

Design Settings

Rainfall Methodology	FSR	Maximum Time of Concentration (mins)	30.00
Return Period (years)	100	Maximum Rainfall (mm/hr)	50.0
Additional Flow (%)	40	Minimum Velocity (m/s)	1.00
FSR Region	England and Wales	Connection Type	Level Inverts
M5-60 (mm)	20.000	Minimum Backdrop Height (m)	0.200
Ratio-R	0.400	Preferred Cover Depth (m)	0.500
CV	1.000	Include Intermediate Ground	x
Time of Entry (mins)	1.00	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 Default Sewer Type Link Type

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

Available Diameters (mm)

100 | 150

Nodes

Name	Area (ha)	T of E (mins)	Cover Level (m)	Diameter (mm)	Easting (m)	Northing (m)	Depth (m)
1	0.010		8.800		0.000	0.000	0.500
2	0.005	1.00	8.800	450	14.167	-6.560	0.592
3	0.005	1.00	8.800		14.768	-7.431	0.400
4	0.006	1.00	8.830	450	18.215	1.931	0.622
5	0.005	1.00	8.830		18.780	1.032	0.430
6			9.030	1200	20.929	11.890	0.930
7	0.007	1.00	9.030		19.526	11.613	0.830
8	0.006	1.00	8.900	450	23.810	5.400	0.500
9	0.006	1.00	8.900		32.372	5.146	0.400
11	0.005	1.00	9.040		12.050	13.758	0.740
12			9.040	450	12.801	15.923	0.840
13	0.015	1.00	9.040		13.162	18.059	0.940
14	0.002	1.00	9.030	450	15.789	21.684	0.930
15	0.002	1.00	9.030		20.599	21.300	0.930
16			9.030	1200	18.244	22.116	1.030
17	0.003	1.00	9.020		25.617	22.256	0.420
18	0.001	1.00	9.300	450	23.053	22.170	0.798
19			9.200	450	17.969	27.287	1.300
20	0.003	1.00	9.200		16.216	28.412	1.200
21	0.003	1.00	9.100		33.734	19.072	0.400
22	0.003	1.00	9.200	450	35.326	34.246	0.600
23	0.003	1.00	9.300	450	25.784	35.140	0.800

Nodes

Name	Area (ha)	T of E (mins)	Cover Level (m)	Diameter (mm)	Easting (m)	Northing (m)	Depth (m)
24			9.300		23.188	34.318	1.690
25			9.300		19.048	38.364	1.690
26		1.00	9.300		18.491	38.407	1.700
27			9.250	1200	17.105	41.764	1.675
28			9.300		18.030	28.397	1.690
29	0.005	1.00	9.200	450	27.525	42.063	0.600
30	0.005	1.00	9.100		27.328	64.730	0.400
33			9.180	450	17.656	58.214	1.764
34			8.900	1200	18.117	70.594	1.700
35	0.005	1.00	9.040		4.731	17.406	0.740
36	0.005	1.00	9.100		19.176	43.515	0.550
37	0.008	1.00	9.200	450	19.530	57.697	0.550
38	0.005	1.00	9.100		19.897	64.953	0.350

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	2	1	15.613	0.600	8.400	8.300	0.100	156.1	100	1.39	50.0
1.001	3	2	1.057	0.600	8.400	8.300	0.100	10.6	100	1.00	50.0
1.002	4	2	6.150	0.600	8.300	8.208	0.092	66.8	100	1.09	50.0
1.003	5	4	1.062	0.600	8.400	8.208	0.192	5.5	100	1.01	50.0
1.004	7	6	1.430	0.600	8.200	8.100	0.100	14.3	100	1.02	50.0
1.005	8	6	7.547	0.600	8.400	8.100	0.300	25.2	150	1.14	50.0
1.006	9	8	8.566	0.600	8.500	8.400	0.100	85.7	150	1.26	50.0
1.008	12	16	2.166	0.600	8.200	8.000	0.200	10.8	150	1.05	50.0
1.009	13	16	4.477	0.600	8.100	8.000	0.100	44.8	150	1.10	50.0
1.010	14	16	2.493	0.600	8.100	8.000	0.100	24.9	150	1.12	50.0
1.011	16	19	7.374	0.600	8.000	7.900	0.100	73.7	150	1.21	50.0
1.012	18	19	7.213	0.600	8.502	7.900	0.602	12.0	150	1.08	50.0
1.013	11	12	2.292	0.600	8.300	8.200	0.100	22.9	100	1.02	50.0
1.014	33	34	12.389	0.600	7.416	7.200	0.216	57.4	150	1.51	50.0
1.015	27	33	16.459	0.600	7.575	7.416	0.159	103.5	150	1.35	50.0

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	0.613	4.8	5.3	0.300	0.400	0.021	0.0	100	0.629
1.001	2.390	18.8	1.3	0.300	0.400	0.005	0.0	18	1.355
1.002	0.943	7.4	2.8	0.430	0.492	0.011	0.0	43	0.877
1.003	3.309	26.0	1.3	0.330	0.522	0.005	0.0	15	1.717
1.004	2.053	16.1	1.8	0.730	0.830	0.007	0.0	22	1.343
1.005	2.015	35.6	3.0	0.350	0.780	0.012	0.0	30	1.235
1.006	1.086	19.2	1.5	0.250	0.350	0.006	0.0	28	0.648
1.008	3.079	54.4	2.5	0.690	0.880	0.010	0.0	22	1.575
1.009	1.508	26.6	3.8	0.790	0.880	0.015	0.0	38	1.075
1.010	2.025	35.8	0.5	0.780	0.880	0.002	0.0	13	0.720
1.011	1.172	20.7	12.1	0.880	1.150	0.048	0.0	82	1.216
1.012	2.926	51.7	1.0	0.648	1.150	0.004	0.0	14	1.138
1.013	1.619	12.7	1.3	0.640	0.740	0.005	0.0	21	1.036
1.014	1.331	23.5	0.0	1.614	1.550	0.000	0.0	0	0.000
1.015	0.987	17.4	0.0	1.525	1.614	0.000	0.0	0	0.000

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)
1.016	26	27	3.632	0.600	7.600	7.575	0.025	145.3	150	1.07	50.0
1.018	23	24	2.723	0.600	8.500	8.460	0.040	68.1	225	1.61	50.0
1.019	22	23	9.584	0.600	8.600	8.500	0.100	95.8	150	1.57	50.0
1.020	29	23	7.139	0.600	8.600	8.500	0.100	71.4	150	1.50	50.0
1.021	30	29	22.668	0.600	8.700	8.600	0.100	226.7	100	1.38	50.0
1.022	21	22	15.257	0.600	8.700	8.600	0.100	152.6	100	1.41	50.0
1.023	19	28	1.112	0.600	7.900	7.800	0.100	11.1	150	1.09	50.0
1.024	20	19	2.083	0.600	8.000	7.900	0.100	20.8	100	1.02	50.0
1.025	17	18	2.565	0.600	8.600	8.502	0.098	26.2	100	1.03	50.0
1.026	15	16	2.492	0.600	8.100	8.000	0.100	24.9	100	1.03	50.0
1.027	35	12	8.205	0.600	8.300	8.200	0.100	82.1	100	1.16	50.0
1.028	6	16	10.573	0.600	8.100	8.000	0.100	105.7	100	1.32	50.0
1.029	4	6	10.322	0.600	8.208	8.100	0.108	95.6	100	1.22	50.0
1.030	9	8	8.566	0.600	8.500	8.400	0.100	85.7	100	1.17	50.0
1.031	36	25	5.153	0.600	8.550	8.460	0.090	57.3	150	1.57	50.0
1.032	38	37	7.265	0.600	8.750	8.650	0.100	72.7	100	1.13	50.0
1.033	37	36	14.186	0.600	8.650	8.550	0.100	141.9	100	1.50	50.0

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)
1.016	0.831	14.7	0.0	1.550	1.525	0.000	0.0	0	0.000
1.018	1.587	63.1	4.8	0.575	0.615	0.019	0.0	42	0.943
1.019	1.026	18.1	1.5	0.450	0.650	0.006	0.0	30	0.627
1.020	1.191	21.1	2.5	0.450	0.650	0.010	0.0	35	0.803
1.021	0.507	4.0	1.3	0.300	0.500	0.005	0.0	39	0.449
1.022	0.620	4.9	0.8	0.300	0.500	0.003	0.0	27	0.451
1.023	3.038	53.7	13.9	1.150	1.350	0.055	0.0	52	2.554
1.024	1.699	13.3	0.8	1.100	1.200	0.003	0.0	16	0.907
1.025	1.514	11.9	0.8	0.320	0.698	0.003	0.0	17	0.832
1.026	1.552	12.2	0.5	0.830	0.930	0.002	0.0	14	0.748
1.027	0.850	6.7	1.3	0.640	0.740	0.005	0.0	29	0.650
1.028	0.747	5.9	4.8	0.830	0.930	0.019	0.0	69	0.834
1.029	0.787	6.2	0.0	0.522	0.830	0.000	0.0	0	0.000
1.030	0.832	6.5	0.0	0.300	0.400	0.000	0.0	0	0.000
1.031	1.332	23.5	4.6	0.400	0.690	0.018	0.0	45	1.035
1.032	0.904	7.1	1.3	0.250	0.450	0.005	0.0	29	0.681
1.033	0.643	5.1	3.3	0.450	0.450	0.013	0.0	59	0.686

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	15.613	156.1	100	Circular_Default Sewer Type	8.800	8.400	0.300	8.800	8.300	0.400
1.001	1.057	10.6	100	Circular_Default Sewer Type	8.800	8.400	0.300	8.800	8.300	0.400
1.002	6.150	66.8	100	Circular_Default Sewer Type	8.830	8.300	0.430	8.800	8.208	0.492
1.003	1.062	5.5	100	Circular_Default Sewer Type	8.830	8.400	0.330	8.830	8.208	0.522
1.004	1.430	14.3	100	Circular_Default Sewer Type	9.030	8.200	0.730	9.030	8.100	0.830
1.005	7.547	25.2	150	Circular_Default Sewer Type	8.900	8.400	0.350	9.030	8.100	0.780
1.006	8.566	85.7	150	Circular_Default Sewer Type	8.900	8.500	0.250	8.900	8.400	0.350
1.008	2.166	10.8	150	Circular_Default Sewer Type	9.040	8.200	0.690	9.030	8.000	0.880
1.009	4.477	44.8	150	Circular_Default Sewer Type	9.040	8.100	0.790	9.030	8.000	0.880
1.010	2.493	24.9	150	Circular_Default Sewer Type	9.030	8.100	0.780	9.030	8.000	0.880
1.011	7.374	73.7	150	Circular_Default Sewer Type	9.030	8.000	0.880	9.200	7.900	1.150
1.012	7.213	12.0	150	Circular_Default Sewer Type	9.300	8.502	0.648	9.200	7.900	1.150
1.013	2.292	22.9	100	Circular_Default Sewer Type	9.040	8.300	0.640	9.040	8.200	0.740
1.014	12.389	57.4	150	Circular_Default Sewer Type	9.180	7.416	1.614	8.900	7.200	1.550
1.015	16.459	103.5	150	Circular_Default Sewer Type	9.250	7.575	1.525	9.180	7.416	1.614
1.016	3.632	145.3	150	Circular_Default Sewer Type	9.300	7.600	1.550	9.250	7.575	1.525
1.018	2.723	68.1	225	Circular_Default Sewer Type	9.300	8.500	0.575	9.300	8.460	0.615
1.019	9.584	95.8	150	Circular_Default Sewer Type	9.200	8.600	0.450	9.300	8.500	0.650
1.020	7.139	71.4	150	Circular_Default Sewer Type	9.200	8.600	0.450	9.300	8.500	0.650
1.021	22.668	226.7	100	Circular_Default Sewer Type	9.100	8.700	0.300	9.200	8.600	0.500
1.022	15.257	152.6	100	Circular_Default Sewer Type	9.100	8.700	0.300	9.200	8.600	0.500
1.023	1.112	11.1	150	Circular_Default Sewer Type	9.200	7.900	1.150	9.300	7.800	1.350
1.024	2.083	20.8	100	Circular_Default Sewer Type	9.200	8.000	1.100	9.200	7.900	1.200
1.025	2.565	26.2	100	Circular_Default Sewer Type	9.020	8.600	0.320	9.300	8.502	0.698
1.026	2.492	24.9	100	Circular_Default Sewer Type	9.030	8.100	0.830	9.030	8.000	0.930

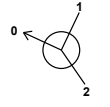
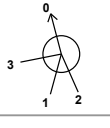
Link	US Node	Dia (mm)	Node Type	MH Type	DS Node	Dia (mm)	Node Type	MH Type
1.000	2	450	Manhole	Adoptable	1		Junction	
1.001	3		Junction		2	450	Manhole	Adoptable
1.002	4	450	Manhole	Adoptable	2	450	Manhole	Adoptable
1.003	5		Junction		4	450	Manhole	Adoptable
1.004	7		Junction		6	1200	Manhole	Adoptable
1.005	8	450	Manhole	Adoptable	6	1200	Manhole	Adoptable
1.006	9		Junction		8	450	Manhole	Adoptable
1.008	12	450	Manhole	Adoptable	16	1200	Manhole	Adoptable
1.009	13		Junction		16	1200	Manhole	Adoptable
1.010	14	450	Manhole	Adoptable	16	1200	Manhole	Adoptable
1.011	16	1200	Manhole	Adoptable	19	450	Manhole	Adoptable
1.012	18	450	Manhole	Adoptable	19	450	Manhole	Adoptable
1.013	11		Junction		12	450	Manhole	Adoptable
1.014	33	450	Manhole	Adoptable	34	1200	Manhole	Adoptable
1.015	27	1200	Manhole	Adoptable	33	450	Manhole	Adoptable
1.016	26		Junction		27	1200	Manhole	Adoptable
1.018	23	450	Manhole	Adoptable	24		Junction	
1.019	22	450	Manhole	Adoptable	23	450	Manhole	Adoptable
1.020	29	450	Manhole	Adoptable	23	450	Manhole	Adoptable
1.021	30		Junction		29	450	Manhole	Adoptable
1.022	21		Junction		22	450	Manhole	Adoptable
1.023	19	450	Manhole	Adoptable	28		Junction	
1.024	20		Junction		19	450	Manhole	Adoptable
1.025	17		Junction		18	450	Manhole	Adoptable
1.026	15		Junction		16	1200	Manhole	Adoptable

Pipeline Schedule

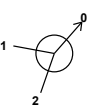
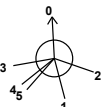
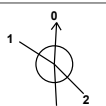
Link	Length (m)	Slope (1:X)	Dia (mm)	Link Type	US CL (m)	US IL (m)	US Depth (m)	DS CL (m)	DS IL (m)	DS Depth (m)
1.027	8.205	82.1	100	Circular_Default Sewer Type	9.040	8.300	0.640	9.040	8.200	0.740
1.028	10.573	105.7	100	Circular_Default Sewer Type	9.030	8.100	0.830	9.030	8.000	0.930
1.029	10.322	95.6	100	Circular_Default Sewer Type	8.830	8.208	0.522	9.030	8.100	0.830
1.030	8.566	85.7	100	Circular_Default Sewer Type	8.900	8.500	0.300	8.900	8.400	0.400
1.031	5.153	57.3	150	Circular_Default Sewer Type	9.100	8.550	0.400	9.300	8.460	0.690
1.032	7.265	72.7	100	Circular_Default Sewer Type	9.100	8.750	0.250	9.200	8.650	0.450
1.033	14.186	141.9	100	Circular_Default Sewer Type	9.200	8.650	0.450	9.100	8.550	0.450

Link	US Node	Dia (mm)	Node Type	MH Type	DS Node	Dia (mm)	Node Type	MH Type
1.027	35		Junction		12	450	Manhole	Adoptable
1.028	6	1200	Manhole	Adoptable	16	1200	Manhole	Adoptable
1.029	4	450	Manhole	Adoptable	6	1200	Manhole	Adoptable
1.030	9		Junction		8	450	Manhole	Adoptable
1.031	36		Junction		25		Junction	
1.032	38		Junction		37	450	Manhole	Adoptable
1.033	37	450	Manhole	Adoptable	36		Junction	

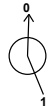
Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)
1	0.000	0.000	8.800	0.500		1	1.000	8.300	100
									
2	14.167	-6.560	8.800	0.592	450	1 2 0	1.002 1.001 1.000	8.208 8.300 8.400	100 100 100
									
3	14.768	-7.431	8.800	0.400		0	1.001	8.400	100
									
4	18.215	1.931	8.830	0.622	450	1 0-1 0-2	1.003 1.002 1.029	8.208 8.300 8.208	100 100 100
									
5	18.780	1.032	8.830	0.430		0	1.003	8.400	100
									
6	20.929	11.890	9.030	0.930	1200	1 2 3 0	1.029 1.005 1.004 1.028	8.100 8.100 8.100 8.100	100 150 100 100
									
7	19.526	11.613	9.030	0.830		0	1.004	8.200	100
									

Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections		Link	IL (m)	Dia (mm)
8	23.810	5.400	8.900	0.500	450		1	1.030	8.400	100
							2	1.006	8.400	150
							0	1.005	8.400	150
9	32.372	5.146	8.900	0.400			0-1	1.006	8.500	150
							0-2	1.030	8.500	100
11	12.050	13.758	9.040	0.740			0	1.013	8.300	100
12	12.801	15.923	9.040	0.840	450		1	1.027	8.200	100
							2	1.013	8.200	100
							0	1.008	8.200	150
13	13.162	18.059	9.040	0.940			0	1.009	8.100	150
							0	1.010	8.100	150
14	15.789	21.684	9.030	0.930	450		0	1.010	8.100	150
							0	1.026	8.100	100
15	20.599	21.300	9.030	0.930			0	1.026	8.100	100
							0	1.028	8.000	100
16	18.244	22.116	9.030	1.030	1200		1	1.028	8.000	100
							2	1.026	8.000	100
							3	1.010	8.000	150
							4	1.009	8.000	150
							5	1.008	8.000	150
							0	1.011	8.000	150
17	25.617	22.256	9.020	0.420			0	1.025	8.600	100
							0	1.025	8.502	100
18	23.053	22.170	9.300	0.798	450		1	1.025	8.502	100
							0	1.012	8.502	150
19	17.969	27.287	9.200	1.300	450		1	1.024	7.900	100
							2	1.012	7.900	150
							3	1.011	7.900	150
							0	1.023	7.900	150
20	16.216	28.412	9.200	1.200			0	1.024	8.000	100

Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)
21	33.734	19.072	9.100	0.400					
						0	1.022	8.700	100
22	35.326	34.246	9.200	0.600	450		1	1.022	8.600
						0	1.019	8.600	150
23	25.784	35.140	9.300	0.800	450		1	1.020	8.500
						2	1.019	8.500	150
						0	1.018	8.500	225
24	23.188	34.318	9.300	1.690			1	1.018	8.460
									225
25	19.048	38.364	9.300	1.690			1	1.031	8.460
									150
26	18.491	38.407	9.300	1.700					
						0	1.016	7.600	150
27	17.105	41.764	9.250	1.675	1200		1	1.016	7.575
						0	1.015	7.575	150
28	18.030	28.397	9.300	1.690			1	1.023	7.800
									150
29	27.525	42.063	9.200	0.600	450		1	1.021	8.600
						0	1.020	8.600	100
30	27.328	64.730	9.100	0.400			0	1.021	8.700
									100
33	17.656	58.214	9.180	1.764	450		1	1.015	7.416
						0	1.014	7.416	150
34	18.117	70.594	8.900	1.700	1200		1	1.014	7.200
									150
35	4.731	17.406	9.040	0.740					
						0	1.027	8.300	100

Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)	
36	19.176	43.515	9.100	0.550		1 0	1	1.033	8.550	100
37	19.530	57.697	9.200	0.550	450	1 0	1	1.032	8.650	100
38	19.897	64.953	9.100	0.350		0	0	1.033	8.650	100
						0	0	1.032	8.750	100

Simulation Settings

Rainfall Methodology	FSR	Drain Down Time (mins)	240
FSR Region	England and Wales	Additional Storage (m³/ha)	20.0
M5-60 (mm)	20.000	Check Discharge Rate(s)	✓
Ratio-R	0.400	30 year (l/s)	1.6
Summer CV	0.500	100 year (l/s)	2.1
Winter CV	0.840	Check Discharge Volume	✓
Analysis Speed	Normal	100 year 360 minute (m³)	48
Skip Steady State	✓		

Storm Durations

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

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

Pre-development Discharge Rate

Site Makeup	Greenfield	Growth Factor 30 year	2.40
Greenfield Method	IH124	Growth Factor 100 year	3.19
Positively Drained Area (ha)	0.196	Betterment (%)	0
SAAR (mm)	703	QBar	0.7
Soil Index	3	Q 30 year (l/s)	1.6
SPR	0.40	Q 100 year (l/s)	2.1
Region	7		

Pre-development Discharge Volume

Site Makeup	Greenfield	Return Period (years)	100
Greenfield Method	FSR/FEH	Climate Change (%)	0
Positively Drained Area (ha)	0.196	Storm Duration (mins)	360
Soil Index	3	Betterment (%)	0
SPR	0.40	PR	0.391
CWI	105.630	Runoff Volume (m³)	48

Node 27 Online Hydro-Brake® Control

Flap Valve	x	Objective	(HE) Minimise upstream storage
Replaces Downstream Link	x	Sump Available	✓
Invert Level (m)	7.575	Product Number	CTL-SHE-0118-6400-1040-6400
Design Depth (m)	1.040	Min Outlet Diameter (m)	0.150
Design Flow (l/s)	6.4	Min Node Diameter (mm)	1200

Node 26 Flow through Pond Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Porosity	0.95	Main Channel Length (m)	10.000
Side Inf Coefficient (m/hr)	0.00000	Invert Level (m)	7.600	Main Channel Slope (1:X)	1000.0
Safety Factor	2.0	Time to half empty (mins)	26	Main Channel n	0.025

Inlets

28 | 24 | 25

Depth (m)	Area (m²)	Inf Area (m²)	Depth (m)	Area (m²)	Inf Area (m²)	Depth (m)	Area (m²)	Inf Area (m²)	Depth (m)	Area (m²)	Inf Area (m²)
0.000	49.0	0.0	1.200	49.0	0.0	1.250	0.0	0.0	1.700	0.0	0.0

Other (defaults)

Entry Loss (manhole)	0.250	Entry Loss (junction)	0.000	Apply Recommended Losses	x
Exit Loss (manhole)	0.250	Exit Loss (junction)	0.000	Flood Risk (m)	0.100

Rainfall

Event	Peak Intensity (mm/hr)	Average Intensity (mm/hr)	Event	Peak Intensity (mm/hr)	Average Intensity (mm/hr)
30 year 15 minute summer	268.706	76.035	100 year +40% CC 15 minute summer	488.233	138.153
30 year 15 minute winter	188.566	76.035	100 year +40% CC 15 minute winter	342.620	138.153
30 year 30 minute summer	174.929	49.499	100 year +40% CC 30 minute summer	320.551	90.705
30 year 30 minute winter	122.757	49.499	100 year +40% CC 30 minute winter	224.948	90.705
30 year 60 minute summer	116.589	30.811	100 year +40% CC 60 minute summer	214.603	56.713
30 year 60 minute winter	77.459	30.811	100 year +40% CC 60 minute winter	142.577	56.713
30 year 120 minute summer	70.438	18.615	100 year +40% CC 120 minute summer	129.587	34.246
30 year 120 minute winter	46.797	18.615	100 year +40% CC 120 minute winter	86.094	34.246
30 year 180 minute summer	53.298	13.715	100 year +40% CC 180 minute summer	97.729	25.149
30 year 180 minute winter	34.645	13.715	100 year +40% CC 180 minute winter	63.526	25.149
30 year 240 minute summer	41.604	10.995	100 year +40% CC 240 minute summer	75.977	20.078
30 year 240 minute winter	27.641	10.995	100 year +40% CC 240 minute winter	50.477	20.078
30 year 360 minute summer	31.221	8.034	100 year +40% CC 360 minute summer	56.677	14.585
30 year 360 minute winter	20.295	8.034	100 year +40% CC 360 minute winter	36.841	14.585
30 year 480 minute summer	24.324	6.428	100 year +40% CC 480 minute summer	43.979	11.622
30 year 480 minute winter	16.160	6.428	100 year +40% CC 480 minute winter	29.219	11.622
30 year 600 minute summer	19.756	5.404	100 year +40% CC 600 minute summer	35.604	9.738
30 year 600 minute winter	13.498	5.404	100 year +40% CC 600 minute winter	24.327	9.738
30 year 720 minute summer	17.490	4.687	100 year +40% CC 720 minute summer	31.433	8.424
30 year 720 minute winter	11.754	4.687	100 year +40% CC 720 minute winter	21.125	8.424
30 year 960 minute summer	14.215	3.743	100 year +40% CC 960 minute summer	25.432	6.697
30 year 960 minute winter	9.416	3.743	100 year +40% CC 960 minute winter	16.847	6.697
30 year 1440 minute summer	10.161	2.723	100 year +40% CC 1440 minute summer	18.055	4.839
30 year 1440 minute winter	6.829	2.723	100 year +40% CC 1440 minute winter	12.134	4.839

Results for 30 year Critical Storm Duration. Lowest mass balance: -60.71%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	1	10	8.364	0.064	7.5	0.0000	0.0000	OK
15 minute winter	2	10	8.468	0.260	6.6	0.0853	0.0000	OK
15 minute winter	3	9	8.478	0.078	2.2	0.0196	0.0000	OK
15 minute winter	4	9	8.476	0.268	7.5	0.0944	0.0000	SURCHARGED
15 minute winter	5	9	8.472	0.072	2.5	0.0169	0.0000	OK
15 minute winter	6	9	8.445	0.345	10.7	0.3897	0.0000	SURCHARGED
15 minute winter	7	9	8.449	0.249	3.1	0.0421	0.0000	SURCHARGED
15 minute winter	8	10	8.442	0.042	5.1	0.0167	0.0000	OK
15 minute winter	9	8	8.528	0.028	2.6	0.0083	0.0000	OK
15 minute winter	11	8	8.330	0.030	2.2	0.0040	0.0000	OK
15 minute winter	12	8	8.228	0.028	4.3	0.0045	0.0000	OK
15 minute winter	13	8	8.151	0.051	6.6	0.0161	0.0000	OK
15 minute winter	14	9	8.141	0.041	0.9	0.0083	0.0000	OK
15 minute winter	15	9	8.135	0.035	2.0	0.0015	0.0000	OK
15 minute winter	16	9	8.140	0.140	21.0	0.1589	0.0000	OK
15 minute winter	17	8	8.624	0.024	1.3	0.0034	0.0000	OK
15 minute winter	18	8	8.520	0.018	1.7	0.0034	0.0000	OK
15 minute winter	19	9	7.987	0.087	23.7	0.0139	0.0000	OK
15 minute winter	20	8	8.021	0.021	1.3	0.0010	0.0000	OK
15 minute winter	21	8	8.734	0.034	1.3	0.0051	0.0000	OK
15 minute winter	22	8	8.637	0.037	2.5	0.0095	0.0000	OK
15 minute winter	23	9	8.556	0.056	7.7	0.0132	0.0000	OK
30 minute winter	24	33	7.975	0.365	5.4	0.0000	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute winter	2	1.000	1	3.9	0.707	0.803	0.0853	0.7
15 minute winter	3	1.001	2	4.4	0.987	0.237	0.0076	
15 minute winter	4	1.002	2	-3.1	-0.434	-0.423	0.0481	
15 minute winter	4	1.029	6	4.4	0.609	0.711	0.0808	
15 minute winter	5	1.003	4	3.9	0.635	0.151	0.0074	
15 minute winter	6	1.028	16	9.5	1.210	1.614	0.0827	
15 minute winter	7	1.004	6	2.8	0.785	0.172	0.0112	
15 minute winter	8	1.005	6	5.1	0.684	0.142	0.0816	
15 minute winter	9	1.006	8	1.4	0.503	0.075	0.0261	
15 minute winter	9	1.030	8	1.1	0.490	0.169	0.0204	
15 minute winter	11	1.013	12	2.2	1.152	0.170	0.0043	
15 minute winter	12	1.008	16	4.2	0.440	0.078	0.0210	
15 minute winter	13	1.009	16	6.5	0.838	0.245	0.0491	
15 minute winter	14	1.010	16	1.6	0.185	0.044	0.0262	
15 minute winter	15	1.026	16	2.2	0.382	0.181	0.0128	
15 minute winter	16	1.011	19	21.0	1.462	1.013	0.1025	
15 minute winter	17	1.025	18	1.3	1.058	0.106	0.0031	
15 minute winter	18	1.012	19	1.6	0.397	0.032	0.0427	
15 minute winter	19	1.023	28	23.8	2.540	0.443	0.0104	
15 minute winter	20	1.024	19	1.3	0.650	0.095	0.0087	
15 minute winter	21	1.022	22	1.2	0.489	0.248	0.0377	
15 minute winter	22	1.019	23	2.4	0.514	0.131	0.0448	
15 minute winter	23	1.018	24	7.6	1.033	0.121	0.0202	
30 minute winter	24	Flow through pond	26	17.0	0.078	0.004	14.4430	

Results for 30 year Critical Storm Duration. Lowest mass balance: -60.71%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute winter	25	33	7.975	0.365	5.1	0.0000	0.0000	OK
60 minute winter	26	45	7.924	0.324	12.7	0.0000	0.0000	SURCHARGED
60 minute winter	27	45	7.918	0.343	6.7	0.3874	0.0000	SURCHARGED
30 minute winter	28	33	7.988	0.378	18.6	0.0000	0.0000	OK
15 minute winter	29	8	8.647	0.047	4.2	0.0152	0.0000	OK
15 minute winter	30	8	8.752	0.052	2.2	0.0130	0.0000	OK
60 minute winter	33	46	7.472	0.056	6.4	0.0089	0.0000	OK
60 minute winter	34	46	7.253	0.053	6.4	0.0000	0.0000	OK
15 minute winter	35	8	8.341	0.041	2.2	0.0056	0.0000	OK
15 minute winter	36	8	8.607	0.057	7.4	0.0104	0.0000	OK
15 minute winter	37	8	8.735	0.085	5.6	0.0384	0.0000	OK
15 minute winter	38	8	8.788	0.038	2.2	0.0108	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	25	Flow through pond	26	17.0	0.078	0.004	14.4430	
60 minute winter	26	1.016	27	6.7	0.455	0.453	0.0639	
60 minute winter	27	1.015	33	6.4	0.955	0.366	0.1103	
30 minute winter	28	Flow through pond	26	17.0	0.078	0.004	14.4430	
15 minute winter	29	1.020	23	4.1	0.759	0.192	0.0382	
15 minute winter	30	1.021	29	2.0	0.534	0.510	0.0870	
60 minute winter	33	1.014	34	6.4	1.104	0.272	0.0717	43.1
15 minute winter	35	1.027	12	2.1	0.880	0.318	0.0199	
15 minute winter	36	1.031	25	7.3	1.184	0.310	0.0318	
15 minute winter	37	1.033	36	5.3	0.891	1.043	0.0834	
15 minute winter	38	1.032	37	2.1	0.423	0.301	0.0356	

Results for 100 year +40% CC Critical Storm Duration. Lowest mass balance: -60.71%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	1	10	8.390	0.090	14.7	0.0000	0.0000	OK
15 minute winter	2	10	8.680	0.472	8.8	0.1549	0.0000	SURCHARGED
15 minute winter	3	10	8.683	0.283	4.0	0.0708	0.0000	SURCHARGED
15 minute winter	4	10	8.706	0.498	7.1	0.1752	0.0000	SURCHARGED
15 minute winter	5	10	8.709	0.309	4.0	0.0719	0.0000	SURCHARGED
15 minute winter	6	10	8.694	0.594	11.8	0.6721	0.0000	SURCHARGED
15 minute winter	7	10	8.701	0.501	5.6	0.0847	0.0000	SURCHARGED
15 minute winter	8	10	8.705	0.305	8.0	0.1217	0.0000	SURCHARGED
15 minute winter	9	10	8.706	0.206	5.1	0.0618	0.0000	SURCHARGED
15 minute winter	11	8	8.341	0.041	4.0	0.0056	0.0000	OK
60 minute winter	12	58	8.317	0.117	3.4	0.0186	0.0000	OK
60 minute winter	13	58	8.316	0.216	5.0	0.0689	0.0000	SURCHARGED
60 minute winter	14	58	8.314	0.214	1.4	0.0433	0.0000	SURCHARGED
60 minute winter	15	58	8.316	0.216	1.4	0.0093	0.0000	SURCHARGED
60 minute winter	16	58	8.317	0.317	19.1	0.3586	0.0000	SURCHARGED
15 minute winter	17	8	8.633	0.033	2.4	0.0047	0.0000	OK
15 minute winter	18	8	8.527	0.025	3.2	0.0046	0.0000	OK
60 minute winter	19	57	8.311	0.411	21.1	0.0653	0.0000	SURCHARGED
60 minute winter	20	61	8.320	0.320	4.1	0.0160	0.0000	SURCHARGED
15 minute winter	21	8	8.749	0.049	2.4	0.0073	0.0000	OK
15 minute winter	22	8	8.651	0.051	4.7	0.0132	0.0000	OK
15 minute winter	23	8	8.578	0.078	14.2	0.0183	0.0000	OK
120 minute winter	24	90	8.345	0.735	33.6	0.0000	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute winter	2	1.000	1	8.2	1.043	1.695	0.1189	3.3
15 minute winter	3	1.001	2	2.5	1.068	0.135	0.0083	
15 minute winter	4	1.002	2	3.3	0.427	0.451	0.0481	
15 minute winter	4	1.029	6	4.8	0.611	0.774	0.0808	
15 minute winter	5	1.003	4	3.0	0.568	0.116	0.0083	
15 minute winter	6	1.028	16	11.0	1.400	1.866	0.0827	
15 minute winter	7	1.004	6	3.8	0.697	0.233	0.0112	
15 minute winter	8	1.005	6	5.8	0.635	0.162	0.1329	
15 minute winter	9	1.006	8	2.4	0.517	0.125	0.1508	
15 minute winter	9	1.030	8	1.7	0.503	0.257	0.0670	
15 minute winter	11	1.013	12	4.0	1.299	0.312	0.0116	
60 minute winter	12	1.008	16	3.4	0.382	0.062	0.0350	
60 minute winter	13	1.009	16	5.9	0.686	0.220	0.0788	
60 minute winter	14	1.010	16	1.7	0.135	0.047	0.0439	
60 minute winter	15	1.026	16	1.5	0.191	0.122	0.0195	
60 minute winter	16	1.011	19	18.8	1.431	0.906	0.1298	
15 minute winter	17	1.025	18	2.4	1.253	0.198	0.0048	
15 minute winter	18	1.012	19	3.1	0.421	0.060	0.0654	
60 minute winter	19	1.023	28	20.7	2.406	0.386	0.0196	
60 minute winter	20	1.024	19	-4.1	-0.521	-0.305	0.0163	
15 minute winter	21	1.022	22	2.3	0.586	0.469	0.0596	
15 minute winter	22	1.019	23	4.5	0.622	0.249	0.0699	
15 minute winter	23	1.018	24	14.0	1.214	0.222	0.0314	
120 minute winter	24	Flow through pond	26	64.1	0.051	0.015	30.5245	

Results for 100 year +40% CC Critical Storm Duration. Lowest mass balance: -60.71%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	25	52	8.353	0.743	27.0	0.0000	0.0000	OK
120 minute winter	26	94	8.247	0.647	64.1	0.0000	0.0000	SURCHARGED
120 minute winter	27	94	8.243	0.668	6.7	0.7558	0.0000	SURCHARGED
60 minute winter	28	63	8.444	0.834	51.0	0.0000	0.0000	OK
15 minute winter	29	8	8.667	0.067	7.6	0.0217	0.0000	OK
15 minute winter	30	8	8.778	0.078	4.0	0.0195	0.0000	OK
120 minute winter	33	166	7.472	0.056	6.4	0.0089	0.0000	OK
120 minute winter	34	166	7.253	0.053	6.4	0.0000	0.0000	OK
15 minute winter	35	8	8.358	0.058	4.0	0.0078	0.0000	OK
15 minute winter	36	9	8.624	0.074	11.4	0.0134	0.0000	OK
15 minute winter	37	9	8.912	0.262	9.0	0.1178	0.0000	SURCHARGED
15 minute winter	38	9	8.933	0.183	4.0	0.0524	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	25	Flow through pond	26	19.4	0.082	0.005	29.9065	
120 minute winter	26	1.016	27	6.7	0.439	0.458	0.0639	
120 minute winter	27	1.015	33	6.4	0.956	0.367	0.1104	
60 minute winter	28	Flow through pond	26	19.4	0.082	0.005	29.9065	
15 minute winter	29	1.020	23	7.3	0.871	0.348	0.0602	
15 minute winter	30	1.021	29	3.7	0.609	0.918	0.1373	
120 minute winter	33	1.014	34	6.4	1.105	0.272	0.0718	80.9
15 minute winter	35	1.027	12	3.9	1.001	0.583	0.0478	
15 minute winter	36	1.031	25	11.5	1.332	0.488	0.0445	
15 minute winter	37	1.033	36	8.0	1.069	1.593	0.0994	
15 minute winter	38	1.032	37	3.1	0.437	0.438	0.0568	

Results for 30 year 15 minute summer. 255 minute analysis at 1 minute timestep. Mass balance: -46.94%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	1	9	8.312	0.012	3.7	0.0000	0.0000	OK
15 minute summer	2	9	8.414	0.206	3.7	0.0674	0.0000	OK
15 minute summer	3	8	8.421	0.021	1.9	0.0053	0.0000	OK
15 minute summer	4	9	8.406	0.198	7.0	0.0695	0.0000	SURCHARGED
15 minute summer	5	8	8.418	0.018	1.9	0.0042	0.0000	OK
15 minute summer	6	9	8.343	0.243	10.5	0.2745	0.0000	SURCHARGED
15 minute summer	7	9	8.344	0.144	2.6	0.0244	0.0000	SURCHARGED
15 minute summer	8	8	8.434	0.034	4.2	0.0135	0.0000	OK
15 minute summer	9	8	8.525	0.025	2.2	0.0075	0.0000	OK
15 minute summer	11	8	8.327	0.027	1.9	0.0036	0.0000	OK
15 minute summer	12	8	8.225	0.025	3.5	0.0040	0.0000	OK
15 minute summer	13	8	8.146	0.046	5.6	0.0146	0.0000	OK
15 minute summer	14	8	8.114	0.014	0.7	0.0029	0.0000	OK
15 minute summer	15	8	8.116	0.016	0.7	0.0007	0.0000	OK
15 minute summer	16	9	8.111	0.111	16.7	0.1256	0.0000	OK
15 minute summer	17	8	8.621	0.021	1.1	0.0030	0.0000	OK
15 minute summer	18	8	8.519	0.017	1.4	0.0031	0.0000	OK
15 minute summer	19	9	7.974	0.074	18.2	0.0118	0.0000	OK
15 minute summer	20	8	8.019	0.019	1.1	0.0009	0.0000	OK
15 minute summer	21	8	8.730	0.030	1.1	0.0044	0.0000	OK
15 minute summer	22	9	8.631	0.031	2.0	0.0081	0.0000	OK
15 minute summer	23	9	8.548	0.048	5.7	0.0113	0.0000	OK
15 minute summer	24	18	7.786	0.176	5.7	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	2	1.000	1	0.2	0.276	0.034	0.0093	0.0
15 minute summer	3	1.001	2	1.8	0.920	0.097	0.0046	
15 minute summer	4	1.002	2	-3.0	-0.460	-0.402	0.0481	
15 minute summer	4	1.029	6	4.3	0.631	0.697	0.0808	
15 minute summer	5	1.003	4	1.8	0.508	0.071	0.0047	
15 minute summer	6	1.028	16	8.4	1.073	1.430	0.0827	
15 minute summer	7	1.004	6	2.5	0.860	0.156	0.0112	
15 minute summer	8	1.005	6	4.0	0.567	0.111	0.0776	
15 minute summer	9	1.006	8	1.2	0.475	0.060	0.0210	
15 minute summer	9	1.030	8	0.9	0.464	0.136	0.0165	
15 minute summer	11	1.013	12	1.8	1.105	0.141	0.0037	
15 minute summer	12	1.008	16	3.4	0.437	0.062	0.0171	
15 minute summer	13	1.009	16	5.4	0.758	0.203	0.0412	
15 minute summer	14	1.010	16	0.7	0.188	0.018	0.0184	
15 minute summer	15	1.026	16	0.7	0.204	0.054	0.0107	
15 minute summer	16	1.011	19	16.4	1.433	0.790	0.0836	
15 minute summer	17	1.025	18	1.0	0.992	0.086	0.0027	
15 minute summer	18	1.012	19	1.3	0.305	0.026	0.0346	
15 minute summer	19	1.023	28	18.5	2.410	0.345	0.0085	
15 minute summer	20	1.024	19	1.0	0.594	0.077	0.0074	
15 minute summer	21	1.022	22	0.9	0.450	0.185	0.0305	
15 minute summer	22	1.019	23	1.7	0.473	0.095	0.0361	
15 minute summer	23	1.018	24	5.7	0.957	0.091	0.0163	
15 minute summer	24	Flow through pond	26	14.9	0.077	0.004	7.0216	

Results for 30 year 15 minute summer. 255 minute analysis at 1 minute timestep. Mass balance: -46.94%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	25	18	7.786	0.176	5.4	0.0000	0.0000	OK
15 minute summer	26	15	7.756	0.156	14.9	0.0000	0.0000	SURCHARGED
15 minute summer	27	15	7.752	0.177	5.1	0.1999	0.0000	SURCHARGED
15 minute summer	28	18	7.787	0.177	18.5	0.0000	0.0000	OK
15 minute summer	29	8	8.640	0.040	3.4	0.0129	0.0000	OK
15 minute summer	30	8	8.744	0.044	1.9	0.0110	0.0000	OK
15 minute summer	33	15	7.465	0.049	5.1	0.0078	0.0000	OK
15 minute summer	34	16	7.247	0.047	5.0	0.0000	0.0000	OK
15 minute summer	35	8	8.337	0.037	1.9	0.0050	0.0000	OK
15 minute summer	36	8	8.600	0.050	5.9	0.0090	0.0000	OK
15 minute summer	37	8	8.720	0.070	4.7	0.0315	0.0000	OK
15 minute summer	38	8	8.784	0.034	1.9	0.0096	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	25	Flow through pond	26	14.9	0.077	0.004	7.0216	
15 minute summer	26	1.016	27	5.1	0.538	0.344	0.0639	
15 minute summer	27	1.015	33	5.1	0.900	0.289	0.0925	
15 minute summer	28	Flow through pond	26	14.9	0.077	0.004	7.0216	
15 minute summer	29	1.020	23	3.0	0.706	0.143	0.0304	
15 minute summer	30	1.021	29	1.5	0.500	0.377	0.0703	
15 minute summer	33	1.014	34	5.0	1.037	0.215	0.0603	25.1
15 minute summer	35	1.027	12	1.7	0.824	0.256	0.0171	
15 minute summer	36	1.031	25	5.4	1.097	0.231	0.0260	
15 minute summer	37	1.033	36	4.0	0.841	0.795	0.0690	
15 minute summer	38	1.032	37	1.7	0.423	0.244	0.0297	

Results for 30 year 15 minute winter. 255 minute analysis at 1 minute timestep. Mass balance: 72.62%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	1	10	8.364	0.064	7.5	0.0000	0.0000	OK
15 minute winter	2	10	8.468	0.260	6.6	0.0853	0.0000	OK
15 minute winter	3	9	8.478	0.078	2.2	0.0196	0.0000	OK
15 minute winter	4	9	8.476	0.268	7.5	0.0944	0.0000	SURCHARGED
15 minute winter	5	9	8.472	0.072	2.5	0.0169	0.0000	OK
15 minute winter	6	9	8.445	0.345	10.7	0.3897	0.0000	SURCHARGED
15 minute winter	7	9	8.449	0.249	3.1	0.0421	0.0000	SURCHARGED
15 minute winter	8	10	8.442	0.042	5.1	0.0167	0.0000	OK
15 minute winter	9	8	8.528	0.028	2.6	0.0083	0.0000	OK
15 minute winter	11	8	8.330	0.030	2.2	0.0040	0.0000	OK
15 minute winter	12	8	8.228	0.028	4.3	0.0045	0.0000	OK
15 minute winter	13	8	8.151	0.051	6.6	0.0161	0.0000	OK
15 minute winter	14	9	8.141	0.041	0.9	0.0083	0.0000	OK
15 minute winter	15	9	8.135	0.035	2.0	0.0015	0.0000	OK
15 minute winter	16	9	8.140	0.140	21.0	0.1589	0.0000	OK
15 minute winter	17	8	8.624	0.024	1.3	0.0034	0.0000	OK
15 minute winter	18	8	8.520	0.018	1.7	0.0034	0.0000	OK
15 minute winter	19	9	7.987	0.087	23.7	0.0139	0.0000	OK
15 minute winter	20	8	8.021	0.021	1.3	0.0010	0.0000	OK
15 minute winter	21	8	8.734	0.034	1.3	0.0051	0.0000	OK
15 minute winter	22	8	8.637	0.037	2.5	0.0095	0.0000	OK
15 minute winter	23	9	8.556	0.056	7.7	0.0132	0.0000	OK
15 minute winter	24	21	7.892	0.282	7.6	0.0000	0.0000	OK
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute winter	2	1.000	1	3.9	0.707	0.803	0.0853	0.7
15 minute winter	3	1.001	2	4.4	0.987	0.237	0.0076	
15 minute winter	4	1.002	2	-3.1	-0.434	-0.423	0.0481	
15 minute winter	4	1.029	6	4.4	0.609	0.711	0.0808	
15 minute winter	5	1.003	4	3.9	0.635	0.151	0.0074	
15 minute winter	6	1.028	16	9.5	1.210	1.614	0.0827	
15 minute winter	7	1.004	6	2.8	0.785	0.172	0.0112	
15 minute winter	8	1.005	6	5.1	0.684	0.142	0.0816	
15 minute winter	9	1.006	8	1.4	0.503	0.075	0.0261	
15 minute winter	9	1.030	8	1.1	0.490	0.169	0.0204	
15 minute winter	11	1.013	12	2.2	1.152	0.170	0.0043	
15 minute winter	12	1.008	16	4.2	0.440	0.078	0.0210	
15 minute winter	13	1.009	16	6.5	0.838	0.245	0.0491	
15 minute winter	14	1.010	16	1.6	0.185	0.044	0.0262	
15 minute winter	15	1.026	16	2.2	0.382	0.181	0.0128	
15 minute winter	16	1.011	19	21.0	1.462	1.013	0.1025	
15 minute winter	17	1.025	18	1.3	1.058	0.106	0.0031	
15 minute winter	18	1.012	19	1.6	0.397	0.032	0.0427	
15 minute winter	19	1.023	28	23.8	2.540	0.443	0.0104	
15 minute winter	20	1.024	19	1.3	0.650	0.095	0.0087	
15 minute winter	21	1.022	22	1.2	0.489	0.248	0.0377	
15 minute winter	22	1.019	23	2.4	0.514	0.131	0.0448	
15 minute winter	23	1.018	24	7.6	1.033	0.121	0.0202	
15 minute winter	24	Flow through pond	26	21.8	0.092	0.005	11.7509	

Results for 30 year 15 minute winter. 255 minute analysis at 1 minute timestep. Mass balance: 72.62%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	25	21	7.892	0.282	7.3	0.0000	0.0000	OK
15 minute winter	26	16	7.858	0.258	21.8	0.0000	0.0000	SURCHARGED
15 minute winter	27	16	7.851	0.276	6.4	0.3122	0.0000	SURCHARGED
15 minute winter	28	21	7.891	0.281	23.8	0.0000	0.0000	OK
15 minute winter	29	8	8.647	0.047	4.2	0.0152	0.0000	OK
15 minute winter	30	8	8.752	0.052	2.2	0.0130	0.0000	OK
15 minute winter	33	17	7.471	0.055	6.3	0.0088	0.0000	OK
15 minute winter	34	17	7.253	0.053	6.3	0.0000	0.0000	OK
15 minute winter	35	8	8.341	0.041	2.2	0.0056	0.0000	OK
15 minute winter	36	8	8.607	0.057	7.4	0.0104	0.0000	OK
15 minute winter	37	8	8.735	0.085	5.6	0.0384	0.0000	OK
15 minute winter	38	8	8.788	0.038	2.2	0.0108	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	25	Flow through pond	26	21.8	0.092	0.005	11.7509	
15 minute winter	26	1.016	27	6.4	0.609	0.436	0.0639	
15 minute winter	27	1.015	33	6.3	0.950	0.358	0.1084	
15 minute winter	28	Flow through pond	26	21.8	0.092	0.005	11.7509	
15 minute winter	29	1.020	23	4.1	0.759	0.192	0.0382	
15 minute winter	30	1.021	29	2.0	0.534	0.510	0.0870	
15 minute winter	33	1.014	34	6.3	1.098	0.266	0.0706	21.5
15 minute winter	35	1.027	12	2.1	0.880	0.318	0.0199	
15 minute winter	36	1.031	25	7.3	1.184	0.310	0.0318	
15 minute winter	37	1.033	36	5.3	0.891	1.043	0.0834	
15 minute winter	38	1.032	37	2.1	0.423	0.301	0.0356	

Results for 30 year 30 minute summer. 270 minute analysis at 1 minute timestep. Mass balance: -11.60%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	1	1	8.300	0.000	2.4	0.0000	0.0000	OK
30 minute summer	2	16	8.367	0.159	2.4	0.0522	0.0000	OK
30 minute summer	3	16	8.417	0.017	1.2	0.0043	0.0000	OK
30 minute summer	4	17	8.350	0.142	5.0	0.0499	0.0000	OK
30 minute summer	5	16	8.415	0.015	1.2	0.0034	0.0000	OK
30 minute summer	6	17	8.295	0.195	8.4	0.2200	0.0000	SURCHARGED
30 minute summer	7	17	8.294	0.094	2.6	0.0160	0.0000	OK
30 minute summer	8	16	8.429	0.029	3.0	0.0118	0.0000	OK
30 minute summer	9	16	8.521	0.021	1.5	0.0064	0.0000	OK
30 minute summer	11	16	8.322	0.022	1.2	0.0029	0.0000	OK
30 minute summer	12	16	8.222	0.022	2.4	0.0034	0.0000	OK
30 minute summer	13	16	8.137	0.037	3.6	0.0119	0.0000	OK
30 minute summer	14	16	8.112	0.012	0.5	0.0025	0.0000	OK
30 minute summer	15	16	8.114	0.014	0.5	0.0006	0.0000	OK
30 minute summer	16	16	8.100	0.100	14.0	0.1131	0.0000	OK
30 minute summer	17	16	8.618	0.018	0.7	0.0025	0.0000	OK
30 minute summer	18	16	8.516	0.014	0.9	0.0025	0.0000	OK
30 minute summer	19	16	7.966	0.066	15.5	0.0105	0.0000	OK
30 minute summer	20	16	8.016	0.016	0.7	0.0008	0.0000	OK
30 minute summer	21	16	8.725	0.025	0.7	0.0038	0.0000	OK
30 minute summer	22	16	8.628	0.028	1.4	0.0072	0.0000	OK
30 minute summer	23	16	8.542	0.042	4.4	0.0098	0.0000	OK
30 minute summer	24	32	7.798	0.188	4.3	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute summer	2	1.000	1	0.0	0.000	0.000	0.0000	0.0
30 minute summer	3	1.001	2	1.2	0.764	0.064	0.0034	
30 minute summer	4	1.002	2	-2.3	-0.376	-0.317	0.0361	
30 minute summer	4	1.029	6	4.1	0.581	0.661	0.0808	
30 minute summer	5	1.003	4	1.2	1.051	0.046	0.0045	
30 minute summer	6	1.028	16	7.6	0.972	1.295	0.0827	
30 minute summer	7	1.004	6	1.6	0.887	0.098	0.0111	
30 minute summer	8	1.005	6	3.0	0.402	0.084	0.0756	
30 minute summer	9	1.006	8	0.8	0.427	0.044	0.0170	
30 minute summer	9	1.030	8	0.7	0.419	0.101	0.0135	
30 minute summer	11	1.013	12	1.2	0.973	0.094	0.0028	
30 minute summer	12	1.008	16	2.4	0.359	0.044	0.0152	
30 minute summer	13	1.009	16	3.6	0.729	0.135	0.0355	
30 minute summer	14	1.010	16	0.5	0.086	0.014	0.0164	
30 minute summer	15	1.026	16	0.5	0.112	0.041	0.0106	
30 minute summer	16	1.011	19	13.9	1.388	0.671	0.0736	
30 minute summer	17	1.025	18	0.7	0.896	0.059	0.0020	
30 minute summer	18	1.012	19	0.9	0.238	0.017	0.0300	
30 minute summer	19	1.023	28	15.4	2.309	0.287	0.0074	
30 minute summer	20	1.024	19	0.7	0.628	0.052	0.0065	
30 minute summer	21	1.022	22	0.7	0.413	0.141	0.0253	
30 minute summer	22	1.019	23	1.4	0.436	0.075	0.0301	
30 minute summer	23	1.018	24	4.3	0.880	0.069	0.0134	
30 minute summer	24	Flow through pond	26	13.4	0.054	0.003	8.1341	

Results for 30 year 30 minute summer. 270 minute analysis at 1 minute timestep. Mass balance: -11.60%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	25	32	7.797	0.187	4.2	0.0000	0.0000	OK
30 minute summer	26	23	7.780	0.180	13.4	0.0000	0.0000	SURCHARGED
30 minute summer	27	23	7.774	0.199	5.7	0.2255	0.0000	SURCHARGED
30 minute summer	28	32	7.797	0.187	15.4	0.0000	0.0000	OK
30 minute summer	29	16	8.634	0.034	2.4	0.0112	0.0000	OK
30 minute summer	30	16	8.738	0.038	1.2	0.0095	0.0000	OK
30 minute summer	33	23	7.469	0.053	5.7	0.0084	0.0000	OK
30 minute summer	34	23	7.250	0.050	5.7	0.0000	0.0000	OK
30 minute summer	35	16	8.330	0.030	1.2	0.0041	0.0000	OK
30 minute summer	36	16	8.593	0.043	4.3	0.0079	0.0000	OK
30 minute summer	37	16	8.708	0.058	3.1	0.0259	0.0000	OK
30 minute summer	38	16	8.778	0.028	1.2	0.0080	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	25	Flow through pond	26	13.4	0.054	0.003	8.1341	
30 minute summer	26	1.016	27	5.7	0.420	0.391	0.0639	
30 minute summer	27	1.015	33	5.7	0.929	0.328	0.1016	
30 minute summer	28	Flow through pond	26	13.4	0.054	0.003	8.1341	
30 minute summer	29	1.020	23	2.3	0.660	0.111	0.0253	
30 minute summer	30	1.021	29	1.2	0.459	0.295	0.0579	
30 minute summer	33	1.014	34	5.7	1.072	0.244	0.0662	28.5
30 minute summer	35	1.027	12	1.2	0.747	0.180	0.0132	
30 minute summer	36	1.031	25	4.2	1.015	0.180	0.0216	
30 minute summer	37	1.033	36	3.1	0.778	0.608	0.0561	
30 minute summer	38	1.032	37	1.2	0.378	0.169	0.0234	

Results for 30 year 30 minute winter. 270 minute analysis at 1 minute timestep. Mass balance: 39.30%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute winter	1	18	8.340	0.040	3.9	0.0000	0.0000	OK
30 minute winter	2	18	8.444	0.236	4.4	0.0775	0.0000	OK
30 minute winter	3	17	8.439	0.039	1.4	0.0097	0.0000	OK
30 minute winter	4	18	8.424	0.216	5.3	0.0761	0.0000	SURCHARGED
30 minute winter	5	17	8.435	0.035	1.6	0.0082	0.0000	OK
30 minute winter	6	18	8.379	0.279	9.2	0.3160	0.0000	SURCHARGED
30 minute winter	7	17	8.382	0.182	2.6	0.0307	0.0000	SURCHARGED
30 minute winter	8	16	8.431	0.031	3.4	0.0125	0.0000	OK
30 minute winter	9	16	8.523	0.023	1.7	0.0068	0.0000	OK
30 minute winter	11	16	8.323	0.023	1.4	0.0031	0.0000	OK
30 minute winter	12	16	8.223	0.023	2.8	0.0037	0.0000	OK
30 minute winter	13	16	8.141	0.041	4.3	0.0130	0.0000	OK
30 minute winter	14	16	8.114	0.014	0.6	0.0028	0.0000	OK
30 minute winter	15	16	8.115	0.015	0.6	0.0007	0.0000	OK
30 minute winter	16	16	8.113	0.113	16.7	0.1278	0.0000	OK
30 minute winter	17	16	8.620	0.020	0.9	0.0028	0.0000	OK
30 minute winter	18	16	8.518	0.016	1.2	0.0029	0.0000	OK
30 minute winter	19	16	7.975	0.075	18.7	0.0119	0.0000	OK
30 minute winter	20	16	8.018	0.018	0.9	0.0009	0.0000	OK
30 minute winter	21	16	8.729	0.029	0.9	0.0043	0.0000	OK
30 minute winter	22	16	8.632	0.032	1.8	0.0082	0.0000	OK
30 minute winter	23	16	8.547	0.047	5.5	0.0111	0.0000	OK
30 minute winter	24	33	7.975	0.365	5.4	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute winter	2	1.000	1	1.6	0.518	0.335	0.0486	0.3
30 minute winter	3	1.001	2	3.4	0.864	0.182	0.0056	
30 minute winter	4	1.002	2	-2.5	-0.391	-0.332	0.0481	
30 minute winter	4	1.029	6	4.2	0.581	0.688	0.0808	
30 minute winter	5	1.003	4	1.5	0.565	0.058	0.0055	
30 minute winter	6	1.028	16	8.7	1.117	1.490	0.0827	
30 minute winter	7	1.004	6	2.5	0.929	0.152	0.0112	
30 minute winter	8	1.005	6	3.4	0.558	0.095	0.0765	
30 minute winter	9	1.006	8	1.0	0.444	0.050	0.0186	
30 minute winter	9	1.030	8	0.7	0.435	0.114	0.0147	
30 minute winter	11	1.013	12	1.4	1.016	0.110	0.0032	
30 minute winter	12	1.008	16	2.8	0.369	0.051	0.0173	
30 minute winter	13	1.009	16	4.3	0.796	0.161	0.0405	
30 minute winter	14	1.010	16	0.6	0.138	0.017	0.0187	
30 minute winter	15	1.026	16	0.6	0.141	0.049	0.0107	
30 minute winter	16	1.011	19	16.6	1.431	0.799	0.0847	
30 minute winter	17	1.025	18	0.9	0.955	0.076	0.0024	
30 minute winter	18	1.012	19	1.2	0.272	0.023	0.0351	
30 minute winter	19	1.023	28	18.6	2.409	0.346	0.0143	
30 minute winter	20	1.024	19	0.9	0.273	0.067	0.0075	
30 minute winter	21	1.022	22	0.9	0.447	0.184	0.0306	
30 minute winter	22	1.019	23	1.8	0.482	0.098	0.0358	
30 minute winter	23	1.018	24	5.4	0.939	0.086	0.0158	
30 minute winter	24	Flow through pond	26	17.0	0.078	0.004	14.4430	

Results for 30 year 30 minute winter. 270 minute analysis at 1 minute timestep. Mass balance: 39.30%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute winter	25	33	7.975	0.365	5.1	0.0000	0.0000	OK
30 minute winter	26	28	7.915	0.315	17.0	0.0000	0.0000	SURCHARGED
30 minute winter	27	28	7.909	0.334	6.6	0.3773	0.0000	SURCHARGED
30 minute winter	28	33	7.988	0.378	18.6	0.0000	0.0000	OK
30 minute winter	29	16	8.638	0.038	2.8	0.0123	0.0000	OK
30 minute winter	30	16	8.742	0.042	1.4	0.0104	0.0000	OK
30 minute winter	33	29	7.472	0.056	6.4	0.0089	0.0000	OK
30 minute winter	34	29	7.253	0.053	6.4	0.0000	0.0000	OK
30 minute winter	35	16	8.333	0.033	1.4	0.0044	0.0000	OK
30 minute winter	36	16	8.597	0.047	5.1	0.0086	0.0000	OK
30 minute winter	37	16	8.715	0.065	3.7	0.0291	0.0000	OK
30 minute winter	38	16	8.780	0.030	1.4	0.0086	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute winter	25	Flow through pond	26	17.0	0.078	0.004	14.4430	
30 minute winter	26	1.016	27	6.6	0.496	0.450	0.0639	
30 minute winter	27	1.015	33	6.4	0.955	0.366	0.1102	
30 minute winter	28	Flow through pond	26	17.0	0.078	0.004	14.4430	
30 minute winter	29	1.020	23	2.8	0.678	0.132	0.0294	
30 minute winter	30	1.021	29	1.4	0.482	0.350	0.0655	
30 minute winter	33	1.014	34	6.4	1.104	0.272	0.0717	36.7
30 minute winter	35	1.027	12	1.4	0.782	0.210	0.0148	
30 minute winter	36	1.031	25	5.1	1.068	0.216	0.0245	
30 minute winter	37	1.033	36	3.7	0.819	0.731	0.0638	
30 minute winter	38	1.032	37	1.4	0.385	0.197	0.0266	

Results for 30 year 60 minute summer. 300 minute analysis at 1 minute timestep. Mass balance: 4.32%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute summer	1	1	8.300	0.000	1.6	0.0000	0.0000	OK
60 minute summer	2	31	8.348	0.140	1.6	0.0458	0.0000	OK
60 minute summer	3	31	8.414	0.014	0.8	0.0035	0.0000	OK
60 minute summer	4	31	8.261	0.053	3.4	0.0185	0.0000	OK
60 minute summer	5	31	8.412	0.012	0.8	0.0028	0.0000	OK
60 minute summer	6	32	8.202	0.102	6.5	0.1159	0.0000	SURCHARGED
60 minute summer	7	31	8.218	0.018	1.1	0.0030	0.0000	OK
60 minute summer	8	31	8.424	0.024	2.0	0.0096	0.0000	OK
60 minute summer	9	31	8.518	0.018	1.0	0.0053	0.0000	OK
60 minute summer	11	31	8.317	0.017	0.8	0.0024	0.0000	OK
60 minute summer	12	31	8.218	0.018	1.6	0.0028	0.0000	OK
60 minute summer	13	31	8.130	0.030	2.4	0.0097	0.0000	OK
60 minute summer	14	32	8.110	0.010	0.3	0.0020	0.0000	OK
60 minute summer	15	32	8.111	0.011	0.3	0.0005	0.0000	OK
60 minute summer	16	31	8.084	0.084	10.6	0.0946	0.0000	OK
60 minute summer	17	31	8.615	0.015	0.5	0.0021	0.0000	OK
60 minute summer	18	31	8.514	0.012	0.7	0.0023	0.0000	OK
60 minute summer	19	31	7.956	0.056	11.7	0.0089	0.0000	OK
60 minute summer	20	31	8.013	0.013	0.5	0.0007	0.0000	OK
60 minute summer	21	31	8.721	0.021	0.5	0.0032	0.0000	OK
60 minute summer	22	31	8.624	0.024	1.0	0.0061	0.0000	OK
60 minute summer	23	31	8.535	0.035	3.0	0.0082	0.0000	OK
60 minute summer	24	50	7.794	0.184	3.1	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute summer	2	1.000	1	0.0	0.000	0.000	0.0000	0.0
60 minute summer	3	1.001	2	0.8	0.621	0.043	0.0023	
60 minute summer	4	1.002	2	-1.6	-0.267	-0.214	0.0305	
60 minute summer	4	1.029	6	3.4	0.560	0.545	0.0616	
60 minute summer	5	1.003	4	0.8	0.486	0.031	0.0025	
60 minute summer	6	1.028	16	6.1	0.830	1.035	0.0780	
60 minute summer	7	1.004	6	1.1	0.684	0.068	0.0062	
60 minute summer	8	1.005	6	2.0	0.505	0.056	0.0546	
60 minute summer	9	1.006	8	0.6	0.377	0.029	0.0128	
60 minute summer	9	1.030	8	0.4	0.372	0.067	0.0102	
60 minute summer	11	1.013	12	0.8	0.865	0.063	0.0021	
60 minute summer	12	1.008	16	1.6	0.339	0.029	0.0122	
60 minute summer	13	1.009	16	2.4	0.604	0.090	0.0283	
60 minute summer	14	1.010	16	0.3	0.072	0.008	0.0132	
60 minute summer	15	1.026	16	0.3	0.088	0.025	0.0093	
60 minute summer	16	1.011	19	10.5	1.314	0.509	0.0593	
60 minute summer	17	1.025	18	0.5	0.795	0.042	0.0016	
60 minute summer	18	1.012	19	0.7	0.232	0.014	0.0241	
60 minute summer	19	1.023	28	11.7	2.167	0.218	0.0060	
60 minute summer	20	1.024	19	0.5	0.212	0.037	0.0053	
60 minute summer	21	1.022	22	0.5	0.373	0.101	0.0201	
60 minute summer	22	1.019	23	1.0	0.402	0.054	0.0234	
60 minute summer	23	1.018	24	3.0	0.796	0.048	0.0103	
60 minute summer	24	Flow through pond	26	10.6	0.058	0.002	8.3271	

Results for 30 year 60 minute summer. 300 minute analysis at 1 minute timestep. Mass balance: 4.32%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute summer	25	50	7.793	0.183	5.1	0.0000	0.0000	OK
60 minute summer	26	40	7.784	0.184	10.6	0.0000	0.0000	SURCHARGED
60 minute summer	27	40	7.778	0.203	5.8	0.2300	0.0000	SURCHARGED
60 minute summer	28	51	7.794	0.184	11.7	0.0000	0.0000	OK
60 minute summer	29	31	8.628	0.028	1.6	0.0091	0.0000	OK
60 minute summer	30	31	8.731	0.031	0.8	0.0077	0.0000	OK
60 minute summer	33	40	7.469	0.053	5.8	0.0084	0.0000	OK
60 minute summer	34	40	7.251	0.051	5.8	0.0000	0.0000	OK
60 minute summer	35	31	8.325	0.025	0.8	0.0033	0.0000	OK
60 minute summer	36	31	8.585	0.035	2.9	0.0064	0.0000	OK
60 minute summer	37	31	8.696	0.046	2.1	0.0207	0.0000	OK
60 minute summer	38	31	8.773	0.023	0.8	0.0065	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	25	Flow through pond	26	10.6	0.058	0.002	8.3271	
60 minute summer	26	1.016	27	5.8	0.401	0.397	0.0639	
60 minute summer	27	1.015	33	5.8	0.932	0.333	0.1027	
60 minute summer	28	Flow through pond	26	10.6	0.058	0.002	8.3271	
60 minute summer	29	1.020	23	1.6	0.587	0.075	0.0192	
60 minute summer	30	1.021	29	0.8	0.412	0.198	0.0433	
60 minute summer	33	1.014	34	5.8	1.077	0.247	0.0669	32.6
60 minute summer	35	1.027	12	0.8	0.662	0.120	0.0100	
60 minute summer	36	1.031	25	2.9	0.907	0.122	0.0163	
60 minute summer	37	1.033	36	2.1	0.698	0.413	0.0425	
60 minute summer	38	1.032	37	0.8	0.337	0.113	0.0176	

Results for 30 year 60 minute winter. 300 minute analysis at 1 minute timestep. Mass balance: 49.64%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	1	1	8.300	0.000	1.8	0.0000	0.0000	OK
60 minute winter	2	32	8.353	0.145	1.9	0.0476	0.0000	OK
60 minute winter	3	31	8.415	0.015	0.9	0.0037	0.0000	OK
60 minute winter	4	33	8.282	0.074	3.8	0.0260	0.0000	OK
60 minute winter	5	31	8.413	0.013	0.9	0.0030	0.0000	OK
60 minute winter	6	33	8.257	0.157	9.7	0.1775	0.0000	SURCHARGED
60 minute winter	7	32	8.248	0.048	2.4	0.0081	0.0000	OK
60 minute winter	8	32	8.425	0.025	2.2	0.0101	0.0000	OK
60 minute winter	9	32	8.518	0.018	1.1	0.0055	0.0000	OK
60 minute winter	11	30	8.319	0.019	0.9	0.0025	0.0000	OK
60 minute winter	12	32	8.219	0.019	1.8	0.0030	0.0000	OK
60 minute winter	13	31	8.132	0.032	2.7	0.0103	0.0000	OK
60 minute winter	14	32	8.111	0.011	0.4	0.0023	0.0000	OK
60 minute winter	15	32	8.112	0.012	0.4	0.0005	0.0000	OK
60 minute winter	16	31	8.091	0.091	12.0	0.1028	0.0000	OK
60 minute winter	17	28	8.615	0.015	0.5	0.0021	0.0000	OK
60 minute winter	18	29	8.514	0.012	0.7	0.0023	0.0000	OK
60 minute winter	19	32	7.961	0.061	13.3	0.0096	0.0000	OK
60 minute winter	20	30	8.013	0.013	0.5	0.0007	0.0000	OK
60 minute winter	21	33	8.722	0.022	0.5	0.0032	0.0000	OK
60 minute winter	22	34	8.624	0.024	1.0	0.0062	0.0000	OK
60 minute winter	23	32	8.537	0.037	3.3	0.0086	0.0000	OK
60 minute winter	24	61	7.927	0.317	3.3	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute winter	2	1.000	1	0.0	0.000	0.000	0.0000	0.0
60 minute winter	3	1.001	2	0.9	0.764	0.048	0.0026	
60 minute winter	4	1.002	2	-1.8	-0.299	-0.243	0.0312	
60 minute winter	4	1.029	6	3.8	0.542	0.623	0.0723	
60 minute winter	5	1.003	4	0.9	0.614	0.035	0.0036	
60 minute winter	6	1.028	16	7.1	0.905	1.206	0.0809	
60 minute winter	7	1.004	6	3.6	0.735	0.225	0.0083	
60 minute winter	8	1.005	6	2.2	0.463	0.062	0.0735	
60 minute winter	9	1.006	8	0.6	0.388	0.032	0.0137	
60 minute winter	9	1.030	8	0.5	0.383	0.074	0.0109	
60 minute winter	11	1.013	12	0.9	0.895	0.071	0.0023	
60 minute winter	12	1.008	16	1.8	0.313	0.033	0.0135	
60 minute winter	13	1.009	16	2.7	0.599	0.101	0.0312	
60 minute winter	14	1.010	16	0.4	0.081	0.011	0.0147	
60 minute winter	15	1.026	16	0.4	0.099	0.033	0.0100	
60 minute winter	16	1.011	19	12.1	1.355	0.582	0.0656	
60 minute winter	17	1.025	18	0.5	0.795	0.042	0.0016	
60 minute winter	18	1.012	19	0.7	0.230	0.014	0.0264	
60 minute winter	19	1.023	28	13.3	2.233	0.247	0.0110	
60 minute winter	20	1.024	19	0.5	0.352	0.037	0.0058	
60 minute winter	21	1.022	22	0.5	0.374	0.103	0.0204	
60 minute winter	22	1.019	23	1.0	0.404	0.055	0.0245	
60 minute winter	23	1.018	24	3.3	0.817	0.052	0.0110	
60 minute winter	24	Flow through pond	26	12.7	0.062	0.003	14.8616	

Results for 30 year 60 minute winter. 300 minute analysis at 1 minute timestep. Mass balance: 49.64%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	25	61	7.927	0.317	3.2	0.0000	0.0000	OK
60 minute winter	26	45	7.924	0.324	12.7	0.0000	0.0000	SURCHARGED
60 minute winter	27	45	7.918	0.343	6.7	0.3874	0.0000	SURCHARGED
60 minute winter	28	65	7.932	0.322	13.3	0.0000	0.0000	OK
60 minute winter	29	32	8.630	0.030	1.8	0.0098	0.0000	OK
60 minute winter	30	32	8.733	0.033	0.9	0.0082	0.0000	OK
60 minute winter	33	46	7.472	0.056	6.4	0.0089	0.0000	OK
60 minute winter	34	46	7.253	0.053	6.4	0.0000	0.0000	OK
60 minute winter	35	32	8.326	0.026	0.9	0.0035	0.0000	OK
60 minute winter	36	32	8.587	0.037	3.2	0.0068	0.0000	OK
60 minute winter	37	32	8.699	0.049	2.3	0.0218	0.0000	OK
60 minute winter	38	32	8.774	0.024	0.9	0.0069	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	25	Flow through pond	26	12.7	0.062	0.003	14.8616	
60 minute winter	26	1.016	27	6.7	0.455	0.453	0.0639	
60 minute winter	27	1.015	33	6.4	0.955	0.366	0.1103	
60 minute winter	28	Flow through pond	26	12.7	0.062	0.003	14.8616	
60 minute winter	29	1.020	23	1.8	0.620	0.085	0.0208	
60 minute winter	30	1.021	29	0.9	0.428	0.226	0.0477	
60 minute winter	33	1.014	34	6.4	1.104	0.272	0.0717	43.1
60 minute winter	35	1.027	12	0.9	0.687	0.135	0.0108	
60 minute winter	36	1.031	25	3.2	0.936	0.136	0.0176	
60 minute winter	37	1.033	36	2.3	0.717	0.455	0.0456	
60 minute winter	38	1.032	37	0.9	0.351	0.127	0.0189	

Results for 30 year 120 minute summer. 360 minute analysis at 2 minute timestep. Mass balance: 69.78%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute summer	1	2	8.300	0.000	1.0	0.0000	0.0000	OK
120 minute summer	2	62	8.333	0.125	1.0	0.0410	0.0000	OK
120 minute summer	3	62	8.411	0.011	0.5	0.0028	0.0000	OK
120 minute summer	4	62	8.248	0.040	2.1	0.0141	0.0000	OK
120 minute summer	5	62	8.410	0.010	0.5	0.0023	0.0000	OK
120 minute summer	6	62	8.164	0.064	4.0	0.0720	0.0000	OK
120 minute summer	7	62	8.214	0.014	0.7	0.0024	0.0000	OK
120 minute summer	8	62	8.419	0.019	1.2	0.0076	0.0000	OK
120 minute summer	9	62	8.514	0.014	0.6	0.0041	0.0000	OK
120 minute summer	11	62	8.314	0.014	0.5	0.0019	0.0000	OK
120 minute summer	12	62	8.214	0.014	1.0	0.0023	0.0000	OK
120 minute summer	13	62	8.124	0.024	1.5	0.0077	0.0000	OK
120 minute summer	14	62	8.108	0.008	0.2	0.0016	0.0000	OK
120 minute summer	15	64	8.109	0.009	0.2	0.0004	0.0000	OK
120 minute summer	16	62	8.065	0.065	6.9	0.0737	0.0000	OK
120 minute summer	17	60	8.611	0.011	0.3	0.0016	0.0000	OK
120 minute summer	18	62	8.512	0.010	0.4	0.0018	0.0000	OK
120 minute summer	19	62	7.944	0.044	7.6	0.0069	0.0000	OK
120 minute summer	20	62	8.010	0.010	0.3	0.0005	0.0000	OK
120 minute summer	21	64	8.717	0.017	0.3	0.0025	0.0000	OK
120 minute summer	22	64	8.619	0.019	0.6	0.0048	0.0000	OK
120 minute summer	23	62	8.528	0.028	1.9	0.0065	0.0000	OK
120 minute summer	24	84	7.785	0.175	3.9	0.0000	0.0000	OK
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute summer	2	1.000	1	0.0	0.000	0.000	0.0000	0.0
120 minute summer	3	1.001	2	0.5	0.621	0.027	0.0014	
120 minute summer	4	1.002	2	-1.0	-0.178	-0.135	0.0287	
120 minute summer	4	1.029	6	2.1	0.512	0.340	0.0423	
120 minute summer	5	1.003	4	0.5	0.337	0.019	0.0018	
120 minute summer	6	1.028	16	4.0	0.748	0.679	0.0563	
120 minute summer	7	1.004	6	0.7	0.410	0.043	0.0042	
120 minute summer	8	1.005	6	1.2	0.427	0.034	0.0317	
120 minute summer	9	1.006	8	0.3	0.323	0.017	0.0089	
120 minute summer	9	1.030	8	0.3	0.320	0.041	0.0072	
120 minute summer	11	1.013	12	0.5	0.753	0.039	0.0015	
120 minute summer	12	1.008	16	1.0	0.270	0.018	0.0089	
120 minute summer	13	1.009	16	1.5	0.460	0.056	0.0205	
120 minute summer	14	1.010	16	0.2	0.070	0.006	0.0096	
120 minute summer	15	1.026	16	0.2	0.085	0.016	0.0072	
120 minute summer	16	1.011	19	6.9	1.194	0.332	0.0427	
120 minute summer	17	1.025	18	0.3	0.689	0.025	0.0011	
120 minute summer	18	1.012	19	0.4	0.211	0.008	0.0170	
120 minute summer	19	1.023	28	7.6	1.953	0.141	0.0043	
120 minute summer	20	1.024	19	0.3	0.194	0.022	0.0039	
120 minute summer	21	1.022	22	0.3	0.320	0.062	0.0143	
120 minute summer	22	1.019	23	0.6	0.355	0.033	0.0167	
120 minute summer	23	1.018	24	1.9	0.697	0.030	0.0074	
120 minute summer	24	Flow through pond	26	7.6	0.062	0.002	7.7440	

Results for 30 year 120 minute summer. 360 minute analysis at 2 minute timestep. Mass balance: 69.78%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute summer	25	84	7.784	0.174	6.0	0.0000	0.0000	OK
120 minute summer	26	72	7.771	0.171	7.6	0.0000	0.0000	SURCHARGED
120 minute summer	27	72	7.766	0.191	5.5	0.2164	0.0000	SURCHARGED
120 minute summer	28	84	7.788	0.178	7.6	0.0000	0.0000	OK
120 minute summer	29	62	8.622	0.022	1.0	0.0072	0.0000	OK
120 minute summer	30	62	8.724	0.024	0.5	0.0061	0.0000	OK
120 minute summer	33	74	7.467	0.051	5.5	0.0082	0.0000	OK
120 minute summer	34	74	7.249	0.049	5.5	0.0000	0.0000	OK
120 minute summer	35	62	8.319	0.019	0.5	0.0026	0.0000	OK
120 minute summer	36	62	8.578	0.028	1.8	0.0051	0.0000	OK
120 minute summer	37	62	8.686	0.036	1.3	0.0160	0.0000	OK
120 minute summer	38	62	8.768	0.018	0.5	0.0051	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	25	Flow through pond	26	7.6	0.062	0.002	7.7440	
120 minute summer	26	1.016	27	5.5	0.413	0.377	0.0639	
120 minute summer	27	1.015	33	5.5	0.920	0.316	0.0988	
120 minute summer	28	Flow through pond	26	7.6	0.062	0.002	7.7440	
120 minute summer	29	1.020	23	1.0	0.518	0.047	0.0137	
120 minute summer	30	1.021	29	0.5	0.361	0.125	0.0312	
120 minute summer	33	1.014	34	5.5	1.062	0.235	0.0644	26.7
120 minute summer	35	1.027	12	0.5	0.576	0.075	0.0072	
120 minute summer	36	1.031	25	1.8	0.791	0.076	0.0117	
120 minute summer	37	1.033	36	1.3	0.607	0.257	0.0304	
120 minute summer	38	1.032	37	0.5	0.297	0.070	0.0125	

Results for 30 year 120 minute winter. 360 minute analysis at 2 minute timestep. Mass balance: 83.31%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute winter	1	2	8.300	0.000	1.1	0.0000	0.0000	OK
120 minute winter	2	62	8.333	0.125	1.0	0.0410	0.0000	OK
120 minute winter	3	58	8.411	0.011	0.5	0.0028	0.0000	OK
120 minute winter	4	62	8.249	0.041	2.2	0.0145	0.0000	OK
120 minute winter	5	56	8.410	0.010	0.5	0.0023	0.0000	OK
120 minute winter	6	62	8.168	0.068	4.4	0.0772	0.0000	OK
120 minute winter	7	62	8.215	0.015	0.8	0.0026	0.0000	OK
120 minute winter	8	62	8.420	0.020	1.4	0.0081	0.0000	OK
120 minute winter	9	62	8.515	0.015	0.7	0.0045	0.0000	OK
120 minute winter	11	56	8.314	0.014	0.5	0.0019	0.0000	OK
120 minute winter	12	60	8.214	0.014	1.0	0.0023	0.0000	OK
120 minute winter	13	60	8.125	0.025	1.6	0.0080	0.0000	OK
120 minute winter	14	54	8.108	0.008	0.2	0.0016	0.0000	OK
120 minute winter	15	54	8.109	0.009	0.2	0.0004	0.0000	OK
120 minute winter	16	62	8.068	0.068	7.4	0.0768	0.0000	OK
120 minute winter	17	54	8.611	0.011	0.3	0.0016	0.0000	OK
120 minute winter	18	56	8.512	0.010	0.4	0.0018	0.0000	OK
120 minute winter	19	62	7.945	0.045	8.1	0.0072	0.0000	OK
120 minute winter	20	58	8.010	0.010	0.3	0.0005	0.0000	OK
120 minute winter	21	62	8.717	0.017	0.3	0.0025	0.0000	OK
120 minute winter	22	64	8.619	0.019	0.6	0.0048	0.0000	OK
120 minute winter	23	64	8.528	0.028	1.9	0.0065	0.0000	OK
120 minute winter	24	82	7.870	0.260	5.0	0.0000	0.0000	OK
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute winter	2	1.000	1	0.0	0.000	0.000	0.0000	0.0
120 minute winter	3	1.001	2	0.5	0.621	0.027	0.0014	
120 minute winter	4	1.002	2	-1.0	-0.178	-0.135	0.0287	
120 minute winter	4	1.029	6	2.2	0.512	0.356	0.0451	
120 minute winter	5	1.003	4	0.5	0.392	0.019	0.0018	
120 minute winter	6	1.028	16	4.4	0.774	0.749	0.0600	
120 minute winter	7	1.004	6	0.8	0.655	0.050	0.0046	
120 minute winter	8	1.005	6	1.4	0.489	0.039	0.0348	
120 minute winter	9	1.006	8	0.4	0.338	0.020	0.0100	
120 minute winter	9	1.030	8	0.3	0.335	0.047	0.0080	
120 minute winter	11	1.013	12	0.5	0.753	0.039	0.0015	
120 minute winter	12	1.008	16	1.0	0.272	0.018	0.0093	
120 minute winter	13	1.009	16	1.6	0.367	0.060	0.0216	
120 minute winter	14	1.010	16	0.2	0.074	0.006	0.0101	
120 minute winter	15	1.026	16	0.2	0.090	0.016	0.0075	
120 minute winter	16	1.011	19	7.4	1.217	0.357	0.0451	
120 minute winter	17	1.025	18	0.3	0.689	0.025	0.0011	
120 minute winter	18	1.012	19	0.4	0.211	0.008	0.0178	
120 minute winter	19	1.023	28	8.1	1.985	0.151	0.0063	
120 minute winter	20	1.024	19	0.3	0.208	0.022	0.0040	
120 minute winter	21	1.022	22	0.3	0.320	0.062	0.0143	
120 minute winter	22	1.019	23	0.6	0.355	0.033	0.0168	
120 minute winter	23	1.018	24	1.9	0.698	0.030	0.0074	
120 minute winter	24	Flow through pond	26	8.8	0.047	0.002	12.3331	

Results for 30 year 120 minute winter. 360 minute analysis at 2 minute timestep. Mass balance: 83.31%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute winter	25	82	7.870	0.260	5.0	0.0000	0.0000	OK
120 minute winter	26	82	7.870	0.270	8.8	0.0000	0.0000	SURCHARGED
120 minute winter	27	82	7.863	0.288	6.4	0.3263	0.0000	SURCHARGED
120 minute winter	28	80	7.872	0.262	8.1	0.0000	0.0000	OK
120 minute winter	29	64	8.622	0.022	1.0	0.0073	0.0000	OK
120 minute winter	30	66	8.724	0.024	0.5	0.0061	0.0000	OK
120 minute winter	33	82	7.471	0.055	6.3	0.0088	0.0000	OK
120 minute winter	34	82	7.253	0.053	6.3	0.0000	0.0000	OK
120 minute winter	35	62	8.319	0.019	0.5	0.0026	0.0000	OK
120 minute winter	36	62	8.579	0.029	1.9	0.0052	0.0000	OK
120 minute winter	37	62	8.687	0.037	1.4	0.0167	0.0000	OK
120 minute winter	38	60	8.768	0.018	0.5	0.0051	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	25	Flow through pond	26	8.8	0.047	0.002	12.3331	
120 minute winter	26	1.016	27	6.4	0.379	0.433	0.0639	
120 minute winter	27	1.015	33	6.3	0.951	0.361	0.1090	
120 minute winter	28	Flow through pond	26	8.8	0.047	0.002	12.3331	
120 minute winter	29	1.020	23	1.0	0.519	0.048	0.0138	
120 minute winter	30	1.021	29	0.5	0.362	0.126	0.0313	
120 minute winter	33	1.014	34	6.3	1.100	0.268	0.0709	40.0
120 minute winter	35	1.027	12	0.5	0.576	0.075	0.0072	
120 minute winter	36	1.031	25	1.9	0.804	0.081	0.0122	
120 minute winter	37	1.033	36	1.4	0.624	0.277	0.0319	
120 minute winter	38	1.032	37	0.5	0.297	0.070	0.0130	

Results for 30 year 180 minute summer. 420 minute analysis at 4 minute timestep. Mass balance: 0.79%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute summer	1	4	8.300	0.000	0.7	0.0000	0.0000	OK
180 minute summer	2	92	8.327	0.119	0.8	0.0391	0.0000	OK
180 minute summer	3	92	8.410	0.010	0.4	0.0025	0.0000	OK
180 minute summer	4	92	8.242	0.034	1.6	0.0120	0.0000	OK
180 minute summer	5	92	8.409	0.009	0.4	0.0020	0.0000	OK
180 minute summer	6	92	8.150	0.050	2.8	0.0569	0.0000	OK
180 minute summer	7	92	8.212	0.012	0.5	0.0020	0.0000	OK
180 minute summer	8	96	8.416	0.016	0.8	0.0062	0.0000	OK
180 minute summer	9	92	8.511	0.011	0.4	0.0034	0.0000	OK
180 minute summer	11	92	8.312	0.012	0.4	0.0017	0.0000	OK
180 minute summer	12	92	8.213	0.013	0.8	0.0020	0.0000	OK
180 minute summer	13	92	8.121	0.021	1.1	0.0066	0.0000	OK
180 minute summer	14	80	8.106	0.006	0.1	0.0012	0.0000	OK
180 minute summer	15	84	8.107	0.007	0.1	0.0003	0.0000	OK
180 minute summer	16	92	8.054	0.054	4.9	0.0606	0.0000	OK
180 minute summer	17	88	8.609	0.009	0.2	0.0013	0.0000	OK
180 minute summer	18	88	8.510	0.008	0.3	0.0015	0.0000	OK
180 minute summer	19	92	7.936	0.036	5.3	0.0057	0.0000	OK
180 minute summer	20	92	8.009	0.009	0.2	0.0004	0.0000	OK
180 minute summer	21	96	8.714	0.014	0.2	0.0021	0.0000	OK
180 minute summer	22	96	8.615	0.015	0.4	0.0040	0.0000	OK
180 minute summer	23	92	8.523	0.023	1.4	0.0055	0.0000	OK
180 minute summer	24	104	7.752	0.142	1.3	0.0000	0.0000	OK
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute summer	2	1.000	1	0.0	0.000	0.000	0.0000	0.0
180 minute summer	3	1.001	2	0.4	0.621	0.021	0.0011	
180 minute summer	4	1.002	2	-0.8	-0.140	-0.104	0.0279	
180 minute summer	4	1.029	6	1.5	0.491	0.249	0.0325	
180 minute summer	5	1.003	4	0.4	0.324	0.015	0.0014	
180 minute summer	6	1.028	16	2.8	0.678	0.474	0.0434	
180 minute summer	7	1.004	6	0.5	0.656	0.031	0.0032	
180 minute summer	8	1.005	6	0.8	0.298	0.022	0.0232	
180 minute summer	9	1.006	8	0.2	0.285	0.012	0.0067	
180 minute summer	9	1.030	8	0.2	0.283	0.027	0.0054	
180 minute summer	11	1.013	12	0.4	0.704	0.031	0.0013	
180 minute summer	12	1.008	16	0.8	0.268	0.014	0.0069	
180 minute summer	13	1.009	16	1.1	0.344	0.041	0.0159	
180 minute summer	14	1.010	16	0.1	0.069	0.003	0.0073	
180 minute summer	15	1.026	16	0.1	0.085	0.008	0.0056	
180 minute summer	16	1.011	19	4.8	1.095	0.232	0.0326	
180 minute summer	17	1.025	18	0.2	0.595	0.017	0.0009	
180 minute summer	18	1.012	19	0.3	0.210	0.006	0.0129	
180 minute summer	19	1.023	28	5.3	1.785	0.098	0.0033	
180 minute summer	20	1.024	19	0.2	0.189	0.015	0.0029	
180 minute summer	21	1.022	22	0.2	0.283	0.041	0.0108	
180 minute summer	22	1.019	23	0.4	0.315	0.022	0.0129	
180 minute summer	23	1.018	24	1.3	0.630	0.021	0.0058	
180 minute summer	24	Flow through pond	26	7.0	0.040	0.002	6.8456	

Results for 30 year 180 minute summer. 420 minute analysis at 4 minute timestep. Mass balance: 0.79%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute summer	25	104	7.752	0.142	1.4	0.0000	0.0000	OK
180 minute summer	26	104	7.752	0.152	7.0	0.0000	0.0000	SURCHARGED
180 minute summer	27	104	7.748	0.173	4.9	0.1958	0.0000	SURCHARGED
180 minute summer	28	104	7.754	0.144	5.7	0.0000	0.0000	OK
180 minute summer	29	92	8.619	0.019	0.8	0.0063	0.0000	OK
180 minute summer	30	92	8.721	0.021	0.4	0.0053	0.0000	OK
180 minute summer	33	104	7.464	0.048	4.9	0.0077	0.0000	OK
180 minute summer	34	104	7.247	0.047	4.9	0.0000	0.0000	OK
180 minute summer	35	92	8.317	0.017	0.4	0.0023	0.0000	OK
180 minute summer	36	92	8.574	0.024	1.4	0.0044	0.0000	OK
180 minute summer	37	92	8.680	0.030	1.0	0.0137	0.0000	OK
180 minute summer	38	92	8.766	0.016	0.4	0.0046	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	25	Flow through pond	26	7.0	0.040	0.002	6.8456	
180 minute summer	26	1.016	27	4.9	0.397	0.336	0.0639	
180 minute summer	27	1.015	33	4.9	0.894	0.282	0.0907	
180 minute summer	28	Flow through pond	26	7.0	0.040	0.002	6.8456	
180 minute summer	29	1.020	23	0.8	0.490	0.036	0.0110	
180 minute summer	30	1.021	29	0.4	0.332	0.095	0.0258	
180 minute summer	33	1.014	34	4.9	1.030	0.209	0.0591	41.5
180 minute summer	35	1.027	12	0.4	0.534	0.058	0.0060	
180 minute summer	36	1.031	25	1.3	0.724	0.057	0.0095	
180 minute summer	37	1.033	36	1.0	0.554	0.190	0.0247	
180 minute summer	38	1.032	37	0.4	0.283	0.055	0.0102	

Results for 30 year 180 minute winter. 420 minute analysis at 4 minute timestep. Mass balance: 52.34%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute winter	1	4	8.300	0.000	0.8	0.0000	0.0000	OK
180 minute winter	2	92	8.328	0.120	0.8	0.0393	0.0000	OK
180 minute winter	3	88	8.410	0.010	0.4	0.0025	0.0000	OK
180 minute winter	4	92	8.244	0.036	1.7	0.0126	0.0000	OK
180 minute winter	5	88	8.409	0.009	0.4	0.0020	0.0000	OK
180 minute winter	6	96	8.156	0.056	3.3	0.0633	0.0000	OK
180 minute winter	7	92	8.213	0.013	0.6	0.0022	0.0000	OK
180 minute winter	8	92	8.417	0.017	1.0	0.0069	0.0000	OK
180 minute winter	9	92	8.513	0.013	0.5	0.0038	0.0000	OK
180 minute winter	11	88	8.312	0.012	0.4	0.0017	0.0000	OK
180 minute winter	12	92	8.213	0.013	0.8	0.0020	0.0000	OK
180 minute winter	13	92	8.122	0.022	1.2	0.0069	0.0000	OK
180 minute winter	14	92	8.108	0.008	0.2	0.0016	0.0000	OK
180 minute winter	15	92	8.109	0.009	0.2	0.0004	0.0000	OK
180 minute winter	16	96	8.059	0.059	5.7	0.0665	0.0000	OK
180 minute winter	17	76	8.609	0.009	0.2	0.0013	0.0000	OK
180 minute winter	18	76	8.510	0.008	0.3	0.0015	0.0000	OK
180 minute winter	19	96	7.939	0.039	6.2	0.0062	0.0000	OK
180 minute winter	20	80	8.009	0.009	0.2	0.0004	0.0000	OK
180 minute winter	21	84	8.714	0.014	0.2	0.0021	0.0000	OK
180 minute winter	22	88	8.615	0.015	0.4	0.0040	0.0000	OK
180 minute winter	23	96	8.524	0.024	1.4	0.0056	0.0000	OK
180 minute winter	24	112	7.821	0.211	1.9	0.0000	0.0000	OK
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute winter	2	1.000	1	0.0	0.000	0.000	0.0000	0.0
180 minute winter	3	1.001	2	0.4	0.621	0.021	0.0012	
180 minute winter	4	1.002	2	-0.8	-0.146	-0.108	0.0280	
180 minute winter	4	1.029	6	1.7	0.491	0.275	0.0363	
180 minute winter	5	1.003	4	0.4	0.358	0.015	0.0015	
180 minute winter	6	1.028	16	3.3	0.710	0.562	0.0491	
180 minute winter	7	1.004	6	0.6	0.648	0.037	0.0037	
180 minute winter	8	1.005	6	1.0	0.300	0.028	0.0269	
180 minute winter	9	1.006	8	0.3	0.304	0.014	0.0079	
180 minute winter	9	1.030	8	0.2	0.303	0.034	0.0063	
180 minute winter	11	1.013	12	0.4	0.704	0.031	0.0013	
180 minute winter	12	1.008	16	0.8	0.268	0.015	0.0077	
180 minute winter	13	1.009	16	1.2	0.448	0.045	0.0178	
180 minute winter	14	1.010	16	0.2	0.069	0.006	0.0084	
180 minute winter	15	1.026	16	0.2	0.086	0.016	0.0064	
180 minute winter	16	1.011	19	5.7	1.146	0.275	0.0369	
180 minute winter	17	1.025	18	0.2	0.595	0.017	0.0009	
180 minute winter	18	1.012	19	0.3	0.211	0.006	0.0144	
180 minute winter	19	1.023	28	6.2	1.860	0.115	0.0037	
180 minute winter	20	1.024	19	0.2	0.189	0.015	0.0033	
180 minute winter	21	1.022	22	0.2	0.283	0.041	0.0108	
180 minute winter	22	1.019	23	0.4	0.315	0.022	0.0132	
180 minute winter	23	1.018	24	1.4	0.639	0.022	0.0060	
180 minute winter	24	Flow through pond	26	7.4	0.038	0.002	10.0302	

Results for 30 year 180 minute winter. 420 minute analysis at 4 minute timestep. Mass balance: 52.34%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute winter	25	112	7.821	0.211	2.1	0.0000	0.0000	OK
180 minute winter	26	112	7.820	0.220	7.4	0.0000	0.0000	SURCHARGED
180 minute winter	27	112	7.814	0.239	6.1	0.2707	0.0000	SURCHARGED
180 minute winter	28	112	7.822	0.212	6.2	0.0000	0.0000	OK
180 minute winter	29	96	8.620	0.020	0.8	0.0065	0.0000	OK
180 minute winter	30	96	8.722	0.022	0.4	0.0054	0.0000	OK
180 minute winter	33	116	7.470	0.054	6.1	0.0086	0.0000	OK
180 minute winter	34	116	7.252	0.052	6.1	0.0000	0.0000	OK
180 minute winter	35	92	8.317	0.017	0.4	0.0024	0.0000	OK
180 minute winter	36	92	8.575	0.025	1.4	0.0045	0.0000	OK
180 minute winter	37	92	8.681	0.031	1.0	0.0140	0.0000	OK
180 minute winter	38	92	8.766	0.016	0.4	0.0046	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	25	Flow through pond	26	7.4	0.038	0.002	10.0302	
180 minute winter	26	1.016	27	6.1	0.354	0.415	0.0639	
180 minute winter	27	1.015	33	6.1	0.943	0.348	0.1062	
180 minute winter	28	Flow through pond	26	7.4	0.038	0.002	10.0302	
180 minute winter	29	1.020	23	0.8	0.502	0.038	0.0114	
180 minute winter	30	1.021	29	0.4	0.338	0.101	0.0268	
180 minute winter	33	1.014	34	6.1	1.090	0.259	0.0691	54.9
180 minute winter	35	1.027	12	0.4	0.538	0.060	0.0061	
180 minute winter	36	1.031	25	1.4	0.734	0.059	0.0098	
180 minute winter	37	1.033	36	1.0	0.560	0.198	0.0254	
180 minute winter	38	1.032	37	0.4	0.285	0.056	0.0105	

Results for 30 year 240 minute summer. 480 minute analysis at 4 minute timestep. Mass balance: -10.53%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute summer	1	4	8.300	0.000	0.6	0.0000	0.0000	OK
240 minute summer	2	124	8.323	0.115	0.6	0.0377	0.0000	OK
240 minute summer	3	120	8.409	0.009	0.3	0.0022	0.0000	OK
240 minute summer	4	124	8.238	0.030	1.2	0.0105	0.0000	OK
240 minute summer	5	120	8.408	0.008	0.3	0.0018	0.0000	OK
240 minute summer	6	128	8.144	0.044	2.2	0.0493	0.0000	OK
240 minute summer	7	120	8.211	0.011	0.4	0.0019	0.0000	OK
240 minute summer	8	120	8.414	0.014	0.6	0.0054	0.0000	OK
240 minute summer	9	120	8.510	0.010	0.3	0.0030	0.0000	OK
240 minute summer	11	120	8.311	0.011	0.3	0.0015	0.0000	OK
240 minute summer	12	124	8.211	0.011	0.6	0.0018	0.0000	OK
240 minute summer	13	124	8.119	0.019	0.9	0.0060	0.0000	OK
240 minute summer	14	108	8.106	0.006	0.1	0.0012	0.0000	OK
240 minute summer	15	112	8.107	0.007	0.1	0.0003	0.0000	OK
240 minute summer	16	124	8.048	0.048	3.9	0.0542	0.0000	OK
240 minute summer	17	120	8.609	0.009	0.2	0.0013	0.0000	OK
240 minute summer	18	120	8.510	0.008	0.3	0.0015	0.0000	OK
240 minute summer	19	124	7.932	0.032	4.4	0.0051	0.0000	OK
240 minute summer	20	124	8.009	0.009	0.2	0.0004	0.0000	OK
240 minute summer	21	128	8.714	0.014	0.2	0.0021	0.0000	OK
240 minute summer	22	128	8.615	0.015	0.4	0.0040	0.0000	OK
240 minute summer	23	128	8.522	0.022	1.2	0.0052	0.0000	OK
240 minute summer	24	136	7.742	0.132	2.4	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute summer	2	1.000	1	0.0	0.000	0.000	0.0000	0.0
240 minute summer	3	1.001	2	0.3	0.621	0.016	0.0009	
240 minute summer	4	1.002	2	-0.6	-0.112	-0.081	0.0273	
240 minute summer	4	1.029	6	1.2	0.461	0.194	0.0270	
240 minute summer	5	1.003	4	0.3	0.316	0.012	0.0012	
240 minute summer	6	1.028	16	2.2	0.636	0.375	0.0369	
240 minute summer	7	1.004	6	0.4	0.656	0.025	0.0027	
240 minute summer	8	1.005	6	0.6	0.287	0.017	0.0190	
240 minute summer	9	1.006	8	0.2	0.258	0.009	0.0055	
240 minute summer	9	1.030	8	0.1	0.261	0.021	0.0045	
240 minute summer	11	1.013	12	0.3	0.647	0.024	0.0011	
240 minute summer	12	1.008	16	0.6	0.249	0.011	0.0059	
240 minute summer	13	1.009	16	0.9	0.344	0.034	0.0137	
240 minute summer	14	1.010	16	0.1	0.069	0.003	0.0063	
240 minute summer	15	1.026	16	0.1	0.085	0.008	0.0049	
240 minute summer	16	1.011	19	3.9	1.034	0.188	0.0281	
240 minute summer	17	1.025	18	0.2	0.595	0.017	0.0009	
240 minute summer	18	1.012	19	0.3	0.214	0.006	0.0114	
240 minute summer	19	1.023	28	4.4	1.705	0.082	0.0029	
240 minute summer	20	1.024	19	0.2	0.185	0.015	0.0026	
240 minute summer	21	1.022	22	0.2	0.283	0.041	0.0108	
240 minute summer	22	1.019	23	0.4	0.315	0.022	0.0123	
240 minute summer	23	1.018	24	1.2	0.611	0.019	0.0053	
240 minute summer	24	Flow through pond	26	5.4	0.055	0.001	6.3544	

Results for 30 year 240 minute summer. 480 minute analysis at 4 minute timestep. Mass balance: -10.53%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute summer	25	136	7.742	0.132	1.1	0.0000	0.0000	OK
240 minute summer	26	136	7.742	0.142	5.4	0.0000	0.0000	OK
240 minute summer	27	136	7.738	0.163	4.6	0.1848	0.0000	SURCHARGED
240 minute summer	28	136	7.743	0.133	4.4	0.0000	0.0000	OK
240 minute summer	29	128	8.617	0.017	0.6	0.0057	0.0000	OK
240 minute summer	30	128	8.719	0.019	0.3	0.0047	0.0000	OK
240 minute summer	33	140	7.463	0.046	4.6	0.0074	0.0000	OK
240 minute summer	34	140	7.245	0.045	4.6	0.0000	0.0000	OK
240 minute summer	35	124	8.315	0.015	0.3	0.0020	0.0000	OK
240 minute summer	36	124	8.572	0.022	1.1	0.0040	0.0000	OK
240 minute summer	37	124	8.678	0.028	0.8	0.0125	0.0000	OK
240 minute summer	38	124	8.764	0.014	0.3	0.0040	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	25	Flow through pond	26	5.4	0.055	0.001	6.3544	
240 minute summer	26	1.016	27	4.6	0.295	0.313	0.0632	
240 minute summer	27	1.015	33	4.6	0.877	0.263	0.0860	
240 minute summer	28	Flow through pond	26	5.4	0.055	0.001	6.3544	
240 minute summer	29	1.020	23	0.6	0.438	0.029	0.0098	
240 minute summer	30	1.021	29	0.3	0.310	0.075	0.0220	
240 minute summer	33	1.014	34	4.6	1.010	0.195	0.0561	45.2
240 minute summer	35	1.027	12	0.3	0.494	0.045	0.0050	
240 minute summer	36	1.031	25	1.1	0.684	0.047	0.0083	
240 minute summer	37	1.033	36	0.8	0.527	0.158	0.0216	
240 minute summer	38	1.032	37	0.3	0.270	0.042	0.0088	

Results for 30 year 240 minute winter. 480 minute analysis at 4 minute timestep. Mass balance: 54.03%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute winter	1	4	8.300	0.000	0.6	0.0000	0.0000	OK
240 minute winter	2	112	8.323	0.115	0.6	0.0377	0.0000	OK
240 minute winter	3	108	8.409	0.009	0.3	0.0022	0.0000	OK
240 minute winter	4	116	8.239	0.031	1.3	0.0110	0.0000	OK
240 minute winter	5	108	8.408	0.008	0.3	0.0018	0.0000	OK
240 minute winter	6	124	8.148	0.048	2.6	0.0545	0.0000	OK
240 minute winter	7	124	8.212	0.012	0.5	0.0021	0.0000	OK
240 minute winter	8	120	8.416	0.016	0.8	0.0062	0.0000	OK
240 minute winter	9	120	8.511	0.011	0.4	0.0034	0.0000	OK
240 minute winter	11	108	8.311	0.011	0.3	0.0015	0.0000	OK
240 minute winter	12	112	8.211	0.011	0.6	0.0018	0.0000	OK
240 minute winter	13	124	8.120	0.020	1.0	0.0064	0.0000	OK
240 minute winter	14	84	8.106	0.006	0.1	0.0012	0.0000	OK
240 minute winter	15	88	8.107	0.007	0.1	0.0003	0.0000	OK
240 minute winter	16	124	8.051	0.051	4.4	0.0578	0.0000	OK
240 minute winter	17	108	8.609	0.009	0.2	0.0013	0.0000	OK
240 minute winter	18	108	8.510	0.008	0.3	0.0015	0.0000	OK
240 minute winter	19	124	7.934	0.034	4.9	0.0054	0.0000	OK
240 minute winter	20	112	8.009	0.009	0.2	0.0004	0.0000	OK
240 minute winter	21	116	8.714	0.014	0.2	0.0021	0.0000	OK
240 minute winter	22	120	8.615	0.015	0.4	0.0040	0.0000	OK
240 minute winter	23	120	8.522	0.022	1.2	0.0052	0.0000	OK
240 minute winter	24	144	7.790	0.180	1.2	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute winter	2	1.000	1	0.0	0.000	0.000	0.0000	0.0
240 minute winter	3	1.001	2	0.3	0.621	0.016	0.0009	
240 minute winter	4	1.002	2	-0.6	-0.112	-0.081	0.0273	
240 minute winter	4	1.029	6	1.3	0.463	0.210	0.0300	
240 minute winter	5	1.003	4	0.3	0.316	0.012	0.0012	
240 minute winter	6	1.028	16	2.6	0.671	0.443	0.0410	
240 minute winter	7	1.004	6	0.5	0.656	0.031	0.0031	
240 minute winter	8	1.005	6	0.8	0.300	0.022	0.0021	
240 minute winter	9	1.006	8	0.2	0.285	0.012	0.0067	
240 minute winter	9	1.030	8	0.2	0.283	0.027	0.0054	
240 minute winter	11	1.013	12	0.3	0.647	0.024	0.0011	
240 minute winter	12	1.008	16	0.6	0.249	0.011	0.0064	
240 minute winter	13	1.009	16	1.0	0.455	0.038	0.0149	
240 minute winter	14	1.010	16	0.1	0.074	0.003	0.0069	
240 minute winter	15	1.026	16	0.1	0.091	0.008	0.0053	
240 minute winter	16	1.011	19	4.4	1.069	0.212	0.0306	
240 minute winter	17	1.025	18	0.2	0.595	0.017	0.0009	
240 minute winter	18	1.012	19	0.3	0.215	0.006	0.0122	
240 minute winter	19	1.023	28	4.9	1.753	0.091	0.0031	
240 minute winter	20	1.024	19	0.2	0.189	0.015	0.0028	
240 minute winter	21	1.022	22	0.2	0.283	0.041	0.0108	
240 minute winter	22	1.019	23	0.4	0.315	0.022	0.0123	
240 minute winter	23	1.018	24	1.2	0.611	0.019	0.0053	
240 minute winter	24	Flow through pond	26	6.5	0.055	0.002	8.5789	

Results for 30 year 240 minute winter. 480 minute analysis at 4 minute timestep. Mass balance: 54.03%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute winter	25	144	7.790	0.180	4.7	0.0000	0.0000	OK
240 minute winter	26	144	7.789	0.189	6.5	0.0000	0.0000	SURCHARGED
240 minute winter	27	144	7.784	0.209	5.9	0.2360	0.0000	SURCHARGED
240 minute winter	28	144	7.791	0.181	4.9	0.0000	0.0000	OK
240 minute winter	29	120	8.617	0.017	0.6	0.0057	0.0000	OK
240 minute winter	30	116	8.719	0.019	0.3	0.0047	0.0000	OK
240 minute winter	33	144	7.469	0.053	5.9	0.0085	0.0000	OK
240 minute winter	34	144	7.251	0.051	5.9	0.0000	0.0000	OK
240 minute winter	35	112	8.315	0.015	0.3	0.0020	0.0000	OK
240 minute winter	36	116	8.572	0.022	1.1	0.0040	0.0000	OK
240 minute winter	37	116	8.678	0.028	0.8	0.0125	0.0000	OK
240 minute winter	38	112	8.764	0.014	0.3	0.0040	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	25	Flow through pond	26	6.5	0.055	0.002	8.5789	
240 minute winter	26	1.016	27	5.9	0.333	0.399	0.0639	
240 minute winter	27	1.015	33	5.9	0.934	0.336	0.1033	
240 minute winter	28	Flow through pond	26	6.5	0.055	0.002	8.5789	
240 minute winter	29	1.020	23	0.6	0.438	0.029	0.0098	
240 minute winter	30	1.021	29	0.3	0.310	0.075	0.0220	
240 minute winter	33	1.014	34	5.9	1.079	0.249	0.0673	60.7
240 minute winter	35	1.027	12	0.3	0.494	0.045	0.0050	
240 minute winter	36	1.031	25	1.1	0.684	0.047	0.0083	
240 minute winter	37	1.033	36	0.8	0.527	0.158	0.0216	
240 minute winter	38	1.032	37	0.3	0.269	0.042	0.0088	

Results for 30 year 360 minute summer. 600 minute analysis at 8 minute timestep. Mass balance: -29.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute summer	1	8	8.300	0.000	0.4	0.0000	0.0000	OK
360 minute summer	2	176	8.318	0.110	0.4	0.0360	0.0000	OK
360 minute summer	3	176	8.407	0.007	0.2	0.0018	0.0000	OK
360 minute summer	4	184	8.234	0.026	0.9	0.0091	0.0000	OK
360 minute summer	5	176	8.406	0.006	0.2	0.0015	0.0000	OK
360 minute summer	6	184	8.138	0.038	1.8	0.0434	0.0000	OK
360 minute summer	7	184	8.210	0.010	0.3	0.0016	0.0000	OK
360 minute summer	8	184	8.413	0.013	0.6	0.0054	0.0000	OK
360 minute summer	9	184	8.510	0.010	0.3	0.0030	0.0000	OK
360 minute summer	11	176	8.309	0.009	0.2	0.0012	0.0000	OK
360 minute summer	12	176	8.209	0.009	0.4	0.0015	0.0000	OK
360 minute summer	13	184	8.117	0.017	0.7	0.0054	0.0000	OK
360 minute summer	14	168	8.106	0.006	0.1	0.0012	0.0000	OK
360 minute summer	15	168	8.107	0.007	0.1	0.0003	0.0000	OK
360 minute summer	16	184	8.042	0.042	3.1	0.0477	0.0000	OK
360 minute summer	17	160	8.607	0.007	0.1	0.0010	0.0000	OK
360 minute summer	18	160	8.507	0.005	0.1	0.0009	0.0000	OK
360 minute summer	19	184	7.927	0.027	3.2	0.0043	0.0000	OK
360 minute summer	20	160	8.006	0.006	0.1	0.0003	0.0000	OK
360 minute summer	21	168	8.710	0.010	0.1	0.0015	0.0000	OK
360 minute summer	22	176	8.611	0.011	0.2	0.0029	0.0000	OK
360 minute summer	23	184	8.517	0.017	0.7	0.0040	0.0000	OK
360 minute summer	24	200	7.719	0.109	7.4	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute summer	2	1.000	1	0.0	0.000	0.000	0.0000	0.0
360 minute summer	3	1.001	2	0.2	0.611	0.011	0.0006	
360 minute summer	4	1.002	2	-0.4	-0.077	-0.054	0.0274	
360 minute summer	4	1.029	6	0.9	0.424	0.145	0.0225	
360 minute summer	5	1.003	4	0.2	0.315	0.008	0.0010	
360 minute summer	6	1.028	16	1.8	0.597	0.300	0.0312	
360 minute summer	7	1.004	6	0.3	0.447	0.019	0.0022	
360 minute summer	8	1.005	6	0.6	0.289	0.016	0.0163	
360 minute summer	9	1.006	8	0.2	0.257	0.008	0.0054	
360 minute summer	9	1.030	8	0.1	0.260	0.020	0.0044	
360 minute summer	11	1.013	12	0.2	0.572	0.016	0.0008	
360 minute summer	12	1.008	16	0.4	0.224	0.007	0.0049	
360 minute summer	13	1.009	16	0.7	0.307	0.026	0.0115	
360 minute summer	14	1.010	16	0.1	0.072	0.003	0.0053	
360 minute summer	15	1.026	16	0.1	0.088	0.008	0.0042	
360 minute summer	16	1.011	19	3.0	0.984	0.147	0.0230	
360 minute summer	17	1.025	18	0.1	0.526	0.008	0.0005	
360 minute summer	18	1.012	19	0.1	0.156	0.002	0.0085	
360 minute summer	19	1.023	28	3.2	1.573	0.060	0.0023	
360 minute summer	20	1.024	19	0.1	0.180	0.007	0.0020	
360 minute summer	21	1.022	22	0.1	0.228	0.021	0.0067	
360 minute summer	22	1.019	23	0.2	0.275	0.011	0.0081	
360 minute summer	23	1.018	24	0.7	0.520	0.011	0.0037	
360 minute summer	24	Flow through pond	26	4.2	0.055	0.001	5.2946	

Results for 30 year 360 minute summer. 600 minute analysis at 8 minute timestep. Mass balance: -29.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute summer	25	200	7.719	0.109	7.8	0.0000	0.0000	OK
360 minute summer	26	200	7.719	0.119	4.2	0.0000	0.0000	OK
360 minute summer	27	200	7.717	0.142	3.8	0.1611	0.0000	OK
360 minute summer	28	200	7.720	0.110	3.2	0.0000	0.0000	OK
360 minute summer	29	184	8.614	0.014	0.4	0.0047	0.0000	OK
360 minute summer	30	184	8.715	0.015	0.2	0.0039	0.0000	OK
360 minute summer	33	200	7.458	0.042	3.8	0.0067	0.0000	OK
360 minute summer	34	200	7.241	0.041	3.8	0.0000	0.0000	OK
360 minute summer	35	184	8.312	0.012	0.2	0.0017	0.0000	OK
360 minute summer	36	192	8.568	0.018	0.7	0.0032	0.0000	OK
360 minute summer	37	184	8.672	0.022	0.5	0.0098	0.0000	OK
360 minute summer	38	176	8.762	0.012	0.2	0.0033	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	25	Flow through pond	26	4.2	0.055	0.001	5.2946	
360 minute summer	26	1.016	27	3.8	0.251	0.258	0.0585	
360 minute summer	27	1.015	33	3.8	0.834	0.217	0.0747	
360 minute summer	28	Flow through pond	26	4.2	0.055	0.001	5.2946	
360 minute summer	29	1.020	23	0.4	0.409	0.019	0.0070	
360 minute summer	30	1.021	29	0.2	0.274	0.050	0.0166	
360 minute summer	33	1.014	34	3.8	0.959	0.161	0.0488	51.3
360 minute summer	35	1.027	12	0.2	0.436	0.030	0.0038	
360 minute summer	36	1.031	25	0.7	0.596	0.030	0.0060	
360 minute summer	37	1.033	36	0.5	0.456	0.099	0.0156	
360 minute summer	38	1.032	37	0.2	0.257	0.028	0.0064	

Results for 30 year 360 minute winter. 600 minute analysis at 8 minute timestep. Mass balance: 76.35%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute winter	1	8	8.300	0.000	0.5	0.0000	0.0000	OK
360 minute winter	2	152	8.318	0.110	0.4	0.0360	0.0000	OK
360 minute winter	3	152	8.407	0.007	0.2	0.0018	0.0000	OK
360 minute winter	4	176	8.234	0.026	0.9	0.0091	0.0000	OK
360 minute winter	5	152	8.406	0.006	0.2	0.0015	0.0000	OK
360 minute winter	6	176	8.139	0.039	1.8	0.0439	0.0000	OK
360 minute winter	7	160	8.210	0.010	0.3	0.0016	0.0000	OK
360 minute winter	8	176	8.414	0.014	0.6	0.0054	0.0000	OK
360 minute winter	9	176	8.510	0.010	0.3	0.0030	0.0000	OK
360 minute winter	11	152	8.309	0.009	0.2	0.0012	0.0000	OK
360 minute winter	12	152	8.209	0.009	0.4	0.0015	0.0000	OK
360 minute winter	13	176	8.117	0.017	0.7	0.0054	0.0000	OK
360 minute winter	14	144	8.106	0.006	0.1	0.0012	0.0000	OK
360 minute winter	15	144	8.107	0.007	0.1	0.0003	0.0000	OK
360 minute winter	16	176	8.043	0.043	3.1	0.0482	0.0000	OK
360 minute winter	17	120	8.607	0.007	0.1	0.0010	0.0000	OK
360 minute winter	18	120	8.507	0.005	0.1	0.0009	0.0000	OK
360 minute winter	19	176	7.928	0.028	3.3	0.0044	0.0000	OK
360 minute winter	20	120	8.006	0.006	0.1	0.0003	0.0000	OK
360 minute winter	21	128	8.710	0.010	0.1	0.0015	0.0000	OK
360 minute winter	22	136	8.611	0.011	0.2	0.0029	0.0000	OK
360 minute winter	23	160	8.517	0.017	0.7	0.0040	0.0000	OK
360 minute winter	24	216	7.738	0.128	4.0	0.0000	0.0000	OK
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute winter	2	1.000	1	0.0	0.000	0.000	0.0000	0.0
360 minute winter	3	1.001	2	0.2	0.611	0.011	0.0006	
360 minute winter	4	1.002	2	-0.4	-0.077	-0.054	0.0265	
360 minute winter	4	1.029	6	0.9	0.424	0.146	0.0227	
360 minute winter	5	1.003	4	0.2	0.314	0.008	0.0010	
360 minute winter	6	1.028	16	1.8	0.602	0.307	0.0316	
360 minute winter	7	1.004	6	0.3	0.448	0.019	0.0023	
360 minute winter	8	1.005	6	0.6	0.291	0.017	0.0166	
360 minute winter	9	1.006	8	0.2	0.258	0.009	0.0055	
360 minute winter	9	1.030	8	0.1	0.261	0.021	0.0045	
360 minute winter	11	1.013	12	0.2	0.572	0.016	0.0008	
360 minute winter	12	1.008	16	0.4	0.224	0.007	0.0049	
360 minute winter	13	1.009	16	0.7	0.338	0.026	0.0116	
360 minute winter	14	1.010	16	0.1	0.072	0.003	0.0054	
360 minute winter	15	1.026	16	0.1	0.088	0.008	0.0042	
360 minute winter	16	1.011	19	3.1	0.990	0.150	0.0234	
360 minute winter	17	1.025	18	0.1	0.526	0.008	0.0005	
360 minute winter	18	1.012	19	0.1	0.165	0.002	0.0087	
360 minute winter	19	1.023	28	3.3	1.582	0.061	0.0023	
360 minute winter	20	1.024	19	0.1	0.189	0.007	0.0020	
360 minute winter	21	1.022	22	0.1	0.228	0.021	0.0067	
360 minute winter	22	1.019	23	0.2	0.275	0.011	0.0081	
360 minute winter	23	1.018	24	0.7	0.520	0.011	0.0037	
360 minute winter	24	Flow through pond	26	4.6	0.023	0.001	6.1785	

Results for 30 year 360 minute winter. 600 minute analysis at 8 minute timestep. Mass balance: 76.35%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute winter	25	216	7.738	0.128	4.7	0.0000	0.0000	OK
360 minute winter	26	216	7.738	0.138	4.6	0.0000	0.0000	OK
360 minute winter	27	216	7.735	0.160	4.5	0.1810	0.0000	SURCHARGED
360 minute winter	28	200	7.739	0.129	4.7	0.0000	0.0000	OK
360 minute winter	29	160	8.614	0.014	0.4	0.0047	0.0000	OK
360 minute winter	30	160	8.715	0.015	0.2	0.0039	0.0000	OK
360 minute winter	33	216	7.462	0.046	4.5	0.0073	0.0000	OK
360 minute winter	34	216	7.244	0.044	4.5	0.0000	0.0000	OK
360 minute winter	35	160	8.312	0.012	0.2	0.0017	0.0000	OK
360 minute winter	36	184	8.569	0.019	0.8	0.0035	0.0000	OK
360 minute winter	37	184	8.674	0.024	0.6	0.0108	0.0000	OK
360 minute winter	38	152	8.762	0.012	0.2	0.0033	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	25	Flow through pond	26	4.6	0.023	0.001	6.1785	
360 minute winter	26	1.016	27	4.5	0.254	0.304	0.0627	
360 minute winter	27	1.015	33	4.5	0.871	0.256	0.0844	
360 minute winter	28	Flow through pond	26	4.6	0.023	0.001	6.1785	
360 minute winter	29	1.020	23	0.4	0.409	0.019	0.0070	
360 minute winter	30	1.021	29	0.2	0.274	0.050	0.0166	
360 minute winter	33	1.014	34	4.5	1.004	0.190	0.0551	51.3
360 minute winter	35	1.027	12	0.2	0.436	0.030	0.0038	
360 minute winter	36	1.031	25	0.8	0.621	0.034	0.0066	
360 minute winter	37	1.033	36	0.6	0.487	0.119	0.0175	
360 minute winter	38	1.032	37	0.2	0.233	0.028	0.0071	

Results for 30 year 480 minute summer. 720 minute analysis at 8 minute timestep. Mass balance: -58.57%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute summer	1	8	8.300	0.000	0.3	0.0000	0.0000	OK
480 minute summer	2	248	8.318	0.110	0.4	0.0360	0.0000	OK
480 minute summer	3	248	8.407	0.007	0.2	0.0018	0.0000	OK
480 minute summer	4	248	8.232	0.024	0.8	0.0086	0.0000	OK
480 minute summer	5	248	8.406	0.006	0.2	0.0015	0.0000	OK
480 minute summer	6	248	8.134	0.034	1.4	0.0381	0.0000	OK
480 minute summer	7	224	8.208	0.008	0.2	0.0013	0.0000	OK
480 minute summer	8	232	8.411	0.011	0.4	0.0045	0.0000	OK
480 minute summer	9	232	8.508	0.008	0.2	0.0025	0.0000	OK
480 minute summer	11	248	8.309	0.009	0.2	0.0012	0.0000	OK
480 minute summer	12	248	8.209	0.009	0.4	0.0015	0.0000	OK
480 minute summer	13	248	8.114	0.014	0.5	0.0046	0.0000	OK
480 minute summer	14	232	8.106	0.006	0.1	0.0012	0.0000	OK
480 minute summer	15	232	8.107	0.007	0.1	0.0003	0.0000	OK
480 minute summer	16	248	8.038	0.038	2.5	0.0431	0.0000	OK
480 minute summer	17	216	8.607	0.007	0.1	0.0010	0.0000	OK
480 minute summer	18	216	8.507	0.005	0.1	0.0009	0.0000	OK
480 minute summer	19	248	7.925	0.025	2.7	0.0040	0.0000	OK
480 minute summer	20	216	8.006	0.006	0.1	0.0003	0.0000	OK
480 minute summer	21	224	8.710	0.010	0.1	0.0015	0.0000	OK
480 minute summer	22	232	8.611	0.011	0.2	0.0029	0.0000	OK
480 minute summer	23	248	8.517	0.017	0.7	0.0040	0.0000	OK
480 minute summer	24	272	7.704	0.094	1.5	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute summer	2	1.000	1	0.0	0.000	0.000	0.0000	0.0
480 minute summer	3	1.001	2	0.2	0.611	0.011	0.0006	
480 minute summer	4	1.002	2	-0.4	-0.077	-0.054	0.0265	
480 minute summer	4	1.029	6	0.8	0.426	0.130	0.0195	
480 minute summer	5	1.003	4	0.2	0.315	0.008	0.0009	
480 minute summer	6	1.028	16	1.4	0.554	0.239	0.0267	
480 minute summer	7	1.004	6	0.2	0.447	0.012	0.0019	
480 minute summer	8	1.005	6	0.4	0.279	0.011	0.0134	
480 minute summer	9	1.006	8	0.1	0.231	0.006	0.0042	
480 minute summer	9	1.030	8	0.1	0.229	0.014	0.0034	
480 minute summer	11	1.013	12	0.2	0.572	0.016	0.0008	
480 minute summer	12	1.008	16	0.4	0.224	0.007	0.0043	
480 minute summer	13	1.009	16	0.5	0.338	0.019	0.0098	
480 minute summer	14	1.010	16	0.1	0.074	0.003	0.0047	
480 minute summer	15	1.026	16	0.1	0.091	0.008	0.0037	
480 minute summer	16	1.011	19	2.5	0.932	0.121	0.0200	
480 minute summer	17	1.025	18	0.1	0.526	0.008	0.0005	
480 minute summer	18	1.012	19	0.1	0.163	0.002	0.0075	
480 minute summer	19	1.023	28	2.7	1.499	0.050	0.0020	
480 minute summer	20	1.024	19	0.1	0.187	0.007	0.0018	
480 minute summer	21	1.022	22	0.1	0.228	0.021	0.0067	
480 minute summer	22	1.019	23	0.2	0.275	0.011	0.0081	
480 minute summer	23	1.018	24	0.7	0.520	0.011	0.0037	
480 minute summer	24	Flow through pond	26	4.4	0.019	0.001	4.5675	

Results for 30 year 480 minute summer. 720 minute analysis at 8 minute timestep. Mass balance: -58.57%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute summer	25	264	7.704	0.094	1.1	0.0000	0.0000	OK
480 minute summer	26	264	7.703	0.103	4.4	0.0000	0.0000	OK
480 minute summer	27	256	7.702	0.127	3.2	0.1441	0.0000	OK
480 minute summer	28	264	7.704	0.094	9.2	0.0000	0.0000	OK
480 minute summer	29	248	8.614	0.014	0.4	0.0047	0.0000	OK
480 minute summer	30	248	8.715	0.015	0.2	0.0039	0.0000	OK
480 minute summer	33	256	7.454	0.038	3.2	0.0061	0.0000	OK
480 minute summer	34	256	7.237	0.037	3.2	0.0000	0.0000	OK
480 minute summer	35	248	8.312	0.012	0.2	0.0017	0.0000	OK
480 minute summer	36	248	8.568	0.018	0.7	0.0032	0.0000	OK
480 minute summer	37	248	8.672	0.022	0.5	0.0098	0.0000	OK
480 minute summer	38	248	8.762	0.012	0.2	0.0033	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	25	Flow through pond	26	4.4	0.019	0.001	4.5675	
480 minute summer	26	1.016	27	3.2	0.251	0.218	0.0524	
480 minute summer	27	1.015	33	3.2	0.795	0.181	0.0655	
480 minute summer	28	Flow through pond	26	4.4	0.019	0.001	4.5675	
480 minute summer	29	1.020	23	0.4	0.409	0.019	0.0070	
480 minute summer	30	1.021	29	0.2	0.274	0.050	0.0166	
480 minute summer	33	1.014	34	3.2	0.912	0.134	0.0428	55.3
480 minute summer	35	1.027	12	0.2	0.436	0.030	0.0038	
480 minute summer	36	1.031	25	0.7	0.596	0.030	0.0060	
480 minute summer	37	1.033	36	0.5	0.456	0.099	0.0156	
480 minute summer	38	1.032	37	0.2	0.233	0.028	0.0064	

Results for 30 year 480 minute winter. 720 minute analysis at 8 minute timestep. Mass balance: 71.75%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute winter	1	8	8.300	0.000	0.4	0.0000	0.0000	OK
480 minute winter	2	216	8.318	0.110	0.4	0.0360	0.0000	OK
480 minute winter	3	216	8.407	0.007	0.2	0.0018	0.0000	OK
480 minute winter	4	216	8.232	0.024	0.8	0.0086	0.0000	OK
480 minute winter	5	216	8.406	0.006	0.2	0.0015	0.0000	OK
480 minute winter	6	240	8.135	0.035	1.5	0.0395	0.0000	OK
480 minute winter	7	240	8.210	0.010	0.3	0.0016	0.0000	OK
480 minute winter	8	200	8.411	0.011	0.4	0.0045	0.0000	OK
480 minute winter	9	200	8.508	0.008	0.2	0.0025	0.0000	OK
480 minute winter	11	216	8.309	0.009	0.2	0.0012	0.0000	OK
480 minute winter	12	216	8.209	0.009	0.4	0.0015	0.0000	OK
480 minute winter	13	240	8.116	0.016	0.6	0.0050	0.0000	OK
480 minute winter	14	200	8.106	0.006	0.1	0.0012	0.0000	OK
480 minute winter	15	200	8.107	0.007	0.1	0.0003	0.0000	OK
480 minute winter	16	240	8.040	0.040	2.7	0.0449	0.0000	OK
480 minute winter	17	168	8.607	0.007	0.1	0.0010	0.0000	OK
480 minute winter	18	168	8.507	0.005	0.1	0.0009	0.0000	OK
480 minute winter	19	240	7.926	0.026	2.9	0.0041	0.0000	OK
480 minute winter	20	168	8.006	0.006	0.1	0.0003	0.0000	OK
480 minute winter	21	176	8.710	0.010	0.1	0.0015	0.0000	OK
480 minute winter	22	184	8.611	0.011	0.2	0.0029	0.0000	OK
480 minute winter	23	224	8.517	0.017	0.7	0.0040	0.0000	OK
480 minute winter	24	264	7.726	0.116	3.3	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute winter	2	1.000	1	0.0	0.000	0.000	0.0000	0.0
480 minute winter	3	1.001	2	0.2	0.611	0.011	0.0006	
480 minute winter	4	1.002	2	-0.4	-0.077	-0.054	0.0265	
480 minute winter	4	1.029	6	0.8	0.426	0.130	0.0201	
480 minute winter	5	1.003	4	0.2	0.314	0.008	0.0009	
480 minute winter	6	1.028	16	1.5	0.564	0.256	0.0282	
480 minute winter	7	1.004	6	0.3	0.447	0.019	0.0020	
480 minute winter	8	1.005	6	0.4	0.280	0.011	0.0140	
480 minute winter	9	1.006	8	0.1	0.231	0.006	0.0042	
480 minute winter	9	1.030	8	0.1	0.229	0.014	0.0034	
480 minute winter	11	1.013	12	0.2	0.572	0.016	0.0008	
480 minute winter	12	1.008	16	0.4	0.224	0.007	0.0045	
480 minute winter	13	1.009	16	0.6	0.338	0.023	0.0105	
480 minute winter	14	1.010	16	0.1	0.074	0.003	0.0049	
480 minute winter	15	1.026	16	0.1	0.091	0.008	0.0039	
480 minute winter	16	1.011	19	2.7	0.953	0.130	0.0211	
480 minute winter	17	1.025	18	0.1	0.526	0.008	0.0005	
480 minute winter	18	1.012	19	0.1	0.165	0.002	0.0079	
480 minute winter	19	1.023	28	2.9	1.527	0.054	0.0021	
480 minute winter	20	1.024	19	0.1	0.189	0.007	0.0019	
480 minute winter	21	1.022	22	0.1	0.228	0.021	0.0067	
480 minute winter	22	1.019	23	0.2	0.275	0.011	0.0081	
480 minute winter	23	1.018	24	0.7	0.520	0.011	0.0037	
480 minute winter	24	Flow through pond	26	4.7	0.027	0.001	5.6390	

Results for 30 year 480 minute winter. 720 minute analysis at 8 minute timestep. Mass balance: 71.75%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute winter	25	264	7.726	0.116	2.5	0.0000	0.0000	OK
480 minute winter	26	264	7.726	0.126	4.7	0.0000	0.0000	OK
480 minute winter	27	264	7.724	0.149	4.1	0.1690	0.0000	OK
480 minute winter	28	264	7.727	0.117	2.9	0.0000	0.0000	OK
480 minute winter	29	224	8.614	0.014	0.4	0.0047	0.0000	OK
480 minute winter	30	224	8.715	0.015	0.2	0.0039	0.0000	OK
480 minute winter	33	264	7.460	0.044	4.1	0.0069	0.0000	OK
480 minute winter	34	264	7.242	0.042	4.1	0.0000	0.0000	OK
480 minute winter	35	224	8.312	0.012	0.2	0.0017	0.0000	OK
480 minute winter	36	232	8.568	0.018	0.7	0.0032	0.0000	OK
480 minute winter	37	224	8.672	0.022	0.5	0.0098	0.0000	OK
480 minute winter	38	216	8.762	0.012	0.2	0.0033	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	25	Flow through pond	26	4.7	0.027	0.001	5.6390	
480 minute winter	26	1.016	27	4.1	0.267	0.277	0.0607	
480 minute winter	27	1.015	33	4.1	0.850	0.233	0.0787	
480 minute winter	28	Flow through pond	26	4.7	0.027	0.001	5.6390	
480 minute winter	29	1.020	23	0.4	0.409	0.019	0.0070	
480 minute winter	30	1.021	29	0.2	0.274	0.050	0.0166	
480 minute winter	33	1.014	34	4.1	0.978	0.173	0.0514	56.0
480 minute winter	35	1.027	12	0.2	0.436	0.030	0.0038	
480 minute winter	36	1.031	25	0.7	0.596	0.030	0.0060	
480 minute winter	37	1.033	36	0.5	0.456	0.099	0.0156	
480 minute winter	38	1.032	37	0.2	0.257	0.028	0.0064	

Results for 30 year 600 minute summer. 840 minute analysis at 15 minute timestep. Mass balance: 32.87%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute summer	1	15	8.300	0.000	0.3	0.0000	0.0000	OK
600 minute summer	2	255	8.312	0.104	0.2	0.0341	0.0000	OK
600 minute summer	3	240	8.405	0.005	0.1	0.0013	0.0000	OK
600 minute summer	4	315	8.227	0.019	0.5	0.0068	0.0000	OK
600 minute summer	5	255	8.405	0.005	0.1	0.0011	0.0000	OK
600 minute summer	6	315	8.130	0.030	1.1	0.0335	0.0000	OK
600 minute summer	7	300	8.208	0.008	0.2	0.0013	0.0000	OK
600 minute summer	8	315	8.411	0.011	0.4	0.0045	0.0000	OK
600 minute summer	9	315	8.508	0.008	0.2	0.0025	0.0000	OK
600 minute summer	11	255	8.306	0.006	0.1	0.0009	0.0000	OK
600 minute summer	12	255	8.207	0.007	0.2	0.0011	0.0000	OK
600 minute summer	13	315	8.113	0.013	0.4	0.0041	0.0000	OK
600 minute summer	14	315	8.106	0.006	0.1	0.0012	0.0000	OK
600 minute summer	15	315	8.107	0.007	0.1	0.0003	0.0000	OK
600 minute summer	16	315	8.033	0.033	1.9	0.0375	0.0000	OK
600 minute summer	17	285	8.607	0.007	0.1	0.0010	0.0000	OK
600 minute summer	18	285	8.507	0.005	0.1	0.0009	0.0000	OK
600 minute summer	19	315	7.922	0.022	2.1	0.0035	0.0000	OK
600 minute summer	20	285	8.006	0.006	0.1	0.0003	0.0000	OK
600 minute summer	21	285	8.710	0.010	0.1	0.0015	0.0000	OK
600 minute summer	22	300	8.611	0.011	0.2	0.0029	0.0000	OK
600 minute summer	23	300	8.515	0.015	0.5	0.0034	0.0000	OK
600 minute summer	24	330	7.694	0.084	0.5	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute summer	2	1.000	1	0.0	0.000	0.000	0.0000	0.0
600 minute summer	3	1.001	2	0.1	0.616	0.005	0.0004	
600 minute summer	4	1.002	2	-0.2	-0.043	-0.027	0.0256	
600 minute summer	4	1.029	6	0.5	0.352	0.081	0.0154	
600 minute summer	5	1.003	4	0.1	0.319	0.004	0.0006	
600 minute summer	6	1.028	16	1.1	0.524	0.187	0.0222	
600 minute summer	7	1.004	6	0.2	0.401	0.012	0.0016	
600 minute summer	8	1.005	6	0.4	0.279	0.011	0.0115	
600 minute summer	9	1.006	8	0.1	0.231	0.006	0.0042	
600 minute summer	9	1.030	8	0.1	0.229	0.014	0.0034	
600 minute summer	11	1.013	12	0.1	0.463	0.008	0.0005	
600 minute summer	12	1.008	16	0.2	0.219	0.004	0.0034	
600 minute summer	13	1.009	16	0.4	0.315	0.015	0.0081	
600 minute summer	14	1.010	16	0.1	0.074	0.003	0.0039	
600 minute summer	15	1.026	16	0.1	0.091	0.008	0.0031	
600 minute summer	16	1.011	19	1.9	0.862	0.092	0.0164	
600 minute summer	17	1.025	18	0.1	0.526	0.008	0.0005	
600 minute summer	18	1.012	19	0.1	0.164	0.002	0.0063	
600 minute summer	19	1.023	28	2.1	1.400	0.039	0.0017	
600 minute summer	20	1.024	19	0.1	0.188	0.007	0.0015	
600 minute summer	21	1.022	22	0.1	0.228	0.021	0.0067	
600 minute summer	22	1.019	23	0.2	0.275	0.011	0.0070	
600 minute summer	23	1.018	24	0.5	0.470	0.008	0.0029	
600 minute summer	24	Flow through pond	26	2.7	0.043	0.001	3.9599	

Results for 30 year 600 minute summer. 840 minute analysis at 15 minute timestep. Mass balance: 32.87%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute summer	25	330	7.693	0.083	0.7	0.0000	0.0000	OK
600 minute summer	26	330	7.689	0.089	2.7	0.0000	0.0000	OK
600 minute summer	27	330	7.691	0.116	2.9	0.1309	0.0000	OK
600 minute summer	28	330	7.690	0.080	3.5	0.0000	0.0000	OK
600 minute summer	29	255	8.611	0.011	0.2	0.0035	0.0000	OK
600 minute summer	30	285	8.711	0.011	0.1	0.0028	0.0000	OK
600 minute summer	33	330	7.451	0.035	2.6	0.0055	0.0000	OK
600 minute summer	34	330	7.234	0.034	2.6	0.0000	0.0000	OK
600 minute summer	35	255	8.309	0.009	0.1	0.0012	0.0000	OK
600 minute summer	36	300	8.564	0.014	0.4	0.0025	0.0000	OK
600 minute summer	37	300	8.667	0.017	0.3	0.0077	0.0000	OK
600 minute summer	38	255	8.758	0.008	0.1	0.0024	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	25	Flow through pond	26	2.7	0.043	0.001	3.9599	
600 minute summer	26	1.016	27	2.9	0.426	0.198	0.0463	
600 minute summer	27	1.015	33	2.6	0.755	0.151	0.0577	
600 minute summer	28	Flow through pond	26	2.7	0.043	0.001	3.9599	
600 minute summer	29	1.020	23	0.2	0.396	0.010	0.0050	
600 minute summer	30	1.021	29	0.1	0.221	0.025	0.0104	
600 minute summer	33	1.014	34	2.6	0.869	0.112	0.0377	35.8
600 minute summer	35	1.027	12	0.1	0.352	0.015	0.0023	
600 minute summer	36	1.031	25	0.4	0.504	0.017	0.0041	
600 minute summer	37	1.033	36	0.3	0.395	0.059	0.0108	
600 minute summer	38	1.032	37	0.1	0.211	0.014	0.0043	

Results for 30 year 600 minute winter. 840 minute analysis at 15 minute timestep. Mass balance: 67.90%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute winter	1	15	8.300	0.000	0.3	0.0000	0.0000	OK
600 minute winter	2	315	8.318	0.110	0.4	0.0360	0.0000	OK
600 minute winter	3	315	8.407	0.007	0.2	0.0018	0.0000	OK
600 minute winter	4	315	8.232	0.024	0.8	0.0086	0.0000	OK
600 minute winter	5	315	8.406	0.006	0.2	0.0015	0.0000	OK
600 minute winter	6	315	8.134	0.034	1.4	0.0381	0.0000	OK
600 minute winter	7	255	8.208	0.008	0.2	0.0013	0.0000	OK
600 minute winter	8	285	8.411	0.011	0.4	0.0045	0.0000	OK
600 minute winter	9	285	8.508	0.008	0.2	0.0025	0.0000	OK
600 minute winter	11	315	8.309	0.009	0.2	0.0012	0.0000	OK
600 minute winter	12	315	8.209	0.009	0.4	0.0015	0.0000	OK
600 minute winter	13	315	8.114	0.014	0.5	0.0046	0.0000	OK
600 minute winter	14	285	8.106	0.006	0.1	0.0012	0.0000	OK
600 minute winter	15	285	8.107	0.007	0.1	0.0003	0.0000	OK
600 minute winter	16	315	8.038	0.038	2.5	0.0431	0.0000	OK
600 minute winter	17	240	8.607	0.007	0.1	0.0010	0.0000	OK
600 minute winter	18	240	8.507	0.005	0.1	0.0009	0.0000	OK
600 minute winter	19	315	7.925	0.025	2.7	0.0040	0.0000	OK
600 minute winter	20	240	8.006	0.006	0.1	0.0003	0.0000	OK
600 minute winter	21	240	8.710	0.010	0.1	0.0015	0.0000	OK
600 minute winter	22	255	8.611	0.011	0.2	0.0029	0.0000	OK
600 minute winter	23	315	8.517	0.017	0.7	0.0040	0.0000	OK
600 minute winter	24	330	7.714	0.104	2.1	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute winter	2	1.000	1	0.0	0.000	0.000	0.0000	0.0
600 minute winter	3	1.001	2	0.2	0.616	0.011	0.0006	
600 minute winter	4	1.002	2	-0.4	-0.077	-0.054	0.0265	
600 minute winter	4	1.029	6	0.8	0.426	0.130	0.0195	
600 minute winter	5	1.003	4	0.2	0.315	0.008	0.0009	
600 minute winter	6	1.028	16	1.4	0.554	0.239	0.0267	
600 minute winter	7	1.004	6	0.2	0.401	0.012	0.0019	
600 minute winter	8	1.005	6	0.4	0.279	0.011	0.0134	
600 minute winter	9	1.006	8	0.1	0.231	0.006	0.0042	
600 minute winter	9	1.030	8	0.1	0.229	0.014	0.0034	
600 minute winter	11	1.013	12	0.2	0.572	0.016	0.0008	
600 minute winter	12	1.008	16	0.4	0.224	0.007	0.0043	
600 minute winter	13	1.009	16	0.5	0.315	0.019	0.0098	
600 minute winter	14	1.010	16	0.1	0.074	0.003	0.0047	
600 minute winter	15	1.026	16	0.1	0.091	0.008	0.0037	
600 minute winter	16	1.011	19	2.5	0.932	0.121	0.0200	
600 minute winter	17	1.025	18	0.1	0.526	0.008	0.0005	
600 minute winter	18	1.012	19	0.1	0.164	0.002	0.0075	
600 minute winter	19	1.023	28	2.7	1.499	0.050	0.0020	
600 minute winter	20	1.024	19	0.1	0.188	0.007	0.0018	
600 minute winter	21	1.022	22	0.1	0.228	0.021	0.0067	
600 minute winter	22	1.019	23	0.2	0.275	0.011	0.0081	
600 minute winter	23	1.018	24	0.7	0.520	0.011	0.0037	
600 minute winter	24	Flow through pond	26	5.5	0.043	0.001	5.0692	

Results for 30 year 600 minute winter. 840 minute analysis at 15 minute timestep. Mass balance: 67.90%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute winter	25	315	7.714	0.104	0.7	0.0000	0.0000	OK
600 minute winter	26	330	7.714	0.114	5.5	0.0000	0.0000	OK
600 minute winter	27	330	7.713	0.138	3.6	0.1556	0.0000	OK
600 minute winter	28	315	7.715	0.105	3.2	0.0000	0.0000	OK
600 minute winter	29	315	8.614	0.014	0.4	0.0047	0.0000	OK
600 minute winter	30	315	8.715	0.015	0.2	0.0039	0.0000	OK
600 minute winter	33	330	7.457	0.041	3.6	0.0065	0.0000	OK
600 minute winter	34	330	7.240	0.040	3.6	0.0000	0.0000	OK
600 minute winter	35	315	8.312	0.012	0.2	0.0017	0.0000	OK
600 minute winter	36	315	8.568	0.018	0.7	0.0032	0.0000	OK
600 minute winter	37	315	8.672	0.022	0.5	0.0098	0.0000	OK
600 minute winter	38	315	8.762	0.012	0.2	0.0033	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	25	Flow through pond	26	5.5	0.043	0.001	5.0692	
600 minute winter	26	1.016	27	3.6	0.426	0.245	0.0568	
600 minute winter	27	1.015	33	3.6	0.823	0.206	0.0721	
600 minute winter	28	Flow through pond	26	5.5	0.043	0.001	5.0692	
600 minute winter	29	1.020	23	0.4	0.409	0.019	0.0070	
600 minute winter	30	1.021	29	0.2	0.274	0.050	0.0166	
600 minute winter	33	1.014	34	3.6	0.947	0.153	0.0472	56.9
600 minute winter	35	1.027	12	0.2	0.436	0.030	0.0038	
600 minute winter	36	1.031	25	0.7	0.596	0.030	0.0060	
600 minute winter	37	1.033	36	0.5	0.456	0.099	0.0156	
600 minute winter	38	1.032	37	0.2	0.233	0.028	0.0064	

Results for 30 year 720 minute summer. 960 minute analysis at 15 minute timestep. Mass balance: 21.23%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute summer	1	15	8.300	0.000	0.2	0.0000	0.0000	OK
720 minute summer	2	315	8.312	0.104	0.2	0.0341	0.0000	OK
720 minute summer	3	300	8.405	0.005	0.1	0.0013	0.0000	OK
720 minute summer	4	315	8.225	0.017	0.4	0.0061	0.0000	OK
720 minute summer	5	315	8.405	0.005	0.1	0.0011	0.0000	OK
720 minute summer	6	375	8.125	0.025	0.8	0.0283	0.0000	OK
720 minute summer	7	375	8.208	0.008	0.2	0.0013	0.0000	OK
720 minute summer	8	300	8.408	0.008	0.2	0.0033	0.0000	OK
720 minute summer	9	300	8.506	0.006	0.1	0.0018	0.0000	OK
720 minute summer	11	315	8.306	0.006	0.1	0.0009	0.0000	OK
720 minute summer	12	315	8.207	0.007	0.2	0.0011	0.0000	OK
720 minute summer	13	375	8.113	0.013	0.4	0.0041	0.0000	OK
720 minute summer	14	15	8.100	0.000	0.0	0.0000	0.0000	OK
720 minute summer	15	15	8.100	0.000	0.0	0.0000	0.0000	OK
720 minute summer	16	375	8.028	0.028	1.4	0.0322	0.0000	OK
720 minute summer	17	345	8.607	0.007	0.1	0.0010	0.0000	OK
720 minute summer	18	345	8.507	0.005	0.1	0.0009	0.0000	OK
720 minute summer	19	375	7.919	0.019	1.6	0.0030	0.0000	OK
720 minute summer	20	345	8.006	0.006	0.1	0.0003	0.0000	OK
720 minute summer	21	345	8.710	0.010	0.1	0.0015	0.0000	OK
720 minute summer	22	360	8.611	0.011	0.2	0.0029	0.0000	OK
720 minute summer	23	360	8.515	0.015	0.5	0.0034	0.0000	OK
720 minute summer	24	390	7.687	0.077	3.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute summer	2	1.000	1	0.0	0.000	0.000	0.0000	0.0
720 minute summer	3	1.001	2	0.1	0.616	0.005	0.0004	
720 minute summer	4	1.002	2	-0.2	-0.043	-0.027	0.0257	
720 minute summer	4	1.029	6	0.4	0.352	0.065	0.0125	
720 minute summer	5	1.003	4	0.1	0.315	0.004	0.0005	
720 minute summer	6	1.028	16	0.8	0.477	0.136	0.0177	
720 minute summer	7	1.004	6	0.2	0.401	0.012	0.0013	
720 minute summer	8	1.005	6	0.2	0.261	0.006	0.0087	
720 minute summer	9	1.006	8	0.1	0.185	0.003	0.0026	
720 minute summer	9	1.030	8	0.0	0.186	0.007	0.0021	
720 minute summer	11	1.013	12	0.1	0.463	0.008	0.0005	
720 minute summer	12	1.008	16	0.2	0.213	0.004	0.0028	
720 minute summer	13	1.009	16	0.4	0.315	0.015	0.0068	
720 minute summer	14	1.010	16	0.0	0.000	0.000	0.0029	
720 minute summer	15	1.026	16	0.0	0.000	0.000	0.0023	
720 minute summer	16	1.011	19	1.4	0.787	0.068	0.0133	
720 minute summer	17	1.025	18	0.1	0.526	0.008	0.0005	
720 minute summer	18	1.012	19	0.1	0.165	0.002	0.0053	
720 minute summer	19	1.023	28	1.6	1.298	0.030	0.0014	
720 minute summer	20	1.024	19	0.1	0.189	0.007	0.0013	
720 minute summer	21	1.022	22	0.1	0.228	0.021	0.0067	
720 minute summer	22	1.019	23	0.2	0.275	0.011	0.0070	
720 minute summer	23	1.018	24	0.5	0.470	0.008	0.0029	
720 minute summer	24	Flow through pond	26	5.0	0.048	0.001	3.5745	

Results for 30 year 720 minute summer. 960 minute analysis at 15 minute timestep. Mass balance: 21.23%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute summer	25	390	7.686	0.076	3.6	0.0000	0.0000	OK
720 minute summer	26	405	7.681	0.081	5.0	0.0000	0.0000	OK
720 minute summer	27	375	7.682	0.107	2.5	0.1207	0.0000	OK
720 minute summer	28	390	7.682	0.072	3.6	0.0000	0.0000	OK
720 minute summer	29	315	8.611	0.011	0.2	0.0035	0.0000	OK
720 minute summer	30	345	8.711	0.011	0.1	0.0028	0.0000	OK
720 minute summer	33	405	7.449	0.033	2.3	0.0052	0.0000	OK
720 minute summer	34	405	7.232	0.032	2.3	0.0000	0.0000	OK
720 minute summer	35	315	8.309	0.009	0.1	0.0012	0.0000	OK
720 minute summer	36	360	8.564	0.014	0.4	0.0025	0.0000	OK
720 minute summer	37	360	8.667	0.017	0.3	0.0077	0.0000	OK
720 minute summer	38	315	8.758	0.008	0.1	0.0024	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	25	Flow through pond	26	5.0	0.048	0.001	3.5745	
720 minute summer	26	1.016	27	2.5	0.426	0.168	0.0417	
720 minute summer	27	1.015	33	2.3	0.734	0.134	0.0525	
720 minute summer	28	Flow through pond	26	5.0	0.048	0.001	3.5745	
720 minute summer	29	1.020	23	0.2	0.396	0.010	0.0050	
720 minute summer	30	1.021	29	0.1	0.221	0.025	0.0104	
720 minute summer	33	1.014	34	2.3	0.837	0.098	0.0343	37.9
720 minute summer	35	1.027	12	0.1	0.352	0.015	0.0023	
720 minute summer	36	1.031	25	0.4	0.504	0.017	0.0041	
720 minute summer	37	1.033	36	0.3	0.395	0.059	0.0108	
720 minute summer	38	1.032	37	0.1	0.211	0.014	0.0043	

Results for 30 year 720 minute winter. 960 minute analysis at 15 minute timestep. Mass balance: 64.83%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute winter	1	15	8.300	0.000	0.3	0.0000	0.0000	OK
720 minute winter	2	240	8.312	0.104	0.2	0.0341	0.0000	OK
720 minute winter	3	225	8.405	0.005	0.1	0.0013	0.0000	OK
720 minute winter	4	360	8.227	0.019	0.5	0.0068	0.0000	OK
720 minute winter	5	240	8.405	0.005	0.1	0.0011	0.0000	OK
720 minute winter	6	360	8.130	0.030	1.1	0.0335	0.0000	OK
720 minute winter	7	330	8.208	0.008	0.2	0.0013	0.0000	OK
720 minute winter	8	360	8.411	0.011	0.4	0.0045	0.0000	OK
720 minute winter	9	360	8.508	0.008	0.2	0.0025	0.0000	OK
720 minute winter	11	240	8.306	0.006	0.1	0.0009	0.0000	OK
720 minute winter	12	240	8.207	0.007	0.2	0.0011	0.0000	OK
720 minute winter	13	345	8.113	0.013	0.4	0.0041	0.0000	OK
720 minute winter	14	360	8.106	0.006	0.1	0.0012	0.0000	OK
720 minute winter	15	360	8.107	0.007	0.1	0.0003	0.0000	OK
720 minute winter	16	360	8.033	0.033	1.9	0.0375	0.0000	OK
720 minute winter	17	300	8.607	0.007	0.1	0.0010	0.0000	OK
720 minute winter	18	300	8.507	0.005	0.1	0.0009	0.0000	OK
720 minute winter	19	360	7.922	0.022	2.1	0.0035	0.0000	OK
720 minute winter	20	300	8.006	0.006	0.1	0.0003	0.0000	OK
720 minute winter	21	300	8.710	0.010	0.1	0.0015	0.0000	OK
720 minute winter	22	315	8.611	0.011	0.2	0.0029	0.0000	OK
720 minute winter	23	315	8.515	0.015	0.5	0.0034	0.0000	OK
720 minute winter	24	390	7.699	0.089	0.5	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute winter	2	1.000	1	0.0	0.000	0.000	0.0000	0.0
720 minute winter	3	1.001	2	0.1	0.616	0.005	0.0004	
720 minute winter	4	1.002	2	-0.2	-0.043	-0.027	0.0256	
720 minute winter	4	1.029	6	0.5	0.352	0.081	0.0154	
720 minute winter	5	1.003	4	0.1	0.315	0.004	0.0006	
720 minute winter	6	1.028	16	1.1	0.524	0.187	0.0222	
720 minute winter	7	1.004	6	0.2	0.401	0.012	0.0016	
720 minute winter	8	1.005	6	0.4	0.279	0.011	0.0115	
720 minute winter	9	1.006	8	0.1	0.231	0.006	0.0042	
720 minute winter	9	1.030	8	0.1	0.229	0.014	0.0034	
720 minute winter	11	1.013	12	0.1	0.463	0.008	0.0005	
720 minute winter	12	1.008	16	0.2	0.213	0.004	0.0034	
720 minute winter	13	1.009	16	0.4	0.315	0.015	0.0081	
720 minute winter	14	1.010	16	0.1	0.074	0.003	0.0039	
720 minute winter	15	1.026	16	0.1	0.091	0.008	0.0031	
720 minute winter	16	1.011	19	1.9	0.862	0.092	0.0164	
720 minute winter	17	1.025	18	0.1	0.526	0.008	0.0005	
720 minute winter	18	1.012	19	0.1	0.165	0.002	0.0063	
720 minute winter	19	1.023	28	2.1	1.400	0.039	0.0017	
720 minute winter	20	1.024	19	0.1	0.189	0.007	0.0015	
720 minute winter	21	1.022	22	0.1	0.228	0.021	0.0067	
720 minute winter	22	1.019	23	0.2	0.275	0.011	0.0070	
720 minute winter	23	1.018	24	0.5	0.470	0.008	0.0029	
720 minute winter	24	Flow through pond	26	3.2	0.043	0.001	4.1984	

Results for 30 year 720 minute winter. 960 minute analysis at 15 minute timestep. Mass balance: 64.83%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute winter	25	390	7.698	0.088	0.4	0.0000	0.0000	OK
720 minute winter	26	390	7.695	0.095	3.2	0.0000	0.0000	OK
720 minute winter	27	375	7.694	0.119	2.8	0.1349	0.0000	OK
720 minute winter	28	375	7.697	0.087	3.1	0.0000	0.0000	OK
720 minute winter	29	255	8.611	0.011	0.2	0.0035	0.0000	OK
720 minute winter	30	300	8.711	0.011	0.1	0.0028	0.0000	OK
720 minute winter	33	390	7.452	0.036	2.8	0.0058	0.0000	OK
720 minute winter	34	390	7.235	0.035	2.8	0.0000	0.0000	OK
720 minute winter	35	240	8.309	0.009	0.1	0.0012	0.0000	OK
720 minute winter	36	315	8.564	0.014	0.4	0.0025	0.0000	OK
720 minute winter	37	315	8.667	0.017	0.3	0.0077	0.0000	OK
720 minute winter	38	240	8.758	0.008	0.1	0.0024	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	25	Flow through pond	26	3.2	0.043	0.001	4.1984	
720 minute winter	26	1.016	27	2.8	0.426	0.192	0.0486	
720 minute winter	27	1.015	33	2.8	0.772	0.163	0.0606	
720 minute winter	28	Flow through pond	26	3.2	0.043	0.001	4.1984	
720 minute winter	29	1.020	23	0.2	0.396	0.010	0.0050	
720 minute winter	30	1.021	29	0.1	0.221	0.025	0.0104	
720 minute winter	33	1.014	34	2.8	0.886	0.121	0.0397	58.2
720 minute winter	35	1.027	12	0.1	0.352	0.015	0.0023	
720 minute winter	36	1.031	25	0.4	0.504	0.017	0.0041	
720 minute winter	37	1.033	36	0.3	0.395	0.059	0.0108	
720 minute winter	38	1.032	37	0.1	0.211	0.014	0.0043	

Results for 30 year 960 minute summer. 1200 minute analysis at 15 minute timestep. Mass balance: -0.90%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute summer	1	15	8.300	0.000	0.2	0.0000	0.0000	OK
960 minute summer	2	435	8.312	0.104	0.2	0.0341	0.0000	OK
960 minute summer	3	420	8.405	0.005	0.1	0.0013	0.0000	OK
960 minute summer	4	435	8.225	0.017	0.4	0.0061	0.0000	OK
960 minute summer	5	435	8.405	0.005	0.1	0.0011	0.0000	OK
960 minute summer	6	540	8.123	0.023	0.7	0.0265	0.0000	OK
960 minute summer	7	405	8.206	0.006	0.1	0.0010	0.0000	OK
960 minute summer	8	420	8.408	0.008	0.2	0.0033	0.0000	OK
960 minute summer	9	420	8.506	0.006	0.1	0.0018	0.0000	OK
960 minute summer	11	435	8.306	0.006	0.1	0.0009	0.0000	OK
960 minute summer	12	435	8.207	0.007	0.2	0.0011	0.0000	OK
960 minute summer	13	480	8.111	0.011	0.3	0.0036	0.0000	OK
960 minute summer	14	15	8.100	0.000	0.0	0.0000	0.0000	OK
960 minute summer	15	15	8.100	0.000	0.0	0.0000	0.0000	OK
960 minute summer	16	480	8.026	0.026	1.2	0.0298	0.0000	OK
960 minute summer	17	480	8.607	0.007	0.1	0.0010	0.0000	OK
960 minute summer	18	480	8.507	0.005	0.1	0.0009	0.0000	OK
960 minute summer	19	480	7.918	0.018	1.4	0.0028	0.0000	OK
960 minute summer	20	480	8.006	0.006	0.1	0.0003	0.0000	OK
960 minute summer	21	480	8.710	0.010	0.1	0.0015	0.0000	OK
960 minute summer	22	495	8.611	0.011	0.2	0.0029	0.0000	OK
960 minute summer	23	495	8.515	0.015	0.5	0.0034	0.0000	OK
960 minute summer	24	495	7.683	0.073	4.2	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute summer	2	1.000	1	0.0	0.000	0.000	0.0000	0.0
960 minute summer	3	1.001	2	0.1	0.616	0.005	0.0004	
960 minute summer	4	1.002	2	-0.2	-0.043	-0.027	0.0256	
960 minute summer	4	1.029	6	0.4	0.352	0.065	0.0118	
960 minute summer	5	1.003	4	0.1	0.315	0.004	0.0005	
960 minute summer	6	1.028	16	0.7	0.473	0.119	0.0160	
960 minute summer	7	1.004	6	0.1	0.401	0.006	0.0011	
960 minute summer	8	1.005	6	0.2	0.263	0.006	0.0080	
960 minute summer	9	1.006	8	0.1	0.185	0.003	0.0026	
960 minute summer	9	1.030	8	0.0	0.186	0.007	0.0021	
960 minute summer	11	1.013	12	0.1	0.463	0.008	0.0005	
960 minute summer	12	1.008	16	0.2	0.213	0.004	0.0025	
960 minute summer	13	1.009	16	0.3	0.315	0.011	0.0060	
960 minute summer	14	1.010	16	0.0	0.000	0.000	0.0026	
960 minute summer	15	1.026	16	0.0	0.000	0.000	0.0020	
960 minute summer	16	1.011	19	1.2	0.758	0.058	0.0119	
960 minute summer	17	1.025	18	0.1	0.526	0.008	0.0005	
960 minute summer	18	1.012	19	0.1	0.165	0.002	0.0048	
960 minute summer	19	1.023	28	1.4	1.251	0.026	0.0012	
960 minute summer	20	1.024	19	0.1	0.189	0.007	0.0012	
960 minute summer	21	1.022	22	0.1	0.228	0.021	0.0067	
960 minute summer	22	1.019	23	0.2	0.275	0.011	0.0070	
960 minute summer	23	1.018	24	0.5	0.470	0.008	0.0029	
960 minute summer	24	Flow through pond	26	4.6	0.043	0.001	3.3404	

Results for 30 year 960 minute summer. 1200 minute analysis at 15 minute timestep. Mass balance: -0.90%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute summer	25	510	7.683	0.073	5.3	0.0000	0.0000	OK
960 minute summer	26	510	7.677	0.077	4.6	0.0000	0.0000	OK
960 minute summer	27	510	7.675	0.100	2.2	0.1132	0.0000	OK
960 minute summer	28	510	7.674	0.064	5.8	0.0000	0.0000	OK
960 minute summer	29	450	8.611	0.011	0.2	0.0035	0.0000	OK
960 minute summer	30	480	8.711	0.011	0.1	0.0028	0.0000	OK
960 minute summer	33	510	7.447	0.031	2.2	0.0050	0.0000	OK
960 minute summer	34	510	7.231	0.031	2.1	0.0000	0.0000	OK
960 minute summer	35	435	8.309	0.009	0.1	0.0012	0.0000	OK
960 minute summer	36	495	8.564	0.014	0.4	0.0025	0.0000	OK
960 minute summer	37	495	8.667	0.017	0.3	0.0077	0.0000	OK
960 minute summer	38	435	8.758	0.008	0.1	0.0024	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	25	Flow through pond	26	4.6	0.043	0.001	3.3404	
960 minute summer	26	1.016	27	2.2	0.426	0.148	0.0391	
960 minute summer	27	1.015	33	2.2	0.718	0.124	0.0495	
960 minute summer	28	Flow through pond	26	4.6	0.043	0.001	3.3404	
960 minute summer	29	1.020	23	0.2	0.396	0.010	0.0050	
960 minute summer	30	1.021	29	0.1	0.221	0.025	0.0104	
960 minute summer	33	1.014	34	2.1	0.817	0.091	0.0323	40.2
960 minute summer	35	1.027	12	0.1	0.352	0.015	0.0023	
960 minute summer	36	1.031	25	0.4	0.504	0.017	0.0041	
960 minute summer	37	1.033	36	0.3	0.395	0.059	0.0108	
960 minute summer	38	1.032	37	0.1	0.211	0.014	0.0043	

Results for 30 year 960 minute winter. 1200 minute analysis at 15 minute timestep. Mass balance: 53.75%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute winter	1	15	8.300	0.000	0.2	0.0000	0.0000	OK
960 minute winter	2	345	8.312	0.104	0.2	0.0341	0.0000	OK
960 minute winter	3	330	8.405	0.005	0.1	0.0013	0.0000	OK
960 minute winter	4	345	8.225	0.017	0.4	0.0061	0.0000	OK
960 minute winter	5	345	8.405	0.005	0.1	0.0011	0.0000	OK
960 minute winter	6	525	8.125	0.025	0.8	0.0284	0.0000	OK
960 minute winter	7	525	8.208	0.008	0.2	0.0013	0.0000	OK
960 minute winter	8	330	8.408	0.008	0.2	0.0033	0.0000	OK
960 minute winter	9	330	8.506	0.006	0.1	0.0018	0.0000	OK
960 minute winter	11	345	8.306	0.006	0.1	0.0009	0.0000	OK
960 minute winter	12	345	8.207	0.007	0.2	0.0011	0.0000	OK
960 minute winter	13	420	8.111	0.011	0.3	0.0036	0.0000	OK
960 minute winter	14	15	8.100	0.000	0.0	0.0000	0.0000	OK
960 minute winter	15	15	8.100	0.000	0.0	0.0000	0.0000	OK
960 minute winter	16	525	8.027	0.027	1.3	0.0310	0.0000	OK
960 minute winter	17	420	8.607	0.007	0.1	0.0010	0.0000	OK
960 minute winter	18	420	8.507	0.005	0.1	0.0009	0.0000	OK
960 minute winter	19	525	7.918	0.018	1.5	0.0029	0.0000	OK
960 minute winter	20	420	8.006	0.006	0.1	0.0003	0.0000	OK
960 minute winter	21	420	8.710	0.010	0.1	0.0015	0.0000	OK
960 minute winter	22	435	8.611	0.011	0.2	0.0029	0.0000	OK
960 minute winter	23	435	8.515	0.015	0.5	0.0034	0.0000	OK
960 minute winter	24	570	7.686	0.076	2.5	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute winter	2	1.000	1	0.0	0.000	0.000	0.0000	0.0
960 minute winter	3	1.001	2	0.1	0.616	0.005	0.0004	
960 minute winter	4	1.002	2	-0.2	-0.043	-0.027	0.0259	
960 minute winter	4	1.029	6	0.4	0.352	0.065	0.0126	
960 minute winter	5	1.003	4	0.1	0.315	0.004	0.0005	
960 minute winter	6	1.028	16	0.8	0.489	0.136	0.0173	
960 minute winter	7	1.004	6	0.2	0.401	0.012	0.0013	
960 minute winter	8	1.005	6	0.2	0.269	0.006	0.0087	
960 minute winter	9	1.006	8	0.1	0.185	0.003	0.0026	
960 minute winter	9	1.030	8	0.0	0.186	0.007	0.0021	
960 minute winter	11	1.013	12	0.1	0.463	0.008	0.0005	
960 minute winter	12	1.008	16	0.2	0.213	0.004	0.0027	
960 minute winter	13	1.009	16	0.3	0.315	0.011	0.0063	
960 minute winter	14	1.010	16	0.0	0.000	0.000	0.0027	
960 minute winter	15	1.026	16	0.0	0.000	0.000	0.0022	
960 minute winter	16	1.011	19	1.3	0.769	0.063	0.0126	
960 minute winter	17	1.025	18	0.1	0.526	0.008	0.0005	
960 minute winter	18	1.012	19	0.1	0.165	0.002	0.0051	
960 minute winter	19	1.023	28	1.5	1.275	0.028	0.0013	
960 minute winter	20	1.024	19	0.1	0.189	0.007	0.0012	
960 minute winter	21	1.022	22	0.1	0.228	0.021	0.0067	
960 minute winter	22	1.019	23	0.2	0.275	0.011	0.0070	
960 minute winter	23	1.018	24	0.5	0.470	0.008	0.0029	
960 minute winter	24	Flow through pond	26	5.2	0.043	0.001	3.5234	

Results for 30 year 960 minute winter. 1200 minute analysis at 15 minute timestep. Mass balance: 53.75%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute winter	25	570	7.685	0.075	7.3	0.0000	0.0000	OK
960 minute winter	26	525	7.681	0.081	5.2	0.0000	0.0000	OK
960 minute winter	27	465	7.678	0.103	2.4	0.1170	0.0000	OK
960 minute winter	28	570	7.681	0.071	5.8	0.0000	0.0000	OK
960 minute winter	29	360	8.611	0.011	0.2	0.0035	0.0000	OK
960 minute winter	30	420	8.711	0.011	0.1	0.0028	0.0000	OK
960 minute winter	33	525	7.448	0.032	2.3	0.0051	0.0000	OK
960 minute winter	34	525	7.231	0.031	2.3	0.0000	0.0000	OK
960 minute winter	35	345	8.309	0.009	0.1	0.0012	0.0000	OK
960 minute winter	36	450	8.564	0.014	0.4	0.0025	0.0000	OK
960 minute winter	37	450	8.667	0.017	0.3	0.0077	0.0000	OK
960 minute winter	38	345	8.758	0.008	0.1	0.0024	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	25	Flow through pond	26	5.2	0.043	0.001	3.5234	
960 minute winter	26	1.016	27	2.4	0.426	0.161	0.0409	
960 minute winter	27	1.015	33	2.3	0.730	0.131	0.0516	
960 minute winter	28	Flow through pond	26	5.2	0.043	0.001	3.5234	
960 minute winter	29	1.020	23	0.2	0.396	0.010	0.0050	
960 minute winter	30	1.021	29	0.1	0.221	0.025	0.0104	
960 minute winter	33	1.014	34	2.3	0.832	0.097	0.0338	64.9
960 minute winter	35	1.027	12	0.1	0.352	0.015	0.0023	
960 minute winter	36	1.031	25	0.4	0.504	0.017	0.0041	
960 minute winter	37	1.033	36	0.3	0.395	0.059	0.0108	
960 minute winter	38	1.032	37	0.1	0.211	0.014	0.0043	

Results for 30 year 1440 minute summer. 1680 minute analysis at 30 minute timestep. Mass balance: -60.71%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute summer	1	30	8.300	0.000	0.1	0.0000	0.0000	OK
1440 minute summer	2	720	8.312	0.104	0.2	0.0341	0.0000	OK
1440 minute summer	3	720	8.405	0.005	0.1	0.0013	0.0000	OK
1440 minute summer	4	720	8.225	0.017	0.4	0.0061	0.0000	OK
1440 minute summer	5	720	8.405	0.005	0.1	0.0011	0.0000	OK
1440 minute summer	6	720	8.123	0.023	0.7	0.0265	0.0000	OK
1440 minute summer	7	660	8.206	0.006	0.1	0.0010	0.0000	OK
1440 minute summer	8	690	8.408	0.008	0.2	0.0033	0.0000	OK
1440 minute summer	9	690	8.506	0.006	0.1	0.0018	0.0000	OK
1440 minute summer	11	720	8.306	0.006	0.1	0.0009	0.0000	OK
1440 minute summer	12	720	8.207	0.007	0.2	0.0011	0.0000	OK
1440 minute summer	13	720	8.109	0.009	0.2	0.0030	0.0000	OK
1440 minute summer	14	30	8.100	0.000	0.0	0.0000	0.0000	OK
1440 minute summer	15	30	8.100	0.000	0.0	0.0000	0.0000	OK
1440 minute summer	16	720	8.025	0.025	1.1	0.0288	0.0000	OK
1440 minute summer	17	30	8.600	0.000	0.0	0.0000	0.0000	OK
1440 minute summer	18	30	8.502	0.000	0.0	0.0000	0.0000	OK
1440 minute summer	19	720	7.916	0.016	1.1	0.0025	0.0000	OK
1440 minute summer	20	30	8.000	0.000	0.0	0.0000	0.0000	OK
1440 minute summer	21	30	8.700	0.000	0.0	0.0000	0.0000	OK
1440 minute summer	22	30	8.600	0.000	0.0	0.0000	0.0000	OK
1440 minute summer	23	720	8.510	0.010	0.2	0.0022	0.0000	OK
1440 minute summer	24	810	7.670	0.060	6.4	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute summer	2	1.000	1	0.0	0.000	0.000	0.0000	0.0
1440 minute summer	3	1.001	2	0.1	0.306	0.005	0.0004	
1440 minute summer	4	1.002	2	-0.2	-0.043	-0.027	0.0256	
1440 minute summer	4	1.029	6	0.4	0.351	0.065	0.0118	
1440 minute summer	5	1.003	4	0.1	0.219	0.004	0.0005	
1440 minute summer	6	1.028	16	0.7	0.473	0.119	0.0157	
1440 minute summer	7	1.004	6	0.1	0.390	0.006	0.0011	
1440 minute summer	8	1.005	6	0.2	0.260	0.006	0.0080	
1440 minute summer	9	1.006	8	0.1	0.185	0.003	0.0026	
1440 minute summer	9	1.030	8	0.0	0.186	0.007	0.0021	
1440 minute summer	11	1.013	12	0.1	0.463	0.008	0.0005	
1440 minute summer	12	1.008	16	0.2	0.198	0.004	0.0024	
1440 minute summer	13	1.009	16	0.2	0.310	0.008	0.0054	
1440 minute summer	14	1.010	16	0.0	0.000	0.000	0.0025	
1440 minute summer	15	1.026	16	0.0	0.000	0.000	0.0020	
1440 minute summer	16	1.011	19	1.1	0.758	0.053	0.0109	
1440 minute summer	17	1.025	18	0.0	0.000	0.000	0.0000	
1440 minute summer	18	1.012	19	0.0	0.000	0.000	0.0035	
1440 minute summer	19	1.023	28	1.1	1.169	0.020	0.0010	
1440 minute summer	20	1.024	19	0.0	0.000	0.000	0.0008	
1440 minute summer	21	1.022	22	0.0	0.000	0.000	0.0000	
1440 minute summer	22	1.019	23	0.0	0.000	0.000	0.0022	
1440 minute summer	23	1.018	24	0.2	0.361	0.003	0.0015	
1440 minute summer	24	Flow through pond	26	3.3	0.027	0.001	2.5324	

Results for 30 year 1440 minute summer. 1680 minute analysis at 30 minute timestep. Mass balance: -60.71%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute summer	25	810	7.672	0.062	6.4	0.0000	0.0000	OK
1440 minute summer	26	780	7.659	0.059	3.3	0.0000	0.0000	OK
1440 minute summer	27	750	7.659	0.084	1.6	0.0948	0.0000	OK
1440 minute summer	28	780	7.665	0.055	6.4	0.0000	0.0000	OK
1440 minute summer	29	720	8.611	0.011	0.2	0.0035	0.0000	OK
1440 minute summer	30	720	8.711	0.011	0.1	0.0028	0.0000	OK
1440 minute summer	33	780	7.442	0.026	1.5	0.0042	0.0000	OK
1440 minute summer	34	780	7.226	0.026	1.5	0.0000	0.0000	OK
1440 minute summer	35	720	8.309	0.009	0.1	0.0012	0.0000	OK
1440 minute summer	36	720	8.562	0.012	0.3	0.0022	0.0000	OK
1440 minute summer	37	720	8.664	0.014	0.2	0.0063	0.0000	OK
1440 minute summer	38	720	8.758	0.008	0.1	0.0024	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	25	Flow through pond	26	3.3	0.027	0.001	2.5324	
1440 minute summer	26	1.016	27	1.6	0.233	0.106	0.0299	
1440 minute summer	27	1.015	33	1.5	0.652	0.088	0.0387	
1440 minute summer	28	Flow through pond	26	3.3	0.027	0.001	2.5324	
1440 minute summer	29	1.020	23	0.2	0.396	0.010	0.0036	
1440 minute summer	30	1.021	29	0.1	0.219	0.025	0.0104	
1440 minute summer	33	1.014	34	1.5	0.741	0.064	0.0253	46.0
1440 minute summer	35	1.027	12	0.1	0.352	0.015	0.0023	
1440 minute summer	36	1.031	25	0.3	0.461	0.013	0.0034	
1440 minute summer	37	1.033	36	0.2	0.339	0.040	0.0084	
1440 minute summer	38	1.032	37	0.1	0.211	0.014	0.0035	

Results for 30 year 1440 minute winter. 1680 minute analysis at 30 minute timestep. Mass balance: 36.54%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute winter	1	30	8.300	0.000	0.2	0.0000	0.0000	OK
1440 minute winter	2	600	8.312	0.104	0.2	0.0341	0.0000	OK
1440 minute winter	3	600	8.405	0.005	0.1	0.0013	0.0000	OK
1440 minute winter	4	600	8.225	0.017	0.4	0.0061	0.0000	OK
1440 minute winter	5	600	8.405	0.005	0.1	0.0011	0.0000	OK
1440 minute winter	6	600	8.123	0.023	0.7	0.0265	0.0000	OK
1440 minute winter	7	540	8.206	0.006	0.1	0.0010	0.0000	OK
1440 minute winter	8	570	8.408	0.008	0.2	0.0033	0.0000	OK
1440 minute winter	9	570	8.506	0.006	0.1	0.0018	0.0000	OK
1440 minute winter	11	600	8.306	0.006	0.1	0.0009	0.0000	OK
1440 minute winter	12	600	8.207	0.007	0.2	0.0011	0.0000	OK
1440 minute winter	13	600	8.109	0.009	0.2	0.0030	0.0000	OK
1440 minute winter	14	30	8.100	0.000	0.0	0.0000	0.0000	OK
1440 minute winter	15	30	8.100	0.000	0.0	0.0000	0.0000	OK
1440 minute winter	16	600	8.025	0.025	1.1	0.0288	0.0000	OK
1440 minute winter	17	30	8.600	0.000	0.0	0.0000	0.0000	OK
1440 minute winter	18	30	8.502	0.000	0.0	0.0000	0.0000	OK
1440 minute winter	19	600	7.916	0.016	1.1	0.0025	0.0000	OK
1440 minute winter	20	30	8.000	0.000	0.0	0.0000	0.0000	OK
1440 minute winter	21	30	8.700	0.000	0.0	0.0000	0.0000	OK
1440 minute winter	22	30	8.600	0.000	0.0	0.0000	0.0000	OK
1440 minute winter	23	600	8.510	0.010	0.2	0.0022	0.0000	OK
1440 minute winter	24	930	7.671	0.061	1.5	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute winter	2	1.000	1	0.0	0.000	0.000	0.0000	0.0
1440 minute winter	3	1.001	2	0.1	0.306	0.005	0.0004	
1440 minute winter	4	1.002	2	-0.2	-0.043	-0.027	0.0256	
1440 minute winter	4	1.029	6	0.4	0.351	0.065	0.0118	
1440 minute winter	5	1.003	4	0.1	0.219	0.004	0.0005	
1440 minute winter	6	1.028	16	0.7	0.473	0.119	0.0157	
1440 minute winter	7	1.004	6	0.1	0.390	0.006	0.0011	
1440 minute winter	8	1.005	6	0.2	0.269	0.006	0.0080	
1440 minute winter	9	1.006	8	0.1	0.185	0.003	0.0026	
1440 minute winter	9	1.030	8	0.0	0.186	0.007	0.0021	
1440 minute winter	11	1.013	12	0.1	0.463	0.008	0.0005	
1440 minute winter	12	1.008	16	0.2	0.198	0.004	0.0024	
1440 minute winter	13	1.009	16	0.2	0.310	0.008	0.0054	
1440 minute winter	14	1.010	16	0.0	0.000	0.000	0.0025	
1440 minute winter	15	1.026	16	0.0	0.000	0.000	0.0020	
1440 minute winter	16	1.011	19	1.1	0.758	0.053	0.0109	
1440 minute winter	17	1.025	18	0.0	0.000	0.000	0.0000	
1440 minute winter	18	1.012	19	0.0	0.000	0.000	0.0035	
1440 minute winter	19	1.023	28	1.1	1.169	0.020	0.0010	
1440 minute winter	20	1.024	19	0.0	0.000	0.000	0.0008	
1440 minute winter	21	1.022	22	0.0	0.000	0.000	0.0000	
1440 minute winter	22	1.019	23	0.0	0.000	0.000	0.0022	
1440 minute winter	23	1.018	24	0.2	0.361	0.003	0.0015	
1440 minute winter	24	Flow through pond	26	3.4	0.022	0.001	2.5302	

Results for 30 year 1440 minute winter. 1680 minute analysis at 30 minute timestep. Mass balance: 36.54%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute winter	25	930	7.672	0.062	1.5	0.0000	0.0000	OK
1440 minute winter	26	690	7.659	0.059	3.4	0.0000	0.0000	OK
1440 minute winter	27	750	7.660	0.085	1.7	0.0959	0.0000	OK
1440 minute winter	28	630	7.662	0.052	3.0	0.0000	0.0000	OK
1440 minute winter	29	600	8.611	0.011	0.2	0.0035	0.0000	OK
1440 minute winter	30	600	8.711	0.011	0.1	0.0028	0.0000	OK
1440 minute winter	33	690	7.442	0.026	1.5	0.0042	0.0000	OK
1440 minute winter	34	690	7.226	0.026	1.5	0.0000	0.0000	OK
1440 minute winter	35	600	8.309	0.009	0.1	0.0012	0.0000	OK
1440 minute winter	36	600	8.562	0.012	0.3	0.0022	0.0000	OK
1440 minute winter	37	600	8.664	0.014	0.2	0.0063	0.0000	OK
1440 minute winter	38	600	8.758	0.008	0.1	0.0024	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	25	Flow through pond	26	3.4	0.022	0.001	2.5302	
1440 minute winter	26	1.016	27	1.7	0.220	0.114	0.0303	
1440 minute winter	27	1.015	33	1.5	0.653	0.088	0.0388	
1440 minute winter	28	Flow through pond	26	3.4	0.022	0.001	2.5302	
1440 minute winter	29	1.020	23	0.2	0.396	0.010	0.0036	
1440 minute winter	30	1.021	29	0.1	0.219	0.025	0.0104	
1440 minute winter	33	1.014	34	1.5	0.742	0.065	0.0254	67.6
1440 minute winter	35	1.027	12	0.1	0.352	0.015	0.0023	
1440 minute winter	36	1.031	25	0.3	0.461	0.013	0.0034	
1440 minute winter	37	1.033	36	0.2	0.339	0.040	0.0084	
1440 minute winter	38	1.032	37	0.1	0.211	0.014	0.0035	

Results for 100 year +40% CC 15 minute summer. 255 minute analysis at 1 minute timestep. Mass balance: 17.73%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	1	9	8.377	0.077	10.3	0.0000	0.0000	OK
15 minute summer	2	9	8.517	0.309	5.8	0.1015	0.0000	SURCHARGED
15 minute summer	3	9	8.520	0.120	3.4	0.0300	0.0000	SURCHARGED
15 minute summer	4	9	8.524	0.316	7.9	0.1111	0.0000	SURCHARGED
15 minute summer	5	9	8.525	0.125	3.6	0.0291	0.0000	SURCHARGED
15 minute summer	6	9	8.501	0.401	12.8	0.4539	0.0000	SURCHARGED
15 minute summer	7	9	8.506	0.306	4.7	0.0517	0.0000	SURCHARGED
15 minute summer	8	9	8.503	0.103	8.0	0.0411	0.0000	OK
15 minute summer	9	8	8.534	0.034	4.1	0.0103	0.0000	OK
15 minute summer	11	8	8.337	0.037	3.4	0.0050	0.0000	OK
15 minute summer	12	8	8.234	0.034	6.4	0.0054	0.0000	OK
15 minute summer	13	9	8.199	0.099	10.2	0.0314	0.0000	OK
15 minute summer	14	9	8.201	0.101	2.2	0.0204	0.0000	OK
15 minute summer	15	9	8.203	0.103	2.1	0.0044	0.0000	SURCHARGED
15 minute summer	16	9	8.199	0.199	24.7	0.2251	0.0000	SURCHARGED
15 minute summer	17	8	8.629	0.029	2.0	0.0042	0.0000	OK
15 minute summer	18	8	8.524	0.022	2.6	0.0041	0.0000	OK
15 minute summer	19	9	7.995	0.095	26.7	0.0151	0.0000	OK
15 minute summer	20	8	8.026	0.026	2.0	0.0013	0.0000	OK
15 minute summer	21	8	8.742	0.042	2.0	0.0063	0.0000	OK
15 minute summer	22	8	8.643	0.043	3.7	0.0112	0.0000	OK
15 minute summer	23	8	8.566	0.066	10.8	0.0155	0.0000	OK
15 minute summer	24	19	7.931	0.321	10.4	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	2	1.000	1	5.7	0.746	1.182	0.1118	1.2
15 minute summer	3	1.001	2	2.1	0.938	0.112	0.0083	
15 minute summer	4	1.002	2	-3.2	-0.489	-0.432	0.0481	
15 minute summer	4	1.029	6	4.4	0.600	0.708	0.0808	
15 minute summer	5	1.003	4	2.1	0.528	0.081	0.0083	
15 minute summer	6	1.028	16	9.8	1.248	1.664	0.0827	
15 minute summer	7	1.004	6	2.7	0.712	0.166	0.0112	
15 minute summer	8	1.005	6	7.5	0.565	0.210	0.1151	
15 minute summer	9	1.006	8	2.2	0.574	0.115	0.0656	
15 minute summer	9	1.030	8	1.7	0.555	0.254	0.0417	
15 minute summer	11	1.013	12	3.3	1.294	0.256	0.0058	
15 minute summer	12	1.008	16	6.2	0.499	0.114	0.0223	
15 minute summer	13	1.009	16	9.8	0.774	0.367	0.0669	
15 minute summer	14	1.010	16	1.4	0.109	0.039	0.0376	
15 minute summer	15	1.026	16	1.4	0.195	0.116	0.0195	
15 minute summer	16	1.011	19	23.3	1.445	1.127	0.1083	
15 minute summer	17	1.025	18	1.9	1.179	0.159	0.0041	
15 minute summer	18	1.012	19	2.5	0.528	0.048	0.0474	
15 minute summer	19	1.023	28	26.8	2.606	0.500	0.0116	
15 minute summer	20	1.024	19	1.9	0.596	0.143	0.0095	
15 minute summer	21	1.022	22	1.7	0.539	0.352	0.0485	
15 minute summer	22	1.019	23	3.3	0.570	0.183	0.0561	
15 minute summer	23	1.018	24	10.4	1.124	0.164	0.0251	
15 minute summer	24	Flow through pond	26	32.6	0.090	0.008	12.6157	

Results for 100 year +40% CC 15 minute summer. 255 minute analysis at 1 minute timestep. Mass balance: 17.73%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	25	19	7.931	0.321	9.0	0.0000	0.0000	OK
15 minute summer	26	16	7.876	0.276	32.6	0.0000	0.0000	SURCHARGED
15 minute summer	27	16	7.869	0.294	6.6	0.3330	0.0000	SURCHARGED
15 minute summer	28	20	7.940	0.330	26.8	0.0000	0.0000	OK
15 minute summer	29	8	8.657	0.057	6.2	0.0185	0.0000	OK
15 minute summer	30	8	8.764	0.064	3.4	0.0161	0.0000	OK
15 minute summer	33	17	7.471	0.055	6.3	0.0088	0.0000	OK
15 minute summer	34	17	7.253	0.053	6.3	0.0000	0.0000	OK
15 minute summer	35	8	8.352	0.052	3.4	0.0070	0.0000	OK
15 minute summer	36	8	8.615	0.065	9.5	0.0118	0.0000	OK
15 minute summer	37	9	8.806	0.156	8.5	0.0700	0.0000	SURCHARGED
15 minute summer	38	9	8.815	0.065	3.4	0.0187	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	25	Flow through pond	26	32.6	0.090	0.008	12.6157	
15 minute summer	26	1.016	27	6.6	0.602	0.451	0.0639	
15 minute summer	27	1.015	33	6.3	0.952	0.362	0.1092	
15 minute summer	28	Flow through pond	26	32.6	0.090	0.008	12.6157	
15 minute summer	29	1.020	23	5.5	0.818	0.262	0.0484	
15 minute summer	30	1.021	29	2.8	0.581	0.693	0.1121	
15 minute summer	33	1.014	34	6.3	1.100	0.268	0.0711	33.0
15 minute summer	35	1.027	12	3.1	0.975	0.469	0.0264	
15 minute summer	36	1.031	25	9.0	1.248	0.384	0.0375	
15 minute summer	37	1.033	36	6.5	0.896	1.277	0.0937	
15 minute summer	38	1.032	37	3.1	0.476	0.441	0.0481	

Results for 100 year +40% CC 15 minute winter. 255 minute analysis at 1 minute timestep. Mass balance: 61.05%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	1	10	8.390	0.090	14.7	0.0000	0.0000	OK
15 minute winter	2	10	8.680	0.472	8.8	0.1549	0.0000	SURCHARGED
15 minute winter	3	10	8.683	0.283	4.0	0.0708	0.0000	SURCHARGED
15 minute winter	4	10	8.706	0.498	7.1	0.1752	0.0000	SURCHARGED
15 minute winter	5	10	8.709	0.309	4.0	0.0719	0.0000	SURCHARGED
15 minute winter	6	10	8.694	0.594	11.8	0.6721	0.0000	SURCHARGED
15 minute winter	7	10	8.701	0.501	5.6	0.0847	0.0000	SURCHARGED
15 minute winter	8	10	8.705	0.305	8.0	0.1217	0.0000	SURCHARGED
15 minute winter	9	10	8.706	0.206	5.1	0.0618	0.0000	SURCHARGED
15 minute winter	11	8	8.341	0.041	4.0	0.0056	0.0000	OK
15 minute winter	12	9	8.292	0.092	7.9	0.0147	0.0000	OK
15 minute winter	13	9	8.311	0.211	12.0	0.0672	0.0000	SURCHARGED
15 minute winter	14	9	8.296	0.196	1.7	0.0395	0.0000	SURCHARGED
15 minute winter	15	9	8.291	0.191	1.6	0.0082	0.0000	SURCHARGED
15 minute winter	16	9	8.293	0.293	28.8	0.3314	0.0000	SURCHARGED
15 minute winter	17	8	8.633	0.033	2.4	0.0047	0.0000	OK
15 minute winter	18	8	8.527	0.025	3.2	0.0046	0.0000	OK
15 minute winter	19	16	8.063	0.163	33.2	0.0260	0.0000	SURCHARGED
15 minute winter	20	16	8.063	0.063	2.4	0.0032	0.0000	OK
15 minute winter	21	8	8.749	0.049	2.4	0.0073	0.0000	OK
15 minute winter	22	8	8.651	0.051	4.7	0.0132	0.0000	OK
15 minute winter	23	8	8.578	0.078	14.2	0.0183	0.0000	OK
15 minute winter	24	30	8.078	0.468	14.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute winter	2	1.000	1	8.2	1.043	1.695	0.1189	3.3
15 minute winter	3	1.001	2	2.5	1.068	0.135	0.0083	
15 minute winter	4	1.002	2	3.3	0.427	0.451	0.0481	
15 minute winter	4	1.029	6	4.8	0.611	0.774	0.0808	
15 minute winter	5	1.003	4	3.0	0.568	0.116	0.0083	
15 minute winter	6	1.028	16	11.0	1.400	1.866	0.0827	
15 minute winter	7	1.004	6	3.8	0.697	0.233	0.0112	
15 minute winter	8	1.005	6	5.8	0.635	0.162	0.1329	
15 minute winter	9	1.006	8	2.4	0.517	0.125	0.1508	
15 minute winter	9	1.030	8	1.7	0.503	0.257	0.0670	
15 minute winter	11	1.013	12	4.0	1.299	0.312	0.0116	
15 minute winter	12	1.008	16	7.1	0.509	0.130	0.0314	
15 minute winter	13	1.009	16	10.9	0.771	0.410	0.0788	
15 minute winter	14	1.010	16	1.6	0.153	0.046	0.0439	
15 minute winter	15	1.026	16	1.5	0.237	0.127	0.0195	
15 minute winter	16	1.011	19	28.2	1.662	1.360	0.1232	
15 minute winter	17	1.025	18	2.4	1.253	0.198	0.0048	
15 minute winter	18	1.012	19	3.1	0.421	0.060	0.0654	
15 minute winter	19	1.023	28	33.1	2.712	0.617	0.0196	
15 minute winter	20	1.024	19	2.4	0.572	0.177	0.0136	
15 minute winter	21	1.022	22	2.3	0.586	0.469	0.0596	
15 minute winter	22	1.019	23	4.5	0.622	0.249	0.0699	
15 minute winter	23	1.018	24	14.0	1.214	0.222	0.0314	
15 minute winter	24	Flow through pond	26	31.5	0.124	0.007	21.0105	

Results for 100 year +40% CC 15 minute winter. 255 minute analysis at 1 minute timestep. Mass balance: 61.05%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	25	30	8.078	0.468	11.5	0.0000	0.0000	OK
15 minute winter	26	18	8.057	0.457	31.5	0.0000	0.0000	SURCHARGED
15 minute winter	27	18	8.050	0.475	7.4	0.5374	0.0000	SURCHARGED
15 minute winter	28	30	8.110	0.500	33.1	0.0000	0.0000	OK
15 minute winter	29	8	8.667	0.067	7.6	0.0217	0.0000	OK
15 minute winter	30	8	8.778	0.078	4.0	0.0195	0.0000	OK
15 minute winter	33	34	7.472	0.056	6.4	0.0089	0.0000	OK
15 minute winter	34	34	7.253	0.053	6.4	0.0000	0.0000	OK
15 minute winter	35	8	8.358	0.058	4.0	0.0078	0.0000	OK
15 minute winter	36	9	8.624	0.074	11.4	0.0134	0.0000	OK
15 minute winter	37	9	8.912	0.262	9.0	0.1178	0.0000	SURCHARGED
15 minute winter	38	9	8.933	0.183	4.0	0.0524	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	25	Flow through pond	26	31.5	0.124	0.007	21.0105	
15 minute winter	26	1.016	27	7.4	0.634	0.500	0.0639	
15 minute winter	27	1.015	33	6.4	0.955	0.367	0.1104	
15 minute winter	28	Flow through pond	26	31.5	0.124	0.007	21.0105	
15 minute winter	29	1.020	23	7.3	0.871	0.348	0.0602	
15 minute winter	30	1.021	29	3.7	0.609	0.918	0.1373	
15 minute winter	33	1.014	34	6.4	1.105	0.272	0.0718	40.4
15 minute winter	35	1.027	12	3.9	1.001	0.583	0.0478	
15 minute winter	36	1.031	25	11.5	1.332	0.488	0.0445	
15 minute winter	37	1.033	36	8.0	1.069	1.593	0.0994	
15 minute winter	38	1.032	37	3.1	0.437	0.438	0.0568	

Results for 100 year +40% CC 30 minute summer. 270 minute analysis at 1 minute timestep. Mass balance: 44.18%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	1	17	8.371	0.071	8.4	0.0000	0.0000	OK
30 minute summer	2	17	8.483	0.275	6.6	0.0901	0.0000	OK
30 minute summer	3	17	8.482	0.082	2.2	0.0205	0.0000	OK
30 minute summer	4	17	8.486	0.278	6.5	0.0979	0.0000	SURCHARGED
30 minute summer	5	17	8.486	0.086	2.6	0.0199	0.0000	OK
30 minute summer	6	17	8.459	0.359	11.0	0.4064	0.0000	SURCHARGED
30 minute summer	7	17	8.463	0.263	3.1	0.0445	0.0000	SURCHARGED
30 minute summer	8	17	8.459	0.059	5.4	0.0235	0.0000	OK
30 minute summer	9	16	8.529	0.029	2.7	0.0086	0.0000	OK
30 minute summer	11	16	8.330	0.030	2.2	0.0040	0.0000	OK
30 minute summer	12	16	8.229	0.029	4.4	0.0046	0.0000	OK
30 minute summer	13	16	8.151	0.051	6.7	0.0164	0.0000	OK
30 minute summer	14	16	8.149	0.049	0.9	0.0099	0.0000	OK
30 minute summer	15	17	8.153	0.053	0.9	0.0023	0.0000	OK
30 minute summer	16	16	8.146	0.146	21.9	0.1648	0.0000	OK
30 minute summer	17	16	8.624	0.024	1.3	0.0034	0.0000	OK
30 minute summer	18	16	8.521	0.019	1.7	0.0034	0.0000	OK
30 minute summer	19	16	7.988	0.088	24.1	0.0140	0.0000	OK
30 minute summer	20	16	8.021	0.021	1.3	0.0011	0.0000	OK
30 minute summer	21	16	8.735	0.035	1.3	0.0053	0.0000	OK
30 minute summer	22	16	8.638	0.038	2.6	0.0099	0.0000	OK
30 minute summer	23	16	8.559	0.059	8.2	0.0137	0.0000	OK
30 minute summer	24	27	7.933	0.323	8.1	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute summer	2	1.000	1	4.7	0.735	0.984	0.1002	1.0
30 minute summer	3	1.001	2	3.2	0.839	0.173	0.0078	
30 minute summer	4	1.002	2	-2.8	-0.438	-0.379	0.0481	
30 minute summer	4	1.029	6	4.4	0.593	0.711	0.0808	
30 minute summer	5	1.003	4	1.7	0.451	0.064	0.0079	
30 minute summer	6	1.028	16	9.6	1.222	1.629	0.0827	
30 minute summer	7	1.004	6	2.6	0.830	0.160	0.0112	
30 minute summer	8	1.005	6	5.1	0.590	0.142	0.0906	
30 minute summer	9	1.006	8	1.5	0.507	0.080	0.0359	
30 minute summer	9	1.030	8	1.2	0.494	0.179	0.0272	
30 minute summer	11	1.013	12	2.2	1.153	0.173	0.0044	
30 minute summer	12	1.008	16	4.4	0.446	0.081	0.0215	
30 minute summer	13	1.009	16	6.7	0.772	0.251	0.0510	
30 minute summer	14	1.010	16	1.5	0.153	0.043	0.0280	
30 minute summer	15	1.026	16	1.6	0.245	0.128	0.0149	
30 minute summer	16	1.011	19	21.1	1.465	1.021	0.1041	
30 minute summer	17	1.025	18	1.3	1.066	0.109	0.0031	
30 minute summer	18	1.012	19	1.7	0.310	0.033	0.0434	
30 minute summer	19	1.023	28	24.1	2.546	0.448	0.0125	
30 minute summer	20	1.024	19	1.3	0.568	0.097	0.0089	
30 minute summer	21	1.022	22	1.3	0.499	0.266	0.0396	
30 minute summer	22	1.019	23	2.6	0.525	0.142	0.0473	
30 minute summer	23	1.018	24	8.1	1.048	0.129	0.0212	
30 minute summer	24	Flow through pond	26	22.4	0.073	0.005	15.2269	

Results for 100 year +40% CC 30 minute summer. 270 minute analysis at 1 minute timestep. Mass balance: 44.18%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	25	27	7.933	0.323	7.8	0.0000	0.0000	OK
30 minute summer	26	27	7.932	0.332	22.4	0.0000	0.0000	SURCHARGED
30 minute summer	27	27	7.925	0.350	6.8	0.3963	0.0000	SURCHARGED
30 minute summer	28	27	7.934	0.324	24.1	0.0000	0.0000	OK
30 minute summer	29	16	8.649	0.049	4.4	0.0158	0.0000	OK
30 minute summer	30	16	8.754	0.054	2.2	0.0135	0.0000	OK
30 minute summer	33	28	7.472	0.056	6.4	0.0089	0.0000	OK
30 minute summer	34	28	7.253	0.053	6.4	0.0000	0.0000	OK
30 minute summer	35	16	8.342	0.042	2.2	0.0056	0.0000	OK
30 minute summer	36	16	8.610	0.060	7.8	0.0108	0.0000	OK
30 minute summer	37	16	8.744	0.094	5.8	0.0421	0.0000	OK
30 minute summer	38	16	8.788	0.038	2.2	0.0109	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	25	Flow through pond	26	22.4	0.073	0.005	15.2269	
30 minute summer	26	1.016	27	6.8	0.510	0.460	0.0639	
30 minute summer	27	1.015	33	6.4	0.955	0.367	0.1103	
30 minute summer	28	Flow through pond	26	22.4	0.073	0.005	15.2269	
30 minute summer	29	1.020	23	4.3	0.769	0.206	0.0403	
30 minute summer	30	1.021	29	2.2	0.539	0.546	0.0913	
30 minute summer	33	1.014	34	6.4	1.104	0.272	0.0718	37.3
30 minute summer	35	1.027	12	2.2	0.890	0.330	0.0204	
30 minute summer	36	1.031	25	7.8	1.203	0.332	0.0335	
30 minute summer	37	1.033	36	5.7	0.894	1.118	0.0885	
30 minute summer	38	1.032	37	2.2	0.426	0.310	0.0376	

Results for 100 year +40% CC 30 minute winter. 270 minute analysis at 1 minute timestep. Mass balance: 73.28%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute winter	1	18	8.383	0.083	11.4	0.0000	0.0000	OK
30 minute winter	2	18	8.570	0.362	6.8	0.1189	0.0000	SURCHARGED
30 minute winter	3	18	8.573	0.173	3.4	0.0432	0.0000	SURCHARGED
30 minute winter	4	18	8.583	0.375	5.8	0.1320	0.0000	SURCHARGED
30 minute winter	5	18	8.585	0.185	2.6	0.0432	0.0000	SURCHARGED
30 minute winter	6	18	8.565	0.465	10.6	0.5263	0.0000	SURCHARGED
30 minute winter	7	18	8.571	0.371	3.7	0.0627	0.0000	SURCHARGED
30 minute winter	8	18	8.573	0.173	6.2	0.0691	0.0000	SURCHARGED
30 minute winter	9	18	8.574	0.074	3.1	0.0222	0.0000	OK
30 minute winter	11	16	8.333	0.033	2.6	0.0044	0.0000	OK
30 minute winter	12	16	8.231	0.031	5.2	0.0050	0.0000	OK
30 minute winter	13	17	8.214	0.114	7.9	0.0364	0.0000	OK
30 minute winter	14	17	8.210	0.110	1.0	0.0222	0.0000	OK
30 minute winter	15	17	8.209	0.109	1.2	0.0047	0.0000	SURCHARGED
30 minute winter	16	17	8.209	0.209	23.8	0.2367	0.0000	SURCHARGED
30 minute winter	17	16	8.627	0.027	1.6	0.0038	0.0000	OK
30 minute winter	18	16	8.523	0.021	2.1	0.0038	0.0000	OK
30 minute winter	19	31	8.180	0.280	27.0	0.0445	0.0000	SURCHARGED
30 minute winter	20	31	8.178	0.178	2.6	0.0089	0.0000	SURCHARGED
30 minute winter	21	16	8.739	0.039	1.6	0.0059	0.0000	OK
30 minute winter	22	16	8.642	0.042	3.2	0.0110	0.0000	OK
30 minute winter	23	16	8.565	0.065	10.0	0.0152	0.0000	OK
30 minute winter	24	33	8.179	0.569	32.4	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute winter	2	1.000	1	6.6	0.858	1.381	0.1153	3.4
30 minute winter	3	1.001	2	2.2	0.987	0.117	0.0083	
30 minute winter	4	1.002	2	-2.4	-0.389	-0.330	0.0481	
30 minute winter	4	1.029	6	4.4	0.582	0.718	0.0808	
30 minute winter	5	1.003	4	2.1	0.594	0.082	0.0083	
30 minute winter	6	1.028	16	10.1	1.287	1.716	0.0827	
30 minute winter	7	1.004	6	3.6	0.937	0.225	0.0112	
30 minute winter	8	1.005	6	5.0	0.656	0.140	0.1329	
30 minute winter	9	1.006	8	2.2	0.496	0.114	0.1124	
30 minute winter	9	1.030	8	1.3	0.484	0.203	0.0601	
30 minute winter	11	1.013	12	2.6	1.207	0.204	0.0049	
30 minute winter	12	1.008	16	5.2	0.427	0.096	0.0220	
30 minute winter	13	1.009	16	7.7	0.878	0.289	0.0716	
30 minute winter	14	1.010	16	1.8	0.192	0.051	0.0392	
30 minute winter	15	1.026	16	1.3	0.230	0.103	0.0195	
30 minute winter	16	1.011	19	23.6	1.450	1.140	0.1298	
30 minute winter	17	1.025	18	1.6	1.130	0.135	0.0036	
30 minute winter	18	1.012	19	2.1	0.495	0.041	0.0678	
30 minute winter	19	1.023	28	26.5	2.576	0.493	0.0196	
30 minute winter	20	1.024	19	3.3	0.705	0.245	0.0163	
30 minute winter	21	1.022	22	1.6	0.530	0.328	0.0460	
30 minute winter	22	1.019	23	3.2	0.562	0.176	0.0547	
30 minute winter	23	1.018	24	9.9	1.106	0.157	0.0245	
30 minute winter	24	Flow through pond	26	27.2	0.092	0.006	26.3706	

Results for 100 year +40% CC 30 minute winter. 270 minute analysis at 1 minute timestep. Mass balance: 73.28%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute winter	25	30	8.181	0.571	32.4	0.0000	0.0000	OK
30 minute winter	26	30	8.172	0.572	27.2	0.0000	0.0000	SURCHARGED
30 minute winter	27	31	8.166	0.591	7.2	0.6682	0.0000	SURCHARGED
30 minute winter	28	35	8.216	0.606	26.5	0.0000	0.0000	OK
30 minute winter	29	16	8.654	0.054	5.2	0.0175	0.0000	OK
30 minute winter	30	16	8.760	0.060	2.6	0.0150	0.0000	OK
30 minute winter	33	66	7.472	0.056	6.4	0.0089	0.0000	OK
30 minute winter	34	66	7.253	0.053	6.4	0.0000	0.0000	OK
30 minute winter	35	16	8.346	0.046	2.6	0.0062	0.0000	OK
30 minute winter	36	16	8.614	0.064	8.9	0.0116	0.0000	OK
30 minute winter	37	17	8.800	0.150	6.8	0.0675	0.0000	SURCHARGED
30 minute winter	38	17	8.807	0.057	2.6	0.0164	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute winter	25	Flow through pond	26	27.2	0.092	0.006	26.3706	
30 minute winter	26	1.016	27	7.2	0.592	0.491	0.0639	
30 minute winter	27	1.015	33	6.4	0.955	0.367	0.1104	
30 minute winter	28	Flow through pond	26	27.2	0.092	0.006	26.3706	
30 minute winter	29	1.020	23	5.2	0.799	0.246	0.0463	
30 minute winter	30	1.021	29	2.6	0.563	0.651	0.1043	
30 minute winter	33	1.014	34	6.4	1.105	0.272	0.0718	49.7
30 minute winter	35	1.027	12	2.6	0.933	0.390	0.0230	
30 minute winter	36	1.031	25	8.9	1.245	0.377	0.0367	
30 minute winter	37	1.033	36	6.4	0.882	1.259	0.0929	
30 minute winter	38	1.032	37	2.6	0.419	0.361	0.0453	

Results for 100 year +40% CC 60 minute summer. 300 minute analysis at 1 minute timestep. Mass balance: 47.34%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute summer	1	33	8.336	0.036	3.8	0.0000	0.0000	OK
60 minute summer	2	33	8.436	0.228	5.2	0.0747	0.0000	OK
60 minute summer	3	32	8.439	0.039	2.6	0.0098	0.0000	OK
60 minute summer	4	32	8.441	0.233	7.0	0.0821	0.0000	SURCHARGED
60 minute summer	5	33	8.427	0.027	1.5	0.0063	0.0000	OK
60 minute summer	6	32	8.385	0.285	9.8	0.3219	0.0000	SURCHARGED
60 minute summer	7	32	8.387	0.187	2.1	0.0316	0.0000	SURCHARGED
60 minute summer	8	31	8.432	0.032	3.6	0.0129	0.0000	OK
60 minute summer	9	31	8.523	0.023	1.8	0.0070	0.0000	OK
60 minute summer	11	31	8.324	0.024	1.5	0.0033	0.0000	OK
60 minute summer	12	31	8.224	0.024	3.0	0.0038	0.0000	OK
60 minute summer	13	31	8.142	0.042	4.5	0.0133	0.0000	OK
60 minute summer	14	31	8.115	0.015	0.6	0.0030	0.0000	OK
60 minute summer	15	31	8.115	0.015	0.6	0.0007	0.0000	OK
60 minute summer	16	31	8.115	0.115	17.0	0.1298	0.0000	OK
60 minute summer	17	31	8.620	0.020	0.9	0.0028	0.0000	OK
60 minute summer	18	31	8.518	0.016	1.2	0.0029	0.0000	OK
60 minute summer	19	31	7.975	0.075	19.0	0.0120	0.0000	OK
60 minute summer	20	31	8.018	0.018	0.9	0.0009	0.0000	OK
60 minute summer	21	31	8.729	0.029	0.9	0.0043	0.0000	OK
60 minute summer	22	31	8.632	0.032	1.8	0.0082	0.0000	OK
60 minute summer	23	31	8.548	0.048	5.6	0.0113	0.0000	OK
60 minute summer	24	45	7.971	0.361	5.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute summer	2	1.000	1	1.4	0.533	0.285	0.0402	0.3
60 minute summer	3	1.001	2	3.9	0.763	0.209	0.0056	
60 minute summer	4	1.002	2	-2.4	-0.377	-0.318	0.0481	
60 minute summer	4	1.029	6	4.3	0.561	0.696	0.0808	
60 minute summer	5	1.003	4	3.8	1.211	0.145	0.0051	
60 minute summer	6	1.028	16	8.8	1.123	1.497	0.0827	
60 minute summer	7	1.004	6	2.9	0.779	0.181	0.0112	
60 minute summer	8	1.005	6	3.6	0.612	0.101	0.0769	
60 minute summer	9	1.006	8	1.0	0.451	0.053	0.0194	
60 minute summer	9	1.030	8	0.8	0.442	0.120	0.0153	
60 minute summer	11	1.013	12	1.5	1.036	0.118	0.0033	
60 minute summer	12	1.008	16	3.0	0.382	0.055	0.0176	
60 minute summer	13	1.009	16	4.5	0.697	0.169	0.0413	
60 minute summer	14	1.010	16	0.6	0.268	0.016	0.0191	
60 minute summer	15	1.026	16	0.6	0.283	0.049	0.0107	
60 minute summer	16	1.011	19	16.9	1.437	0.816	0.0860	
60 minute summer	17	1.025	18	0.9	0.955	0.076	0.0024	
60 minute summer	18	1.012	19	1.2	0.272	0.023	0.0356	
60 minute summer	19	1.023	28	19.0	2.895	0.353	0.0143	
60 minute summer	20	1.024	19	0.9	0.614	0.067	0.0076	
60 minute summer	21	1.022	22	0.9	0.447	0.184	0.0306	
60 minute summer	22	1.019	23	1.8	0.475	0.098	0.0363	
60 minute summer	23	1.018	24	5.6	0.947	0.089	0.0161	
60 minute summer	24	Flow through pond	26	37.5	0.057	0.009	16.8386	

Results for 100 year +40% CC 60 minute summer. 300 minute analysis at 1 minute timestep. Mass balance: 47.34%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute summer	25	45	7.971	0.361	5.4	0.0000	0.0000	OK
60 minute summer	26	42	7.967	0.367	37.5	0.0000	0.0000	SURCHARGED
60 minute summer	27	43	7.962	0.387	6.7	0.4375	0.0000	SURCHARGED
60 minute summer	28	42	7.971	0.361	19.0	0.0000	0.0000	OK
60 minute summer	29	31	8.639	0.039	3.0	0.0128	0.0000	OK
60 minute summer	30	31	8.743	0.043	1.5	0.0108	0.0000	OK
60 minute summer	33	49	7.472	0.056	6.4	0.0089	0.0000	OK
60 minute summer	34	50	7.253	0.053	6.4	0.0000	0.0000	OK
60 minute summer	35	31	8.334	0.034	1.5	0.0046	0.0000	OK
60 minute summer	36	31	8.599	0.049	5.4	0.0089	0.0000	OK
60 minute summer	37	31	8.717	0.067	3.9	0.0301	0.0000	OK
60 minute summer	38	31	8.781	0.031	1.5	0.0089	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	25	Flow through pond	26	37.5	0.057	0.009	16.8386	
60 minute summer	26	1.016	27	6.7	0.438	0.457	0.0639	
60 minute summer	27	1.015	33	6.4	0.955	0.367	0.1104	
60 minute summer	28	Flow through pond	26	37.5	0.057	0.009	16.8386	
60 minute summer	29	1.020	23	3.0	0.697	0.141	0.0304	
60 minute summer	30	1.021	29	1.5	0.490	0.373	0.0688	
60 minute summer	33	1.014	34	6.4	1.105	0.272	0.0718	47.3
60 minute summer	35	1.027	12	1.5	0.798	0.225	0.0155	
60 minute summer	36	1.031	25	5.4	1.084	0.228	0.0255	
60 minute summer	37	1.033	36	3.9	0.829	0.769	0.0663	
60 minute summer	38	1.032	37	1.5	0.394	0.211	0.0278	

Results for 100 year +40% CC 60 minute winter. 300 minute analysis at 1 minute timestep. Mass balance: 79.59%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	1	32	8.363	0.063	7.0	0.0000	0.0000	OK
60 minute winter	2	32	8.465	0.257	5.6	0.0844	0.0000	OK
60 minute winter	3	32	8.469	0.069	3.0	0.0173	0.0000	OK
60 minute winter	4	31	8.474	0.266	5.6	0.0935	0.0000	SURCHARGED
60 minute winter	5	32	8.471	0.071	3.1	0.0165	0.0000	OK
60 minute winter	6	32	8.435	0.335	9.7	0.3784	0.0000	SURCHARGED
60 minute winter	7	32	8.437	0.237	2.3	0.0401	0.0000	SURCHARGED
60 minute winter	8	32	8.434	0.034	4.0	0.0137	0.0000	OK
60 minute winter	9	31	8.525	0.025	2.0	0.0074	0.0000	OK
60 minute winter	11	31	8.326	0.026	1.7	0.0035	0.0000	OK
60 minute winter	12	58	8.317	0.117	3.4	0.0186	0.0000	OK
60 minute winter	13	58	8.316	0.216	5.0	0.0689	0.0000	SURCHARGED
60 minute winter	14	58	8.314	0.214	1.4	0.0433	0.0000	SURCHARGED
60 minute winter	15	58	8.316	0.216	1.4	0.0093	0.0000	SURCHARGED
60 minute winter	16	58	8.317	0.317	19.1	0.3586	0.0000	SURCHARGED
60 minute winter	17	30	8.621	0.021	1.0	0.0030	0.0000	OK
60 minute winter	18	31	8.519	0.017	1.3	0.0030	0.0000	OK
60 minute winter	19	57	8.311	0.411	21.1	0.0653	0.0000	SURCHARGED
60 minute winter	20	61	8.320	0.320	4.1	0.0160	0.0000	SURCHARGED
60 minute winter	21	32	8.731	0.031	1.0	0.0046	0.0000	OK
60 minute winter	22	32	8.634	0.034	2.0	0.0087	0.0000	OK
60 minute winter	23	31	8.551	0.051	6.4	0.0120	0.0000	OK
60 minute winter	24	57	8.344	0.734	49.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute winter	2	1.000	1	3.8	0.722	0.793	0.0830	2.2
60 minute winter	3	1.001	2	4.0	0.865	0.211	0.0072	
60 minute winter	4	1.002	2	-2.3	-0.351	-0.309	0.0481	
60 minute winter	4	1.029	6	4.3	0.552	0.692	0.0808	
60 minute winter	5	1.003	4	3.6	0.497	0.138	0.0073	
60 minute winter	6	1.028	16	9.2	1.182	1.576	0.0827	
60 minute winter	7	1.004	6	3.2	0.812	0.201	0.0112	
60 minute winter	8	1.005	6	4.0	0.600	0.112	0.0778	
60 minute winter	9	1.006	8	1.1	0.466	0.059	0.0209	
60 minute winter	9	1.030	8	0.9	0.456	0.133	0.0165	
60 minute winter	11	1.013	12	1.7	1.073	0.134	0.0098	
60 minute winter	12	1.008	16	3.4	0.382	0.062	0.0350	
60 minute winter	13	1.009	16	5.9	0.686	0.220	0.0788	
60 minute winter	14	1.010	16	1.7	0.135	0.047	0.0439	
60 minute winter	15	1.026	16	1.5	0.191	0.122	0.0195	
60 minute winter	16	1.011	19	18.8	1.431	0.906	0.1298	
60 minute winter	17	1.025	18	1.0	0.989	0.084	0.0026	
60 minute winter	18	1.012	19	1.3	0.263	0.025	0.0671	
60 minute winter	19	1.023	28	20.7	2.406	0.386	0.0196	
60 minute winter	20	1.024	19	-4.1	-0.521	-0.305	0.0163	
60 minute winter	21	1.022	22	1.0	0.461	0.205	0.0331	
60 minute winter	22	1.019	23	2.0	0.490	0.110	0.0396	
60 minute winter	23	1.018	24	6.4	0.982	0.101	0.0177	
60 minute winter	24	Flow through pond	26	19.4	0.082	0.005	29.9065	

Results for 100 year +40% CC 60 minute winter. 300 minute analysis at 1 minute timestep. Mass balance: 79.59%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	25	52	8.353	0.743	27.0	0.0000	0.0000	OK
60 minute winter	26	59	8.247	0.647	19.4	0.0000	0.0000	SURCHARGED
60 minute winter	27	59	8.242	0.667	7.0	0.7541	0.0000	SURCHARGED
60 minute winter	28	63	8.444	0.834	51.0	0.0000	0.0000	OK
60 minute winter	29	31	8.642	0.042	3.4	0.0137	0.0000	OK
60 minute winter	30	31	8.746	0.046	1.7	0.0116	0.0000	OK
60 minute winter	33	109	7.472	0.056	6.4	0.0089	0.0000	OK
60 minute winter	34	109	7.253	0.053	6.4	0.0000	0.0000	OK
60 minute winter	35	31	8.336	0.036	1.7	0.0049	0.0000	OK
60 minute winter	36	31	8.602	0.052	6.1	0.0095	0.0000	OK
60 minute winter	37	31	8.723	0.073	4.4	0.0328	0.0000	OK
60 minute winter	38	31	8.783	0.033	1.7	0.0095	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	25	Flow through pond	26	19.4	0.082	0.005	29.9065	
60 minute winter	26	1.016	27	7.0	0.514	0.475	0.0639	
60 minute winter	27	1.015	33	6.4	0.956	0.367	0.1104	
60 minute winter	28	Flow through pond	26	19.4	0.082	0.005	29.9065	
60 minute winter	29	1.020	23	3.4	0.724	0.161	0.0335	
60 minute winter	30	1.021	29	1.7	0.507	0.426	0.0758	
60 minute winter	33	1.014	34	6.4	1.105	0.272	0.0718	61.5
60 minute winter	35	1.027	12	1.7	0.827	0.255	0.0371	
60 minute winter	36	1.031	25	6.1	1.124	0.259	0.0279	
60 minute winter	37	1.033	36	4.4	0.855	0.869	0.0725	
60 minute winter	38	1.032	37	1.7	0.403	0.239	0.0305	

Results for 100 year +40% CC 120 minute summer. 360 minute analysis at 2 minute timestep. Mass balance: 57.42%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute summer	1	2	8.300	0.000	1.8	0.0000	0.0000	OK
120 minute summer	2	62	8.353	0.145	1.8	0.0476	0.0000	OK
120 minute summer	3	62	8.415	0.015	0.9	0.0037	0.0000	OK
120 minute summer	4	62	8.275	0.067	3.8	0.0235	0.0000	OK
120 minute summer	5	62	8.413	0.013	0.9	0.0030	0.0000	OK
120 minute summer	6	64	8.249	0.149	7.6	0.1684	0.0000	SURCHARGED
120 minute summer	7	62	8.248	0.048	1.5	0.0082	0.0000	OK
120 minute summer	8	62	8.425	0.025	2.2	0.0101	0.0000	OK
120 minute summer	9	62	8.518	0.018	1.1	0.0055	0.0000	OK
120 minute summer	11	62	8.319	0.019	0.9	0.0025	0.0000	OK
120 minute summer	12	62	8.219	0.019	1.8	0.0030	0.0000	OK
120 minute summer	13	62	8.132	0.032	2.7	0.0103	0.0000	OK
120 minute summer	14	62	8.111	0.011	0.4	0.0023	0.0000	OK
120 minute summer	15	62	8.112	0.012	0.4	0.0005	0.0000	OK
120 minute summer	16	62	8.091	0.091	11.9	0.1027	0.0000	OK
120 minute summer	17	60	8.615	0.015	0.5	0.0021	0.0000	OK
120 minute summer	18	60	8.514	0.012	0.7	0.0023	0.0000	OK
120 minute summer	19	66	7.961	0.061	13.3	0.0097	0.0000	OK
120 minute summer	20	62	8.013	0.013	0.5	0.0007	0.0000	OK
120 minute summer	21	64	8.722	0.022	0.5	0.0032	0.0000	OK
120 minute summer	22	64	8.624	0.024	1.0	0.0062	0.0000	OK
120 minute summer	23	62	8.537	0.037	3.3	0.0086	0.0000	OK
120 minute summer	24	78	7.951	0.341	6.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute summer	2	1.000	1	0.0	0.000	0.000	0.0000	0.0
120 minute summer	3	1.001	2	0.9	0.621	0.048	0.0026	
120 minute summer	4	1.002	2	-1.8	-0.299	-0.243	0.0312	
120 minute summer	4	1.029	6	3.7	0.548	0.605	0.0690	
120 minute summer	5	1.003	4	0.9	0.380	0.035	0.0033	
120 minute summer	6	1.028	16	7.1	0.903	1.202	0.0808	
120 minute summer	7	1.004	6	1.7	0.368	0.103	0.0083	
120 minute summer	8	1.005	6	2.2	0.387	0.062	0.0729	
120 minute summer	9	1.006	8	0.6	0.388	0.032	0.0137	
120 minute summer	9	1.030	8	0.5	0.383	0.074	0.0109	
120 minute summer	11	1.013	12	0.9	0.894	0.071	0.0023	
120 minute summer	12	1.008	16	1.8	0.339	0.033	0.0134	
120 minute summer	13	1.009	16	2.7	0.467	0.101	0.0312	
120 minute summer	14	1.010	16	0.4	0.077	0.011	0.0146	
120 minute summer	15	1.026	16	0.4	0.099	0.033	0.0100	
120 minute summer	16	1.011	19	12.1	1.355	0.582	0.0656	
120 minute summer	17	1.025	18	0.5	0.795	0.042	0.0016	
120 minute summer	18	1.012	19	0.7	0.231	0.014	0.0264	
120 minute summer	19	1.023	28	13.2	2.231	0.247	0.0128	
120 minute summer	20	1.024	19	0.5	0.210	0.037	0.0058	
120 minute summer	21	1.022	22	0.5	0.374	0.103	0.0204	
120 minute summer	22	1.019	23	1.0	0.401	0.055	0.0245	
120 minute summer	23	1.018	24	3.3	0.817	0.052	0.0110	
120 minute summer	24	Flow through pond	26	12.7	0.058	0.003	16.0459	

Results for 100 year +40% CC 120 minute summer. 360 minute analysis at 2 minute timestep. Mass balance: 57.42%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute summer	25	78	7.951	0.341	7.0	0.0000	0.0000	OK
120 minute summer	26	76	7.950	0.350	12.7	0.0000	0.0000	SURCHARGED
120 minute summer	27	78	7.944	0.369	6.6	0.4174	0.0000	SURCHARGED
120 minute summer	28	76	7.952	0.342	13.2	0.0000	0.0000	OK
120 minute summer	29	62	8.630	0.030	1.8	0.0098	0.0000	OK
120 minute summer	30	62	8.733	0.033	0.9	0.0082	0.0000	OK
120 minute summer	33	78	7.472	0.056	6.4	0.0089	0.0000	OK
120 minute summer	34	78	7.253	0.053	6.4	0.0000	0.0000	OK
120 minute summer	35	62	8.326	0.026	0.9	0.0035	0.0000	OK
120 minute summer	36	62	8.587	0.037	3.2	0.0068	0.0000	OK
120 minute summer	37	62	8.699	0.049	2.3	0.0218	0.0000	OK
120 minute summer	38	62	8.774	0.024	0.9	0.0069	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	25	Flow through pond	26	12.7	0.058	0.003	16.0459	
120 minute summer	26	1.016	27	6.6	0.389	0.453	0.0639	
120 minute summer	27	1.015	33	6.4	0.955	0.367	0.1104	
120 minute summer	28	Flow through pond	26	12.7	0.058	0.003	16.0459	
120 minute summer	29	1.020	23	1.8	0.620	0.085	0.0208	
120 minute summer	30	1.021	29	0.9	0.427	0.226	0.0477	
120 minute summer	33	1.014	34	6.4	1.105	0.272	0.0718	53.6
120 minute summer	35	1.027	12	0.9	0.687	0.135	0.0108	
120 minute summer	36	1.031	25	3.2	0.936	0.136	0.0176	
120 minute summer	37	1.033	36	2.3	0.716	0.455	0.0456	
120 minute summer	38	1.032	37	0.9	0.352	0.127	0.0189	

Results for 100 year +40% CC 120 minute winter. 360 minute analysis at 2 minute timestep. Mass balance: 73.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute winter	1	2	8.300	0.000	2.0	0.0000	0.0000	OK
120 minute winter	2	64	8.373	0.165	2.0	0.0540	0.0000	OK
120 minute winter	3	60	8.416	0.016	1.0	0.0039	0.0000	OK
120 minute winter	4	70	8.364	0.156	4.2	0.0549	0.0000	OK
120 minute winter	5	60	8.413	0.013	1.0	0.0031	0.0000	OK
120 minute winter	6	72	8.325	0.225	8.1	0.2549	0.0000	SURCHARGED
120 minute winter	7	72	8.326	0.126	2.8	0.0213	0.0000	SURCHARGED
120 minute winter	8	62	8.426	0.026	2.4	0.0106	0.0000	OK
120 minute winter	9	62	8.519	0.019	1.2	0.0058	0.0000	OK
120 minute winter	11	60	8.320	0.020	1.0	0.0026	0.0000	OK
120 minute winter	12	90	8.310	0.110	2.1	0.0175	0.0000	OK
120 minute winter	13	90	8.309	0.209	3.5	0.0667	0.0000	SURCHARGED
120 minute winter	14	90	8.310	0.210	3.7	0.0424	0.0000	SURCHARGED
120 minute winter	15	90	8.309	0.209	2.5	0.0090	0.0000	SURCHARGED
120 minute winter	16	90	8.311	0.311	13.4	0.3520	0.0000	SURCHARGED
120 minute winter	17	58	8.616	0.016	0.6	0.0023	0.0000	OK
120 minute winter	18	58	8.515	0.013	0.8	0.0024	0.0000	OK
120 minute winter	19	90	8.306	0.406	14.7	0.0646	0.0000	SURCHARGED
120 minute winter	20	90	8.308	0.308	5.0	0.0154	0.0000	SURCHARGED
120 minute winter	21	64	8.724	0.024	0.6	0.0035	0.0000	OK
120 minute winter	22	64	8.626	0.026	1.2	0.0068	0.0000	OK
120 minute winter	23	64	8.539	0.039	3.8	0.0092	0.0000	OK
120 minute winter	24	90	8.345	0.735	33.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute winter	2	1.000	1	0.0	0.000	0.000	0.0000	0.0
120 minute winter	3	1.001	2	1.0	0.765	0.053	0.0036	
120 minute winter	4	1.002	2	-2.0	-0.319	-0.267	0.0403	
120 minute winter	4	1.029	6	4.0	0.544	0.654	0.0808	
120 minute winter	5	1.003	4	1.0	0.452	0.038	0.0045	
120 minute winter	6	1.028	16	7.7	0.984	1.312	0.0827	
120 minute winter	7	1.004	6	1.6	0.650	0.102	0.0112	
120 minute winter	8	1.005	6	2.4	0.484	0.067	0.0743	
120 minute winter	9	1.006	8	0.7	0.399	0.035	0.0146	
120 minute winter	9	1.030	8	0.5	0.393	0.081	0.0116	
120 minute winter	11	1.013	12	1.0	0.923	0.079	0.0095	
120 minute winter	12	1.008	16	3.5	0.324	0.064	0.0340	
120 minute winter	13	1.009	16	-3.5	0.555	-0.133	0.0788	
120 minute winter	14	1.010	16	-3.7	-0.214	-0.104	0.0439	
120 minute winter	15	1.026	16	-2.5	-0.314	-0.201	0.0195	
120 minute winter	16	1.011	19	13.3	1.326	0.644	0.1298	
120 minute winter	17	1.025	18	0.6	0.848	0.050	0.0018	
120 minute winter	18	1.012	19	0.8	0.229	0.015	0.0662	
120 minute winter	19	1.023	28	27.7	2.242	0.516	0.0196	
120 minute winter	20	1.024	19	-4.9	-0.620	-0.364	0.0163	
120 minute winter	21	1.022	22	0.6	0.395	0.123	0.0232	
120 minute winter	22	1.019	23	1.2	0.429	0.066	0.0274	
120 minute winter	23	1.018	24	3.8	0.850	0.060	0.0124	
120 minute winter	24	Flow through pond	26	64.1	0.051	0.015	30.5245	

Results for 100 year +40% CC 120 minute winter. 360 minute analysis at 2 minute timestep. Mass balance: 73.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute winter	25	90	8.353	0.743	26.9	0.0000	0.0000	OK
120 minute winter	26	94	8.247	0.647	64.1	0.0000	0.0000	SURCHARGED
120 minute winter	27	94	8.243	0.668	6.7	0.7558	0.0000	SURCHARGED
120 minute winter	28	90	8.442	0.832	27.7	0.0000	0.0000	OK
120 minute winter	29	64	8.632	0.032	2.0	0.0103	0.0000	OK
120 minute winter	30	64	8.735	0.035	1.0	0.0087	0.0000	OK
120 minute winter	33	166	7.472	0.056	6.4	0.0089	0.0000	OK
120 minute winter	34	166	7.253	0.053	6.4	0.0000	0.0000	OK
120 minute winter	35	62	8.328	0.028	1.0	0.0037	0.0000	OK
120 minute winter	36	62	8.590	0.040	3.6	0.0072	0.0000	OK
120 minute winter	37	62	8.702	0.052	2.6	0.0234	0.0000	OK
120 minute winter	38	62	8.775	0.025	1.0	0.0073	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	25	Flow through pond	26	64.1	0.051	0.015	30.5245	
120 minute winter	26	1.016	27	6.7	0.439	0.458	0.0639	
120 minute winter	27	1.015	33	6.4	0.956	0.367	0.1104	
120 minute winter	28	Flow through pond	26	64.1	0.051	0.015	30.5245	
120 minute winter	29	1.020	23	2.0	0.629	0.095	0.0228	
120 minute winter	30	1.021	29	1.0	0.441	0.251	0.0515	
120 minute winter	33	1.014	34	6.4	1.105	0.272	0.0718	80.9
120 minute winter	35	1.027	12	1.0	0.708	0.150	0.0350	
120 minute winter	36	1.031	25	3.6	0.969	0.153	0.0192	
120 minute winter	37	1.033	36	2.6	0.743	0.514	0.0497	
120 minute winter	38	1.032	37	1.0	0.357	0.141	0.0206	

Results for 100 year +40% CC 180 minute summer. 420 minute analysis at 4 minute timestep. Mass balance: 84.30%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute summer	1	4	8.300	0.000	1.4	0.0000	0.0000	OK
180 minute summer	2	92	8.342	0.134	1.4	0.0440	0.0000	OK
180 minute summer	3	92	8.413	0.013	0.7	0.0033	0.0000	OK
180 minute summer	4	92	8.256	0.048	2.9	0.0167	0.0000	OK
180 minute summer	5	92	8.411	0.011	0.7	0.0026	0.0000	OK
180 minute summer	6	92	8.180	0.080	5.4	0.0906	0.0000	OK
180 minute summer	7	92	8.217	0.017	1.0	0.0029	0.0000	OK
180 minute summer	8	92	8.422	0.022	1.6	0.0086	0.0000	OK
180 minute summer	9	92	8.516	0.016	0.8	0.0047	0.0000	OK
180 minute summer	11	92	8.316	0.016	0.7	0.0022	0.0000	OK
180 minute summer	12	92	8.217	0.017	1.4	0.0026	0.0000	OK
180 minute summer	13	92	8.128	0.028	2.0	0.0089	0.0000	OK
180 minute summer	14	92	8.110	0.010	0.3	0.0020	0.0000	OK
180 minute summer	15	92	8.111	0.011	0.3	0.0005	0.0000	OK
180 minute summer	16	92	8.077	0.077	9.2	0.0870	0.0000	OK
180 minute summer	17	92	8.613	0.013	0.4	0.0019	0.0000	OK
180 minute summer	18	92	8.513	0.011	0.5	0.0019	0.0000	OK
180 minute summer	19	92	7.951	0.051	10.1	0.0081	0.0000	OK
180 minute summer	20	92	8.012	0.012	0.4	0.0006	0.0000	OK
180 minute summer	21	96	8.719	0.019	0.4	0.0029	0.0000	OK
180 minute summer	22	96	8.621	0.021	0.8	0.0056	0.0000	OK
180 minute summer	23	92	8.532	0.032	2.6	0.0075	0.0000	OK
180 minute summer	24	112	7.911	0.301	3.6	0.0000	0.0000	OK
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute summer	2	1.000	1	0.0	0.000	0.000	0.0000	0.0
180 minute summer	3	1.001	2	0.7	0.621	0.037	0.0020	
180 minute summer	4	1.002	2	-1.4	-0.235	-0.185	0.0299	
180 minute summer	4	1.029	6	2.8	0.539	0.460	0.0536	
180 minute summer	5	1.003	4	0.7	0.363	0.027	0.0022	
180 minute summer	6	1.028	16	5.3	0.802	0.901	0.0697	
180 minute summer	7	1.004	6	1.0	0.264	0.062	0.0054	
180 minute summer	8	1.005	6	1.6	0.310	0.044	0.0420	
180 minute summer	9	1.006	8	0.4	0.351	0.023	0.0109	
180 minute summer	9	1.030	8	0.4	0.348	0.054	0.0087	
180 minute summer	11	1.013	12	0.7	0.830	0.055	0.0019	
180 minute summer	12	1.008	16	1.4	0.295	0.025	0.0110	
180 minute summer	13	1.009	16	2.0	0.365	0.075	0.0254	
180 minute summer	14	1.010	16	0.3	0.069	0.008	0.0119	
180 minute summer	15	1.026	16	0.3	0.088	0.024	0.0086	
180 minute summer	16	1.011	19	9.2	1.276	0.442	0.0531	
180 minute summer	17	1.025	18	0.4	0.763	0.034	0.0013	
180 minute summer	18	1.012	19	0.5	0.217	0.010	0.0211	
180 minute summer	19	1.023	28	10.0	2.090	0.187	0.0097	
180 minute summer	20	1.024	19	0.4	0.205	0.030	0.0048	
180 minute summer	21	1.022	22	0.4	0.350	0.082	0.0175	
180 minute summer	22	1.019	23	0.8	0.383	0.044	0.0206	
180 minute summer	23	1.018	24	2.5	0.759	0.040	0.0091	
180 minute summer	24	Flow through pond	26	10.3	0.033	0.002	14.2493	

Results for 100 year +40% CC 180 minute summer. 420 minute analysis at 4 minute timestep. Mass balance: 84.30%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute summer	25	112	7.911	0.301	2.9	0.0000	0.0000	OK
180 minute summer	26	112	7.911	0.311	10.3	0.0000	0.0000	SURCHARGED
180 minute summer	27	112	7.904	0.329	6.5	0.3726	0.0000	SURCHARGED
180 minute summer	28	112	7.913	0.303	10.0	0.0000	0.0000	OK
180 minute summer	29	92	8.626	0.026	1.4	0.0085	0.0000	OK
180 minute summer	30	92	8.729	0.029	0.7	0.0071	0.0000	OK
180 minute summer	33	112	7.472	0.056	6.4	0.0089	0.0000	OK
180 minute summer	34	112	7.253	0.053	6.4	0.0000	0.0000	OK
180 minute summer	35	92	8.323	0.023	0.7	0.0031	0.0000	OK
180 minute summer	36	92	8.583	0.033	2.5	0.0059	0.0000	OK
180 minute summer	37	92	8.692	0.042	1.8	0.0188	0.0000	OK
180 minute summer	38	92	8.771	0.021	0.7	0.0060	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	25	Flow through pond	26	10.3	0.033	0.002	14.2493	
180 minute summer	26	1.016	27	6.5	0.386	0.440	0.0639	
180 minute summer	27	1.015	33	6.4	0.955	0.366	0.1101	
180 minute summer	28	Flow through pond	26	10.3	0.033	0.002	14.2493	
180 minute summer	29	1.020	23	1.4	0.570	0.065	0.0171	
180 minute summer	30	1.021	29	0.7	0.396	0.171	0.0391	
180 minute summer	33	1.014	34	6.4	1.103	0.271	0.0716	49.4
180 minute summer	35	1.027	12	0.7	0.634	0.103	0.0090	
180 minute summer	36	1.031	25	2.4	0.864	0.103	0.0145	
180 minute summer	37	1.033	36	1.8	0.663	0.348	0.0377	
180 minute summer	38	1.032	37	0.7	0.328	0.097	0.0156	

Results for 100 year +40% CC 180 minute winter. 420 minute analysis at 4 minute timestep. Mass balance: 79.88%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute winter	1	4	8.300	0.000	1.5	0.0000	0.0000	OK
180 minute winter	2	92	8.343	0.135	1.4	0.0443	0.0000	OK
180 minute winter	3	88	8.413	0.013	0.7	0.0033	0.0000	OK
180 minute winter	4	92	8.257	0.049	3.0	0.0173	0.0000	OK
180 minute winter	5	88	8.411	0.011	0.7	0.0026	0.0000	OK
180 minute winter	6	128	8.237	0.137	5.8	0.1551	0.0000	SURCHARGED
180 minute winter	7	128	8.237	0.037	1.0	0.0062	0.0000	OK
180 minute winter	8	92	8.423	0.023	1.8	0.0092	0.0000	OK
180 minute winter	9	92	8.517	0.017	0.9	0.0050	0.0000	OK
180 minute winter	11	88	8.316	0.016	0.7	0.0022	0.0000	OK
180 minute winter	12	128	8.223	0.023	1.4	0.0037	0.0000	OK
180 minute winter	13	128	8.224	0.124	2.2	0.0397	0.0000	OK
180 minute winter	14	128	8.223	0.123	0.9	0.0248	0.0000	OK
180 minute winter	15	128	8.223	0.123	0.4	0.0053	0.0000	SURCHARGED
180 minute winter	16	128	8.221	0.221	10.0	0.2495	0.0000	SURCHARGED
180 minute winter	17	84	8.613	0.013	0.4	0.0019	0.0000	OK
180 minute winter	18	84	8.513	0.011	0.5	0.0019	0.0000	OK
180 minute winter	19	128	8.209	0.309	10.9	0.0491	0.0000	SURCHARGED
180 minute winter	20	128	8.221	0.221	1.9	0.0111	0.0000	SURCHARGED
180 minute winter	21	92	8.719	0.019	0.4	0.0029	0.0000	OK
180 minute winter	22	92	8.621	0.021	0.8	0.0056	0.0000	OK
180 minute winter	23	92	8.532	0.032	2.6	0.0076	0.0000	OK
180 minute winter	24	132	8.194	0.584	14.7	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute winter	2	1.000	1	0.0	0.000	0.000	0.0000	0.0
180 minute winter	3	1.001	2	0.7	0.621	0.037	0.0020	
180 minute winter	4	1.002	2	-1.4	-0.240	-0.189	0.0300	
180 minute winter	4	1.029	6	3.0	0.533	0.486	0.0578	
180 minute winter	5	1.003	4	0.7	0.362	0.027	0.0023	
180 minute winter	6	1.028	16	5.8	0.837	0.988	0.0827	
180 minute winter	7	1.004	6	1.0	0.323	0.062	0.0075	
180 minute winter	8	1.005	6	1.8	0.342	0.051	0.0667	
180 minute winter	9	1.006	8	0.5	0.365	0.026	0.0119	
180 minute winter	9	1.030	8	0.4	0.361	0.061	0.0095	
180 minute winter	11	1.013	12	0.7	0.830	0.055	0.0021	
180 minute winter	12	1.008	16	1.4	0.308	0.026	0.0209	
180 minute winter	13	1.009	16	2.2	0.380	0.083	0.0742	
180 minute winter	14	1.010	16	-0.7	0.074	-0.020	0.0411	
180 minute winter	15	1.026	16	1.5	0.237	0.126	0.0195	
180 minute winter	16	1.011	19	10.0	1.258	0.483	0.1298	
180 minute winter	17	1.025	18	0.4	0.763	0.034	0.0013	
180 minute winter	18	1.012	19	0.5	0.208	0.010	0.0654	
180 minute winter	19	1.023	28	10.9	2.063	0.202	0.0196	
180 minute winter	20	1.024	19	1.1	0.195	0.086	0.0163	
180 minute winter	21	1.022	22	0.4	0.350	0.082	0.0175	
180 minute winter	22	1.019	23	0.8	0.383	0.044	0.0208	
180 minute winter	23	1.018	24	2.6	0.873	0.041	0.0093	
180 minute winter	24	Flow through pond	26	11.1	0.053	0.003	26.5710	

Results for 100 year +40% CC 180 minute winter. 420 minute analysis at 4 minute timestep. Mass balance: 79.88%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute winter	25	128	8.217	0.607	14.0	0.0000	0.0000	OK
180 minute winter	26	132	8.176	0.576	11.1	0.0000	0.0000	SURCHARGED
180 minute winter	27	132	8.171	0.596	6.6	0.6744	0.0000	SURCHARGED
180 minute winter	28	128	8.317	0.707	10.9	0.0000	0.0000	OK
180 minute winter	29	92	8.626	0.026	1.4	0.0086	0.0000	OK
180 minute winter	30	92	8.729	0.029	0.7	0.0072	0.0000	OK
180 minute winter	33	192	7.472	0.056	6.4	0.0089	0.0000	OK
180 minute winter	34	192	7.253	0.053	6.4	0.0000	0.0000	OK
180 minute winter	35	88	8.323	0.023	0.7	0.0031	0.0000	OK
180 minute winter	36	92	8.584	0.034	2.6	0.0061	0.0000	OK
180 minute winter	37	92	8.694	0.044	1.9	0.0196	0.0000	OK
180 minute winter	38	88	8.771	0.021	0.7	0.0061	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	25	Flow through pond	26	11.1	0.053	0.003	26.5710	
180 minute winter	26	1.016	27	6.6	0.376	0.450	0.0639	
180 minute winter	27	1.015	33	6.4	0.956	0.367	0.1104	
180 minute winter	28	Flow through pond	26	11.1	0.053	0.003	26.5710	
180 minute winter	29	1.020	23	1.4	0.576	0.067	0.0174	
180 minute winter	30	1.021	29	0.7	0.399	0.176	0.0398	
180 minute winter	33	1.014	34	6.4	1.105	0.272	0.0718	84.0
180 minute winter	35	1.027	12	0.7	0.637	0.105	0.0091	
180 minute winter	36	1.031	25	2.6	0.882	0.110	0.0152	
180 minute winter	37	1.033	36	1.9	0.681	0.376	0.0397	
180 minute winter	38	1.032	37	0.7	0.327	0.099	0.0163	

Results for 100 year +40% CC 240 minute summer. 480 minute analysis at 4 minute timestep. Mass balance: 84.11%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute summer	1	4	8.300	0.000	1.1	0.0000	0.0000	OK
240 minute summer	2	124	8.333	0.125	1.0	0.0410	0.0000	OK
240 minute summer	3	120	8.411	0.011	0.5	0.0028	0.0000	OK
240 minute summer	4	124	8.248	0.040	2.1	0.0141	0.0000	OK
240 minute summer	5	120	8.410	0.010	0.5	0.0023	0.0000	OK
240 minute summer	6	124	8.164	0.064	4.0	0.0721	0.0000	OK
240 minute summer	7	124	8.214	0.014	0.7	0.0024	0.0000	OK
240 minute summer	8	124	8.419	0.019	1.2	0.0076	0.0000	OK
240 minute summer	9	124	8.514	0.014	0.6	0.0041	0.0000	OK
240 minute summer	11	120	8.314	0.014	0.5	0.0019	0.0000	OK
240 minute summer	12	124	8.214	0.014	1.0	0.0023	0.0000	OK
240 minute summer	13	124	8.125	0.025	1.6	0.0080	0.0000	OK
240 minute summer	14	120	8.108	0.008	0.2	0.0016	0.0000	OK
240 minute summer	15	120	8.109	0.009	0.2	0.0004	0.0000	OK
240 minute summer	16	124	8.066	0.066	7.0	0.0745	0.0000	OK
240 minute summer	17	120	8.611	0.011	0.3	0.0016	0.0000	OK
240 minute summer	18	120	8.512	0.010	0.4	0.0018	0.0000	OK
240 minute summer	19	124	7.944	0.044	7.7	0.0070	0.0000	OK
240 minute summer	20	120	8.010	0.010	0.3	0.0005	0.0000	OK
240 minute summer	21	124	8.717	0.017	0.3	0.0025	0.0000	OK
240 minute summer	22	128	8.619	0.019	0.6	0.0048	0.0000	OK
240 minute summer	23	128	8.528	0.028	1.9	0.0065	0.0000	OK
240 minute summer	24	140	7.862	0.252	6.1	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute summer	2	1.000	1	0.0	0.000	0.000	0.0000	0.0
240 minute summer	3	1.001	2	0.5	0.621	0.027	0.0014	
240 minute summer	4	1.002	2	-1.0	-0.178	-0.135	0.0287	
240 minute summer	4	1.029	6	2.1	0.518	0.340	0.0424	
240 minute summer	5	1.003	4	0.5	0.343	0.019	0.0018	
240 minute summer	6	1.028	16	4.0	0.745	0.682	0.0567	
240 minute summer	7	1.004	6	0.7	0.258	0.043	0.0043	
240 minute summer	8	1.005	6	1.2	0.306	0.034	0.0318	
240 minute summer	9	1.006	8	0.3	0.323	0.017	0.0089	
240 minute summer	9	1.030	8	0.3	0.320	0.041	0.0072	
240 minute summer	11	1.013	12	0.5	0.753	0.039	0.0015	
240 minute summer	12	1.008	16	1.0	0.280	0.018	0.0090	
240 minute summer	13	1.009	16	1.6	0.358	0.060	0.0209	
240 minute summer	14	1.010	16	0.2	0.069	0.006	0.0097	
240 minute summer	15	1.026	16	0.2	0.085	0.016	0.0072	
240 minute summer	16	1.011	19	7.0	1.200	0.338	0.0433	
240 minute summer	17	1.025	18	0.3	0.689	0.025	0.0011	
240 minute summer	18	1.012	19	0.4	0.205	0.008	0.0172	
240 minute summer	19	1.023	28	7.7	1.961	0.143	0.0055	
240 minute summer	20	1.024	19	0.3	0.189	0.022	0.0039	
240 minute summer	21	1.022	22	0.3	0.320	0.062	0.0143	
240 minute summer	22	1.019	23	0.6	0.347	0.033	0.0168	
240 minute summer	23	1.018	24	1.9	0.698	0.030	0.0074	
240 minute summer	24	Flow through pond	26	8.6	0.062	0.002	11.9536	

Results for 100 year +40% CC 240 minute summer. 480 minute analysis at 4 minute timestep. Mass balance: 84.11%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute summer	25	140	7.862	0.252	4.6	0.0000	0.0000	OK
240 minute summer	26	140	7.862	0.262	8.6	0.0000	0.0000	SURCHARGED
240 minute summer	27	140	7.855	0.280	6.3	0.3170	0.0000	SURCHARGED
240 minute summer	28	140	7.864	0.254	12.8	0.0000	0.0000	OK
240 minute summer	29	124	8.622	0.022	1.0	0.0073	0.0000	OK
240 minute summer	30	124	8.724	0.024	0.5	0.0061	0.0000	OK
240 minute summer	33	144	7.471	0.055	6.3	0.0088	0.0000	OK
240 minute summer	34	144	7.253	0.053	6.3	0.0000	0.0000	OK
240 minute summer	35	124	8.319	0.019	0.5	0.0026	0.0000	OK
240 minute summer	36	124	8.578	0.028	1.8	0.0051	0.0000	OK
240 minute summer	37	124	8.686	0.036	1.3	0.0160	0.0000	OK
240 minute summer	38	124	8.768	0.018	0.5	0.0051	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	25	Flow through pond	26	8.6	0.062	0.002	11.9536	
240 minute summer	26	1.016	27	6.3	0.413	0.428	0.0639	
240 minute summer	27	1.015	33	6.3	0.950	0.359	0.1087	
240 minute summer	28	Flow through pond	26	8.6	0.062	0.002	11.9536	
240 minute summer	29	1.020	23	1.0	0.519	0.048	0.0138	
240 minute summer	30	1.021	29	0.5	0.362	0.126	0.0313	
240 minute summer	33	1.014	34	6.3	1.098	0.267	0.0707	51.2
240 minute summer	35	1.027	12	0.5	0.576	0.075	0.0072	
240 minute summer	36	1.031	25	1.8	0.791	0.076	0.0117	
240 minute summer	37	1.033	36	1.3	0.608	0.257	0.0304	
240 minute summer	38	1.032	37	0.5	0.309	0.070	0.0125	

Results for 100 year +40% CC 240 minute winter. 480 minute analysis at 4 minute timestep. Mass balance: 90.75%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute winter	1	4	8.300	0.000	1.2	0.0000	0.0000	OK
240 minute winter	2	120	8.338	0.130	1.2	0.0426	0.0000	OK
240 minute winter	3	116	8.412	0.012	0.6	0.0031	0.0000	OK
240 minute winter	4	120	8.252	0.044	2.5	0.0156	0.0000	OK
240 minute winter	5	116	8.411	0.011	0.6	0.0025	0.0000	OK
240 minute winter	6	124	8.172	0.072	4.7	0.0814	0.0000	OK
240 minute winter	7	116	8.215	0.015	0.8	0.0026	0.0000	OK
240 minute winter	8	116	8.420	0.020	1.4	0.0081	0.0000	OK
240 minute winter	9	116	8.515	0.015	0.7	0.0045	0.0000	OK
240 minute winter	11	116	8.315	0.015	0.6	0.0020	0.0000	OK
240 minute winter	12	120	8.215	0.015	1.2	0.0025	0.0000	OK
240 minute winter	13	124	8.126	0.026	1.8	0.0084	0.0000	OK
240 minute winter	14	164	8.113	0.013	0.2	0.0026	0.0000	OK
240 minute winter	15	164	8.113	0.013	0.2	0.0006	0.0000	OK
240 minute winter	16	164	8.113	0.113	8.1	0.1276	0.0000	OK
240 minute winter	17	124	8.613	0.013	0.4	0.0019	0.0000	OK
240 minute winter	18	124	8.513	0.011	0.5	0.0019	0.0000	OK
240 minute winter	19	164	8.109	0.209	9.0	0.0332	0.0000	SURCHARGED
240 minute winter	20	164	8.110	0.110	0.9	0.0055	0.0000	SURCHARGED
240 minute winter	21	124	8.719	0.019	0.4	0.0029	0.0000	OK
240 minute winter	22	124	8.621	0.021	0.8	0.0056	0.0000	OK
240 minute winter	23	124	8.531	0.031	2.4	0.0073	0.0000	OK
240 minute winter	24	168	8.105	0.495	5.2	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute winter	2	1.000	1	0.0	0.000	0.000	0.0000	0.0
240 minute winter	3	1.001	2	0.6	0.621	0.032	0.0017	
240 minute winter	4	1.002	2	-1.2	-0.210	-0.162	0.0294	
240 minute winter	4	1.029	6	2.5	0.532	0.405	0.0483	
240 minute winter	5	1.003	4	0.6	0.349	0.023	0.0020	
240 minute winter	6	1.028	16	4.7	0.799	0.801	0.0635	
240 minute winter	7	1.004	6	0.8	0.355	0.050	0.0048	
240 minute winter	8	1.005	6	1.4	0.373	0.039	0.0369	
240 minute winter	9	1.006	8	0.4	0.338	0.020	0.0100	
240 minute winter	9	1.030	8	0.3	0.335	0.047	0.0080	
240 minute winter	11	1.013	12	0.6	0.795	0.047	0.0017	
240 minute winter	12	1.008	16	1.2	0.298	0.022	0.0160	
240 minute winter	13	1.009	16	1.8	0.415	0.068	0.0345	
240 minute winter	14	1.010	16	0.2	0.074	0.006	0.0186	
240 minute winter	15	1.026	16	0.2	0.091	0.016	0.0105	
240 minute winter	16	1.011	19	8.1	1.228	0.391	0.1173	
240 minute winter	17	1.025	18	0.4	0.763	0.034	0.0013	
240 minute winter	18	1.012	19	0.5	0.208	0.010	0.0652	
240 minute winter	19	1.023	28	9.0	2.027	0.168	0.0196	
240 minute winter	20	1.024	19	-0.8	0.205	-0.057	0.0163	
240 minute winter	21	1.022	22	0.4	0.350	0.082	0.0175	
240 minute winter	22	1.019	23	0.8	0.386	0.044	0.0201	
240 minute winter	23	1.018	24	2.4	0.747	0.038	0.0088	
240 minute winter	24	Flow through pond	26	26.4	0.036	0.006	23.3211	

Results for 100 year +40% CC 240 minute winter. 480 minute analysis at 4 minute timestep. Mass balance: 90.75%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute winter	25	168	8.117	0.507	9.2	0.0000	0.0000	OK
240 minute winter	26	164	8.106	0.506	26.4	0.0000	0.0000	SURCHARGED
240 minute winter	27	164	8.099	0.524	6.7	0.5925	0.0000	SURCHARGED
240 minute winter	28	164	8.109	0.499	10.0	0.0000	0.0000	OK
240 minute winter	29	132	8.624	0.024	1.2	0.0080	0.0000	OK
240 minute winter	30	124	8.727	0.027	0.6	0.0067	0.0000	OK
240 minute winter	33	212	7.472	0.056	6.4	0.0089	0.0000	OK
240 minute winter	34	212	7.253	0.053	6.4	0.0000	0.0000	OK
240 minute winter	35	120	8.321	0.021	0.6	0.0029	0.0000	OK
240 minute winter	36	120	8.580	0.030	2.1	0.0055	0.0000	OK
240 minute winter	37	120	8.688	0.038	1.5	0.0173	0.0000	OK
240 minute winter	38	120	8.770	0.020	0.6	0.0056	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	25	Flow through pond	26	26.4	0.036	0.006	23.3211	
240 minute winter	26	1.016	27	6.7	0.382	0.455	0.0639	
240 minute winter	27	1.015	33	6.4	0.955	0.367	0.1104	
240 minute winter	28	Flow through pond	26	26.4	0.036	0.006	23.3211	
240 minute winter	29	1.020	23	1.2	0.564	0.057	0.0160	
240 minute winter	30	1.021	29	0.6	0.382	0.151	0.0357	
240 minute winter	33	1.014	34	6.4	1.105	0.272	0.0718	82.9
240 minute winter	35	1.027	12	0.6	0.608	0.090	0.0081	
240 minute winter	36	1.031	25	2.1	0.828	0.089	0.0131	
240 minute winter	37	1.033	36	1.5	0.632	0.297	0.0338	
240 minute winter	38	1.032	37	0.6	0.319	0.085	0.0140	

Results for 100 year +40% CC 360 minute summer. 600 minute analysis at 8 minute timestep. Mass balance: 78.07%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute summer	1	8	8.300	0.000	0.8	0.0000	0.0000	OK
360 minute summer	2	184	8.328	0.120	0.8	0.0392	0.0000	OK
360 minute summer	3	184	8.410	0.010	0.4	0.0025	0.0000	OK
360 minute summer	4	184	8.243	0.035	1.7	0.0125	0.0000	OK
360 minute summer	5	184	8.409	0.009	0.4	0.0020	0.0000	OK
360 minute summer	6	184	8.155	0.055	3.3	0.0622	0.0000	OK
360 minute summer	7	184	8.213	0.013	0.6	0.0022	0.0000	OK
360 minute summer	8	184	8.417	0.017	1.0	0.0069	0.0000	OK
360 minute summer	9	184	8.513	0.013	0.5	0.0038	0.0000	OK
360 minute summer	11	184	8.312	0.012	0.4	0.0017	0.0000	OK
360 minute summer	12	184	8.213	0.013	0.8	0.0020	0.0000	OK
360 minute summer	13	184	8.122	0.022	1.2	0.0069	0.0000	OK
360 minute summer	14	184	8.108	0.008	0.2	0.0016	0.0000	OK
360 minute summer	15	184	8.109	0.009	0.2	0.0004	0.0000	OK
360 minute summer	16	184	8.058	0.058	5.6	0.0655	0.0000	OK
360 minute summer	17	176	8.609	0.009	0.2	0.0013	0.0000	OK
360 minute summer	18	176	8.510	0.008	0.3	0.0015	0.0000	OK
360 minute summer	19	184	7.938	0.038	6.0	0.0061	0.0000	OK
360 minute summer	20	176	8.009	0.009	0.2	0.0004	0.0000	OK
360 minute summer	21	184	8.714	0.014	0.2	0.0021	0.0000	OK
360 minute summer	22	184	8.615	0.015	0.4	0.0040	0.0000	OK
360 minute summer	23	184	8.524	0.024	1.4	0.0055	0.0000	OK
360 minute summer	24	200	7.801	0.191	1.7	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute summer	2	1.000	1	0.0	0.000	0.000	0.0000	0.0
360 minute summer	3	1.001	2	0.4	0.611	0.021	0.0011	
360 minute summer	4	1.002	2	-0.8	-0.143	-0.106	0.0280	
360 minute summer	4	1.029	6	1.7	0.485	0.270	0.0356	
360 minute summer	5	1.003	4	0.4	0.314	0.015	0.0015	
360 minute summer	6	1.028	16	3.2	0.705	0.547	0.0482	
360 minute summer	7	1.004	6	0.6	0.448	0.037	0.0036	
360 minute summer	8	1.005	6	1.0	0.303	0.028	0.0263	
360 minute summer	9	1.006	8	0.3	0.304	0.014	0.0078	
360 minute summer	9	1.030	8	0.2	0.302	0.034	0.0063	
360 minute summer	11	1.013	12	0.4	0.704	0.031	0.0013	
360 minute summer	12	1.008	16	0.8	0.249	0.014	0.0076	
360 minute summer	13	1.009	16	1.2	0.320	0.045	0.0175	
360 minute summer	14	1.010	16	0.2	0.072	0.005	0.0083	
360 minute summer	15	1.026	16	0.2	0.087	0.016	0.0063	
360 minute summer	16	1.011	19	5.5	1.137	0.267	0.0362	
360 minute summer	17	1.025	18	0.2	0.595	0.017	0.0009	
360 minute summer	18	1.012	19	0.3	0.212	0.006	0.0141	
360 minute summer	19	1.023	28	6.0	1.846	0.112	0.0036	
360 minute summer	20	1.024	19	0.2	0.187	0.015	0.0032	
360 minute summer	21	1.022	22	0.2	0.283	0.041	0.0108	
360 minute summer	22	1.019	23	0.4	0.315	0.022	0.0131	
360 minute summer	23	1.018	24	1.4	0.634	0.022	0.0059	
360 minute summer	24	Flow through pond	26	7.0	0.048	0.002	9.0964	

Results for 100 year +40% CC 360 minute summer. 600 minute analysis at 8 minute timestep. Mass balance: 78.07%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute summer	25	200	7.801	0.191	2.1	0.0000	0.0000	OK
360 minute summer	26	200	7.800	0.200	7.0	0.0000	0.0000	SURCHARGED
360 minute summer	27	200	7.795	0.220	6.0	0.2483	0.0000	SURCHARGED
360 minute summer	28	200	7.802	0.192	6.0	0.0000	0.0000	OK
360 minute summer	29	184	8.620	0.020	0.8	0.0064	0.0000	OK
360 minute summer	30	184	8.721	0.021	0.4	0.0054	0.0000	OK
360 minute summer	33	208	7.470	0.054	5.9	0.0085	0.0000	OK
360 minute summer	34	208	7.251	0.051	5.9	0.0000	0.0000	OK
360 minute summer	35	184	8.317	0.017	0.4	0.0023	0.0000	OK
360 minute summer	36	184	8.575	0.025	1.4	0.0045	0.0000	OK
360 minute summer	37	184	8.681	0.031	1.0	0.0138	0.0000	OK
360 minute summer	38	184	8.766	0.016	0.4	0.0046	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	25	Flow through pond	26	7.0	0.048	0.002	9.0964	
360 minute summer	26	1.016	27	6.0	0.338	0.406	0.0639	
360 minute summer	27	1.015	33	5.9	0.938	0.341	0.1044	
360 minute summer	28	Flow through pond	26	7.0	0.048	0.002	9.0964	
360 minute summer	29	1.020	23	0.8	0.496	0.037	0.0112	
360 minute summer	30	1.021	29	0.4	0.335	0.098	0.0263	
360 minute summer	33	1.014	34	5.9	1.083	0.253	0.0680	54.6
360 minute summer	35	1.027	12	0.4	0.536	0.059	0.0061	
360 minute summer	36	1.031	25	1.4	0.729	0.058	0.0097	
360 minute summer	37	1.033	36	1.0	0.557	0.194	0.0250	
360 minute summer	38	1.032	37	0.4	0.284	0.056	0.0103	

Results for 100 year +40% CC 360 minute winter. 600 minute analysis at 8 minute timestep. Mass balance: 76.35%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute winter	1	8	8.300	0.000	0.9	0.0000	0.0000	OK
360 minute winter	2	168	8.328	0.120	0.8	0.0393	0.0000	OK
360 minute winter	3	168	8.410	0.010	0.4	0.0025	0.0000	OK
360 minute winter	4	176	8.244	0.036	1.7	0.0126	0.0000	OK
360 minute winter	5	168	8.409	0.009	0.4	0.0020	0.0000	OK
360 minute winter	6	192	8.156	0.056	3.3	0.0633	0.0000	OK
360 minute winter	7	176	8.213	0.013	0.6	0.0022	0.0000	OK
360 minute winter	8	176	8.417	0.017	1.0	0.0069	0.0000	OK
360 minute winter	9	176	8.513	0.013	0.5	0.0038	0.0000	OK
360 minute winter	11	168	8.312	0.012	0.4	0.0017	0.0000	OK
360 minute winter	12	168	8.213	0.013	0.8	0.0020	0.0000	OK
360 minute winter	13	184	8.123	0.023	1.3	0.0072	0.0000	OK
360 minute winter	14	176	8.108	0.008	0.2	0.0016	0.0000	OK
360 minute winter	15	176	8.109	0.009	0.2	0.0004	0.0000	OK
360 minute winter	16	200	8.060	0.060	5.8	0.0673	0.0000	OK
360 minute winter	17	184	8.611	0.011	0.3	0.0016	0.0000	OK
360 minute winter	18	184	8.512	0.010	0.4	0.0018	0.0000	OK
360 minute winter	19	232	7.973	0.073	6.5	0.0115	0.0000	OK
360 minute winter	20	184	8.010	0.010	0.3	0.0005	0.0000	OK
360 minute winter	21	192	8.717	0.017	0.3	0.0025	0.0000	OK
360 minute winter	22	192	8.619	0.019	0.6	0.0048	0.0000	OK
360 minute winter	23	192	8.526	0.026	1.7	0.0062	0.0000	OK
360 minute winter	24	232	7.969	0.359	1.7	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute winter	2	1.000	1	0.0	0.000	0.000	0.0000	0.0
360 minute winter	3	1.001	2	0.4	0.611	0.021	0.0012	
360 minute winter	4	1.002	2	-0.8	-0.146	-0.108	0.0280	
360 minute winter	4	1.029	6	1.7	0.493	0.275	0.0363	
360 minute winter	5	1.003	4	0.4	0.322	0.015	0.0015	
360 minute winter	6	1.028	16	3.3	0.712	0.562	0.0495	
360 minute winter	7	1.004	6	0.6	0.251	0.037	0.0037	
360 minute winter	8	1.005	6	1.0	0.300	0.028	0.0269	
360 minute winter	9	1.006	8	0.3	0.304	0.014	0.0079	
360 minute winter	9	1.030	8	0.2	0.303	0.034	0.0063	
360 minute winter	11	1.013	12	0.4	0.704	0.031	0.0013	
360 minute winter	12	1.008	16	0.8	0.269	0.015	0.0078	
360 minute winter	13	1.009	16	1.3	0.338	0.049	0.0182	
360 minute winter	14	1.010	16	0.2	0.072	0.006	0.0086	
360 minute winter	15	1.026	16	0.2	0.087	0.016	0.0065	
360 minute winter	16	1.011	19	5.8	1.210	0.280	0.0482	
360 minute winter	17	1.025	18	0.3	0.689	0.025	0.0011	
360 minute winter	18	1.012	19	0.4	0.212	0.008	0.0318	
360 minute winter	19	1.023	28	8.0	1.853	0.149	0.0145	
360 minute winter	20	1.024	19	0.3	0.197	0.022	0.0067	
360 minute winter	21	1.022	22	0.3	0.320	0.062	0.0143	
360 minute winter	22	1.019	23	0.6	0.363	0.033	0.0160	
360 minute winter	23	1.018	24	1.7	0.676	0.027	0.0069	
360 minute winter	24	Flow through pond	26	11.1	0.038	0.003	16.9111	

Results for 100 year +40% CC 360 minute winter. 600 minute analysis at 8 minute timestep. Mass balance: 76.35%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute winter	25	232	7.969	0.359	11.1	0.0000	0.0000	OK
360 minute winter	26	232	7.968	0.368	11.1	0.0000	0.0000	SURCHARGED
360 minute winter	27	232	7.961	0.386	6.7	0.4369	0.0000	SURCHARGED
360 minute winter	28	232	7.972	0.362	8.0	0.0000	0.0000	OK
360 minute winter	29	176	8.620	0.020	0.8	0.0065	0.0000	OK
360 minute winter	30	176	8.722	0.022	0.4	0.0054	0.0000	OK
360 minute winter	33	216	7.472	0.056	6.4	0.0089	0.0000	OK
360 minute winter	34	216	7.253	0.053	6.4	0.0000	0.0000	OK
360 minute winter	35	168	8.317	0.017	0.4	0.0024	0.0000	OK
360 minute winter	36	184	8.576	0.026	1.5	0.0047	0.0000	OK
360 minute winter	37	184	8.683	0.033	1.1	0.0147	0.0000	OK
360 minute winter	38	168	8.766	0.016	0.4	0.0046	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	25	Flow through pond	26	11.1	0.038	0.003	16.9111	
360 minute winter	26	1.016	27	6.7	0.378	0.453	0.0639	
360 minute winter	27	1.015	33	6.4	0.955	0.367	0.1104	
360 minute winter	28	Flow through pond	26	11.1	0.038	0.003	16.9111	
360 minute winter	29	1.020	23	0.8	0.502	0.038	0.0123	
360 minute winter	30	1.021	29	0.4	0.338	0.101	0.0268	
360 minute winter	33	1.014	34	6.4	1.105	0.272	0.0718	102.9
360 minute winter	35	1.027	12	0.4	0.538	0.060	0.0061	
360 minute winter	36	1.031	25	1.5	0.749	0.064	0.0103	
360 minute winter	37	1.033	36	1.1	0.580	0.218	0.0270	
360 minute winter	38	1.032	37	0.4	0.285	0.056	0.0110	

Results for 100 year +40% CC 480 minute summer. 720 minute analysis at 8 minute timestep. Mass balance: 72.26%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute summer	1	8	8.300	0.000	0.6	0.0000	0.0000	OK
480 minute summer	2	240	8.323	0.115	0.6	0.0377	0.0000	OK
480 minute summer	3	240	8.409	0.009	0.3	0.0022	0.0000	OK
480 minute summer	4	248	8.239	0.031	1.3	0.0110	0.0000	OK
480 minute summer	5	240	8.408	0.008	0.3	0.0018	0.0000	OK
480 minute summer	6	248	8.147	0.047	2.5	0.0532	0.0000	OK
480 minute summer	7	240	8.211	0.011	0.4	0.0019	0.0000	OK
480 minute summer	8	248	8.416	0.016	0.8	0.0062	0.0000	OK
480 minute summer	9	248	8.511	0.011	0.4	0.0034	0.0000	OK
480 minute summer	11	240	8.311	0.011	0.3	0.0015	0.0000	OK
480 minute summer	12	240	8.211	0.011	0.6	0.0018	0.0000	OK
480 minute summer	13	248	8.119	0.019	0.9	0.0060	0.0000	OK
480 minute summer	14	208	8.106	0.006	0.1	0.0012	0.0000	OK
480 minute summer	15	208	8.107	0.007	0.1	0.0003	0.0000	OK
480 minute summer	16	248	8.050	0.050	4.2	0.0563	0.0000	OK
480 minute summer	17	240	8.609	0.009	0.2	0.0013	0.0000	OK
480 minute summer	18	240	8.510	0.008	0.3	0.0015	0.0000	OK
480 minute summer	19	248	7.933	0.033	4.7	0.0053	0.0000	OK
480 minute summer	20	240	8.009	0.009	0.2	0.0004	0.0000	OK
480 minute summer	21	248	8.714	0.014	0.2	0.0021	0.0000	OK
480 minute summer	22	248	8.615	0.015	0.4	0.0040	0.0000	OK
480 minute summer	23	248	8.522	0.022	1.2	0.0052	0.0000	OK
480 minute summer	24	264	7.778	0.168	2.4	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute summer	2	1.000	1	0.0	0.000	0.000	0.0000	0.0
480 minute summer	3	1.001	2	0.3	0.611	0.016	0.0009	
480 minute summer	4	1.002	2	-0.6	-0.112	-0.081	0.0273	
480 minute summer	4	1.029	6	1.3	0.461	0.210	0.0294	
480 minute summer	5	1.003	4	0.3	0.314	0.012	0.0012	
480 minute summer	6	1.028	16	2.5	0.665	0.426	0.0397	
480 minute summer	7	1.004	6	0.4	0.447	0.025	0.0029	
480 minute summer	8	1.005	6	0.8	0.300	0.022	0.0215	
480 minute summer	9	1.006	8	0.2	0.285	0.012	0.0067	
480 minute summer	9	1.030	8	0.2	0.283	0.027	0.0054	
480 minute summer	11	1.013	12	0.3	0.647	0.024	0.0011	
480 minute summer	12	1.008	16	0.6	0.247	0.011	0.0062	
480 minute summer	13	1.009	16	0.9	0.307	0.034	0.0143	
480 minute summer	14	1.010	16	0.1	0.072	0.003	0.0066	
480 minute summer	15	1.026	16	0.1	0.088	0.008	0.0051	
480 minute summer	16	1.011	19	4.2	1.055	0.203	0.0296	
480 minute summer	17	1.025	18	0.2	0.595	0.017	0.0009	
480 minute summer	18	1.012	19	0.3	0.213	0.006	0.0119	
480 minute summer	19	1.023	28	4.7	1.734	0.088	0.0030	
480 minute summer	20	1.024	19	0.2	0.189	0.015	0.0027	
480 minute summer	21	1.022	22	0.2	0.283	0.041	0.0108	
480 minute summer	22	1.019	23	0.4	0.315	0.022	0.0123	
480 minute summer	23	1.018	24	1.2	0.611	0.019	0.0053	
480 minute summer	24	Flow through pond	26	6.1	0.055	0.001	8.0329	

Results for 100 year +40% CC 480 minute summer. 720 minute analysis at 8 minute timestep. Mass balance: 72.26%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute summer	25	264	7.778	0.168	5.9	0.0000	0.0000	OK
480 minute summer	26	264	7.778	0.178	6.1	0.0000	0.0000	SURCHARGED
480 minute summer	27	264	7.772	0.197	5.7	0.2232	0.0000	SURCHARGED
480 minute summer	28	264	7.779	0.169	5.3	0.0000	0.0000	OK
480 minute summer	29	248	8.617	0.017	0.6	0.0057	0.0000	OK
480 minute summer	30	248	8.719	0.019	0.3	0.0047	0.0000	OK
480 minute summer	33	264	7.468	0.052	5.7	0.0083	0.0000	OK
480 minute summer	34	264	7.250	0.050	5.7	0.0000	0.0000	OK
480 minute summer	35	240	8.315	0.015	0.3	0.0020	0.0000	OK
480 minute summer	36	248	8.572	0.022	1.1	0.0040	0.0000	OK
480 minute summer	37	248	8.678	0.028	0.8	0.0125	0.0000	OK
480 minute summer	38	240	8.764	0.014	0.3	0.0040	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	25	Flow through pond	26	6.1	0.055	0.001	8.0329	
480 minute summer	26	1.016	27	5.7	0.322	0.385	0.0639	
480 minute summer	27	1.015	33	5.7	0.927	0.325	0.1009	
480 minute summer	28	Flow through pond	26	6.1	0.055	0.001	8.0329	
480 minute summer	29	1.020	23	0.6	0.438	0.029	0.0098	
480 minute summer	30	1.021	29	0.3	0.310	0.075	0.0220	
480 minute summer	33	1.014	34	5.7	1.070	0.242	0.0658	58.1
480 minute summer	35	1.027	12	0.3	0.494	0.045	0.0050	
480 minute summer	36	1.031	25	1.1	0.684	0.047	0.0083	
480 minute summer	37	1.033	36	0.8	0.527	0.158	0.0216	
480 minute summer	38	1.032	37	0.3	0.270	0.042	0.0088	

Results for 100 year +40% CC 480 minute winter. 720 minute analysis at 8 minute timestep. Mass balance: 91.37%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute winter	1	8	8.300	0.000	0.7	0.0000	0.0000	OK
480 minute winter	2	208	8.323	0.115	0.6	0.0377	0.0000	OK
480 minute winter	3	208	8.409	0.009	0.3	0.0022	0.0000	OK
480 minute winter	4	224	8.239	0.031	1.3	0.0110	0.0000	OK
480 minute winter	5	208	8.408	0.008	0.3	0.0018	0.0000	OK
480 minute winter	6	240	8.148	0.048	2.6	0.0545	0.0000	OK
480 minute winter	7	240	8.212	0.012	0.5	0.0021	0.0000	OK
480 minute winter	8	224	8.416	0.016	0.8	0.0062	0.0000	OK
480 minute winter	9	224	8.511	0.011	0.4	0.0034	0.0000	OK
480 minute winter	11	208	8.311	0.011	0.3	0.0015	0.0000	OK
480 minute winter	12	208	8.211	0.011	0.6	0.0018	0.0000	OK
480 minute winter	13	232	8.120	0.020	1.0	0.0064	0.0000	OK
480 minute winter	14	160	8.106	0.006	0.1	0.0012	0.0000	OK
480 minute winter	15	160	8.107	0.007	0.1	0.0003	0.0000	OK
480 minute winter	16	240	8.051	0.051	4.4	0.0578	0.0000	OK
480 minute winter	17	208	8.609	0.009	0.2	0.0013	0.0000	OK
480 minute winter	18	208	8.510	0.008	0.3	0.0015	0.0000	OK
480 minute winter	19	240	7.934	0.034	4.9	0.0054	0.0000	OK
480 minute winter	20	208	8.009	0.009	0.2	0.0004	0.0000	OK
480 minute winter	21	216	8.714	0.014	0.2	0.0021	0.0000	OK
480 minute winter	22	216	8.615	0.015	0.4	0.0040	0.0000	OK
480 minute winter	23	216	8.522	0.022	1.2	0.0052	0.0000	OK
480 minute winter	24	280	7.847	0.237	3.2	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute winter	2	1.000	1	0.0	0.000	0.000	0.0000	0.0
480 minute winter	3	1.001	2	0.3	0.611	0.016	0.0009	
480 minute winter	4	1.002	2	-0.6	-0.112	-0.081	0.0273	
480 minute winter	4	1.029	6	1.3	0.461	0.210	0.0300	
480 minute winter	5	1.003	4	0.3	0.323	0.012	0.0012	
480 minute winter	6	1.028	16	2.6	0.671	0.443	0.0410	
480 minute winter	7	1.004	6	0.5	0.448	0.031	0.0031	
480 minute winter	8	1.005	6	0.8	0.300	0.022	0.0021	
480 minute winter	9	1.006	8	0.2	0.285	0.012	0.0067	
480 minute winter	9	1.030	8	0.2	0.283	0.027	0.0054	
480 minute winter	11	1.013	12	0.3	0.647	0.024	0.0011	
480 minute winter	12	1.008	16	0.6	0.249	0.011	0.0064	
480 minute winter	13	1.009	16	1.0	0.338	0.038	0.0149	
480 minute winter	14	1.010	16	0.1	0.072	0.003	0.0069	
480 minute winter	15	1.026	16	0.1	0.088	0.008	0.0053	
480 minute winter	16	1.011	19	4.4	1.069	0.212	0.0306	
480 minute winter	17	1.025	18	0.2	0.595	0.017	0.0009	
480 minute winter	18	1.012	19	0.3	0.215	0.006	0.0122	
480 minute winter	19	1.023	28	4.9	1.753	0.091	0.0043	
480 minute winter	20	1.024	19	0.2	0.189	0.015	0.0028	
480 minute winter	21	1.022	22	0.2	0.283	0.041	0.0108	
480 minute winter	22	1.019	23	0.4	0.315	0.022	0.0123	
480 minute winter	23	1.018	24	1.2	0.611	0.019	0.0053	
480 minute winter	24	Flow through pond	26	7.1	0.026	0.002	11.2540	

Results for 100 year +40% CC 480 minute winter. 720 minute analysis at 8 minute timestep. Mass balance: 91.37%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute winter	25	280	7.847	0.237	3.2	0.0000	0.0000	OK
480 minute winter	26	280	7.847	0.247	7.1	0.0000	0.0000	SURCHARGED
480 minute winter	27	280	7.840	0.265	6.2	0.3002	0.0000	SURCHARGED
480 minute winter	28	280	7.849	0.239	5.0	0.0000	0.0000	OK
480 minute winter	29	216	8.617	0.017	0.6	0.0057	0.0000	OK
480 minute winter	30	216	8.719	0.019	0.3	0.0047	0.0000	OK
480 minute winter	33	280	7.471	0.055	6.2	0.0087	0.0000	OK
480 minute winter	34	280	7.253	0.053	6.2	0.0000	0.0000	OK
480 minute winter	35	208	8.315	0.015	0.3	0.0020	0.0000	OK
480 minute winter	36	224	8.572	0.022	1.1	0.0040	0.0000	OK
480 minute winter	37	224	8.678	0.028	0.8	0.0125	0.0000	OK
480 minute winter	38	208	8.764	0.014	0.3	0.0040	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	25	Flow through pond	26	7.1	0.026	0.002	11.2540	
480 minute winter	26	1.016	27	6.2	0.353	0.423	0.0639	
480 minute winter	27	1.015	33	6.2	0.948	0.356	0.1079	
480 minute winter	28	Flow through pond	26	7.1	0.026	0.002	11.2540	
480 minute winter	29	1.020	23	0.6	0.438	0.029	0.0098	
480 minute winter	30	1.021	29	0.3	0.310	0.075	0.0220	
480 minute winter	33	1.014	34	6.2	1.096	0.264	0.0702	96.2
480 minute winter	35	1.027	12	0.3	0.494	0.045	0.0050	
480 minute winter	36	1.031	25	1.1	0.684	0.047	0.0083	
480 minute winter	37	1.033	36	0.8	0.527	0.158	0.0216	
480 minute winter	38	1.032	37	0.3	0.271	0.042	0.0088	

Results for 100 year +40% CC 600 minute summer. 840 minute analysis at 15 minute timestep. Mass balance: 65.48%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute summer	1	15	8.300	0.000	0.5	0.0000	0.0000	OK
600 minute summer	2	285	8.318	0.110	0.4	0.0360	0.0000	OK
600 minute summer	3	285	8.407	0.007	0.2	0.0018	0.0000	OK
600 minute summer	4	315	8.234	0.026	0.9	0.0091	0.0000	OK
600 minute summer	5	285	8.406	0.006	0.2	0.0015	0.0000	OK
600 minute summer	6	315	8.139	0.039	1.8	0.0439	0.0000	OK
600 minute summer	7	300	8.210	0.010	0.3	0.0016	0.0000	OK
600 minute summer	8	315	8.414	0.014	0.6	0.0054	0.0000	OK
600 minute summer	9	315	8.510	0.010	0.3	0.0030	0.0000	OK
600 minute summer	11	285	8.309	0.009	0.2	0.0012	0.0000	OK
600 minute summer	12	285	8.209	0.009	0.4	0.0015	0.0000	OK
600 minute summer	13	315	8.117	0.017	0.7	0.0054	0.0000	OK
600 minute summer	14	285	8.106	0.006	0.1	0.0012	0.0000	OK
600 minute summer	15	285	8.107	0.007	0.1	0.0003	0.0000	OK
600 minute summer	16	315	8.043	0.043	3.1	0.0482	0.0000	OK
600 minute summer	17	255	8.607	0.007	0.1	0.0010	0.0000	OK
600 minute summer	18	255	8.507	0.005	0.1	0.0009	0.0000	OK
600 minute summer	19	315	7.928	0.028	3.3	0.0044	0.0000	OK
600 minute summer	20	255	8.006	0.006	0.1	0.0003	0.0000	OK
600 minute summer	21	255	8.710	0.010	0.1	0.0015	0.0000	OK
600 minute summer	22	270	8.611	0.011	0.2	0.0029	0.0000	OK
600 minute summer	23	285	8.517	0.017	0.7	0.0040	0.0000	OK
600 minute summer	24	330	7.736	0.126	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute summer	2	1.000	1	0.0	0.000	0.000	0.0000	0.0
600 minute summer	3	1.001	2	0.2	0.616	0.011	0.0006	
600 minute summer	4	1.002	2	-0.4	-0.077	-0.054	0.0265	
600 minute summer	4	1.029	6	0.9	0.425	0.146	0.0227	
600 minute summer	5	1.003	4	0.2	0.315	0.008	0.0010	
600 minute summer	6	1.028	16	1.8	0.602	0.307	0.0316	
600 minute summer	7	1.004	6	0.3	0.401	0.019	0.0023	
600 minute summer	8	1.005	6	0.6	0.291	0.017	0.0166	
600 minute summer	9	1.006	8	0.2	0.258	0.009	0.0055	
600 minute summer	9	1.030	8	0.1	0.261	0.021	0.0045	
600 minute summer	11	1.013	12	0.2	0.572	0.016	0.0008	
600 minute summer	12	1.008	16	0.4	0.225	0.007	0.0049	
600 minute summer	13	1.009	16	0.7	0.307	0.026	0.0116	
600 minute summer	14	1.010	16	0.1	0.062	0.003	0.0054	
600 minute summer	15	1.026	16	0.1	0.077	0.008	0.0042	
600 minute summer	16	1.011	19	3.1	0.990	0.150	0.0234	
600 minute summer	17	1.025	18	0.1	0.526	0.008	0.0005	
600 minute summer	18	1.012	19	0.1	0.164	0.002	0.0087	
600 minute summer	19	1.023	28	3.3	1.582	0.061	0.0023	
600 minute summer	20	1.024	19	0.1	0.187	0.007	0.0020	
600 minute summer	21	1.022	22	0.1	0.228	0.021	0.0067	
600 minute summer	22	1.019	23	0.2	0.275	0.011	0.0081	
600 minute summer	23	1.018	24	0.7	0.520	0.011	0.0037	
600 minute summer	24	Flow through pond	26	4.6	0.023	0.001	6.0755	

Results for 100 year +40% CC 600 minute summer. 840 minute analysis at 15 minute timestep. Mass balance: 65.48%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute summer	25	330	7.736	0.126	2.6	0.0000	0.0000	OK
600 minute summer	26	330	7.736	0.136	4.6	0.0000	0.0000	OK
600 minute summer	27	330	7.733	0.158	4.4	0.1788	0.0000	SURCHARGED
600 minute summer	28	330	7.737	0.127	3.3	0.0000	0.0000	OK
600 minute summer	29	285	8.614	0.014	0.4	0.0047	0.0000	OK
600 minute summer	30	285	8.715	0.015	0.2	0.0039	0.0000	OK
600 minute summer	33	330	7.461	0.045	4.4	0.0072	0.0000	OK
600 minute summer	34	330	7.244	0.044	4.4	0.0000	0.0000	OK
600 minute summer	35	285	8.312	0.012	0.2	0.0017	0.0000	OK
600 minute summer	36	315	8.569	0.019	0.8	0.0035	0.0000	OK
600 minute summer	37	315	8.674	0.024	0.6	0.0108	0.0000	OK
600 minute summer	38	285	8.762	0.012	0.2	0.0033	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	25	Flow through pond	26	4.6	0.023	0.001	6.0755	
600 minute summer	26	1.016	27	4.4	0.251	0.299	0.0624	
600 minute summer	27	1.015	33	4.4	0.868	0.251	0.0833	
600 minute summer	28	Flow through pond	26	4.6	0.023	0.001	6.0755	
600 minute summer	29	1.020	23	0.4	0.409	0.019	0.0070	
600 minute summer	30	1.021	29	0.2	0.274	0.050	0.0166	
600 minute summer	33	1.014	34	4.4	0.999	0.186	0.0544	58.1
600 minute summer	35	1.027	12	0.2	0.436	0.030	0.0038	
600 minute summer	36	1.031	25	0.8	0.621	0.034	0.0066	
600 minute summer	37	1.033	36	0.6	0.487	0.119	0.0175	
600 minute summer	38	1.032	37	0.2	0.233	0.028	0.0071	

Results for 100 year +40% CC 600 minute winter. 840 minute analysis at 15 minute timestep. Mass balance: 90.89%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute winter	1	15	8.300	0.000	0.6	0.0000	0.0000	OK
600 minute winter	2	300	8.323	0.115	0.6	0.0377	0.0000	OK
600 minute winter	3	300	8.409	0.009	0.3	0.0022	0.0000	OK
600 minute winter	4	300	8.238	0.030	1.2	0.0105	0.0000	OK
600 minute winter	5	300	8.408	0.008	0.3	0.0018	0.0000	OK
600 minute winter	6	330	8.144	0.044	2.2	0.0493	0.0000	OK
600 minute winter	7	300	8.211	0.011	0.4	0.0019	0.0000	OK
600 minute winter	8	270	8.414	0.014	0.6	0.0054	0.0000	OK
600 minute winter	9	270	8.510	0.010	0.3	0.0030	0.0000	OK
600 minute winter	11	300	8.311	0.011	0.3	0.0015	0.0000	OK
600 minute winter	12	300	8.211	0.011	0.6	0.0018	0.0000	OK
600 minute winter	13	315	8.119	0.019	0.9	0.0060	0.0000	OK
600 minute winter	14	225	8.106	0.006	0.1	0.0012	0.0000	OK
600 minute winter	15	225	8.107	0.007	0.1	0.0003	0.0000	OK
600 minute winter	16	315	8.048	0.048	3.9	0.0542	0.0000	OK
600 minute winter	17	300	8.609	0.009	0.2	0.0013	0.0000	OK
600 minute winter	18	300	8.510	0.008	0.3	0.0015	0.0000	OK
600 minute winter	19	315	7.932	0.032	4.4	0.0051	0.0000	OK
600 minute winter	20	300	8.009	0.009	0.2	0.0004	0.0000	OK
600 minute winter	21	300	8.714	0.014	0.2	0.0021	0.0000	OK
600 minute winter	22	300	8.615	0.015	0.4	0.0040	0.0000	OK
600 minute winter	23	300	8.522	0.022	1.2	0.0052	0.0000	OK
600 minute winter	24	330	7.802	0.192	1.2	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute winter	2	1.000	1	0.0	0.000	0.000	0.0000	0.0
600 minute winter	3	1.001	2	0.3	0.616	0.016	0.0009	
600 minute winter	4	1.002	2	-0.6	-0.112	-0.081	0.0273	
600 minute winter	4	1.029	6	1.2	0.461	0.194	0.0270	
600 minute winter	5	1.003	4	0.3	0.315	0.012	0.0012	
600 minute winter	6	1.028	16	2.2	0.637	0.375	0.0369	
600 minute winter	7	1.004	6	0.4	0.236	0.025	0.0027	
600 minute winter	8	1.005	6	0.6	0.291	0.017	0.0190	
600 minute winter	9	1.006	8	0.2	0.258	0.009	0.0055	
600 minute winter	9	1.030	8	0.1	0.261	0.021	0.0045	
600 minute winter	11	1.013	12	0.3	0.647	0.024	0.0011	
600 minute winter	12	1.008	16	0.6	0.249	0.011	0.0059	
600 minute winter	13	1.009	16	0.9	0.315	0.034	0.0137	
600 minute winter	14	1.010	16	0.1	0.073	0.003	0.0063	
600 minute winter	15	1.026	16	0.1	0.089	0.008	0.0049	
600 minute winter	16	1.011	19	3.9	1.034	0.188	0.0281	
600 minute winter	17	1.025	18	0.2	0.595	0.017	0.0009	
600 minute winter	18	1.012	19	0.3	0.215	0.006	0.0114	
600 minute winter	19	1.023	28	4.4	1.705	0.082	0.0029	
600 minute winter	20	1.024	19	0.2	0.188	0.015	0.0026	
600 minute winter	21	1.022	22	0.2	0.283	0.041	0.0108	
600 minute winter	22	1.019	23	0.4	0.315	0.022	0.0123	
600 minute winter	23	1.018	24	1.2	0.611	0.019	0.0053	
600 minute winter	24	Flow through pond	26	6.3	0.018	0.001	9.1526	

Results for 100 year +40% CC 600 minute winter. 840 minute analysis at 15 minute timestep. Mass balance: 90.89%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute winter	25	330	7.802	0.192	5.7	0.0000	0.0000	OK
600 minute winter	26	330	7.802	0.202	6.3	0.0000	0.0000	SURCHARGED
600 minute winter	27	330	7.796	0.221	6.0	0.2497	0.0000	SURCHARGED
600 minute winter	28	330	7.803	0.193	4.4	0.0000	0.0000	OK
600 minute winter	29	300	8.617	0.017	0.6	0.0057	0.0000	OK
600 minute winter	30	300	8.719	0.019	0.3	0.0047	0.0000	OK
600 minute winter	33	330	7.470	0.054	6.0	0.0085	0.0000	OK
600 minute winter	34	330	7.251	0.051	6.0	0.0000	0.0000	OK
600 minute winter	35	300	8.315	0.015	0.3	0.0020	0.0000	OK
600 minute winter	36	315	8.572	0.022	1.1	0.0040	0.0000	OK
600 minute winter	37	315	8.678	0.028	0.8	0.0125	0.0000	OK
600 minute winter	38	300	8.764	0.014	0.3	0.0040	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	25	Flow through pond	26	6.3	0.018	0.001	9.1526	
600 minute winter	26	1.016	27	6.0	0.339	0.406	0.0639	
600 minute winter	27	1.015	33	6.0	0.938	0.341	0.1045	
600 minute winter	28	Flow through pond	26	6.3	0.018	0.001	9.1526	
600 minute winter	29	1.020	23	0.6	0.438	0.029	0.0098	
600 minute winter	30	1.021	29	0.3	0.310	0.075	0.0220	
600 minute winter	33	1.014	34	6.0	1.083	0.253	0.0681	100.9
600 minute winter	35	1.027	12	0.3	0.494	0.045	0.0050	
600 minute winter	36	1.031	25	1.1	0.684	0.047	0.0083	
600 minute winter	37	1.033	36	0.8	0.527	0.158	0.0216	
600 minute winter	38	1.032	37	0.3	0.271	0.042	0.0088	

Results for 100 year +40% CC 720 minute summer. 960 minute analysis at 15 minute timestep. Mass balance: 60.41%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute summer	1	15	8.300	0.000	0.4	0.0000	0.0000	OK
720 minute summer	2	345	8.318	0.110	0.4	0.0360	0.0000	OK
720 minute summer	3	345	8.407	0.007	0.2	0.0018	0.0000	OK
720 minute summer	4	375	8.234	0.026	0.9	0.0091	0.0000	OK
720 minute summer	5	345	8.406	0.006	0.2	0.0015	0.0000	OK
720 minute summer	6	375	8.139	0.039	1.8	0.0439	0.0000	OK
720 minute summer	7	360	8.210	0.010	0.3	0.0016	0.0000	OK
720 minute summer	8	375	8.414	0.014	0.6	0.0054	0.0000	OK
720 minute summer	9	375	8.510	0.010	0.3	0.0030	0.0000	OK
720 minute summer	11	345	8.309	0.009	0.2	0.0012	0.0000	OK
720 minute summer	12	345	8.209	0.009	0.4	0.0015	0.0000	OK
720 minute summer	13	375	8.117	0.017	0.7	0.0054	0.0000	OK
720 minute summer	14	345	8.106	0.006	0.1	0.0012	0.0000	OK
720 minute summer	15	345	8.107	0.007	0.1	0.0003	0.0000	OK
720 minute summer	16	375	8.043	0.043	3.1	0.0482	0.0000	OK
720 minute summer	17	315	8.607	0.007	0.1	0.0010	0.0000	OK
720 minute summer	18	315	8.507	0.005	0.1	0.0009	0.0000	OK
720 minute summer	19	375	7.928	0.028	3.3	0.0044	0.0000	OK
720 minute summer	20	315	8.006	0.006	0.1	0.0003	0.0000	OK
720 minute summer	21	315	8.710	0.010	0.1	0.0015	0.0000	OK
720 minute summer	22	330	8.611	0.011	0.2	0.0029	0.0000	OK
720 minute summer	23	345	8.517	0.017	0.7	0.0040	0.0000	OK
720 minute summer	24	390	7.733	0.123	2.9	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute summer	2	1.000	1	0.0	0.000	0.000	0.0000	0.0
720 minute summer	3	1.001	2	0.2	0.616	0.011	0.0006	
720 minute summer	4	1.002	2	-0.4	-0.077	-0.054	0.0265	
720 minute summer	4	1.029	6	0.9	0.425	0.146	0.0227	
720 minute summer	5	1.003	4	0.2	0.315	0.008	0.0010	
720 minute summer	6	1.028	16	1.8	0.602	0.307	0.0316	
720 minute summer	7	1.004	6	0.3	0.401	0.019	0.0023	
720 minute summer	8	1.005	6	0.6	0.291	0.017	0.0166	
720 minute summer	9	1.006	8	0.2	0.258	0.009	0.0055	
720 minute summer	9	1.030	8	0.1	0.261	0.021	0.0045	
720 minute summer	11	1.013	12	0.2	0.572	0.016	0.0008	
720 minute summer	12	1.008	16	0.4	0.225	0.007	0.0049	
720 minute summer	13	1.009	16	0.7	0.307	0.026	0.0116	
720 minute summer	14	1.010	16	0.1	0.062	0.003	0.0054	
720 minute summer	15	1.026	16	0.1	0.077	0.008	0.0042	
720 minute summer	16	1.011	19	3.1	0.990	0.150	0.0234	
720 minute summer	17	1.025	18	0.1	0.526	0.008	0.0005	
720 minute summer	18	1.012	19	0.1	0.164	0.002	0.0087	
720 minute summer	19	1.023	28	3.3	1.582	0.061	0.0023	
720 minute summer	20	1.024	19	0.1	0.187	0.007	0.0020	
720 minute summer	21	1.022	22	0.1	0.228	0.021	0.0067	
720 minute summer	22	1.019	23	0.2	0.275	0.011	0.0081	
720 minute summer	23	1.018	24	0.7	0.520	0.011	0.0037	
720 minute summer	24	Flow through pond	26	4.8	0.023	0.001	5.9615	

Results for 100 year +40% CC 720 minute summer. 960 minute analysis at 15 minute timestep. Mass balance: 60.41%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute summer	25	390	7.733	0.123	2.9	0.0000	0.0000	OK
720 minute summer	26	390	7.733	0.133	4.8	0.0000	0.0000	OK
720 minute summer	27	390	7.731	0.156	4.3	0.1763	0.0000	SURCHARGED
720 minute summer	28	390	7.734	0.124	5.1	0.0000	0.0000	OK
720 minute summer	29	345	8.614	0.014	0.4	0.0047	0.0000	OK
720 minute summer	30	345	8.715	0.015	0.2	0.0039	0.0000	OK
720 minute summer	33	390	7.461	0.045	4.3	0.0072	0.0000	OK
720 minute summer	34	390	7.243	0.043	4.3	0.0000	0.0000	OK
720 minute summer	35	345	8.312	0.012	0.2	0.0017	0.0000	OK
720 minute summer	36	360	8.568	0.018	0.7	0.0032	0.0000	OK
720 minute summer	37	360	8.672	0.022	0.5	0.0098	0.0000	OK
720 minute summer	38	345	8.762	0.012	0.2	0.0033	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	25	Flow through pond	26	4.8	0.023	0.001	5.9615	
720 minute summer	26	1.016	27	4.3	0.262	0.294	0.0620	
720 minute summer	27	1.015	33	4.3	0.863	0.247	0.0822	
720 minute summer	28	Flow through pond	26	4.8	0.023	0.001	5.9615	
720 minute summer	29	1.020	23	0.4	0.409	0.019	0.0070	
720 minute summer	30	1.021	29	0.2	0.274	0.050	0.0166	
720 minute summer	33	1.014	34	4.3	0.994	0.183	0.0536	64.1
720 minute summer	35	1.027	12	0.2	0.436	0.030	0.0038	
720 minute summer	36	1.031	25	0.7	0.596	0.030	0.0060	
720 minute summer	37	1.033	36	0.5	0.456	0.099	0.0156	
720 minute summer	38	1.032	37	0.2	0.258	0.028	0.0064	

Results for 100 year +40% CC 720 minute winter. 960 minute analysis at 15 minute timestep. Mass balance: 86.17%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute winter	1	15	8.300	0.000	0.5	0.0000	0.0000	OK
720 minute winter	2	300	8.318	0.110	0.4	0.0360	0.0000	OK
720 minute winter	3	300	8.407	0.007	0.2	0.0018	0.0000	OK
720 minute winter	4	345	8.234	0.026	0.9	0.0091	0.0000	OK
720 minute winter	5	300	8.406	0.006	0.2	0.0015	0.0000	OK
720 minute winter	6	345	8.139	0.039	1.8	0.0439	0.0000	OK
720 minute winter	7	315	8.210	0.010	0.3	0.0016	0.0000	OK
720 minute winter	8	345	8.414	0.014	0.6	0.0054	0.0000	OK
720 minute winter	9	345	8.510	0.010	0.3	0.0030	0.0000	OK
720 minute winter	11	300	8.309	0.009	0.2	0.0012	0.0000	OK
720 minute winter	12	300	8.209	0.009	0.4	0.0015	0.0000	OK
720 minute winter	13	345	8.117	0.017	0.7	0.0054	0.0000	OK
720 minute winter	14	270	8.106	0.006	0.1	0.0012	0.0000	OK
720 minute winter	15	270	8.107	0.007	0.1	0.0003	0.0000	OK
720 minute winter	16	345	8.043	0.043	3.1	0.0482	0.0000	OK
720 minute winter	17	240	8.607	0.007	0.1	0.0010	0.0000	OK
720 minute winter	18	240	8.507	0.005	0.1	0.0009	0.0000	OK
720 minute winter	19	345	7.928	0.028	3.3	0.0044	0.0000	OK
720 minute winter	20	240	8.006	0.006	0.1	0.0003	0.0000	OK
720 minute winter	21	240	8.710	0.010	0.1	0.0015	0.0000	OK
720 minute winter	22	255	8.611	0.011	0.2	0.0029	0.0000	OK
720 minute winter	23	300	8.517	0.017	0.7	0.0040	0.0000	OK
720 minute winter	24	420	7.740	0.130	0.7	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute winter	2	1.000	1	0.0	0.000	0.000	0.0000	0.0
720 minute winter	3	1.001	2	0.2	0.616	0.011	0.0006	
720 minute winter	4	1.002	2	-0.4	-0.077	-0.054	0.0265	
720 minute winter	4	1.029	6	0.9	0.425	0.146	0.0227	
720 minute winter	5	1.003	4	0.2	0.315	0.008	0.0010	
720 minute winter	6	1.028	16	1.8	0.602	0.307	0.0316	
720 minute winter	7	1.004	6	0.3	0.401	0.019	0.0023	
720 minute winter	8	1.005	6	0.6	0.291	0.017	0.0166	
720 minute winter	9	1.006	8	0.2	0.258	0.009	0.0055	
720 minute winter	9	1.030	8	0.1	0.261	0.021	0.0045	
720 minute winter	11	1.013	12	0.2	0.572	0.016	0.0008	
720 minute winter	12	1.008	16	0.4	0.224	0.007	0.0049	
720 minute winter	13	1.009	16	0.7	0.315	0.026	0.0116	
720 minute winter	14	1.010	16	0.1	0.074	0.003	0.0054	
720 minute winter	15	1.026	16	0.1	0.091	0.008	0.0042	
720 minute winter	16	1.011	19	3.1	0.990	0.150	0.0234	
720 minute winter	17	1.025	18	0.1	0.526	0.008	0.0005	
720 minute winter	18	1.012	19	0.1	0.164	0.002	0.0087	
720 minute winter	19	1.023	28	3.3	1.582	0.061	0.0023	
720 minute winter	20	1.024	19	0.1	0.188	0.007	0.0020	
720 minute winter	21	1.022	22	0.1	0.228	0.021	0.0067	
720 minute winter	22	1.019	23	0.2	0.275	0.011	0.0081	
720 minute winter	23	1.018	24	0.7	0.520	0.011	0.0037	
720 minute winter	24	Flow through pond	26	5.0	0.043	0.001	6.2896	

Results for 100 year +40% CC 720 minute winter. 960 minute analysis at 15 minute timestep. Mass balance: 86.17%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute winter	25	420	7.740	0.130	0.8	0.0000	0.0000	OK
720 minute winter	26	420	7.740	0.140	5.0	0.0000	0.0000	OK
720 minute winter	27	420	7.737	0.162	4.5	0.1834	0.0000	SURCHARGED
720 minute winter	28	420	7.741	0.131	3.6	0.0000	0.0000	OK
720 minute winter	29	300	8.614	0.014	0.4	0.0047	0.0000	OK
720 minute winter	30	300	8.715	0.015	0.2	0.0039	0.0000	OK
720 minute winter	33	420	7.462	0.046	4.5	0.0074	0.0000	OK
720 minute winter	34	420	7.245	0.045	4.5	0.0000	0.0000	OK
720 minute winter	35	300	8.312	0.012	0.2	0.0017	0.0000	OK
720 minute winter	36	345	8.569	0.019	0.8	0.0035	0.0000	OK
720 minute winter	37	345	8.674	0.024	0.6	0.0108	0.0000	OK
720 minute winter	38	300	8.762	0.012	0.2	0.0033	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	25	Flow through pond	26	5.0	0.043	0.001	6.2896	
720 minute winter	26	1.016	27	4.5	0.426	0.309	0.0631	
720 minute winter	27	1.015	33	4.5	0.875	0.260	0.0854	
720 minute winter	28	Flow through pond	26	5.0	0.043	0.001	6.2896	
720 minute winter	29	1.020	23	0.4	0.409	0.019	0.0070	
720 minute winter	30	1.021	29	0.2	0.274	0.050	0.0166	
720 minute winter	33	1.014	34	4.5	1.008	0.193	0.0558	98.8
720 minute winter	35	1.027	12	0.2	0.436	0.030	0.0038	
720 minute winter	36	1.031	25	0.8	0.621	0.034	0.0066	
720 minute winter	37	1.033	36	0.6	0.488	0.119	0.0175	
720 minute winter	38	1.032	37	0.2	0.233	0.028	0.0071	

Results for 100 year +40% CC 960 minute summer. 1200 minute analysis at 15 minute timestep. Mass balance: 56.10%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute summer	1	15	8.300	0.000	0.4	0.0000	0.0000	OK
960 minute summer	2	480	8.318	0.110	0.4	0.0360	0.0000	OK
960 minute summer	3	480	8.407	0.007	0.2	0.0018	0.0000	OK
960 minute summer	4	480	8.232	0.024	0.8	0.0086	0.0000	OK
960 minute summer	5	480	8.406	0.006	0.2	0.0015	0.0000	OK
960 minute summer	6	480	8.134	0.034	1.4	0.0381	0.0000	OK
960 minute summer	7	450	8.208	0.008	0.2	0.0013	0.0000	OK
960 minute summer	8	465	8.411	0.011	0.4	0.0045	0.0000	OK
960 minute summer	9	465	8.508	0.008	0.2	0.0025	0.0000	OK
960 minute summer	11	480	8.309	0.009	0.2	0.0012	0.0000	OK
960 minute summer	12	480	8.209	0.009	0.4	0.0015	0.0000	OK
960 minute summer	13	480	8.114	0.014	0.5	0.0046	0.0000	OK
960 minute summer	14	465	8.106	0.006	0.1	0.0012	0.0000	OK
960 minute summer	15	465	8.107	0.007	0.1	0.0003	0.0000	OK
960 minute summer	16	480	8.038	0.038	2.5	0.0431	0.0000	OK
960 minute summer	17	420	8.607	0.007	0.1	0.0010	0.0000	OK
960 minute summer	18	420	8.507	0.005	0.1	0.0009	0.0000	OK
960 minute summer	19	480	7.925	0.025	2.7	0.0040	0.0000	OK
960 minute summer	20	420	8.006	0.006	0.1	0.0003	0.0000	OK
960 minute summer	21	420	8.710	0.010	0.1	0.0015	0.0000	OK
960 minute summer	22	435	8.611	0.011	0.2	0.0029	0.0000	OK
960 minute summer	23	480	8.517	0.017	0.7	0.0040	0.0000	OK
960 minute summer	24	510	7.721	0.111	2.4	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute summer	2	1.000	1	0.0	0.000	0.000	0.0000	0.0
960 minute summer	3	1.001	2	0.2	0.616	0.011	0.0006	
960 minute summer	4	1.002	2	-0.4	-0.077	-0.054	0.0265	
960 minute summer	4	1.029	6	0.8	0.426	0.130	0.0195	
960 minute summer	5	1.003	4	0.2	0.315	0.008	0.0009	
960 minute summer	6	1.028	16	1.4	0.554	0.239	0.0267	
960 minute summer	7	1.004	6	0.2	0.480	0.012	0.0019	
960 minute summer	8	1.005	6	0.4	0.277	0.011	0.0134	
960 minute summer	9	1.006	8	0.1	0.231	0.006	0.0042	
960 minute summer	9	1.030	8	0.1	0.229	0.014	0.0034	
960 minute summer	11	1.013	12	0.2	0.572	0.016	0.0008	
960 minute summer	12	1.008	16	0.4	0.224	0.007	0.0043	
960 minute summer	13	1.009	16	0.5	0.315	0.019	0.0098	
960 minute summer	14	1.010	16	0.1	0.073	0.003	0.0047	
960 minute summer	15	1.026	16	0.1	0.089	0.008	0.0037	
960 minute summer	16	1.011	19	2.5	0.932	0.121	0.0200	
960 minute summer	17	1.025	18	0.1	0.526	0.008	0.0005	
960 minute summer	18	1.012	19	0.1	0.165	0.002	0.0075	
960 minute summer	19	1.023	28	2.7	1.499	0.050	0.0020	
960 minute summer	20	1.024	19	0.1	0.189	0.007	0.0018	
960 minute summer	21	1.022	22	0.1	0.228	0.021	0.0067	
960 minute summer	22	1.019	23	0.2	0.275	0.011	0.0081	
960 minute summer	23	1.018	24	0.7	0.520	0.011	0.0037	
960 minute summer	24	Flow through pond	26	4.6	0.043	0.001	5.3702	

Results for 100 year +40% CC 960 minute summer. 1200 minute analysis at 15 minute timestep. Mass balance: 56.10%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute summer	25	510	7.721	0.111	2.4	0.0000	0.0000	OK
960 minute summer	26	510	7.720	0.120	4.6	0.0000	0.0000	OK
960 minute summer	27	510	7.719	0.144	3.8	0.1628	0.0000	OK
960 minute summer	28	510	7.721	0.111	3.8	0.0000	0.0000	OK
960 minute summer	29	480	8.614	0.014	0.4	0.0047	0.0000	OK
960 minute summer	30	480	8.715	0.015	0.2	0.0039	0.0000	OK
960 minute summer	33	510	7.458	0.042	3.8	0.0067	0.0000	OK
960 minute summer	34	510	7.241	0.041	3.8	0.0000	0.0000	OK
960 minute summer	35	480	8.312	0.012	0.2	0.0017	0.0000	OK
960 minute summer	36	495	8.568	0.018	0.7	0.0032	0.0000	OK
960 minute summer	37	495	8.672	0.022	0.5	0.0098	0.0000	OK
960 minute summer	38	480	8.762	0.012	0.2	0.0033	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	25	Flow through pond	26	4.6	0.043	0.001	5.3702	
960 minute summer	26	1.016	27	3.8	0.426	0.262	0.0591	
960 minute summer	27	1.015	33	3.8	0.838	0.220	0.0756	
960 minute summer	28	Flow through pond	26	4.6	0.043	0.001	5.3702	
960 minute summer	29	1.020	23	0.4	0.409	0.019	0.0070	
960 minute summer	30	1.021	29	0.2	0.274	0.050	0.0166	
960 minute summer	33	1.014	34	3.8	0.963	0.163	0.0494	67.2
960 minute summer	35	1.027	12	0.2	0.436	0.030	0.0038	
960 minute summer	36	1.031	25	0.7	0.596	0.030	0.0060	
960 minute summer	37	1.033	36	0.5	0.456	0.099	0.0156	
960 minute summer	38	1.032	37	0.2	0.258	0.028	0.0064	

Results for 100 year +40% CC 960 minute winter. 1200 minute analysis at 15 minute timestep. Mass balance: 82.12%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute winter	1	15	8.300	0.000	0.4	0.0000	0.0000	OK
960 minute winter	2	420	8.318	0.110	0.4	0.0360	0.0000	OK
960 minute winter	3	420	8.407	0.007	0.2	0.0018	0.0000	OK
960 minute winter	4	420	8.232	0.024	0.8	0.0086	0.0000	OK
960 minute winter	5	420	8.406	0.006	0.2	0.0015	0.0000	OK
960 minute winter	6	465	8.135	0.035	1.5	0.0395	0.0000	OK
960 minute winter	7	465	8.210	0.010	0.3	0.0016	0.0000	OK
960 minute winter	8	390	8.411	0.011	0.4	0.0045	0.0000	OK
960 minute winter	9	390	8.508	0.008	0.2	0.0025	0.0000	OK
960 minute winter	11	420	8.309	0.009	0.2	0.0012	0.0000	OK
960 minute winter	12	420	8.209	0.009	0.4	0.0015	0.0000	OK
960 minute winter	13	465	8.116	0.016	0.6	0.0050	0.0000	OK
960 minute winter	14	390	8.106	0.006	0.1	0.0012	0.0000	OK
960 minute winter	15	390	8.107	0.007	0.1	0.0003	0.0000	OK
960 minute winter	16	465	8.040	0.040	2.7	0.0449	0.0000	OK
960 minute winter	17	330	8.607	0.007	0.1	0.0010	0.0000	OK
960 minute winter	18	330	8.507	0.005	0.1	0.0009	0.0000	OK
960 minute winter	19	465	7.926	0.026	2.9	0.0041	0.0000	OK
960 minute winter	20	330	8.006	0.006	0.1	0.0003	0.0000	OK
960 minute winter	21	330	8.710	0.010	0.1	0.0015	0.0000	OK
960 minute winter	22	345	8.611	0.011	0.2	0.0029	0.0000	OK
960 minute winter	23	420	8.517	0.017	0.7	0.0040	0.0000	OK
960 minute winter	24	465	7.727	0.117	0.7	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute winter	2	1.000	1	0.0	0.000	0.000	0.0000	0.0
960 minute winter	3	1.001	2	0.2	0.616	0.011	0.0006	
960 minute winter	4	1.002	2	-0.4	-0.077	-0.054	0.0265	
960 minute winter	4	1.029	6	0.8	0.426	0.130	0.0201	
960 minute winter	5	1.003	4	0.2	0.315	0.008	0.0009	
960 minute winter	6	1.028	16	1.5	0.563	0.256	0.0282	
960 minute winter	7	1.004	6	0.3	0.401	0.019	0.0020	
960 minute winter	8	1.005	6	0.4	0.279	0.011	0.0140	
960 minute winter	9	1.006	8	0.1	0.231	0.006	0.0042	
960 minute winter	9	1.030	8	0.1	0.229	0.014	0.0034	
960 minute winter	11	1.013	12	0.2	0.572	0.016	0.0008	
960 minute winter	12	1.008	16	0.4	0.224	0.007	0.0045	
960 minute winter	13	1.009	16	0.6	0.315	0.023	0.0105	
960 minute winter	14	1.010	16	0.1	0.074	0.003	0.0049	
960 minute winter	15	1.026	16	0.1	0.091	0.008	0.0039	
960 minute winter	16	1.011	19	2.7	0.953	0.130	0.0211	
960 minute winter	17	1.025	18	0.1	0.526	0.008	0.0005	
960 minute winter	18	1.012	19	0.1	0.165	0.002	0.0079	
960 minute winter	19	1.023	28	2.9	1.527	0.054	0.0021	
960 minute winter	20	1.024	19	0.1	0.189	0.007	0.0019	
960 minute winter	21	1.022	22	0.1	0.228	0.021	0.0067	
960 minute winter	22	1.019	23	0.2	0.275	0.011	0.0081	
960 minute winter	23	1.018	24	0.7	0.520	0.011	0.0037	
960 minute winter	24	Flow through pond	26	5.7	0.043	0.001	5.6479	

Results for 100 year +40% CC 960 minute winter. 1200 minute analysis at 15 minute timestep. Mass balance: 82.12%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute winter	25	465	7.727	0.117	4.7	0.0000	0.0000	OK
960 minute winter	26	465	7.726	0.126	5.7	0.0000	0.0000	OK
960 minute winter	27	465	7.725	0.150	4.1	0.1692	0.0000	OK
960 minute winter	28	465	7.727	0.117	4.7	0.0000	0.0000	OK
960 minute winter	29	420	8.614	0.014	0.4	0.0047	0.0000	OK
960 minute winter	30	420	8.715	0.015	0.2	0.0039	0.0000	OK
960 minute winter	33	465	7.460	0.044	4.1	0.0069	0.0000	OK
960 minute winter	34	465	7.242	0.042	4.1	0.0000	0.0000	OK
960 minute winter	35	420	8.312	0.012	0.2	0.0017	0.0000	OK
960 minute winter	36	435	8.568	0.018	0.7	0.0032	0.0000	OK
960 minute winter	37	435	8.672	0.022	0.5	0.0098	0.0000	OK
960 minute winter	38	420	8.762	0.012	0.2	0.0033	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	25	Flow through pond	26	5.7	0.043	0.001	5.6479	
960 minute winter	26	1.016	27	4.1	0.426	0.277	0.0607	
960 minute winter	27	1.015	33	4.1	0.850	0.233	0.0788	
960 minute winter	28	Flow through pond	26	5.7	0.043	0.001	5.6479	
960 minute winter	29	1.020	23	0.4	0.409	0.019	0.0070	
960 minute winter	30	1.021	29	0.2	0.274	0.050	0.0166	
960 minute winter	33	1.014	34	4.1	0.979	0.173	0.0515	107.0
960 minute winter	35	1.027	12	0.2	0.436	0.030	0.0038	
960 minute winter	36	1.031	25	0.7	0.596	0.030	0.0060	
960 minute winter	37	1.033	36	0.5	0.456	0.099	0.0156	
960 minute winter	38	1.032	37	0.2	0.258	0.028	0.0064	

Results for 100 year +40% CC 1440 minute summer. 1680 minute analysis at 30 minute timestep. Mass balance: 41.23%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute summer	1	30	8.300	0.000	0.3	0.0000	0.0000	OK
1440 minute summer	2	630	8.312	0.104	0.5	0.0341	0.0000	OK
1440 minute summer	3	630	8.405	0.005	0.1	0.0013	0.0000	OK
1440 minute summer	4	750	8.227	0.019	0.5	0.0068	0.0000	OK
1440 minute summer	5	630	8.405	0.005	0.1	0.0011	0.0000	OK
1440 minute summer	6	750	8.130	0.030	1.1	0.0335	0.0000	OK
1440 minute summer	7	750	8.208	0.008	0.2	0.0013	0.0000	OK
1440 minute summer	8	750	8.411	0.011	0.4	0.0045	0.0000	OK
1440 minute summer	9	750	8.508	0.008	0.2	0.0025	0.0000	OK
1440 minute summer	11	630	8.306	0.006	0.1	0.0009	0.0000	OK
1440 minute summer	12	630	8.207	0.007	0.2	0.0011	0.0000	OK
1440 minute summer	13	750	8.113	0.013	0.4	0.0041	0.0000	OK
1440 minute summer	14	750	8.106	0.006	0.1	0.0012	0.0000	OK
1440 minute summer	15	750	8.107	0.007	0.1	0.0003	0.0000	OK
1440 minute summer	16	750	8.033	0.033	1.9	0.0375	0.0000	OK
1440 minute summer	17	690	8.607	0.007	0.1	0.0010	0.0000	OK
1440 minute summer	18	690	8.507	0.005	0.1	0.0009	0.0000	OK
1440 minute summer	19	750	7.922	0.022	2.1	0.0035	0.0000	OK
1440 minute summer	20	690	8.006	0.006	0.1	0.0003	0.0000	OK
1440 minute summer	21	690	8.710	0.010	0.1	0.0015	0.0000	OK
1440 minute summer	22	690	8.611	0.011	0.2	0.0029	0.0000	OK
1440 minute summer	23	690	8.515	0.015	0.5	0.0034	0.0000	OK
1440 minute summer	24	750	7.699	0.089	1.5	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute summer	2	1.000	1	0.0	0.000	0.000	0.0000	0.0
1440 minute summer	3	1.001	2	0.1	0.306	0.005	0.0004	
1440 minute summer	4	1.002	2	0.5	0.098	0.064	0.0276	
1440 minute summer	4	1.029	6	0.5	0.352	0.081	0.0154	
1440 minute summer	5	1.003	4	0.1	0.219	0.004	0.0006	
1440 minute summer	6	1.028	16	1.1	0.524	0.187	0.0222	
1440 minute summer	7	1.004	6	0.2	0.390	0.012	0.0016	
1440 minute summer	8	1.005	6	0.4	0.279	0.011	0.0115	
1440 minute summer	9	1.006	8	0.1	0.231	0.006	0.0042	
1440 minute summer	9	1.030	8	0.1	0.229	0.014	0.0034	
1440 minute summer	11	1.013	12	0.1	0.463	0.008	0.0005	
1440 minute summer	12	1.008	16	0.2	0.198	0.004	0.0034	
1440 minute summer	13	1.009	16	0.4	0.310	0.015	0.0081	
1440 minute summer	14	1.010	16	0.1	0.074	0.003	0.0039	
1440 minute summer	15	1.026	16	0.1	0.091	0.008	0.0031	
1440 minute summer	16	1.011	19	1.9	0.862	0.092	0.0164	
1440 minute summer	17	1.025	18	0.1	0.526	0.008	0.0005	
1440 minute summer	18	1.012	19	0.1	0.165	0.002	0.0063	
1440 minute summer	19	1.023	28	2.1	1.400	0.039	0.0017	
1440 minute summer	20	1.024	19	0.1	0.189	0.007	0.0015	
1440 minute summer	21	1.022	22	0.1	0.228	0.021	0.0067	
1440 minute summer	22	1.019	23	0.2	0.275	0.011	0.0070	
1440 minute summer	23	1.018	24	0.5	0.470	0.008	0.0029	
1440 minute summer	24	Flow through pond	26	4.9	0.022	0.001	4.1883	

Results for 100 year +40% CC 1440 minute summer. 1680 minute analysis at 30 minute timestep. Mass balance: 41.23%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute summer	25	750	7.698	0.088	1.5	0.0000	0.0000	OK
1440 minute summer	26	750	7.695	0.095	4.9	0.0000	0.0000	OK
1440 minute summer	27	750	7.693	0.118	2.8	0.1330	0.0000	OK
1440 minute summer	28	750	7.695	0.085	4.7	0.0000	0.0000	OK
1440 minute summer	29	630	8.611	0.011	0.2	0.0035	0.0000	OK
1440 minute summer	30	690	8.711	0.011	0.1	0.0028	0.0000	OK
1440 minute summer	33	750	7.452	0.036	2.8	0.0058	0.0000	OK
1440 minute summer	34	750	7.235	0.035	2.8	0.0000	0.0000	OK
1440 minute summer	35	630	8.309	0.009	0.1	0.0012	0.0000	OK
1440 minute summer	36	720	8.564	0.014	0.4	0.0025	0.0000	OK
1440 minute summer	37	720	8.667	0.017	0.3	0.0077	0.0000	OK
1440 minute summer	38	630	8.758	0.008	0.1	0.0024	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	25	Flow through pond	26	4.9	0.022	0.001	4.1883	
1440 minute summer	26	1.016	27	2.8	0.228	0.190	0.0483	
1440 minute summer	27	1.015	33	2.8	0.775	0.163	0.0605	
1440 minute summer	28	Flow through pond	26	4.9	0.022	0.001	4.1883	
1440 minute summer	29	1.020	23	0.2	0.396	0.010	0.0050	
1440 minute summer	30	1.021	29	0.1	0.221	0.025	0.0104	
1440 minute summer	33	1.014	34	2.8	0.886	0.121	0.0397	71.8
1440 minute summer	35	1.027	12	0.1	0.352	0.015	0.0023	
1440 minute summer	36	1.031	25	0.4	0.504	0.017	0.0041	
1440 minute summer	37	1.033	36	0.3	0.395	0.059	0.0108	
1440 minute summer	38	1.032	37	0.1	0.211	0.014	0.0043	

Results for 100 year +40% CC 1440 minute winter. 1680 minute analysis at 30 minute timestep. Mass balance: 74.83%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute winter	1	30	8.300	0.000	0.3	0.0000	0.0000	OK
1440 minute winter	2	480	8.312	0.104	0.2	0.0341	0.0000	OK
1440 minute winter	3	480	8.405	0.005	0.1	0.0013	0.0000	OK
1440 minute winter	4	690	8.227	0.019	0.5	0.0068	0.0000	OK
1440 minute winter	5	480	8.405	0.005	0.1	0.0011	0.0000	OK
1440 minute winter	6	690	8.130	0.030	1.1	0.0335	0.0000	OK
1440 minute winter	7	660	8.208	0.008	0.2	0.0013	0.0000	OK
1440 minute winter	8	690	8.411	0.011	0.4	0.0045	0.0000	OK
1440 minute winter	9	690	8.508	0.008	0.2	0.0025	0.0000	OK
1440 minute winter	11	480	8.306	0.006	0.1	0.0009	0.0000	OK
1440 minute winter	12	480	8.207	0.007	0.2	0.0011	0.0000	OK
1440 minute winter	13	660	8.113	0.013	0.4	0.0041	0.0000	OK
1440 minute winter	14	690	8.106	0.006	0.1	0.0012	0.0000	OK
1440 minute winter	15	690	8.107	0.007	0.1	0.0003	0.0000	OK
1440 minute winter	16	690	8.033	0.033	1.9	0.0375	0.0000	OK
1440 minute winter	17	570	8.607	0.007	0.1	0.0010	0.0000	OK
1440 minute winter	18	570	8.507	0.005	0.1	0.0009	0.0000	OK
1440 minute winter	19	690	7.922	0.022	2.1	0.0035	0.0000	OK
1440 minute winter	20	570	8.006	0.006	0.1	0.0003	0.0000	OK
1440 minute winter	21	570	8.710	0.010	0.1	0.0015	0.0000	OK
1440 minute winter	22	570	8.611	0.011	0.2	0.0029	0.0000	OK
1440 minute winter	23	570	8.515	0.015	0.5	0.0034	0.0000	OK
1440 minute winter	24	750	7.699	0.089	3.4	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute winter	2	1.000	1	0.0	0.000	0.000	0.0000	0.0
1440 minute winter	3	1.001	2	0.1	0.306	0.005	0.0004	
1440 minute winter	4	1.002	2	-0.2	-0.043	-0.027	0.0256	
1440 minute winter	4	1.029	6	0.5	0.352	0.081	0.0154	
1440 minute winter	5	1.003	4	0.1	0.219	0.004	0.0006	
1440 minute winter	6	1.028	16	1.1	0.524	0.187	0.0222	
1440 minute winter	7	1.004	6	0.2	0.390	0.012	0.0016	
1440 minute winter	8	1.005	6	0.4	0.279	0.011	0.0115	
1440 minute winter	9	1.006	8	0.1	0.231	0.006	0.0042	
1440 minute winter	9	1.030	8	0.1	0.229	0.014	0.0034	
1440 minute winter	11	1.013	12	0.1	0.463	0.008	0.0005	
1440 minute winter	12	1.008	16	0.2	0.198	0.004	0.0034	
1440 minute winter	13	1.009	16	0.4	0.310	0.015	0.0081	
1440 minute winter	14	1.010	16	0.1	0.074	0.003	0.0039	
1440 minute winter	15	1.026	16	0.1	0.091	0.008	0.0031	
1440 minute winter	16	1.011	19	1.9	0.862	0.092	0.0164	
1440 minute winter	17	1.025	18	0.1	0.526	0.008	0.0005	
1440 minute winter	18	1.012	19	0.1	0.165	0.002	0.0063	
1440 minute winter	19	1.023	28	2.1	1.400	0.039	0.0017	
1440 minute winter	20	1.024	19	0.1	0.189	0.007	0.0015	
1440 minute winter	21	1.022	22	0.1	0.228	0.021	0.0067	
1440 minute winter	22	1.019	23	0.2	0.275	0.011	0.0070	
1440 minute winter	23	1.018	24	0.5	0.470	0.008	0.0029	
1440 minute winter	24	Flow through pond	26	5.2	0.022	0.001	4.1871	

Results for 100 year +40% CC 1440 minute winter. 1680 minute analysis at 30 minute timestep. Mass balance: 74.83%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute winter	25	750	7.698	0.088	3.5	0.0000	0.0000	OK
1440 minute winter	26	720	7.695	0.095	5.2	0.0000	0.0000	OK
1440 minute winter	27	720	7.693	0.118	2.9	0.1330	0.0000	OK
1440 minute winter	28	720	7.697	0.087	4.3	0.0000	0.0000	OK
1440 minute winter	29	480	8.611	0.011	0.2	0.0035	0.0000	OK
1440 minute winter	30	570	8.711	0.011	0.1	0.0028	0.0000	OK
1440 minute winter	33	720	7.452	0.036	2.8	0.0058	0.0000	OK
1440 minute winter	34	720	7.235	0.035	2.8	0.0000	0.0000	OK
1440 minute winter	35	480	8.309	0.009	0.1	0.0012	0.0000	OK
1440 minute winter	36	630	8.564	0.014	0.4	0.0025	0.0000	OK
1440 minute winter	37	600	8.667	0.017	0.3	0.0077	0.0000	OK
1440 minute winter	38	480	8.758	0.008	0.1	0.0024	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	25	Flow through pond	26	5.2	0.022	0.001	4.1871	
1440 minute winter	26	1.016	27	2.9	0.228	0.196	0.0483	
1440 minute winter	27	1.015	33	2.8	0.775	0.163	0.0605	
1440 minute winter	28	Flow through pond	26	5.2	0.022	0.001	4.1871	
1440 minute winter	29	1.020	23	0.2	0.396	0.010	0.0050	
1440 minute winter	30	1.021	29	0.1	0.221	0.025	0.0104	
1440 minute winter	33	1.014	34	2.8	0.886	0.121	0.0397	115.1
1440 minute winter	35	1.027	12	0.1	0.352	0.015	0.0023	
1440 minute winter	36	1.031	25	0.4	0.504	0.017	0.0041	
1440 minute winter	37	1.033	36	0.3	0.395	0.059	0.0108	
1440 minute winter	38	1.032	37	0.1	0.211	0.014	0.0043	