summer	S83	5040	-0.040	0.305	5.2	0.9842	0.0000	OK
4320 minute summer	S84	5280	-0.040	0.327	6.8	1.0370	0.0000	OK
4320 minute summer	S86	5700	-0.040	0.353	32.5	0.8982	0.0000	OK
4320 minute summer	S76	5700	-0.040	0.277	1.7	0.8906	0.0000	OK
4320 minute summer	S77	5580	-0.040	0.299	3.5	0.9666	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	4.2730	
4320 minute summer	S25	2.000	S16	0.5	0.043	0.007	3.4708	
4320 minute summer	S16	1.001	S145	3.8	0.119	0.053	8.5938	
4320 minute summer	S145	1.002	S75	7.7	0.119	0.109	10.5475	
4320 minute summer	S4	3.000	S5	0.7	0.075	0.011	6.4967	
4320 minute summer	S5	3.001	S11	1.8	0.087	0.025	8.0230	
4320 minute summer	S9	4.000	S10	0.6	0.066	0.009	5.0178	
4320 minute summer	S10	4.001	S11	0.6	0.042	0.009	0.9144	
4320 minute summer	S11	3.002	S12	2.5	0.090	0.036	1.9619	
4320 minute summer	S12	3.003	S15	2.9	0.057	0.043	2.6138	
4320 minute summer	S1	5.000	S3	2.5	0.105	0.035	7.5368	
4320 minute summer	S3	5.001	S2	4.1	0.102	0.058	6.0424	
4320 minute summer	S2	5.002	S15	4.6	0.085	0.068	2.4286	
4320 minute summer	S14	6.000	S15	-0.2	-0.002	-0.003	8.0002	
4320 minute summer	S15	3.004	S75	10.1	0.119	0.141	3.7000	
4320 minute summer	S75	1.003	S92	18.0	0.193	0.253	4.2015	
4320 minute summer	S87	7.000	S88	1.7	0.091	0.023	4.0571	
4320 minute summer	S88	7.001	S89	3.4	0.107	0.048	4.4755	
4320 minute summer	S89	7.002	S90	5.1	0.121	0.072	4.8849	
4320 minute summer	S90	7.003	S92	6.8	0.079	0.096	6.6895	
4320 minute summer	S92	1.005	S86	25.8	0.262	0.362	3.6380	
4320 minute summer	S81	8.000	S82	1.7	0.082	0.023	4.3619	
4320 minute summer	S82	8.001	S83	3.4	0.104	0.049	4.7657	
4320 minute summer	S83	8.002	S84	5.1	0.111	0.072	5.1566	
4320 minute summer	S84	8.003	S86	6.8	0.074	0.095	6.6414	
4320 minute summer	S86	1.006	S30	32.4	0.319	0.457	3.7874	
4320 minute summer	S76	9.000	S77	1.7	0.078	0.023	4.6465	
4320 minute summer	S77	9.001	S78	3.4	0.097	0.048	5.0499	

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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	5580	-0.040	0.321	5.2	1.0316	0.0000	OK
4320 minute summer	S79	5580	-0.040	0.342	6.8	1.0801	0.0000	OK
4320 minute summer	S30	5520	-0.040	0.367	39.6	0.9338	0.0000	OK
4320 minute summer	S31	5160	-0.040	0.296	1.8	0.9801	0.0000	OK
4320 minute summer	S32	5760	-0.040	0.339	3.3	1.0465	0.0000	OK
4320 minute summer	S33	5640	-0.040	0.383	43.2	0.9745	0.0000	OK
4320 minute summer	S34	5520	-0.040	0.399	44.1	0.7050	0.0000	OK
4320 minute summer	S35	5400	-0.040	0.426	44.1	0.7527	0.0000	OK
4320 minute summer	S36	5760	-0.040	0.402	0.7	0.7102	0.0000	OK
4320 minute summer	S37	5640	-0.040	0.431	47.8	2.1187	0.0000	OK
4320 minute summer	S38	5520	-0.040	0.476	47.6	0.8413	0.0000	SURCHARGED
4320 minute summer	S39	4320	-0.038	0.524	47.4	0.9255	0.0000	SURCHARGED
4320 minute summer	S56	4320	-0.038	0.521	0.4	0.9204	0.0000	SURCHARGED
4320 minute summer	S57	4320	-0.038	0.527	47.3	1.3414	0.0000	SURCHARGED
4320 minute summer	S125	4320	-0.036	0.519	0.4	0.9164	0.0000	SURCHARGED
4320 minute summer	S127	4320	-0.036	0.543	47.2	1.3807	0.0000	SURCHARGED
4320 minute summer	S119	4320	-0.037	0.532	0.5	0.9397	0.0000	SURCHARGED
4320 minute summer	S60	4320	-0.037	0.556	46.9	1.4153	0.0000	SURCHARGED
4320 minute summer	Pond Inlet 1	4320	-0.034	0.576	46.7	1.0179	0.0000	OK
4320 minute summer	Pond Outlet	4440	-0.042	0.568	23.3	0.6427	0.0000	SURCHARGED
4320 minute summer	S13	4560	-0.042	0.596	0.0	2.0657	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	5.4278	
4320 minute summer	S79	9.003	S30	6.7	0.072	0.094	6.4949	
4320 minute summer	S30	1.007	S33	39.5	0.382	0.555	4.4701	
4320 minute summer	S31	10.000	S32	1.7	0.088	0.024	10.2954	
4320 minute summer	S32	10.001	S33	3.2	0.044	0.045	11.7288	
4320 minute summer	S33	1.008	S34	43.1	0.412	0.611	4.7144	
4320 minute summer	S34	1.009	S35	44.0	0.415	0.620	8.1600	
4320 minute summer	S35	1.010	S37	44.0	0.414	0.663	1.7638	
4320 minute summer	S36	11.000	S37	0.7	0.007	0.010	8.7935	
4320 minute summer	S37	1.011	S38	47.6	0.447	0.674	14.2259	
4320 minute summer	S38	1.012	S39	47.4	0.429	0.664	14.3287	
4320 minute summer	S39	1.013	S57	47.3	0.422	0.746	1.1814	
4320 minute summer	S56	12.011	S57	0.5	-0.014	0.007	2.0645	
4320 minute summer	S57	1.014	S127	47.2	0.425	0.667	4.4483	
4320 minute summer	S125	21.003	S127	0.7	-0.035	0.010	7.8151	
4320 minute summer	S127	1.015	S60	46.9	0.423	0.659	4.3871	
4320 minute summer	S119	22.003	S60	-0.5	-0.003	-0.007	7.8151	
4320 minute summer	S60	1.016	Pond Inlet 1	46.7	0.468	0.616	4.7280	
4320 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	23.3	0.010	0.000	3132.4932	
4320 minute summer	Pond Outlet	1.018	S13	0.0	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 +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	0.520	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 +40% 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	0.3676	0.0000	OK
4320 minute winter	S25	4020	-0.030	0.214	0.3	0.5447	0.0000	OK
4320 minute winter	S16	4020	-0.030	0.237	2.9	1.0510	0.0000	OK
4320 minute winter	S145	4020	-0.030	0.285	5.7	1.2277	0.0000	OK
4320 minute winter	S4	4020	-0.030	0.213	0.6	0.3766	0.0000	OK
4320 minute winter	S5	4020	-0.030	0.254	1.4	0.4488	0.0000	OK
4320 minute winter	S9	3960	-0.030	0.266	0.5	0.6128	0.0000	OK
4320 minute winter	S10	4020	-0.030	0.291	0.5	0.5142	0.0000	OK
4320 minute winter	S11	4020	-0.030	0.296	1.8	0.5231	0.0000	OK
4320 minute winter	S12	4020	-0.030	0.305	2.0	0.5390	0.0000	OK
4320 minute winter	S1	4020	-0.030	0.234	1.9	0.5511	0.0000	OK
4320 minute winter	S3	4020	-0.030	0.277	3.1	0.8861	0.0000	OK
4320 minute winter	S2	4020	-0.030	0.306	3.4	0.5407	0.0000	OK
4320 minute winter	S14	4020	-0.030	0.279	0.1	0.4931	0.0000	OK
4320 minute winter	S15	4020	-0.030	0.316	7.4	1.4224	0.0000	OK
4320 minute winter	S75	4020	-0.030	0.332	13.3	0.8452	0.0000	OK
4320 minute winter	S87	4080	-0.030	0.256	1.3	0.8305	0.0000	OK
4320 minute winter	S88	4020	-0.030	0.278	2.6	0.9066	0.0000	OK
4320 minute winter	S89	4080	-0.030	0.300	3.8	0.9725	0.0000	OK
4320 minute winter	S90	4020	-0.030	0.322	5.1	1.0260	0.0000	OK
4320 minute winter	S92	4080	-0.030	0.349	19.1	0.8886	0.0000	OK
4320 minute winter	S81	4020	-0.030	0.272	1.3	0.8785	0.0000	OK
4320 minute winter	S82	4020	-0.030	0.294	2.6	0.9548	0.0000	OK
4320 minute winter	S83	4020	-0.030	0.315	3.8	1.0169	0.0000	OK
4320 minute winter	S84	4020	-0.030	0.337	5.1	1.0690	0.0000	OK
4320 minute winter	S86	4080	-0.030	0.363	24.1	0.9240	0.0000	OK
4320 minute winter	S76	4080	-0.030	0.287	1.3	0.9227	0.0000	OK
4320 minute winter	S77	4020	-0.030	0.309	2.6	0.9985	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	4.5366	
4320 minute winter	S25	2.000	S16	0.3	0.039	0.004	3.6810	
4320 minute winter	S16	1.001	S145	2.8	0.124	0.040	9.0205	
4320 minute winter	S145	1.002	S75	5.7	0.118	0.080	10.9515	
4320 minute winter	S4	3.000	S5	0.6	0.075	0.008	6.8714	
4320 minute winter	S5	3.001	S11	1.3	0.092	0.018	8.3887	
4320 minute winter	S9	4.000	S10	0.5	0.060	0.007	5.2406	
4320 minute winter	S10	4.001	S11	0.5	0.033	0.006	0.9523	
4320 minute winter	S11	3.002	S12	1.7	0.077	0.025	2.0402	
4320 minute winter	S12	3.003	S15	2.0	0.051	0.029	2.7125	
4320 minute winter	S1	5.000	S3	1.9	0.107	0.026	7.9188	
4320 minute winter	S3	5.001	S2	3.0	0.103	0.043	6.2950	
4320 minute winter	S2	5.002	S15	3.4	0.084	0.050	2.5201	
4320 minute winter	S14	6.000	S15	0.1	-0.004	0.002	8.3239	
4320 minute winter	S15	3.004	S75	7.3	0.122	0.102	3.8296	
4320 minute winter	S75	1.003	S92	13.2	0.188	0.186	4.3357	
4320 minute winter	S87	7.000	S88	1.3	0.090	0.018	4.2497	
4320 minute winter	S88	7.001	S89	2.5	0.107	0.036	4.6654	
4320 minute winter	S89	7.002	S90	3.8	0.115	0.053	5.0701	
4320 minute winter	S90	7.003	S92	5.1	0.086	0.072	6.9106	
4320 minute winter	S92	1.005	S86	19.0	0.250	0.268	3.7434	
4320 minute winter	S81	8.000	S82	1.3	0.084	0.018	4.5539	
4320 minute winter	S82	8.001	S83	2.5	0.105	0.036	4.9521	
4320 minute winter	S83	8.002	S84	3.8	0.103	0.053	5.3347	
4320 minute winter	S84	8.003	S86	5.1	0.082	0.071	6.8394	
4320 minute winter	S86	1.006	S30	24.0	0.300	0.338	3.8863	
4320 minute winter	S76	9.000	S77	1.3	0.080	0.018	4.8309	
4320 minute winter	S77	9.001	S78	2.5	0.104	0.036	5.2271	

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Results for 100 year +40% 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	4020	-0.030	0.331	3.8	1.0636	0.0000	OK
4320 minute winter	S79	4020	-0.030	0.352	5.1	1.1114	0.0000	OK
4320 minute winter	S30	4080	-0.030	0.377	29.4	0.9594	0.0000	OK
4320 minute winter	S31	4020	-0.030	0.306	1.4	1.0130	0.0000	OK
4320 minute winter	S32	4020	-0.030	0.349	2.6	1.0771	0.0000	OK
4320 minute winter	S33	4080	-0.030	0.393	32.2	1.0001	0.0000	OK
4320 minute winter	S34	4080	-0.030	0.409	32.8	0.7224	0.0000	OK
4320 minute winter	S35	4080	-0.030	0.436	32.8	0.7698	0.0000	OK
4320 minute winter	S36	4080	-0.030	0.412	0.5	0.7277	0.0000	OK
4320 minute winter	S37	4080	-0.030	0.441	35.6	2.1660	0.0000	OK
4320 minute winter	S38	4020	-0.030	0.486	35.4	0.8586	0.0000	SURCHARGED
4320 minute winter	S39	4260	-0.030	0.532	35.2	0.9399	0.0000	SURCHARGED
4320 minute winter	S56	4260	-0.030	0.529	0.5	0.9342	0.0000	SURCHARGED
4320 minute winter	S57	4260	-0.030	0.535	35.1	1.3612	0.0000	SURCHARGED
4320 minute winter	S125	4260	-0.030	0.525	0.3	0.9281	0.0000	SURCHARGED
4320 minute winter	S127	4260	-0.030	0.549	35.0	1.3960	0.0000	SURCHARGED
4320 minute winter	S119	4260	-0.031	0.538	0.4	0.9507	0.0000	SURCHARGED
4320 minute winter	S60	4080	-0.031	0.562	34.8	1.4308	0.0000	SURCHARGED
4320 minute winter	Pond Inlet 1	4260	-0.025	0.585	34.6	1.0329	0.0000	OK
4320 minute winter	Pond Outlet	4080	-0.033	0.577	17.3	0.6530	0.0000	SURCHARGED
4320 minute winter	S13	4080	-0.033	0.605	5.7	2.0957	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	4.6674	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	5.5955	
4320 minute winter	S79	9.003	S30	5.0	0.078	0.070	6.6684	
4320 minute winter	S30	1.007	S33	29.3	0.355	0.412	4.5735	
4320 minute winter	S31	10.000	S32	1.4	0.072	0.019	10.6404	
4320 minute winter	S32	10.001	S33	2.5	0.065	0.034	12.0250	
4320 minute winter	S33	1.008	S34	32.1	0.382	0.455	4.8078	
4320 minute winter	S34	1.009	S35	32.7	0.382	0.461	8.2791	
4320 minute winter	S35	1.010	S37	32.8	0.380	0.494	1.7819	
4320 minute winter	S36	11.000	S37	0.5	0.009	0.007	8.9103	
4320 minute winter	S37	1.011	S38	35.4	0.408	0.501	14.2915	
4320 minute winter	S38	1.012	S39	35.2	0.389	0.493	14.3287	
4320 minute winter	S39	1.013	S57	35.1	0.381	0.554	1.1814	
4320 minute winter	S56	12.011	S57	-0.5	-0.003	-0.007	2.0645	
4320 minute winter	S57	1.014	S127	35.0	0.390	0.495	4.4483	
4320 minute winter	S125	21.003	S127	0.5	-0.012	0.007	7.8151	
4320 minute winter	S127	1.015	S60	34.8	0.398	0.489	4.3871	
4320 minute winter	S119	22.003	S60	-0.4	-0.012	-0.006	7.8151	
4320 minute winter	S60	1.016	Pond Inlet 1	34.6	0.490	0.457	4.7280	
4320 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	17.3	0.010	0.000	3186.7349	
4320 minute winter	Pond Outlet	1.018	S13	5.7	0.081	0.081	0.4779	
4320 minute winter	S13	Pump	Final Outfall	5.7				753.4
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 +40% 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	1980	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 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	0.5	0.737	0.004	0.0034	

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Results for 100 year +40% CC 5760 minute summer. 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 summer	S26	5340	-0.037	0.201	0.4	0.3553	0.0000	OK
5760 minute summer	S25	5340	-0.037	0.207	0.4	0.5267	0.0000	OK
5760 minute summer	S16	5340	-0.037	0.230	3.2	1.0200	0.0000	OK
5760 minute summer	S145	5340	-0.037	0.278	6.3	1.1976	0.0000	OK
5760 minute summer	S4	5340	-0.037	0.206	0.6	0.3640	0.0000	OK
5760 minute summer	S5	5340	-0.037	0.247	1.5	0.4364	0.0000	OK
5760 minute summer	S9	5340	-0.037	0.259	0.5	0.5962	0.0000	OK
5760 minute summer	S10	5340	-0.037	0.284	0.5	0.5019	0.0000	OK
5760 minute summer	S11	5340	-0.037	0.289	2.0	0.5108	0.0000	OK
5760 minute summer	S12	5340	-0.037	0.298	2.3	0.5267	0.0000	OK
5760 minute summer	S1	5340	-0.037	0.227	2.0	0.5345	0.0000	OK
5760 minute summer	S3	5340	-0.037	0.270	3.3	0.8635	0.0000	OK
5760 minute summer	S2	5340	-0.037	0.299	3.8	0.5281	0.0000	OK
5760 minute summer	S14	5340	-0.037	0.272	0.1	0.4807	0.0000	OK
5760 minute summer	S15	5340	-0.037	0.309	8.1	1.3909	0.0000	OK
5760 minute summer	S75	5340	-0.037	0.325	14.5	0.8271	0.0000	OK
5760 minute summer	S87	5340	-0.037	0.249	1.4	0.8087	0.0000	OK
5760 minute summer	S88	5340	-0.037	0.271	2.8	0.8844	0.0000	OK
5760 minute summer	S89	5340	-0.037	0.293	4.1	0.9495	0.0000	OK
5760 minute summer	S90	5340	-0.037	0.315	5.5	1.0034	0.0000	OK
5760 minute summer	S92	5340	-0.037	0.342	20.7	0.8706	0.0000	OK
5760 minute summer	S81	5400	-0.037	0.265	1.4	0.8555	0.0000	OK
5760 minute summer	S82	5340	-0.037	0.287	2.8	0.9322	0.0000	OK
5760 minute summer	S83	5340	-0.037	0.308	4.1	0.9936	0.0000	OK
5760 minute summer	S84	5340	-0.037	0.330	5.5	1.0480	0.0000	OK
5760 minute summer	S86	5340	-0.037	0.356	26.1	0.9064	0.0000	OK
5760 minute summer	S76	5400	-0.037	0.280	1.4	0.9005	0.0000	OK
5760 minute summer	S77	5400	-0.037	0.302	2.8	0.9760	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	4.3558	
5760 minute summer	S25	2.000	S16	0.4	0.043	0.005	3.5353	
5760 minute summer	S16	1.001	S145	3.1	0.124	0.043	8.7282	
5760 minute summer	S145	1.002	S75	6.2	0.118	0.087	10.6742	
5760 minute summer	S4	3.000	S5	0.6	0.075	0.009	6.6105	
5760 minute summer	S5	3.001	S11	1.4	0.107	0.020	8.1359	
5760 minute summer	S9	4.000	S10	0.5	0.059	0.007	5.0835	
5760 minute summer	S10	4.001	S11	0.5	0.037	0.007	0.9263	
5760 minute summer	S11	3.002	S12	2.0	0.094	0.028	1.9866	
5760 minute summer	S12	3.003	S15	2.3	0.058	0.033	2.6448	
5760 minute summer	S1	5.000	S3	2.0	0.105	0.028	7.6517	
5760 minute summer	S3	5.001	S2	3.3	0.105	0.046	6.1176	
5760 minute summer	S2	5.002	S15	3.7	0.086	0.055	2.4563	
5760 minute summer	S14	6.000	S15	-0.1	-0.002	-0.002	8.1010	
5760 minute summer	S15	3.004	S75	7.9	0.120	0.111	3.7401	
5760 minute summer	S75	1.003	S92	14.4	0.186	0.203	4.2432	
5760 minute summer	S87	7.000	S88	1.4	0.090	0.019	4.1202	
5760 minute summer	S88	7.001	S89	2.7	0.107	0.038	4.5358	
5760 minute summer	S89	7.002	S90	4.1	0.107	0.057	4.9423	
5760 minute summer	S90	7.003	S92	5.4	0.077	0.077	6.7588	
5760 minute summer	S92	1.005	S86	20.7	0.249	0.291	3.6717	
5760 minute summer	S81	8.000	S82	1.4	0.084	0.019	4.4208	
5760 minute summer	S82	8.001	S83	2.7	0.103	0.039	4.8225	
5760 minute summer	S83	8.002	S84	4.1	0.102	0.057	5.2130	
5760 minute summer	S84	8.003	S86	5.4	0.071	0.076	6.7081	
5760 minute summer	S86	1.006	S30	26.0	0.302	0.367	3.8193	
5760 minute summer	S76	9.000	S77	1.4	0.080	0.019	4.7024	
5760 minute summer	S77	9.001	S78	2.7	0.095	0.038	5.1030	

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Results for 100 year +40% CC 5760 minute summer. 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 summer	S78	5340	-0.037	0.324	4.1	1.0415	0.0000	OK
5760 minute summer	S79	5340	-0.037	0.345	5.5	1.0906	0.0000	OK
5760 minute summer	S30	5340	-0.037	0.370	31.7	0.9418	0.0000	OK
5760 minute summer	S31	5400	-0.037	0.299	1.5	0.9910	0.0000	OK
5760 minute summer	S32	5340	-0.037	0.342	2.7	1.0568	0.0000	OK
5760 minute summer	S33	5340	-0.037	0.386	34.7	0.9826	0.0000	OK
5760 minute summer	S34	5340	-0.037	0.402	35.4	0.7102	0.0000	OK
5760 minute summer	S35	5340	-0.036	0.430	35.5	0.7590	0.0000	OK
5760 minute summer	S36	5340	-0.038	0.404	1.0	0.7141	0.0000	OK
5760 minute summer	S37	5340	-0.037	0.434	38.5	2.1356	0.0000	OK
5760 minute summer	S38	5460	-0.037	0.479	38.3	0.8471	0.0000	SURCHARGED
5760 minute summer	S39	5460	-0.035	0.527	38.1	0.9313	0.0000	SURCHARGED
5760 minute summer	S56	5460	-0.035	0.524	0.6	0.9264	0.0000	SURCHARGED
5760 minute summer	S57	5460	-0.035	0.530	38.0	1.3489	0.0000	SURCHARGED
5760 minute summer	S125	5340	-0.032	0.523	0.7	0.9238	0.0000	SURCHARGED
5760 minute summer	S127	5340	-0.033	0.546	37.9	1.3884	0.0000	SURCHARGED
5760 minute summer	S119	5340	-0.033	0.536	1.0	0.9472	0.0000	SURCHARGED
5760 minute summer	S60	5340	-0.034	0.559	37.7	1.4224	0.0000	SURCHARGED
5760 minute summer	Pond Inlet 1	5400	-0.032	0.578	37.5	1.0215	0.0000	OK
5760 minute summer	Pond Outlet	5340	-0.039	0.571	18.7	0.6461	0.0000	SURCHARGED
5760 minute summer	S13	5340	-0.039	0.599	5.6	2.0759	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	4.8911	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	0.093	0.058	5.4824	
5760 minute summer	S79	9.003	S30	5.4	0.068	0.075	6.5523	
5760 minute summer	S30	1.007	S33	31.7	0.358	0.445	4.5034	
5760 minute summer	S31	10.000	S32	1.4	0.086	0.020	10.4104	
5760 minute summer	S32	10.001	S33	2.6	0.038	0.037	11.8285	
5760 minute summer	S33	1.008	S34	34.6	0.384	0.491	4.7445	
5760 minute summer	S34	1.009	S35	35.4	0.382	0.498	8.1999	
5760 minute summer	S35	1.010	S37	35.4	0.378	0.533	1.7710	
5760 minute summer	S36	11.000	S37	1.3	0.011	0.018	8.8288	
5760 minute summer	S37	1.011	S38	38.3	0.401	0.542	14.2539	
5760 minute summer	S38	1.012	S39	38.1	0.371	0.534	14.3287	
5760 minute summer	S39	1.013	S57	38.0	0.356	0.600	1.1814	
5760 minute summer	S56	12.011	S57	-0.6	-0.059	-0.009	2.0645	
5760 minute summer	S57	1.014	S127	37.9	0.356	0.536	4.4483	
5760 minute summer	S125	21.003	S127	1.0	0.006	0.014	7.8151	
5760 minute summer	S127	1.015	S60	37.7	0.348	0.529	4.3871	
5760 minute summer	S119	22.003	S60	1.2	0.007	0.017	7.8151	
5760 minute summer	S60	1.016	Pond Inlet 1	37.5	0.397	0.495	4.7280	
5760 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	18.7	0.008	0.000	3150.3032	
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				552.2
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 +40% CC 5760 minute summer. 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 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 +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	4500	-0.026	0.212	0.3	0.3749	0.0000	OK
5760 minute winter	S25	4560	-0.026	0.218	0.3	0.5554	0.0000	OK
5760 minute winter	S16	4560	-0.026	0.241	2.4	1.0694	0.0000	OK
5760 minute winter	S145	4620	-0.026	0.289	4.6	1.2457	0.0000	OK
5760 minute winter	S4	4620	-0.026	0.217	0.4	0.3837	0.0000	OK
5760 minute winter	S5	4620	-0.026	0.258	1.1	0.4562	0.0000	OK
5760 minute winter	S9	4560	-0.026	0.270	0.4	0.6226	0.0000	OK
5760 minute winter	S10	4560	-0.026	0.295	0.4	0.5214	0.0000	OK
5760 minute winter	S11	4560	-0.026	0.300	1.4	0.5303	0.0000	OK
5760 minute winter	S12	4560	-0.026	0.309	1.5	0.5462	0.0000	OK
5760 minute winter	S1	4620	-0.026	0.238	1.5	0.5609	0.0000	OK
5760 minute winter	S3	4560	-0.026	0.281	2.5	0.8991	0.0000	OK
5760 minute winter	S2	4560	-0.026	0.310	2.7	0.5484	0.0000	OK
5760 minute winter	S14	4560	-0.026	0.283	0.1	0.5004	0.0000	OK
5760 minute winter	S15	4560	-0.026	0.320	5.9	1.4412	0.0000	OK
5760 minute winter	S75	4560	-0.026	0.336	10.6	0.8555	0.0000	OK
5760 minute winter	S87	4560	-0.026	0.260	1.0	0.8440	0.0000	OK
5760 minute winter	S88	4560	-0.026	0.282	2.0	0.9204	0.0000	OK
5760 minute winter	S89	4560	-0.026	0.304	2.9	0.9858	0.0000	OK
5760 minute winter	S90	4680	-0.026	0.326	3.9	1.0388	0.0000	OK
5760 minute winter	S92	4680	-0.026	0.353	15.1	0.8987	0.0000	OK
5760 minute winter	S81	4560	-0.026	0.276	1.0	0.8913	0.0000	OK
5760 minute winter	S82	4620	-0.026	0.298	2.0	0.9680	0.0000	OK
5760 minute winter	S83	4560	-0.026	0.319	2.9	1.0301	0.0000	OK
5760 minute winter	S84	4560	-0.026	0.341	3.9	1.0820	0.0000	OK
5760 minute winter	S86	4560	-0.026	0.367	18.9	0.9340	0.0000	OK
5760 minute winter	S76	4620	-0.026	0.291	1.0	0.9355	0.0000	OK
5760 minute winter	S77	4620	-0.026	0.313	2.0	1.0123	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	4.6446	
5760 minute winter	S25	2.000	S16	0.3	0.043	0.004	3.7677	
5760 minute winter	S16	1.001	S145	2.3	0.119	0.032	9.1919	
5760 minute winter	S145	1.002	S75	4.5	0.118	0.064	11.1123	
5760 minute winter	S4	3.000	S5	0.4	0.075	0.005	7.0233	
5760 minute winter	S5	3.001	S11	1.0	0.092	0.014	8.5360	
5760 minute winter	S9	4.000	S10	0.4	0.061	0.005	5.3335	
5760 minute winter	S10	4.001	S11	0.4	0.035	0.005	0.9674	
5760 minute winter	S11	3.002	S12	1.3	0.080	0.019	2.0714	
5760 minute winter	S12	3.003	S15	1.5	0.051	0.022	2.7522	
5760 minute winter	S1	5.000	S3	1.5	0.105	0.021	8.0729	
5760 minute winter	S3	5.001	S2	2.4	0.103	0.034	6.3984	
5760 minute winter	S2	5.002	S15	2.7	0.086	0.039	2.5579	
5760 minute winter	S14	6.000	S15	0.1	-0.003	0.002	8.4546	
5760 minute winter	S15	3.004	S75	5.8	0.120	0.081	3.8814	
5760 minute winter	S75	1.003	S92	10.6	0.186	0.149	4.3875	
5760 minute winter	S87	7.000	S88	1.0	0.091	0.014	4.3300	
5760 minute winter	S88	7.001	S89	1.9	0.107	0.027	4.7437	
5760 minute winter	S89	7.002	S90	2.9	0.114	0.041	5.1428	
5760 minute winter	S90	7.003	S92	3.9	0.116	0.055	6.9949	
5760 minute winter	S92	1.005	S86	15.1	0.239	0.212	3.7831	
5760 minute winter	S81	8.000	S82	1.0	0.084	0.014	4.6294	
5760 minute winter	S82	8.001	S83	1.9	0.104	0.028	5.0259	
5760 minute winter	S83	8.002	S84	2.9	0.103	0.041	5.4050	
5760 minute winter	S84	8.003	S86	3.9	0.113	0.054	6.9161	
5760 minute winter	S86	1.006	S30	18.9	0.284	0.266	3.9237	
5760 minute winter	S76	9.000	S77	1.0	0.080	0.014	4.9063	
5760 minute winter	S77	9.001	S78	1.9	0.097	0.027	5.3001	

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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	4560	-0.026	0.335	2.9	1.0768	0.0000	OK
5760 minute winter	S79	4560	-0.026	0.356	3.9	1.1249	0.0000	OK
5760 minute winter	S30	4560	-0.026	0.381	22.9	0.9696	0.0000	OK
5760 minute winter	S31	4620	-0.026	0.310	1.1	1.0268	0.0000	OK
5760 minute winter	S32	4620	-0.026	0.353	2.0	1.0898	0.0000	OK
5760 minute winter	S33	4560	-0.026	0.397	25.0	1.0101	0.0000	OK
5760 minute winter	S34	4560	-0.026	0.413	25.5	0.7295	0.0000	OK
5760 minute winter	S35	4560	-0.026	0.440	25.6	0.7771	0.0000	OK
5760 minute winter	S36	4620	-0.026	0.416	0.8	0.7345	0.0000	OK
5760 minute winter	S37	4560	-0.026	0.445	27.7	2.1861	0.0000	OK
5760 minute winter	S38	4680	-0.027	0.489	27.5	0.8649	0.0000	SURCHARGED
5760 minute winter	S39	4500	-0.027	0.535	27.4	0.9458	0.0000	SURCHARGED
5760 minute winter	S56	4440	-0.026	0.533	0.5	0.9414	0.0000	SURCHARGED
5760 minute winter	S57	4500	-0.027	0.538	27.3	1.3697	0.0000	SURCHARGED
5760 minute winter	S125	4800	-0.027	0.528	0.4	0.9336	0.0000	SURCHARGED
5760 minute winter	S127	4560	-0.027	0.552	27.2	1.4043	0.0000	SURCHARGED
5760 minute winter	S119	4620	-0.026	0.543	0.6	0.9590	0.0000	SURCHARGED
5760 minute winter	S60	4440	-0.027	0.566	27.1	1.4411	0.0000	SURCHARGED
5760 minute winter	Pond Inlet 1	4440	-0.023	0.587	41.6	1.0371	0.0000	OK
5760 minute winter	Pond Outlet	4620	-0.029	0.581	13.4	0.6576	0.0000	SURCHARGED
5760 minute winter	S13	4620	-0.029	0.609	6.1	2.1099	0.0000	SURCHARGED
5760 minute winter	Final Outfall	60	-0.740	0.000	5.8	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	2820	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	3120	0.521	0.021	1.1	3.7765	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	0.096	0.042	5.6650	
5760 minute winter	S79	9.003	S30	3.8	0.097	0.053	6.7386	
5760 minute winter	S30	1.007	S33	22.9	0.332	0.321	4.6126	
5760 minute winter	S31	10.000	S32	1.1	0.083	0.015	10.7809	
5760 minute winter	S32	10.001	S33	1.9	0.079	0.026	12.1421	
5760 minute winter	S33	1.008	S34	24.9	0.355	0.353	4.8431	
5760 minute winter	S34	1.009	S35	25.5	0.353	0.359	8.3201	
5760 minute winter	S35	1.010	S37	25.5	0.349	0.384	1.7877	
5760 minute winter	S36	11.000	S37	-0.7	0.010	-0.010	8.9527	
5760 minute winter	S37	1.011	S38	27.5	0.371	0.390	14.3144	
5760 minute winter	S38	1.012	S39	27.4	0.345	0.383	14.3287	
5760 minute winter	S39	1.013	S57	27.3	0.333	0.431	1.1814	
5760 minute winter	S56	12.011	S57	-0.5	-0.003	-0.008	2.0645	
5760 minute winter	S57	1.014	S127	27.2	0.334	0.385	4.4483	
5760 minute winter	S125	21.003	S127	0.4	-0.017	0.006	7.8151	
5760 minute winter	S127	1.015	S60	27.1	0.333	0.380	4.3871	
5760 minute winter	S119	22.003	S60	-0.6	-0.066	-0.008	7.8151	
5760 minute winter	S60	1.016	Pond Inlet 1	26.9	0.460	0.355	4.7280	
5760 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	13.4	0.008	0.000	3211.4565	
5760 minute winter	Pond Outlet	1.018	S13	6.1	0.086	0.085	0.4779	
5760 minute winter	S13	Pump	Final Outfall	5.8				1022.5
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 +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	0.516	0.016	0.7	0.2748	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	2940	0.514	0.014	0.7	0.2394	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	2880	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	2520	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	0.7	0.585	0.009	0.0060	
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	0.7	0.733	0.007	0.0048	
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 +40% CC 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	6000	-0.037	0.201	0.4	0.3558	0.0000	OK
7200 minute summer	S25	6000	-0.037	0.207	0.3	0.5276	0.0000	OK
7200 minute summer	S16	6000	-0.037	0.230	2.8	1.0212	0.0000	OK
7200 minute summer	S145	6000	-0.037	0.278	5.3	1.1987	0.0000	OK
7200 minute summer	S4	6000	-0.037	0.206	0.5	0.3644	0.0000	OK
7200 minute summer	S5	6000	-0.037	0.247	1.3	0.4368	0.0000	OK
7200 minute summer	S9	6000	-0.037	0.259	0.4	0.5972	0.0000	OK
7200 minute summer	S10	6000	-0.037	0.284	0.4	0.5022	0.0000	OK
7200 minute summer	S11	6000	-0.037	0.289	1.6	0.5111	0.0000	OK
7200 minute summer	S12	6000	-0.037	0.298	1.9	0.5270	0.0000	OK
7200 minute summer	S1	6000	-0.037	0.227	1.8	0.5351	0.0000	OK
7200 minute summer	S3	6000	-0.037	0.270	2.8	0.8640	0.0000	OK
7200 minute summer	S2	6000	-0.037	0.299	3.2	0.5291	0.0000	OK
7200 minute summer	S14	6000	-0.037	0.272	0.2	0.4810	0.0000	OK
7200 minute summer	S15	6000	-0.037	0.309	6.8	1.3922	0.0000	OK
7200 minute summer	S75	6000	-0.037	0.325	12.2	0.8271	0.0000	OK
7200 minute summer	S87	6000	-0.037	0.249	1.2	0.8083	0.0000	OK
7200 minute summer	S88	6000	-0.036	0.272	2.4	0.8856	0.0000	OK
7200 minute summer	S89	6000	-0.037	0.293	3.5	0.9507	0.0000	OK
7200 minute summer	S90	6000	-0.037	0.315	4.7	1.0027	0.0000	OK
7200 minute summer	S92	6000	-0.037	0.342	17.6	0.8704	0.0000	OK
7200 minute summer	S81	6000	-0.037	0.265	1.2	0.8562	0.0000	OK
7200 minute summer	S82	6000	-0.037	0.287	2.4	0.9327	0.0000	OK
7200 minute summer	S83	6000	-0.037	0.308	3.5	0.9950	0.0000	OK
7200 minute summer	S84	6000	-0.037	0.330	4.7	1.0472	0.0000	OK
7200 minute summer	S86	6000	-0.037	0.356	22.2	0.9063	0.0000	OK
7200 minute summer	S76	6000	-0.037	0.280	1.2	0.9014	0.0000	OK
7200 minute summer	S77	6000	-0.037	0.302	2.4	0.9768	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	4.3625	
7200 minute summer	S25	2.000	S16	0.3	0.039	0.004	3.5415	
7200 minute summer	S16	1.001	S145	2.7	0.120	0.038	8.7396	
7200 minute summer	S145	1.002	S75	5.2	0.119	0.074	10.6793	
7200 minute summer	S4	3.000	S5	0.5	0.078	0.007	6.6184	
7200 minute summer	S5	3.001	S11	1.2	0.101	0.017	8.1425	
7200 minute summer	S9	4.000	S10	0.4	0.060	0.006	5.0904	
7200 minute summer	S10	4.001	S11	0.4	0.039	0.005	0.9269	
7200 minute summer	S11	3.002	S12	1.6	0.085	0.023	1.9878	
7200 minute summer	S12	3.003	S15	1.9	0.058	0.028	2.6469	
7200 minute summer	S1	5.000	S3	1.7	0.105	0.024	7.6600	
7200 minute summer	S3	5.001	S2	2.8	0.103	0.039	6.1272	
7200 minute summer	S2	5.002	S15	3.1	0.085	0.046	2.4603	
7200 minute summer	S14	6.000	S15	-0.2	-0.002	-0.003	8.1075	
7200 minute summer	S15	3.004	S75	6.8	0.119	0.096	3.7417	
7200 minute summer	S75	1.003	S92	12.2	0.183	0.171	4.2425	
7200 minute summer	S87	7.000	S88	1.2	0.088	0.016	4.1227	
7200 minute summer	S88	7.001	S89	2.3	0.108	0.033	4.5426	
7200 minute summer	S89	7.002	S90	3.5	0.108	0.049	4.9433	
7200 minute summer	S90	7.003	S92	4.6	0.083	0.066	6.7552	
7200 minute summer	S92	1.005	S86	17.5	0.242	0.247	3.6711	
7200 minute summer	S81	8.000	S82	1.2	0.085	0.016	4.4249	
7200 minute summer	S82	8.001	S83	2.3	0.103	0.033	4.8279	
7200 minute summer	S83	8.002	S84	3.5	0.103	0.049	5.2148	
7200 minute summer	S84	8.003	S86	4.6	0.074	0.065	6.7053	
7200 minute summer	S86	1.006	S30	22.1	0.288	0.311	3.8198	
7200 minute summer	S76	9.000	S77	1.2	0.081	0.016	4.7072	
7200 minute summer	S77	9.001	S78	2.3	0.096	0.033	5.1078	

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Results for 100 year +40% CC 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	6000	-0.037	0.324	3.5	1.0421	0.0000	OK
7200 minute summer	S79	6000	-0.037	0.345	4.7	1.0905	0.0000	OK
7200 minute summer	S30	6000	-0.037	0.370	27.0	0.9421	0.0000	OK
7200 minute summer	S31	6000	-0.037	0.299	1.2	0.9894	0.0000	OK
7200 minute summer	S32	6000	-0.037	0.342	2.2	1.0563	0.0000	OK
7200 minute summer	S33	6000	-0.037	0.386	29.4	0.9833	0.0000	OK
7200 minute summer	S34	6000	-0.037	0.402	29.9	0.7111	0.0000	OK
7200 minute summer	S35	6000	-0.037	0.429	30.0	0.7589	0.0000	OK
7200 minute summer	S36	6060	-0.037	0.405	1.2	0.7155	0.0000	OK
7200 minute summer	S37	6000	-0.037	0.434	32.5	2.1359	0.0000	OK
7200 minute summer	S38	6000	-0.034	0.482	32.3	0.8509	0.0000	SURCHARGED
7200 minute summer	S39	6000	-0.034	0.528	32.1	0.9331	0.0000	SURCHARGED
7200 minute summer	S56	6000	-0.033	0.526	0.7	0.9292	0.0000	SURCHARGED
7200 minute summer	S57	6000	-0.034	0.531	32.0	1.3520	0.0000	SURCHARGED
7200 minute summer	S125	5940	-0.033	0.522	0.5	0.9231	0.0000	SURCHARGED
7200 minute summer	S127	6000	-0.035	0.544	32.0	1.3856	0.0000	SURCHARGED
7200 minute summer	S119	5940	-0.033	0.536	0.9	0.9471	0.0000	SURCHARGED
7200 minute summer	S60	6000	-0.035	0.558	31.8	1.4201	0.0000	SURCHARGED
7200 minute summer	Pond Inlet 1	5940	-0.032	0.578	31.6	1.0213	0.0000	OK
7200 minute summer	Pond Outlet	6000	-0.039	0.571	15.8	0.6463	0.0000	SURCHARGED
7200 minute summer	S13	6000	-0.039	0.599	5.6	2.0752	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	3540	0.512	0.012	0.3	0.1335	0.0000	OK
7200 minute summer	PP-S16	3660	0.515	0.015	0.6	0.2341	0.0000	OK
7200 minute summer	PP-S145	3600	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	4.3075	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	3.5	0.098	0.050	5.4840	
7200 minute summer	S79	9.003	S30	4.6	0.065	0.064	6.5532	
7200 minute summer	S30	1.007	S33	27.0	0.338	0.379	4.5055	
7200 minute summer	S31	10.000	S32	1.2	0.087	0.017	10.3999	
7200 minute summer	S32	10.001	S33	2.1	0.039	0.030	11.8291	
7200 minute summer	S33	1.008	S34	29.3	0.360	0.416	4.7480	
7200 minute summer	S34	1.009	S35	29.9	0.356	0.421	8.2035	
7200 minute summer	S35	1.010	S37	29.9	0.350	0.450	1.7710	
7200 minute summer	S36	11.000	S37	1.6	-0.037	0.022	8.8311	
7200 minute summer	S37	1.011	S38	32.3	0.368	0.458	14.2544	
7200 minute summer	S38	1.012	S39	32.1	0.333	0.450	14.3287	
7200 minute summer	S39	1.013	S57	32.0	0.315	0.506	1.1814	
7200 minute summer	S56	12.011	S57	0.8	-0.064	0.012	2.0645	
7200 minute summer	S57	1.014	S127	32.0	0.311	0.452	4.4483	
7200 minute summer	S125	21.003	S127	0.8	0.005	0.012	7.8151	
7200 minute summer	S127	1.015	S60	31.8	0.299	0.446	4.3871	
7200 minute summer	S119	22.003	S60	1.0	0.006	0.015	7.8151	
7200 minute summer	S60	1.016	Pond Inlet 1	31.6	0.374	0.417	4.7280	
7200 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	15.8	0.008	0.000	3151.2114	
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				791.5
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	0.6	0.524	0.009	0.0057	
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 +40% CC 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	0.517	0.017	0.8	0.3083	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	3480	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	0.8	0.2710	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	3420	0.509	0.009	0.3	0.0814	0.0000	OK
7200 minute summer	PP-S34	3540	0.512	0.012	0.6	0.2005	0.0000	OK
7200 minute summer	PP-S35	3180	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	0.8	0.609	0.011	0.0066	
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	0.8	0.764	0.008	0.0052	
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 +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	5400	-0.024	0.214	0.3	0.3787	0.0000	OK
7200 minute winter	S25	5400	-0.024	0.220	0.2	0.5606	0.0000	OK
7200 minute winter	S16	5400	-0.024	0.243	2.0	1.0784	0.0000	OK
7200 minute winter	S145	5400	-0.024	0.291	3.9	1.2536	0.0000	OK
7200 minute winter	S4	5400	-0.024	0.219	0.4	0.3876	0.0000	OK
7200 minute winter	S5	5400	-0.024	0.260	0.9	0.4597	0.0000	OK
7200 minute winter	S9	5220	-0.024	0.272	0.3	0.6268	0.0000	OK
7200 minute winter	S10	5400	-0.024	0.297	0.3	0.5252	0.0000	OK
7200 minute winter	S11	5400	-0.024	0.302	1.1	0.5341	0.0000	OK
7200 minute winter	S12	5400	-0.024	0.311	1.3	0.5500	0.0000	OK
7200 minute winter	S1	5400	-0.024	0.240	1.2	0.5658	0.0000	OK
7200 minute winter	S3	5400	-0.024	0.283	2.0	0.9057	0.0000	OK
7200 minute winter	S2	5400	-0.024	0.312	2.2	0.5518	0.0000	OK
7200 minute winter	S14	5400	-0.024	0.285	0.2	0.5038	0.0000	OK
7200 minute winter	S15	5400	-0.024	0.322	4.8	1.4504	0.0000	OK
7200 minute winter	S75	5400	-0.024	0.338	8.6	0.8607	0.0000	OK
7200 minute winter	S87	5220	-0.024	0.262	0.8	0.8500	0.0000	OK
7200 minute winter	S88	5400	-0.024	0.284	1.7	0.9263	0.0000	OK
7200 minute winter	S89	5400	-0.024	0.306	2.5	0.9926	0.0000	OK
7200 minute winter	S90	5400	-0.024	0.328	3.3	1.0459	0.0000	OK
7200 minute winter	S92	5400	-0.024	0.355	12.3	0.9042	0.0000	OK
7200 minute winter	S81	5400	-0.024	0.278	0.8	0.8978	0.0000	OK
7200 minute winter	S82	5400	-0.024	0.300	1.7	0.9744	0.0000	OK
7200 minute winter	S83	5400	-0.024	0.321	2.5	1.0368	0.0000	OK
7200 minute winter	S84	5400	-0.024	0.343	3.3	1.0887	0.0000	OK
7200 minute winter	S86	5400	-0.024	0.369	15.5	0.9394	0.0000	OK
7200 minute winter	S76	5400	-0.024	0.293	0.8	0.9424	0.0000	OK
7200 minute winter	S77	5400	-0.024	0.315	1.7	1.0189	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	0.050	0.004	4.6988	
7200 minute winter	S25	2.000	S16	0.2	0.043	0.003	3.8102	
7200 minute winter	S16	1.001	S145	1.9	0.120	0.027	9.2738	
7200 minute winter	S145	1.002	S75	3.8	0.119	0.054	11.1871	
7200 minute winter	S4	3.000	S5	0.4	0.078	0.005	7.1010	
7200 minute winter	S5	3.001	S11	0.8	0.100	0.012	8.6117	
7200 minute winter	S9	4.000	S10	0.3	0.061	0.004	5.3758	
7200 minute winter	S10	4.001	S11	0.3	0.040	0.004	0.9754	
7200 minute winter	S11	3.002	S12	1.1	0.086	0.015	2.0878	
7200 minute winter	S12	3.003	S15	1.3	0.059	0.019	2.7722	
7200 minute winter	S1	5.000	S3	1.2	0.105	0.017	8.1514	
7200 minute winter	S3	5.001	S2	1.9	0.103	0.027	6.4478	
7200 minute winter	S2	5.002	S15	2.2	0.086	0.033	2.5755	
7200 minute winter	S14	6.000	S15	-0.2	-0.002	-0.003	8.5173	
7200 minute winter	S15	3.004	S75	4.7	0.122	0.066	3.9067	
7200 minute winter	S75	1.003	S92	8.6	0.181	0.121	4.4143	
7200 minute winter	S87	7.000	S88	0.8	0.091	0.011	4.3639	
7200 minute winter	S88	7.001	S89	1.6	0.107	0.023	4.7797	
7200 minute winter	S89	7.002	S90	2.5	0.107	0.035	5.1817	
7200 minute winter	S90	7.003	S92	3.2	0.095	0.046	7.0409	
7200 minute winter	S92	1.005	S86	12.2	0.232	0.172	3.8044	
7200 minute winter	S81	8.000	S82	0.8	0.085	0.011	4.6666	
7200 minute winter	S82	8.001	S83	1.6	0.103	0.023	5.0624	
7200 minute winter	S83	8.002	S84	2.5	0.103	0.035	5.4409	
7200 minute winter	S84	8.003	S86	3.2	0.084	0.046	6.9561	
7200 minute winter	S86	1.006	S30	15.4	0.273	0.217	3.9424	
7200 minute winter	S76	9.000	S77	0.8	0.080	0.011	4.9445	
7200 minute winter	S77	9.001	S78	1.6	0.095	0.023	5.3355	

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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	5400	-0.024	0.337	2.5	1.0831	0.0000	OK
7200 minute winter	S79	5400	-0.024	0.358	3.3	1.1311	0.0000	OK
7200 minute winter	S30	5460	-0.024	0.383	18.8	0.9745	0.0000	OK
7200 minute winter	S31	5400	-0.024	0.312	0.9	1.0332	0.0000	OK
7200 minute winter	S32	5400	-0.024	0.355	1.7	1.0958	0.0000	OK
7200 minute winter	S33	5520	-0.024	0.399	20.5	1.0150	0.0000	OK
7200 minute winter	S34	5400	-0.024	0.415	20.9	0.7331	0.0000	OK
7200 minute winter	S35	5400	-0.025	0.441	21.0	0.7800	0.0000	OK
7200 minute winter	S36	5700	-0.024	0.418	0.6	0.7391	0.0000	OK
7200 minute winter	S37	5400	-0.025	0.446	22.8	2.1942	0.0000	OK
7200 minute winter	S38	5400	-0.024	0.492	22.6	0.8691	0.0000	SURCHARGED
7200 minute winter	S39	5400	-0.024	0.538	22.5	0.9499	0.0000	SURCHARGED
7200 minute winter	S56	5280	-0.025	0.534	0.5	0.9439	0.0000	SURCHARGED
7200 minute winter	S57	5280	-0.025	0.540	22.4	1.3755	0.0000	SURCHARGED
7200 minute winter	S125	5580	-0.025	0.530	0.5	0.9358	0.0000	SURCHARGED
7200 minute winter	S127	5280	-0.024	0.555	22.4	1.4115	0.0000	SURCHARGED
7200 minute winter	S119	5580	-0.025	0.544	0.4	0.9617	0.0000	SURCHARGED
7200 minute winter	S60	5520	-0.025	0.568	22.2	1.4448	0.0000	SURCHARGED
7200 minute winter	Pond Inlet 1	5700	-0.023	0.587	38.6	1.0373	0.0000	OK
7200 minute winter	Pond Outlet	5520	-0.026	0.584	11.7	0.6600	0.0000	SURCHARGED
7200 minute winter	S13	5520	-0.027	0.611	5.9	2.1172	0.0000	SURCHARGED
7200 minute winter	Final Outfall	60	-0.740	0.000	5.9	0.0000	0.0000	OK
7200 minute winter	PP-S26	3660	0.514	0.014	0.3	0.2027	0.0000	OK
7200 minute winter	PP-S25	2940	0.510	0.010	0.2	0.0943	0.0000	OK
7200 minute winter	PP-S16	3360	0.513	0.013	0.4	0.1619	0.0000	OK
7200 minute winter	PP-S145	3600	0.513	0.013	0.5	0.1714	0.0000	OK
7200 minute winter	PP-S4	3540	0.514	0.014	0.4	0.1852	0.0000	OK
7200 minute winter	PP-S1	3960	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)
7200 minute winter	S78	9.002	S79	2.5	0.097	0.036	5.6969	
7200 minute winter	S79	9.003	S30	3.2	0.077	0.045	6.7706	
7200 minute winter	S30	1.007	S33	18.8	0.319	0.264	4.6307	
7200 minute winter	S31	10.000	S32	0.9	0.085	0.012	10.8466	
7200 minute winter	S32	10.001	S33	1.6	0.058	0.022	12.1940	
7200 minute winter	S33	1.008	S34	20.4	0.339	0.290	4.8591	
7200 minute winter	S34	1.009	S35	20.9	0.334	0.294	8.3392	
7200 minute winter	S35	1.010	S37	20.9	0.329	0.315	1.7895	
7200 minute winter	S36	11.000	S37	1.0	0.011	0.014	8.9726	
7200 minute winter	S37	1.011	S38	22.6	0.347	0.321	14.3197	
7200 minute winter	S38	1.012	S39	22.5	0.318	0.315	14.3287	
7200 minute winter	S39	1.013	S57	22.4	0.302	0.354	1.1814	
7200 minute winter	S56	12.011	S57	-0.5	-0.003	-0.007	2.0645	
7200 minute winter	S57	1.014	S127	22.4	0.304	0.316	4.4483	
7200 minute winter	S125	21.003	S127	-0.5	-0.017	-0.007	7.8151	
7200 minute winter	S127	1.015	S60	22.2	0.303	0.312	4.3871	
7200 minute winter	S119	22.003	S60	1.0	-0.022	0.014	7.8151	
7200 minute winter	S60	1.016	Pond Inlet 1	22.1	0.392	0.292	4.7280	
7200 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	11.7	0.008	0.000	3224.0981	
7200 minute winter	Pond Outlet	1.018	S13	5.9	0.083	0.082	0.4779	
7200 minute winter	S13	Pump	Final Outfall	5.9				1201.3
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 +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	3240	0.513	0.013	0.5	0.2037	0.0000	OK
7200 minute winter	PP-S12	3120	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	3360	0.510	0.010	0.3	0.2120	0.0000	OK
7200 minute winter	PP-S15	2940	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	3240	0.512	0.012	0.5	0.1774	0.0000	OK
7200 minute winter	PP-S30	3060	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	3540	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	3540	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 +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	6780	-0.037	0.201	0.3	0.3554	0.0000	OK
8640 minute summer	S25	6780	-0.037	0.207	0.3	0.5272	0.0000	OK
8640 minute summer	S16	6780	-0.037	0.230	2.4	1.0205	0.0000	OK
8640 minute summer	S145	6780	-0.037	0.278	4.6	1.1972	0.0000	OK
8640 minute summer	S4	6780	-0.037	0.206	0.4	0.3641	0.0000	OK
8640 minute summer	S5	6780	-0.037	0.247	1.1	0.4363	0.0000	OK
8640 minute summer	S9	6780	-0.037	0.259	0.4	0.5964	0.0000	OK
8640 minute summer	S10	6780	-0.037	0.284	0.5	0.5018	0.0000	OK
8640 minute summer	S11	6780	-0.037	0.289	1.4	0.5107	0.0000	OK
8640 minute summer	S12	6780	-0.037	0.298	1.5	0.5267	0.0000	OK
8640 minute summer	S1	6780	-0.037	0.227	1.5	0.5346	0.0000	OK
8640 minute summer	S3	6780	-0.037	0.270	2.5	0.8634	0.0000	OK
8640 minute summer	S2	6780	-0.037	0.299	2.7	0.5282	0.0000	OK
8640 minute summer	S14	6780	-0.037	0.272	0.2	0.4809	0.0000	OK
8640 minute summer	S15	6780	-0.037	0.309	5.9	1.3909	0.0000	OK
8640 minute summer	S75	6840	-0.037	0.325	10.6	0.8272	0.0000	OK
8640 minute summer	S87	6780	-0.037	0.249	1.0	0.8073	0.0000	OK
8640 minute summer	S88	6780	-0.037	0.271	2.0	0.8838	0.0000	OK
8640 minute summer	S89	6780	-0.037	0.293	2.9	0.9491	0.0000	OK
8640 minute summer	S90	6840	-0.037	0.315	3.9	1.0040	0.0000	OK
8640 minute summer	S92	6840	-0.037	0.342	15.1	0.8702	0.0000	OK
8640 minute summer	S81	6780	-0.037	0.265	1.0	0.8560	0.0000	OK
8640 minute summer	S82	6780	-0.037	0.287	2.0	0.9317	0.0000	OK
8640 minute summer	S83	6780	-0.037	0.308	2.9	0.9938	0.0000	OK
8640 minute summer	S84	6840	-0.037	0.330	3.9	1.0468	0.0000	OK
8640 minute summer	S86	6780	-0.037	0.356	18.9	0.9057	0.0000	OK
8640 minute summer	S76	6780	-0.037	0.280	1.0	0.9000	0.0000	OK
8640 minute summer	S77	6780	-0.037	0.302	2.0	0.9759	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	0.047	0.004	4.3578	
8640 minute summer	S25	2.000	S16	0.3	0.039	0.004	3.5383	
8640 minute summer	S16	1.001	S145	2.3	0.120	0.032	8.7289	
8640 minute summer	S145	1.002	S75	4.5	0.118	0.064	10.6716	
8640 minute summer	S4	3.000	S5	0.4	0.078	0.006	6.6102	
8640 minute summer	S5	3.001	S11	1.0	0.101	0.014	8.1335	
8640 minute summer	S9	4.000	S10	0.5	0.060	0.007	5.0841	
8640 minute summer	S10	4.001	S11	0.4	0.039	0.005	0.9261	
8640 minute summer	S11	3.002	S12	1.3	0.085	0.019	1.9863	
8640 minute summer	S12	3.003	S15	1.5	0.058	0.022	2.6446	
8640 minute summer	S1	5.000	S3	1.5	0.106	0.021	7.6521	
8640 minute summer	S3	5.001	S2	2.4	0.103	0.034	6.1179	
8640 minute summer	S2	5.002	S15	2.7	0.086	0.039	2.4565	
8640 minute summer	S14	6.000	S15	0.4	0.004	0.005	8.1022	
8640 minute summer	S15	3.004	S75	5.8	0.121	0.081	3.7397	
8640 minute summer	S75	1.003	S92	10.6	0.180	0.148	4.2425	
8640 minute summer	S87	7.000	S88	1.0	0.088	0.014	4.1145	
8640 minute summer	S88	7.001	S89	1.9	0.108	0.027	4.5328	
8640 minute summer	S89	7.002	S90	2.9	0.108	0.041	4.9412	
8640 minute summer	S90	7.003	S92	3.9	0.093	0.055	6.7594	
8640 minute summer	S92	1.005	S86	15.1	0.233	0.212	3.6693	
8640 minute summer	S81	8.000	S82	1.0	0.085	0.014	4.4212	
8640 minute summer	S82	8.001	S83	1.9	0.103	0.028	4.8213	
8640 minute summer	S83	8.002	S84	2.9	0.103	0.041	5.2098	
8640 minute summer	S84	8.003	S86	3.8	0.080	0.054	6.7009	
8640 minute summer	S86	1.006	S30	18.9	0.276	0.266	3.8167	
8640 minute summer	S76	9.000	S77	1.0	0.080	0.014	4.7005	
8640 minute summer	S77	9.001	S78	1.9	0.096	0.027	5.1014	

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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	6780	-0.037	0.324	2.9	1.0407	0.0000	OK
8640 minute summer	S79	6780	-0.037	0.345	3.9	1.0895	0.0000	OK
8640 minute summer	S30	6840	-0.037	0.370	22.9	0.9412	0.0000	OK
8640 minute summer	S31	6840	-0.037	0.299	1.1	0.9902	0.0000	OK
8640 minute summer	S32	6840	-0.037	0.342	1.9	1.0559	0.0000	OK
8640 minute summer	S33	6840	-0.037	0.386	25.0	0.9823	0.0000	OK
8640 minute summer	S34	6780	-0.037	0.402	25.5	0.7098	0.0000	OK
8640 minute summer	S35	6780	-0.037	0.429	25.5	0.7573	0.0000	OK
8640 minute summer	S36	6840	-0.035	0.407	1.7	0.7183	0.0000	OK
8640 minute summer	S37	6780	-0.037	0.434	27.6	2.1316	0.0000	OK
8640 minute summer	S38	6780	-0.035	0.481	27.5	0.8499	0.0000	SURCHARGED
8640 minute summer	S39	6780	-0.034	0.528	27.4	0.9325	0.0000	SURCHARGED
8640 minute summer	S56	6780	-0.034	0.525	0.8	0.9275	0.0000	SURCHARGED
8640 minute summer	S57	6780	-0.034	0.531	27.3	1.3503	0.0000	SURCHARGED
8640 minute summer	S125	6900	-0.035	0.520	0.9	0.9183	0.0000	SURCHARGED
8640 minute summer	S127	6780	-0.036	0.543	27.2	1.3811	0.0000	SURCHARGED
8640 minute summer	S119	6900	-0.037	0.532	1.0	0.9392	0.0000	SURCHARGED
8640 minute summer	S60	6780	-0.037	0.556	27.0	1.4149	0.0000	SURCHARGED
8640 minute summer	Pond Inlet 1	6900	-0.033	0.577	34.3	1.0197	0.0000	OK
8640 minute summer	Pond Outlet	6780	-0.039	0.571	18.4	0.6461	0.0000	SURCHARGED
8640 minute summer	S13	6780	-0.039	0.599	5.6	2.0760	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	4380	0.514	0.014	0.6	0.2022	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	4440	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)
8640 minute summer	S78	9.002	S79	2.9	0.103	0.041	5.4775	
8640 minute summer	S79	9.003	S30	3.8	0.072	0.053	6.5468	
8640 minute summer	S30	1.007	S33	22.8	0.324	0.321	4.5017	
8640 minute summer	S31	10.000	S32	1.0	0.087	0.015	10.4026	
8640 minute summer	S32	10.001	S33	1.9	0.042	0.026	11.8222	
8640 minute summer	S33	1.008	S34	24.9	0.343	0.353	4.7423	
8640 minute summer	S34	1.009	S35	25.4	0.337	0.358	8.1934	
8640 minute summer	S35	1.010	S37	25.5	0.331	0.384	1.7692	
8640 minute summer	S36	11.000	S37	-1.7	-0.047	-0.024	8.8418	
8640 minute summer	S37	1.011	S38	27.5	0.343	0.389	14.2473	
8640 minute summer	S38	1.012	S39	27.4	0.301	0.383	14.3287	
8640 minute summer	S39	1.013	S57	27.3	0.278	0.430	1.1814	
8640 minute summer	S56	12.011	S57	0.9	0.005	0.013	2.0645	
8640 minute summer	S57	1.014	S127	27.2	0.271	0.384	4.4483	
8640 minute summer	S125	21.003	S127	-0.9	-0.006	-0.013	7.8151	
8640 minute summer	S127	1.015	S60	27.0	0.261	0.379	4.3871	
8640 minute summer	S119	22.003	S60	-1.0	-0.006	-0.014	7.8151	
8640 minute summer	S60	1.016	Pond Inlet 1	26.8	0.361	0.355	4.7280	
8640 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	18.4	0.007	0.000	3150.0752	
8640 minute summer	Pond Outlet	1.018	S13	5.6	0.080	0.079	0.4779	
8640 minute summer	S13	Pump	Final Outfall	5.6				947.8
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	0.6	0.611	0.007	0.0049	
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	0.622	0.017	0.0088	

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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	4380	0.516	0.016	0.7	0.2748	0.0000	OK
8640 minute summer	PP-S12	4020	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	4320	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	4380	0.514	0.014	0.7	0.2394	0.0000	OK
8640 minute summer	PP-S30	3960	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	4380	0.512	0.012	0.6	0.2005	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	4200	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	0.7	0.585	0.009	0.0060	
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	0.7	0.733	0.007	0.0048	
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	0.6	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	0.4	0.693	0.003	0.0029	

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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	6360	-0.023	0.215	0.2	0.3798	0.0000	OK
8640 minute winter	S25	6360	-0.023	0.221	0.2	0.5623	0.0000	OK
8640 minute winter	S16	6240	-0.023	0.244	1.6	1.0816	0.0000	OK
8640 minute winter	S145	6300	-0.023	0.292	3.2	1.2584	0.0000	OK
8640 minute winter	S4	6360	-0.023	0.220	0.3	0.3887	0.0000	OK
8640 minute winter	S5	6300	-0.023	0.261	0.8	0.4614	0.0000	OK
8640 minute winter	S9	6300	-0.023	0.273	0.4	0.6294	0.0000	OK
8640 minute winter	S10	6360	-0.023	0.298	0.4	0.5268	0.0000	OK
8640 minute winter	S11	6360	-0.023	0.303	1.0	0.5356	0.0000	OK
8640 minute winter	S12	6360	-0.023	0.312	1.2	0.5513	0.0000	OK
8640 minute winter	S1	6300	-0.023	0.241	1.1	0.5676	0.0000	OK
8640 minute winter	S3	6300	-0.023	0.284	1.8	0.9081	0.0000	OK
8640 minute winter	S2	6360	-0.023	0.313	2.0	0.5533	0.0000	OK
8640 minute winter	S14	6300	-0.023	0.286	0.2	0.5052	0.0000	OK
8640 minute winter	S15	6360	-0.023	0.323	4.3	1.4535	0.0000	OK
8640 minute winter	S75	6300	-0.023	0.339	7.6	0.8627	0.0000	OK
8640 minute winter	S87	6300	-0.023	0.263	0.7	0.8530	0.0000	OK
8640 minute winter	S88	6360	-0.023	0.285	1.4	0.9291	0.0000	OK
8640 minute winter	S89	6360	-0.023	0.307	2.1	0.9953	0.0000	OK
8640 minute winter	S90	6360	-0.023	0.329	2.8	1.0479	0.0000	OK
8640 minute winter	S92	6360	-0.023	0.356	10.7	0.9059	0.0000	OK
8640 minute winter	S81	6300	-0.023	0.279	0.7	0.9009	0.0000	OK
8640 minute winter	S82	6360	-0.023	0.301	1.4	0.9773	0.0000	OK
8640 minute winter	S83	6360	-0.023	0.322	2.1	1.0392	0.0000	OK
8640 minute winter	S84	6360	-0.023	0.344	2.7	1.0911	0.0000	OK
8640 minute winter	S86	6360	-0.023	0.370	13.3	0.9413	0.0000	OK
8640 minute winter	S76	6300	-0.023	0.294	0.7	0.9449	0.0000	OK
8640 minute winter	S77	6360	-0.023	0.316	1.4	1.0213	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	4.7151	
8640 minute winter	S25	2.000	S16	0.2	0.043	0.003	3.8239	
8640 minute winter	S16	1.001	S145	1.6	0.123	0.022	9.3090	
8640 minute winter	S145	1.002	S75	3.1	0.120	0.045	11.2240	
8640 minute winter	S4	3.000	S5	0.3	0.078	0.004	7.1292	
8640 minute winter	S5	3.001	S11	0.7	0.101	0.010	8.6408	
8640 minute winter	S9	4.000	S10	0.4	0.060	0.006	5.3970	
8640 minute winter	S10	4.001	S11	0.3	0.037	0.004	0.9786	
8640 minute winter	S11	3.002	S12	1.0	0.084	0.014	2.0938	
8640 minute winter	S12	3.003	S15	1.2	0.055	0.017	2.7789	
8640 minute winter	S1	5.000	S3	1.1	0.106	0.015	8.1802	
8640 minute winter	S3	5.001	S2	1.7	0.105	0.025	6.4670	
8640 minute winter	S2	5.002	S15	2.0	0.087	0.029	2.5822	
8640 minute winter	S14	6.000	S15	0.2	-0.002	0.003	8.5399	
8640 minute winter	S15	3.004	S75	4.2	0.121	0.059	3.9155	
8640 minute winter	S75	1.003	S92	7.5	0.178	0.105	4.4237	
8640 minute winter	S87	7.000	S88	0.7	0.089	0.010	4.3814	
8640 minute winter	S88	7.001	S89	1.4	0.107	0.019	4.7956	
8640 minute winter	S89	7.002	S90	2.1	0.106	0.029	5.1947	
8640 minute winter	S90	7.003	S92	2.7	0.092	0.039	7.0545	
8640 minute winter	S92	1.005	S86	10.6	0.226	0.150	3.8113	
8640 minute winter	S81	8.000	S82	0.7	0.082	0.010	4.6835	
8640 minute winter	S82	8.001	S83	1.4	0.102	0.020	5.0769	
8640 minute winter	S83	8.002	S84	2.0	0.103	0.029	5.4536	
8640 minute winter	S84	8.003	S86	2.7	0.078	0.038	6.9699	
8640 minute winter	S86	1.006	S30	13.3	0.266	0.187	3.9499	
8640 minute winter	S76	9.000	S77	0.7	0.078	0.010	4.9576	
8640 minute winter	S77	9.001	S78	1.4	0.095	0.019	5.3503	

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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	6360	-0.023	0.338	2.1	1.0863	0.0000	OK
8640 minute winter	S79	6360	-0.023	0.359	2.7	1.1340	0.0000	OK
8640 minute winter	S30	6360	-0.023	0.384	16.1	0.9767	0.0000	OK
8640 minute winter	S31	6360	-0.023	0.313	0.8	1.0356	0.0000	OK
8640 minute winter	S32	6360	-0.023	0.356	1.5	1.0986	0.0000	OK
8640 minute winter	S33	6300	-0.023	0.400	17.7	1.0175	0.0000	OK
8640 minute winter	S34	6360	-0.023	0.416	18.0	0.7345	0.0000	OK
8640 minute winter	S35	6360	-0.023	0.443	18.1	0.7828	0.0000	OK
8640 minute winter	S36	6180	-0.023	0.419	1.3	0.7407	0.0000	OK
8640 minute winter	S37	6360	-0.023	0.448	19.6	2.2023	0.0000	OK
8640 minute winter	S38	6360	-0.023	0.493	19.5	0.8706	0.0000	SURCHARGED
8640 minute winter	S39	6300	-0.024	0.538	19.3	0.9512	0.0000	SURCHARGED
8640 minute winter	S56	6420	-0.024	0.535	0.9	0.9461	0.0000	SURCHARGED
8640 minute winter	S57	6300	-0.024	0.541	19.3	1.3768	0.0000	SURCHARGED
8640 minute winter	S125	6720	-0.023	0.532	0.6	0.9399	0.0000	SURCHARGED
8640 minute winter	S127	6360	-0.024	0.555	19.2	1.4127	0.0000	SURCHARGED
8640 minute winter	S119	6360	-0.024	0.545	0.5	0.9629	0.0000	SURCHARGED
8640 minute winter	S60	6360	-0.024	0.569	19.1	1.4488	0.0000	SURCHARGED
8640 minute winter	Pond Inlet 1	6900	-0.023	0.587	29.8	1.0379	0.0000	OK
8640 minute winter	Pond Outlet	6420	-0.025	0.585	20.4	0.6612	0.0000	SURCHARGED
8640 minute winter	S13	6420	-0.026	0.612	5.9	2.1207	0.0000	SURCHARGED
8640 minute winter	Final Outfall	60	-0.740	0.000	5.9	0.0000	0.0000	OK
8640 minute winter	PP-S26	3540	0.512	0.012	0.2	0.1403	0.0000	OK
8640 minute winter	PP-S25	3720	0.510	0.010	0.2	0.0943	0.0000	OK
8640 minute winter	PP-S16	3600	0.511	0.011	0.3	0.1261	0.0000	OK
8640 minute winter	PP-S145	3960	0.511	0.011	0.4	0.1411	0.0000	OK
8640 minute winter	PP-S4	3780	0.512	0.012	0.3	0.1429	0.0000	OK
8640 minute winter	PP-S1	4680	0.518	0.018	0.8	2.7964	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	5.7121	
8640 minute winter	S79	9.003	S30	2.7	0.072	0.038	6.7854	
8640 minute winter	S30	1.007	S33	16.1	0.308	0.226	4.6395	
8640 minute winter	S31	10.000	S32	0.8	0.083	0.011	10.8740	
8640 minute winter	S32	10.001	S33	1.4	0.044	0.019	12.2197	
8640 minute winter	S33	1.008	S34	17.6	0.327	0.250	4.8674	
8640 minute winter	S34	1.009	S35	18.0	0.320	0.253	8.3500	
8640 minute winter	S35	1.010	S37	18.0	0.314	0.271	1.7908	
8640 minute winter	S36	11.000	S37	-1.3	0.011	-0.018	8.9787	
8640 minute winter	S37	1.011	S38	19.5	0.332	0.276	14.3213	
8640 minute winter	S38	1.012	S39	19.3	0.301	0.271	14.3287	
8640 minute winter	S39	1.013	S57	19.3	0.287	0.304	1.1814	
8640 minute winter	S56	12.011	S57	-0.9	-0.006	-0.013	2.0645	
8640 minute winter	S57	1.014	S127	19.2	0.290	0.272	4.4483	
8640 minute winter	S125	21.003	S127	-0.6	-0.010	-0.009	7.8151	
8640 minute winter	S127	1.015	S60	19.1	0.287	0.268	4.3871	
8640 minute winter	S119	22.003	S60	0.6	-0.006	0.009	7.8151	
8640 minute winter	S60	1.016	Pond Inlet 1	19.0	0.375	0.251	4.7280	
8640 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	20.4	0.008	0.000	3230.2539	
8640 minute winter	Pond Outlet	1.018	S13	5.9	0.083	0.083	0.4779	
8640 minute winter	S13	Pump	Final Outfall	5.9				1361.9
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 +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	4260	0.513	0.013	0.5	0.2037	0.0000	OK
8640 minute winter	PP-S12	4020	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	4380	0.510	0.010	0.3	0.2120	0.0000	OK
8640 minute winter	PP-S15	3720	0.508	0.008	0.2	0.0668	0.0000	OK
8640 minute winter	PP-S75	3780	0.508	0.008	0.2	0.0739	0.0000	OK
8640 minute winter	PP-S24	4260	0.512	0.012	0.5	0.1774	0.0000	OK
8640 minute winter	PP-S30	3900	0.507	0.007	0.2	0.0702	0.0000	OK
8640 minute winter	PP-S33	3600	0.507	0.007	0.2	0.0576	0.0000	OK
8640 minute winter	PP-S34	3960	0.510	0.010	0.4	0.1423	0.0000	OK
8640 minute winter	PP-S35	3840	0.505	0.005	0.1	0.0345	0.0000	OK
8640 minute winter	PP-S36	3780	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	0.3	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	0.4	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 +40% CC 10080 minute summer. 11520 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
10080 minute summer	S26	7380	-0.036	0.202	0.3	0.3568	0.0000	OK
10080 minute summer	S25	7380	-0.036	0.208	0.2	0.5293	0.0000	OK
10080 minute summer	S16	7380	-0.036	0.231	2.0	1.0241	0.0000	OK
10080 minute summer	S145	7380	-0.036	0.279	3.9	1.2010	0.0000	OK
10080 minute summer	S4	7380	-0.036	0.207	0.4	0.3655	0.0000	OK
10080 minute summer	S5	7380	-0.036	0.248	1.0	0.4380	0.0000	OK
10080 minute summer	S9	7380	-0.036	0.260	0.3	0.5990	0.0000	OK
10080 minute summer	S10	7380	-0.036	0.285	0.6	0.5030	0.0000	OK
10080 minute summer	S11	7380	-0.036	0.290	1.2	0.5118	0.0000	OK
10080 minute summer	S12	7380	-0.036	0.299	1.4	0.5279	0.0000	OK
10080 minute summer	S1	7380	-0.036	0.228	1.3	0.5366	0.0000	OK
10080 minute summer	S3	7380	-0.036	0.271	2.1	0.8661	0.0000	OK
10080 minute summer	S2	7380	-0.036	0.300	2.4	0.5302	0.0000	OK
10080 minute summer	S14	7380	-0.036	0.273	0.4	0.4823	0.0000	OK
10080 minute summer	S15	7380	-0.036	0.310	5.1	1.3949	0.0000	OK
10080 minute summer	S75	7380	-0.036	0.326	9.1	0.8292	0.0000	OK
10080 minute summer	S87	7380	-0.036	0.250	0.9	0.8121	0.0000	OK
10080 minute summer	S88	7380	-0.036	0.272	1.8	0.8856	0.0000	OK
10080 minute summer	S89	7380	-0.036	0.294	2.6	0.9516	0.0000	OK
10080 minute summer	S90	7380	-0.036	0.316	3.5	1.0066	0.0000	OK
10080 minute summer	S92	7380	-0.036	0.343	13.1	0.8724	0.0000	OK
10080 minute summer	S81	7380	-0.037	0.265	0.9	0.8573	0.0000	OK
10080 minute summer	S82	7380	-0.036	0.288	1.8	0.9352	0.0000	OK
10080 minute summer	S83	7380	-0.036	0.309	2.6	0.9976	0.0000	OK
10080 minute summer	S84	7380	-0.036	0.331	3.5	1.0486	0.0000	OK
10080 minute summer	S86	7380	-0.036	0.357	16.5	0.9077	0.0000	OK
10080 minute summer	S76	7380	-0.036	0.281	0.9	0.9027	0.0000	OK
10080 minute summer	S77	7380	-0.036	0.303	1.8	0.9791	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	4.3788	
10080 minute summer	S25	2.000	S16	0.2	0.040	0.003	3.5554	
10080 minute summer	S16	1.001	S145	1.9	0.123	0.027	8.7639	
10080 minute summer	S145	1.002	S75	3.9	0.118	0.055	10.7060	
10080 minute summer	S4	3.000	S5	0.4	0.078	0.006	6.6429	
10080 minute summer	S5	3.001	S11	1.0	0.101	0.013	8.1626	
10080 minute summer	S9	4.000	S10	0.6	0.060	0.009	5.1039	
10080 minute summer	S10	4.001	S11	0.4	0.039	0.005	0.9285	
10080 minute summer	S11	3.002	S12	1.2	0.085	0.017	1.9913	
10080 minute summer	S12	3.003	S15	1.4	0.058	0.020	2.6522	
10080 minute summer	S1	5.000	S3	1.2	0.105	0.018	7.6844	
10080 minute summer	S3	5.001	S2	2.1	0.103	0.030	6.1426	
10080 minute summer	S2	5.002	S15	2.4	0.087	0.035	2.4656	
10080 minute summer	S14	6.000	S15	-0.4	-0.004	-0.006	8.1290	
10080 minute summer	S15	3.004	S75	5.0	0.121	0.070	3.7509	
10080 minute summer	S75	1.003	S92	9.1	0.177	0.127	4.2533	
10080 minute summer	S87	7.000	S88	0.9	0.089	0.012	4.1341	
10080 minute summer	S88	7.001	S89	1.7	0.107	0.024	4.5454	
10080 minute summer	S89	7.002	S90	2.6	0.108	0.037	4.9571	
10080 minute summer	S90	7.003	S92	3.5	0.098	0.049	6.7774	
10080 minute summer	S92	1.005	S86	13.0	0.227	0.183	3.6781	
10080 minute summer	S81	8.000	S82	0.9	0.082	0.012	4.4354	
10080 minute summer	S82	8.001	S83	1.7	0.103	0.025	4.8422	
10080 minute summer	S83	8.002	S84	2.6	0.103	0.036	5.2256	
10080 minute summer	S84	8.003	S86	3.5	0.084	0.049	6.7149	
10080 minute summer	S86	1.006	S30	16.4	0.266	0.231	3.8256	
10080 minute summer	S76	9.000	S77	0.9	0.078	0.012	4.7176	
10080 minute summer	S77	9.001	S78	1.7	0.096	0.024	5.1216	

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Results for 100 year +40% CC 10080 minute summer. 11520 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
10080 minute summer	S78	7380	-0.036	0.325	2.6	1.0448	0.0000	OK
10080 minute summer	S79	7380	-0.036	0.346	3.5	1.0923	0.0000	OK
10080 minute summer	S30	7380	-0.036	0.371	20.1	0.9437	0.0000	OK
10080 minute summer	S31	7380	-0.036	0.300	0.9	0.9929	0.0000	OK
10080 minute summer	S32	7380	-0.036	0.343	1.7	1.0585	0.0000	OK
10080 minute summer	S33	7380	-0.036	0.387	21.9	0.9844	0.0000	OK
10080 minute summer	S34	7380	-0.036	0.403	22.3	0.7120	0.0000	OK
10080 minute summer	S35	7380	-0.037	0.429	22.3	0.7589	0.0000	OK
10080 minute summer	S36	7380	-0.037	0.405	1.4	0.7153	0.0000	OK
10080 minute summer	S37	7380	-0.036	0.435	24.2	2.1361	0.0000	OK
10080 minute summer	S38	7380	-0.033	0.483	24.1	0.8530	0.0000	SURCHARGED
10080 minute summer	S39	7380	-0.033	0.529	24.0	0.9348	0.0000	SURCHARGED
10080 minute summer	S56	7380	-0.033	0.526	0.8	0.9294	0.0000	SURCHARGED
10080 minute summer	S57	7380	-0.033	0.532	23.9	1.3538	0.0000	SURCHARGED
10080 minute summer	S125	7200	-0.036	0.519	0.8	0.9163	0.0000	SURCHARGED
10080 minute summer	S127	7380	-0.034	0.545	23.8	1.3870	0.0000	SURCHARGED
10080 minute summer	S119	7200	-0.035	0.534	1.0	0.9433	0.0000	SURCHARGED
10080 minute summer	S60	7380	-0.036	0.557	23.7	1.4166	0.0000	SURCHARGED
10080 minute summer	Pond Inlet 1	7380	-0.032	0.578	33.4	1.0220	0.0000	OK
10080 minute summer	Pond Outlet	7380	-0.038	0.572	23.7	0.6465	0.0000	SURCHARGED
10080 minute summer	S13	7380	-0.039	0.599	5.6	2.0759	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	4620	0.510	0.010	0.2	0.0943	0.0000	OK
10080 minute summer	PP-S16	4920	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	5040	0.514	0.014	0.4	0.1852	0.0000	OK
10080 minute summer	PP-S1	5100	0.519	0.019	1.0	3.3782	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	2.6	0.103	0.037	5.4959	
10080 minute summer	S79	9.003	S30	3.4	0.076	0.048	6.5637	
10080 minute summer	S30	1.007	S33	20.0	0.311	0.281	4.5110	
10080 minute summer	S31	10.000	S32	0.9	0.084	0.012	10.4311	
10080 minute summer	S32	10.001	S33	1.6	0.043	0.022	11.8468	
10080 minute summer	S33	1.008	S34	21.8	0.328	0.309	4.7527	
10080 minute summer	S34	1.009	S35	22.2	0.322	0.313	8.2076	
10080 minute summer	S35	1.010	S37	22.3	0.314	0.335	1.7710	
10080 minute summer	S36	11.000	S37	-1.4	-0.043	-0.020	8.8348	
10080 minute summer	S37	1.011	S38	24.1	0.322	0.341	14.2548	
10080 minute summer	S38	1.012	S39	24.0	0.278	0.335	14.3287	
10080 minute summer	S39	1.013	S57	23.9	0.258	0.377	1.1814	
10080 minute summer	S56	12.011	S57	-0.8	-0.005	-0.012	2.0645	
10080 minute summer	S57	1.014	S127	23.8	0.251	0.337	4.4483	
10080 minute summer	S125	21.003	S127	-0.8	-0.005	-0.011	7.8151	
10080 minute summer	S127	1.015	S60	23.7	0.238	0.332	4.3871	
10080 minute summer	S119	22.003	S60	-1.0	-0.007	-0.015	7.8151	
10080 minute summer	S60	1.016	Pond Inlet 1	23.5	0.334	0.311	4.7280	
10080 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	23.7	0.007	0.000	3152.5139	
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				1174.1
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	1.0	0.601	0.015	0.0081	

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Results for 100 year +40% CC 10080 minute summer. 11520 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
10080 minute summer	PP-S5	5100	0.515	0.015	0.6	0.2410	0.0000	OK
10080 minute summer	PP-S12	4800	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	4980	0.510	0.010	0.3	0.2120	0.0000	OK
10080 minute summer	PP-S15	4620	0.508	0.008	0.2	0.0668	0.0000	OK
10080 minute summer	PP-S75	4680	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	4740	0.507	0.007	0.2	0.0702	0.0000	OK
10080 minute summer	PP-S33	5100	0.509	0.009	0.3	0.0814	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	0.3	0.621	0.003	0.0024	
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 +40% CC 10080 minute winter. 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 winter	S26	7260	-0.022	0.216	0.2	0.3817	0.0000	OK
10080 minute winter	S25	7260	-0.022	0.222	0.2	0.5647	0.0000	OK
10080 minute winter	S16	7260	-0.022	0.245	1.5	1.0861	0.0000	OK
10080 minute winter	S145	7260	-0.022	0.293	2.9	1.2618	0.0000	OK
10080 minute winter	S4	7260	-0.022	0.221	0.3	0.3909	0.0000	OK
10080 minute winter	S5	7260	-0.022	0.262	0.7	0.4631	0.0000	OK
10080 minute winter	S9	7140	-0.022	0.274	0.6	0.6311	0.0000	OK
10080 minute winter	S10	7260	-0.022	0.299	0.6	0.5284	0.0000	OK
10080 minute winter	S11	7260	-0.022	0.304	0.9	0.5373	0.0000	OK
10080 minute winter	S12	7260	-0.022	0.313	0.9	0.5531	0.0000	OK
10080 minute winter	S1	7260	-0.022	0.242	0.9	0.5698	0.0000	OK
10080 minute winter	S3	7260	-0.022	0.285	1.5	0.9120	0.0000	OK
10080 minute winter	S2	7260	-0.022	0.314	1.7	0.5554	0.0000	OK
10080 minute winter	S14	7260	-0.022	0.287	0.3	0.5070	0.0000	OK
10080 minute winter	S15	7260	-0.022	0.324	3.6	1.4584	0.0000	OK
10080 minute winter	S75	7260	-0.022	0.340	6.6	0.8656	0.0000	OK
10080 minute winter	S87	7260	-0.022	0.264	0.6	0.8561	0.0000	OK
10080 minute winter	S88	7260	-0.022	0.286	1.2	0.9328	0.0000	OK
10080 minute winter	S89	7260	-0.022	0.308	1.8	0.9983	0.0000	OK
10080 minute winter	S90	7260	-0.022	0.330	2.4	1.0507	0.0000	OK
10080 minute winter	S92	7260	-0.022	0.357	9.2	0.9091	0.0000	OK
10080 minute winter	S81	7260	-0.022	0.280	0.6	0.9035	0.0000	OK
10080 minute winter	S82	7260	-0.022	0.302	1.2	0.9801	0.0000	OK
10080 minute winter	S83	7260	-0.022	0.323	1.8	1.0428	0.0000	OK
10080 minute winter	S84	7260	-0.022	0.345	2.4	1.0952	0.0000	OK
10080 minute winter	S86	7260	-0.022	0.371	11.4	0.9444	0.0000	OK
10080 minute winter	S76	7320	-0.022	0.295	0.6	0.9479	0.0000	OK
10080 minute winter	S77	7200	-0.022	0.317	1.2	1.0245	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	4.7434	
10080 minute winter	S25	2.000	S16	0.2	0.040	0.003	3.8447	
10080 minute winter	S16	1.001	S145	1.5	0.122	0.021	9.3493	
10080 minute winter	S145	1.002	S75	2.9	0.119	0.040	11.2606	
10080 minute winter	S4	3.000	S5	0.3	0.078	0.004	7.1704	
10080 minute winter	S5	3.001	S11	0.7	0.101	0.010	8.6782	
10080 minute winter	S9	4.000	S10	0.6	0.060	0.009	5.4166	
10080 minute winter	S10	4.001	S11	-0.4	0.037	-0.005	0.9820	
10080 minute winter	S11	3.002	S12	0.8	0.085	0.012	2.1012	
10080 minute winter	S12	3.003	S15	0.9	0.055	0.014	2.7889	
10080 minute winter	S1	5.000	S3	0.9	0.105	0.012	8.2203	
10080 minute winter	S3	5.001	S2	1.5	0.104	0.020	6.4975	
10080 minute winter	S2	5.002	S15	1.6	0.087	0.024	2.5925	
10080 minute winter	S14	6.000	S15	-0.3	-0.003	-0.004	8.5737	
10080 minute winter	S15	3.004	S75	3.5	0.122	0.049	3.9296	
10080 minute winter	S75	1.003	S92	6.5	0.176	0.091	4.4386	
10080 minute winter	S87	7.000	S88	0.6	0.088	0.009	4.4014	
10080 minute winter	S88	7.001	S89	1.2	0.107	0.017	4.8145	
10080 minute winter	S89	7.002	S90	1.8	0.109	0.025	5.2108	
10080 minute winter	S90	7.003	S92	2.3	0.089	0.033	7.0763	
10080 minute winter	S92	1.005	S86	9.1	0.218	0.128	3.8235	
10080 minute winter	S81	8.000	S82	0.6	0.084	0.008	4.6994	
10080 minute winter	S82	8.001	S83	1.2	0.102	0.017	5.0948	
10080 minute winter	S83	8.002	S84	1.8	0.103	0.025	5.4741	
10080 minute winter	S84	8.003	S86	2.3	0.076	0.033	6.9936	
10080 minute winter	S86	1.006	S30	11.4	0.254	0.160	3.9621	
10080 minute winter	S76	9.000	S77	0.6	0.080	0.008	4.9753	
10080 minute winter	S77	9.001	S78	1.2	0.094	0.016	5.3678	

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Results for 100 year +40% CC 10080 minute winter. 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 winter	S78	7260	-0.022	0.339	1.8	1.0896	0.0000	OK
10080 minute winter	S79	7260	-0.022	0.360	2.3	1.1377	0.0000	OK
10080 minute winter	S30	7260	-0.022	0.385	13.8	0.9803	0.0000	OK
10080 minute winter	S31	7200	-0.022	0.314	0.7	1.0392	0.0000	OK
10080 minute winter	S32	7200	-0.022	0.357	1.3	1.1018	0.0000	OK
10080 minute winter	S33	7260	-0.022	0.401	15.2	1.0205	0.0000	OK
10080 minute winter	S34	7260	-0.022	0.417	15.4	0.7360	0.0000	OK
10080 minute winter	S35	7260	-0.022	0.444	15.5	0.7837	0.0000	OK
10080 minute winter	S36	7320	-0.023	0.419	1.0	0.7410	0.0000	OK
10080 minute winter	S37	7260	-0.022	0.449	16.8	2.2048	0.0000	OK
10080 minute winter	S38	7680	-0.020	0.496	16.7	0.8766	0.0000	SURCHARGED
10080 minute winter	S39	7680	-0.018	0.544	16.6	0.9620	0.0000	SURCHARGED
10080 minute winter	S56	7680	-0.016	0.543	0.8	0.9592	0.0000	SURCHARGED
10080 minute winter	S57	7680	-0.018	0.547	16.6	1.3929	0.0000	SURCHARGED
10080 minute winter	S125	7260	-0.022	0.533	0.8	0.9419	0.0000	SURCHARGED
10080 minute winter	S127	7260	-0.022	0.557	16.5	1.4167	0.0000	SURCHARGED
10080 minute winter	S119	7140	-0.023	0.546	1.3	0.9648	0.0000	SURCHARGED
10080 minute winter	S60	7200	-0.024	0.569	16.4	1.4494	0.0000	SURCHARGED
10080 minute winter	Pond Inlet 1	7080	-0.018	0.592	34.8	1.0460	0.0000	OK
10080 minute winter	Pond Outlet	7320	-0.024	0.586	17.0	0.6623	0.0000	SURCHARGED
10080 minute winter	S13	7320	-0.025	0.613	5.9	2.1242	0.0000	SURCHARGED
10080 minute winter	Final Outfall	60	-0.740	0.000	5.9	0.0000	0.0000	OK
10080 minute winter	PP-S26	4380	0.512	0.012	0.2	0.1403	0.0000	OK
10080 minute winter	PP-S25	4620	0.510	0.010	0.2	0.0943	0.0000	OK
10080 minute winter	PP-S16	4440	0.511	0.011	0.3	0.1261	0.0000	OK
10080 minute winter	PP-S145	5100	0.511	0.011	0.4	0.1411	0.0000	OK
10080 minute winter	PP-S4	4680	0.512	0.012	0.3	0.1429	0.0000	OK
10080 minute winter	PP-S1	5400	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	0.098	0.025	5.7298	
10080 minute winter	S79	9.003	S30	2.3	0.069	0.032	6.8066	
10080 minute winter	S30	1.007	S33	13.8	0.297	0.194	4.6522	
10080 minute winter	S31	10.000	S32	0.7	0.087	0.009	10.9093	
10080 minute winter	S32	10.001	S33	1.2	0.038	0.017	12.2520	
10080 minute winter	S33	1.008	S34	15.1	0.313	0.215	4.8761	
10080 minute winter	S34	1.009	S35	15.4	0.308	0.217	8.3567	
10080 minute winter	S35	1.010	S37	15.5	0.300	0.233	1.7912	
10080 minute winter	S36	11.000	S37	1.2	0.011	0.017	8.9807	
10080 minute winter	S37	1.011	S38	16.7	0.317	0.237	14.3218	
10080 minute winter	S38	1.012	S39	16.6	0.287	0.233	14.3287	
10080 minute winter	S39	1.013	S57	16.6	0.275	0.261	1.1814	
10080 minute winter	S56	12.011	S57	-0.8	-0.008	-0.012	2.0645	
10080 minute winter	S57	1.014	S127	16.5	0.273	0.233	4.4483	
10080 minute winter	S125	21.003	S127	0.9	-0.009	0.013	7.8151	
10080 minute winter	S127	1.015	S60	16.4	0.266	0.230	4.3871	
10080 minute winter	S119	22.003	S60	-1.3	-0.008	-0.018	7.8151	
10080 minute winter	S60	1.016	Pond Inlet 1	16.3	0.370	0.215	4.7280	
10080 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	-21.1	0.007	0.000	3236.4929	
10080 minute winter	Pond Outlet	1.018	S13	5.9	0.084	0.083	0.4779	
10080 minute winter	S13	Pump	Final Outfall	5.9				1524.1
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	0.7	0.542	0.011	0.0065	

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Results for 100 year +40% CC 10080 minute winter. 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 winter	PP-S5	4500	0.512	0.012	0.4	0.1671	0.0000	OK
10080 minute winter	PP-S12	5100	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	4140	0.508	0.008	0.2	0.1482	0.0000	OK
10080 minute winter	PP-S15	4620	0.508	0.008	0.2	0.0668	0.0000	OK
10080 minute winter	PP-S75	4740	0.508	0.008	0.2	0.0739	0.0000	OK
10080 minute winter	PP-S24	4500	0.510	0.010	0.4	0.1471	0.0000	OK
10080 minute winter	PP-S30	4920	0.507	0.007	0.2	0.0702	0.0000	OK
10080 minute winter	PP-S33	4440	0.507	0.007	0.2	0.0576	0.0000	OK
10080 minute winter	PP-S34	5100	0.510	0.010	0.4	0.1423	0.0000	OK
10080 minute winter	PP-S35	4800	0.505	0.005	0.1	0.0345	0.0000	OK
10080 minute winter	PP-S36	4680	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	0.2	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	0.4	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	0.4	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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