

Design Settings

Rainfall Methodology	FSR	Maximum Time of Concentration (mins)	30.00
Return Period (years)	1	Maximum Rainfall (mm/hr)	50.0
Additional Flow (%)	0	Minimum Velocity (m/s)	1.00
FSR Region	England and Wales	Connection Type	Level Soffits
M5-60 (mm)	17.000	Minimum Backdrop Height (m)	0.200
Ratio-R	0.300	Preferred Cover Depth (m)	1.200
CV	1.000	Include Intermediate Ground	✓
Time of Entry (mins)	1.00	Enforce best practice design rules	✓

Adoptable Manhole Type

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

>900 Link+900 mm

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

Circular Link Type

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)	Node Type	Manhole Type	Diameter (mm)	Easting (m)	Northing (m)	Depth (m)
✓ S1	0.016	1.00	136.900	Manhole	Adoptable	1200	390236.000	413906.000	1.350
✓ S2	0.035	1.00	137.000	Manhole	Adoptable	1200	390242.000	413911.000	1.603
✓ S3	0.002	1.00	137.000	Manhole	Adoptable	1500	390250.000	413897.000	1.782
✓ S4	0.006	1.00	136.900	Manhole	Adoptable	1200	390256.000	413899.000	1.752
✓ S5	0.008	1.00	136.600	Manhole	Adoptable	1200	390262.000	413902.000	1.527
✓ S6	0.006	1.00	136.600	Manhole	Adoptable	1500	390264.000	413899.000	1.567
✓ S7	0.008	1.00	136.700	Manhole	Adoptable	1200	390262.000	413897.000	1.698
✓ C1	0.000		136.900	Manhole	Adoptable	1200	390259.000	413894.000	2.280
✓ OUTFALL			136.600	Manhole	Adoptable	1200	390261.000	413891.000	2.040
✓ AT		1.00	136.500	Manhole	Adoptable	450	390265.000	413900.000	1.400
✓ S9	0.015	1.00	136.700	Manhole	Adoptable	1200	390258.000	413911.000	1.350
✓ S8	0.008	1.00	136.900	Manhole	Adoptable	1200	390258.000	413893.000	1.600

Links

Name	US Node	DS Node	Length (m)	ks (mm) / n	Velocity Equation	US IL (m)	DS IL (m)	Fall (m)	Slope (1:X)	Dia (mm)	Link Type	T of C (mins)	Rain (mm/h)
1.001	S1	S2	7.810	0.600	Colebrook-White	135.550	135.472	0.078	100.0	150	Circular	1.13	50.
1.002	S2	S3	16.125	0.600	Colebrook-White	135.397	135.218	0.179	90.0	225	Circular	1.32	50.
1.003	S3	S4	6.325	0.600	Colebrook-White	135.218	135.148	0.070	90.0	225	Circular	1.40	50.
1.004	S4	S5	6.708	0.600	Colebrook-White	135.148	135.073	0.075	90.0	225	Circular	1.48	50.
1.005	S5	S6	3.606	0.600	Colebrook-White	135.073	135.033	0.040	90.0	225	Circular	1.53	50.
1.006	S6	S7	2.828	0.600	Colebrook-White	135.033	135.002	0.031	90.0	225	Circular	1.56	50.
1.007	S7	C1	4.243	0.600	Colebrook-White	135.002	134.620	0.382	11.1	225	Circular	1.58	50.
1.015	C1	OUTFALL	3.606	0.600	Colebrook-White	134.620	134.560	0.060	60.0	225	Circular	1.61	50.

2.000	S9	S5	10.000	0.600	Colebrook-White	135.350	135.108	0.242	41.3	150	Circular	1.11	50.
3.000	S8	S4	6.320	0.600	Colebrook-White	135.300	135.237	0.063	100.0	150	Circular	1.10	50.

1.008	AT	S6	1.414	0.600	Colebrook-White	135.100	135.033	0.067	21.1	225	Circular	1.01	50.
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DS Node	Vel (m/s)	Cap (l/s)	Flow (l/s)	US Depth (m)	DS Depth (m)	Minimum Depth (m)	Maximum Depth (m)	Σ Area (ha)	Σ Add Inflow (l/s)	Pro Depth (mm)	Pro Velocity (m/s)	Notes
S2	1.005	17.8	2.9	1.200	1.378	1.200	1.378	0.016	0.0	41	0.740	
S3	1.379	54.8	9.2	1.378	1.557	1.378	1.557	0.051	0.0	62	1.028	
S4	1.379	54.8	9.6	1.557	1.527	1.527	1.557	0.053	0.0	64	1.044	
S5	1.379	54.8	12.1	1.527	1.302	1.302	1.527	0.067	0.0	72	1.112	
S6	1.379	54.8	16.3	1.302	1.342	1.302	1.342	0.090	0.0	84	1.206	
S7	1.379	54.8	17.3	1.342	1.473	1.342	1.473	0.096	0.0	87	1.224	
C1	3.948	157.0	18.8	1.473	2.055	1.473	2.055	0.104	0.0	52	2.684	Velocity is more than 3 m/s
OUTFALL	1.691	67.2	18.8	2.055	1.815	1.815	2.055	0.104	0.0	81	1.456	

S5	1.570	27.7	2.7	1.200	1.342	1.200	1.342	0.015	0.0	31	0.995	
S4	1.005	17.8	1.4	1.450	1.513	1.450	1.513	0.008	0.0	29	0.606	

S6	2.860	113.7	0.0	1.175	1.342	1.175	1.342	0.000	0.0	0	0.000	Upstream Depth is less than t
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Pipeline Schedule

Link	Length (m)	Slope (1:X)	Dia (mm)	Link Type	US CL (m)	US IL (m)	US Depth (m)	DS CL (m)	DS IL (m)	DS Depth (m)
1.001	7.810	100.0	150	Circular	136.900	135.550	1.200	137.000	135.472	1.378
1.002	16.125	90.0	225	Circular	137.000	135.397	1.378	137.000	135.218	1.557
1.003	6.325	90.0	225	Circular	137.000	135.218	1.557	136.900	135.148	1.527
1.004	6.708	90.0	225	Circular	136.900	135.148	1.527	136.600	135.073	1.302
1.005	3.606	90.0	225	Circular	136.600	135.073	1.302	136.600	135.033	1.342
1.006	2.828	90.0	225	Circular	136.600	135.033	1.342	136.700	135.002	1.473
1.007	4.243	11.1	225	Circular	136.700	135.002	1.473	136.900	134.620	2.055

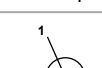
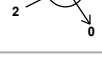
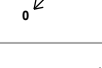
Link	US Node	Dia (mm)	Node Type	MH Type	DS Node	Dia (mm)	Node Type	MH Type
1.001	S1	1200	Manhole	Adoptable	S2	1200	Manhole	Adoptable
1.002	S2	1200	Manhole	Adoptable	S3	1500	Manhole	Adoptable
1.003	S3	1500	Manhole	Adoptable	S4	1200	Manhole	Adoptable
1.004	S4	1200	Manhole	Adoptable	S5	1200	Manhole	Adoptable
1.005	S5	1200	Manhole	Adoptable	S6	1500	Manhole	Adoptable
1.006	S6	1500	Manhole	Adoptable	S7	1200	Manhole	Adoptable
1.007	S7	1200	Manhole	Adoptable	C1	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)
1.015	3.606	60.0	225	Circular	136.900	134.620	2.055	136.600	134.560	1.815
2.000	10.000	41.3	150	Circular	136.700	135.350	1.200	136.600	135.108	1.342
3.000	6.320	100.0	150	Circular	136.900	135.300	1.450	136.900	135.237	1.513
1.008	1.414	21.1	225	Circular	136.500	135.100	1.175	136.600	135.033	1.342

Link	US Node	Dia (mm)	Node Type	MH Type	DS Node	Dia (mm)	Node Type	MH Type
1.015	C1	1200	Manhole	Adoptable	OUTFALL	1200	Manhole	Adoptable
2.000	S9	1200	Manhole	Adoptable	S5	1200	Manhole	Adoptable
3.000	S8	1200	Manhole	Adoptable	S4	1200	Manhole	Adoptable
1.008	AT	450	Manhole	Adoptable	S6	1500	Manhole	Adoptable

Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Node Type	MH Type	Connections	Link	IL (m)	Dia (mm)	Link Type	
S1	390236.000	413906.000	136.900	1.350	1200	Manhole	Adoptable		0	1.001	135.550	150	Circular
S2	390242.000	413911.000	137.000	1.603	1200	Manhole	Adoptable		1	1.001	135.472	150	Circular
S3	390250.000	413897.000	137.000	1.782	1500	Manhole	Adoptable		0	1.002	135.397	225	Circular
S4	390256.000	413899.000	136.900	1.752	1200	Manhole	Adoptable		1	1.002	135.218	225	Circular
S5	390262.000	413902.000	136.600	1.527	1200	Manhole	Adoptable		1	3.000	135.237	150	Circular
S6	390264.000	413899.000	136.600	1.567	1500	Manhole	Adoptable		2	1.003	135.148	225	Circular
S7	390262.000	413897.000	136.700	1.698	1200	Manhole	Adoptable		0	1.004	135.148	225	Circular
C1	390259.000	413894.000	136.900	2.280	1200	Manhole	Adoptable		1	2.000	135.108	150	Circular
									2	1.004	135.073	225	Circular
									0	1.005	135.073	225	Circular
									1	1.008	135.033	225	Circular
									2	1.005	135.033	225	Circular
									0	1.006	135.033	225	Circular
									1	1.006	135.002	225	Circular
									0	1.007	135.002	225	Circular
									1	1.007	134.620	225	Circular
									0	1.015	134.620	225	Circular

Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Node Type	MH Type	Connections	Link	IL (m)	Dia (mm)	Link Type	
OUTFALL	390261.000	413891.000	136.600	2.040	1200	Manhole	Adoptable		1	1.015	134.560	225	Circular
AT	390265.000	413900.000	136.500	1.400	450	Manhole	Adoptable		0	1.008	135.100	225	Circular
S9	390258.000	413911.000	136.700	1.350	1200	Manhole	Adoptable		0	2.000	135.350	150	Circular
S8	390258.000	413893.000	136.900	1.600	1200	Manhole	Adoptable		0	3.000	135.300	150	Circular

Simulation Settings

Rainfall Methodology	FSR	Skip Steady State	x
FSR Region	England and Wales	Drain Down Time (mins)	240
M5-60 (mm)	17.000	Additional Storage (m³/ha)	20.0
Ratio-R	0.300	Check Discharge Rate(s)	x
Summer CV	1.000	Check Discharge Volume	✓
Winter CV	1.000	100 year 360 minute (m³)	
Analysis Speed	Normal		

Storm Durations

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

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

Pre-development Discharge Volume

Site Makeup	Greenfield	Return Period (years)	100
Greenfield Method	FSR/FEH	Climate Change (%)	0
Positively Drained Area (ha)		Storm Duration (mins)	360
Soil Index	1	Betterment (%)	0
SPR	0.10	PR	
CWI		Runoff Volume (m³)	

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)	0.300

Approval Settings

Node Size	✓	Minimum Full Bore Velocity (m/s)	
Node Losses	✓	Maximum Full Bore Velocity (m/s)	3.000
Link Size	✓	Proportional Velocity	✓
Minimum Diameter (mm)	150	Return Period (years)	
Link Length	✓	Minimum Proportional Velocity (m/s)	0.750
Maximum Length (m)	100.000	Maximum Proportional Velocity (m/s)	3.000
Coordinates	✓	Surcharged Depth	✓
Accuracy (m)	1.000	Return Period (years)	
Crossings	✓	Maximum Surcharged Depth (m)	0.100
Cover Depth	✓	Flooding	✓
Minimum Cover Depth (m)		Return Period (years)	30
Maximum Cover Depth (m)	3.000	Time to Half Empty	x
Backdrops	✓	Discharge Rates	✓
Minimum Backdrop Height (m)		Discharge Volume	✓
Maximum Backdrop Height (m)	1.500	100 year 360 minute (m³)	
Full Bore Velocity	✓		

Rainfall

Event	Peak Intensity (mm/hr)	Average Intensity (mm/hr)	Event	Peak Intensity (mm/hr)	Average Intensity (mm/hr)
1 year 15 minute summer	84.280	23.848	30 year +40% CC 180 minute winter	44.851	17.756
1 year 15 minute winter	59.144	23.848	30 year +40% CC 240 minute summer	55.082	14.557
1 year 30 minute summer	57.102	16.158	30 year +40% CC 240 minute winter	36.595	14.557
1 year 30 minute winter	40.072	16.158	30 year +40% CC 360 minute summer	42.480	10.932
1 year 60 minute summer	40.398	10.676	30 year +40% CC 360 minute winter	27.613	10.932
1 year 60 minute winter	26.839	10.676	30 year +40% CC 480 minute summer	33.755	8.921
1 year 120 minute summer	26.432	6.985	30 year +40% CC 480 minute winter	22.426	8.921
1 year 120 minute winter	17.561	6.985	30 year +40% CC 600 minute summer	27.835	7.613
1 year 180 minute summer	21.115	5.434	30 year +40% CC 600 minute winter	19.018	7.613
1 year 180 minute winter	13.725	5.434	30 year +40% CC 720 minute summer	24.947	6.686
1 year 240 minute summer	17.197	4.545	30 year +40% CC 720 minute winter	16.766	6.686
1 year 240 minute winter	11.425	4.545	30 year +40% CC 960 minute summer	20.668	5.442
1 year 360 minute summer	13.694	3.524	30 year +40% CC 960 minute winter	13.691	5.442
1 year 360 minute winter	8.901	3.524	30 year +40% CC 1440 minute summer	15.170	4.066
1 year 480 minute summer	11.066	2.925	30 year +40% CC 1440 minute winter	10.195	4.066
1 year 480 minute winter	7.352	2.925	100 year +40% CC 15 minute summer	368.854	104.373
1 year 600 minute summer	9.254	2.531	100 year +40% CC 15 minute winter	258.845	104.373
1 year 600 minute winter	6.323	2.531	100 year +40% CC 30 minute summer	255.101	72.185
1 year 720 minute summer	8.394	2.250	100 year +40% CC 30 minute winter	179.018	72.185
1 year 720 minute winter	5.641	2.250	100 year +40% CC 60 minute summer	180.954	47.821
1 year 960 minute summer	7.097	1.869	100 year +40% CC 60 minute winter	120.222	47.821
1 year 960 minute winter	4.701	1.869	100 year +40% CC 120 minute summer	116.088	30.679
1 year 1440 minute summer	5.374	1.440	100 year +40% CC 120 minute winter	77.126	30.679
1 year 1440 minute winter	3.611	1.440	100 year +40% CC 180 minute summer	90.626	23.321
30 year +40% CC 15 minute summer	287.100	81.239	100 year +40% CC 180 minute winter	58.909	23.321
30 year +40% CC 15 minute winter	201.473	81.239	100 year +40% CC 240 minute summer	72.104	19.055
30 year +40% CC 30 minute summer	196.268	55.537	100 year +40% CC 240 minute winter	47.904	19.055
30 year +40% CC 30 minute winter	137.732	55.537	100 year +40% CC 360 minute summer	55.175	14.198
30 year +40% CC 60 minute summer	138.061	36.485	100 year +40% CC 360 minute winter	35.865	14.198
30 year +40% CC 60 minute winter	91.724	36.485	100 year +40% CC 480 minute summer	43.619	11.527
30 year +40% CC 120 minute summer	88.254	23.323	100 year +40% CC 480 minute winter	28.979	11.527
30 year +40% CC 120 minute winter	58.634	23.323	100 year +40% CC 600 minute summer	35.816	9.797
30 year +40% CC 180 minute summer	68.999	17.756	100 year +40% CC 600 minute winter	24.472	9.797

Rainfall

Event	Peak Intensity (mm/hr)	Average Intensity (mm/hr)	Event	Peak Intensity (mm/hr)	Average Intensity (mm/hr)
100 year +40% CC 720 minute summer	31.983	8.572	100 year +40% CC 960 minute winter	17.446	6.935
100 year +40% CC 720 minute winter	21.495	8.572	100 year +40% CC 1440 minute summer	19.151	5.133
100 year +40% CC 960 minute summer	26.337	6.935	100 year +40% CC 1440 minute winter	12.870	5.133

Results for 1 year Critical Storm Duration. Lowest mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	S1	8	135.597	0.047	3.7	0.0637	0.0000	OK
15 minute summer	S2	8	135.468	0.071	11.5	0.1111	0.0000	OK
15 minute summer	S3	9	135.292	0.073	11.2	0.1315	0.0000	OK
15 minute summer	S4	9	135.234	0.086	12.8	0.1034	0.0000	OK
15 minute summer	S5	9	135.180	0.107	17.2	0.1317	0.0000	OK
15 minute summer	S6	9	135.136	0.103	18.9	0.1900	0.0000	OK
15 minute summer	S7	9	135.059	0.057	20.5	0.0695	0.0000	OK
15 minute summer	C1	9	134.722	0.101	20.6	0.1148	0.0000	OK
15 minute summer	OUTFALL	9	134.645	0.085	20.7	0.0000	0.0000	OK
15 minute summer	AT	9	135.136	0.036	0.6	0.0057	0.0000	OK
15 minute summer	S9	8	135.385	0.035	3.5	0.0473	0.0000	OK
15 minute summer	S8	8	135.333	0.033	1.9	0.0402	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 summer	S1	1.001	S2	3.3	0.739	0.185	0.0348	
15 minute summer	S2	1.002	S3	10.7	0.977	0.195	0.1762	
15 minute summer	S3	1.003	S4	10.4	0.823	0.189	0.0798	
15 minute summer	S4	1.004	S5	13.4	0.828	0.245	0.1089	
15 minute summer	S5	1.005	S6	17.9	0.989	0.326	0.0653	
15 minute summer	S6	1.006	S7	19.3	1.528	0.351	0.0361	
15 minute summer	S7	1.007	C1	20.6	1.655	0.131	0.0534	
15 minute summer	C1	1.015	OUTFALL	20.7	1.332	0.308	0.0561	6.2
15 minute summer	AT	1.008	S6	-0.6	-0.078	-0.005	0.0154	
15 minute summer	S9	2.000	S5	3.3	0.798	0.118	0.0543	
15 minute summer	S8	3.000	S4	1.7	0.609	0.093	0.0172	

Results for 30 year +40% CC Critical Storm Duration. Lowest mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	S1	8	135.649	0.099	12.8	0.1358	0.0000	OK
15 minute summer	S2	8	135.553	0.156	39.6	0.2439	0.0000	OK
15 minute summer	S3	9	135.465	0.247	38.8	0.4422	0.0000	SURCHARGED
15 minute summer	S4	9	135.420	0.272	42.7	0.3260	0.0000	SURCHARGED
15 minute summer	S5	9	135.343	0.270	55.3	0.3333	0.0000	SURCHARGED
15 minute summer	S6	9	135.248	0.215	59.4	0.3958	0.0000	OK
15 minute summer	S7	9	135.131	0.128	63.9	0.1574	0.0000	OK
15 minute summer	C1	9	134.873	0.253	64.1	0.2858	0.0000	SURCHARGED
15 minute summer	OUTFALL	9	134.733	0.173	64.0	0.0000	0.0000	OK
15 minute summer	AT	9	135.248	0.148	1.1	0.0235	0.0000	OK
15 minute summer	S9	8	135.417	0.067	12.0	0.0912	0.0000	OK
15 minute summer	S8	9	135.426	0.126	6.4	0.1553	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 summer	S1	1.001	S2	11.7	1.008	0.659	0.0906	
15 minute summer	S2	1.002	S3	37.2	1.179	0.678	0.5075	
15 minute summer	S3	1.003	S4	33.6	0.905	0.613	0.2516	
15 minute summer	S4	1.004	S5	43.0	1.081	0.784	0.2668	
15 minute summer	S5	1.005	S6	56.1	1.410	1.023	0.1422	
15 minute summer	S6	1.006	S7	59.8	1.864	1.092	0.0884	
15 minute summer	S7	1.007	C1	64.1	1.937	0.408	0.1340	
15 minute summer	C1	1.015	OUTFALL	64.0	1.662	0.952	0.1309	20.9
15 minute summer	AT	1.008	S6	-1.1	0.070	-0.010	0.0472	
15 minute summer	S9	2.000	S5	11.5	0.787	0.415	0.1264	
15 minute summer	S8	3.000	S4	5.9	0.746	0.331	0.1056	

Results for 100 year +40% CC Critical Storm Duration. Lowest mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	S1	9	135.746	0.196	16.4	0.2677	0.0000	SURCHARGED
15 minute summer	S2	9	135.694	0.297	50.7	0.4660	0.0000	SURCHARGED
15 minute summer	S3	9	135.592	0.374	41.8	0.6701	0.0000	SURCHARGED
15 minute summer	S4	9	135.531	0.383	48.4	0.4597	0.0000	SURCHARGED
15 minute summer	S5	9	135.432	0.359	64.4	0.4432	0.0000	SURCHARGED
15 minute summer	S6	9	135.306	0.273	68.6	0.5037	0.0000	SURCHARGED
15 minute summer	S7	9	135.164	0.162	74.1	0.1988	0.0000	OK
15 minute summer	C1	9	134.943	0.323	74.2	0.3652	0.0000	SURCHARGED
15 minute summer	OUTFALL	9	134.772	0.212	74.3	0.0000	0.0000	OK
15 minute summer	AT	9	135.306	0.206	2.0	0.0328	0.0000	OK
15 minute summer	S9	9	135.463	0.113	15.4	0.1524	0.0000	OK
15 minute summer	S8	9	135.540	0.240	8.2	0.2956	0.0000	SURCHARGED

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	S1	1.001	S2	14.8	0.953	0.835	0.1375	
15 minute summer	S2	1.002	S3	39.8	1.177	0.726	0.6413	
15 minute summer	S3	1.003	S4	38.8	0.975	0.707	0.2516	
15 minute summer	S4	1.004	S5	48.7	1.223	0.888	0.2668	
15 minute summer	S5	1.005	S6	64.6	1.625	1.179	0.1434	
15 minute summer	S6	1.006	S7	68.8	1.860	1.255	0.0996	
15 minute summer	S7	1.007	C1	74.2	1.953	0.473	0.1494	
15 minute summer	C1	1.015	OUTFALL	74.3	1.869	1.106	0.1416	26.8
15 minute summer	AT	1.008	S6	-2.0	0.061	-0.018	0.0551	
15 minute summer	S9	2.000	S5	13.3	0.838	0.478	0.1590	
15 minute summer	S8	3.000	S4	5.6	0.671	0.315	0.1113	

Results for 1 year 15 minute summer. 255 minute analysis at 1 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	S1	8	135.597	0.047	3.7	0.0637	0.0000	OK
15 minute summer	S2	8	135.468	0.071	11.5	0.1111	0.0000	OK
15 minute summer	S3	9	135.292	0.073	11.2	0.1315	0.0000	OK
15 minute summer	S4	9	135.234	0.086	12.8	0.1034	0.0000	OK
15 minute summer	S5	9	135.180	0.107	17.2	0.1317	0.0000	OK
15 minute summer	S6	9	135.136	0.103	18.9	0.1900	0.0000	OK
15 minute summer	S7	9	135.059	0.057	20.5	0.0695	0.0000	OK
15 minute summer	C1	9	134.722	0.101	20.6	0.1148	0.0000	OK
15 minute summer	OUTFALL	9	134.645	0.085	20.7	0.0000	0.0000	OK
15 minute summer	AT	9	135.136	0.036	0.6	0.0057	0.0000	OK
15 minute summer	S9	8	135.385	0.035	3.5	0.0473	0.0000	OK
15 minute summer	S8	8	135.333	0.033	1.9	0.0402	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	S1	1.001	S2	3.3	0.739	0.185	0.0348	
15 minute summer	S2	1.002	S3	10.7	0.977	0.195	0.1762	
15 minute summer	S3	1.003	S4	10.4	0.823	0.189	0.0798	
15 minute summer	S4	1.004	S5	13.4	0.828	0.245	0.1089	
15 minute summer	S5	1.005	S6	17.9	0.989	0.326	0.0653	
15 minute summer	S6	1.006	S7	19.3	1.528	0.351	0.0361	
15 minute summer	S7	1.007	C1	20.6	1.655	0.131	0.0534	
15 minute summer	C1	1.015	OUTFALL	20.7	1.332	0.308	0.0561	6.2
15 minute summer	AT	1.008	S6	-0.6	-0.078	-0.005	0.0154	
15 minute summer	S9	2.000	S5	3.3	0.798	0.118	0.0543	
15 minute summer	S8	3.000	S4	1.7	0.609	0.093	0.0172	

Results for 1 year 15 minute winter. 255 minute analysis at 1 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	S1	8	135.590	0.040	2.6	0.0544	0.0000	OK
15 minute winter	S2	8	135.457	0.060	8.3	0.0942	0.0000	OK
15 minute winter	S3	9	135.283	0.064	8.4	0.1154	0.0000	OK
15 minute winter	S4	9	135.222	0.074	10.2	0.0892	0.0000	OK
15 minute winter	S5	9	135.165	0.092	13.7	0.1132	0.0000	OK
15 minute winter	S6	9	135.122	0.089	14.7	0.1647	0.0000	OK
15 minute winter	S7	9	135.051	0.049	15.9	0.0599	0.0000	OK
15 minute winter	C1	9	134.707	0.087	15.9	0.0984	0.0000	OK
15 minute winter	OUTFALL	9	134.634	0.074	15.9	0.0000	0.0000	OK
15 minute winter	AT	9	135.122	0.022	0.2	0.0036	0.0000	OK
15 minute winter	S9	8	135.380	0.030	2.5	0.0406	0.0000	OK
15 minute winter	S8	8	135.328	0.028	1.3	0.0341	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	S1	1.001	S2	2.5	0.691	0.141	0.0282	
15 minute winter	S2	1.002	S3	8.1	0.908	0.147	0.1433	
15 minute winter	S3	1.003	S4	8.2	0.791	0.150	0.0658	
15 minute winter	S4	1.004	S5	10.4	0.782	0.189	0.0892	
15 minute winter	S5	1.005	S6	13.9	0.930	0.253	0.0538	
15 minute winter	S6	1.006	S7	14.8	1.432	0.270	0.0297	
15 minute winter	S7	1.007	C1	15.9	1.579	0.101	0.0435	
15 minute winter	C1	1.015	OUTFALL	15.9	1.249	0.237	0.0461	6.2
15 minute winter	AT	1.008	S6	-0.2	-0.040	-0.002	0.0118	
15 minute winter	S9	2.000	S5	2.4	0.787	0.087	0.0420	
15 minute winter	S8	3.000	S4	1.2	0.563	0.069	0.0137	

Results for 1 year 30 minute summer. 270 minute analysis at 1 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	S1	16	135.590	0.040	2.5	0.0542	0.0000	OK
30 minute summer	S2	16	135.457	0.060	8.1	0.0936	0.0000	OK
30 minute summer	S3	16	135.284	0.065	8.4	0.1172	0.0000	OK
30 minute summer	S4	16	135.224	0.076	10.6	0.0906	0.0000	OK
30 minute summer	S5	16	135.165	0.092	14.2	0.1141	0.0000	OK
30 minute summer	S6	16	135.122	0.089	15.0	0.1644	0.0000	OK
30 minute summer	S7	16	135.051	0.049	16.0	0.0600	0.0000	OK
30 minute summer	C1	16	134.706	0.086	15.9	0.0976	0.0000	OK
30 minute summer	OUTFALL	16	134.633	0.073	15.6	0.0000	0.0000	OK
30 minute summer	AT	16	135.122	0.022	0.3	0.0035	0.0000	OK
30 minute summer	S9	16	135.380	0.030	2.4	0.0404	0.0000	OK
30 minute summer	S8	16	135.328	0.028	1.3	0.0350	0.0000	OK
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute summer	S1	1.001	S2	2.5	0.693	0.141	0.0281	
30 minute summer	S2	1.002	S3	8.1	0.901	0.148	0.1451	
30 minute summer	S3	1.003	S4	8.3	0.785	0.152	0.0673	
30 minute summer	S4	1.004	S5	10.5	0.781	0.192	0.0906	
30 minute summer	S5	1.005	S6	14.0	0.936	0.256	0.0540	
30 minute summer	S6	1.006	S7	14.7	1.428	0.267	0.0297	
30 minute summer	S7	1.007	C1	15.9	1.582	0.101	0.0432	
30 minute summer	C1	1.015	OUTFALL	15.6	1.246	0.232	0.0455	8.3
30 minute summer	AT	1.008	S6	-0.3	-0.052	-0.003	0.0118	
30 minute summer	S9	2.000	S5	2.4	0.764	0.086	0.0434	
30 minute summer	S8	3.000	S4	1.3	0.574	0.073	0.0143	

Results for 1 year 30 minute winter. 270 minute analysis at 1 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute winter	S1	16	135.583	0.033	1.8	0.0457	0.0000	OK
30 minute winter	S2	16	135.447	0.050	5.7	0.0780	0.0000	OK
30 minute winter	S3	16	135.272	0.053	5.9	0.0957	0.0000	OK
30 minute winter	S4	16	135.209	0.061	7.5	0.0733	0.0000	OK
30 minute winter	S5	16	135.149	0.076	10.0	0.0934	0.0000	OK
30 minute winter	S6	16	135.108	0.075	10.7	0.1377	0.0000	OK
30 minute winter	S7	16	135.043	0.041	11.4	0.0502	0.0000	OK
30 minute winter	C1	17	134.692	0.072	11.4	0.0810	0.0000	OK
30 minute winter	OUTFALL	17	134.622	0.062	11.4	0.0000	0.0000	OK
30 minute winter	AT	16	135.108	0.008	0.1	0.0012	0.0000	OK
30 minute winter	S9	16	135.375	0.025	1.7	0.0341	0.0000	OK
30 minute winter	S8	16	135.324	0.024	0.9	0.0291	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	S1	1.001	S2	1.8	0.633	0.101	0.0222	
30 minute winter	S2	1.002	S3	5.7	0.832	0.104	0.1104	
30 minute winter	S3	1.003	S4	5.9	0.739	0.107	0.0503	
30 minute winter	S4	1.004	S5	7.4	0.731	0.136	0.0684	
30 minute winter	S5	1.005	S6	10.0	0.860	0.182	0.0418	
30 minute winter	S6	1.006	S7	10.5	1.313	0.192	0.0232	
30 minute winter	S7	1.007	C1	11.4	1.473	0.073	0.0335	
30 minute winter	C1	1.015	OUTFALL	11.4	1.152	0.170	0.0357	8.3
30 minute winter	AT	1.008	S6	-0.1	-0.023	-0.001	0.0084	
30 minute winter	S9	2.000	S5	1.7	0.739	0.061	0.0289	
30 minute winter	S8	3.000	S4	0.9	0.518	0.051	0.0110	

Results for 1 year 60 minute summer. 300 minute analysis at 1 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute summer	S1	31	135.583	0.033	1.8	0.0457	0.0000	OK
60 minute summer	S2	31	135.447	0.050	5.7	0.0780	0.0000	OK
60 minute summer	S3	31	135.271	0.053	5.9	0.0957	0.0000	OK
60 minute summer	S4	31	135.209	0.061	7.5	0.0732	0.0000	OK
60 minute summer	S5	31	135.148	0.075	10.0	0.0932	0.0000	OK
60 minute summer	S6	31	135.108	0.074	10.6	0.1373	0.0000	OK
60 minute summer	S7	31	135.043	0.041	11.4	0.0501	0.0000	OK
60 minute summer	C1	32	134.692	0.072	11.3	0.0810	0.0000	OK
60 minute summer	OUTFALL	32	134.622	0.062	11.4	0.0000	0.0000	OK
60 minute summer	AT	31	135.108	0.007	0.1	0.0012	0.0000	OK
60 minute summer	S9	31	135.375	0.025	1.7	0.0341	0.0000	OK
60 minute summer	S8	31	135.324	0.024	0.9	0.0291	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	S1	1.001	S2	1.8	0.633	0.101	0.0222	
60 minute summer	S2	1.002	S3	5.7	0.832	0.104	0.1104	
60 minute summer	S3	1.003	S4	5.9	0.739	0.107	0.0502	
60 minute summer	S4	1.004	S5	7.4	0.731	0.135	0.0682	
60 minute summer	S5	1.005	S6	9.9	0.860	0.181	0.0417	
60 minute summer	S6	1.006	S7	10.5	1.312	0.191	0.0231	
60 minute summer	S7	1.007	C1	11.3	1.471	0.072	0.0334	
60 minute summer	C1	1.015	OUTFALL	11.4	1.152	0.169	0.0357	11.2
60 minute summer	AT	1.008	S6	-0.1	-0.027	-0.001	0.0084	
60 minute summer	S9	2.000	S5	1.7	0.740	0.061	0.0288	
60 minute summer	S8	3.000	S4	0.9	0.518	0.051	0.0110	

Results for 1 year 60 minute winter. 300 minute analysis at 1 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	S1	32	135.577	0.027	1.2	0.0372	0.0000	OK
60 minute winter	S2	31	135.438	0.041	3.8	0.0636	0.0000	OK
60 minute winter	S3	31	135.261	0.043	3.9	0.0764	0.0000	OK
60 minute winter	S4	31	135.196	0.048	4.9	0.0576	0.0000	OK
60 minute winter	S5	32	135.133	0.060	6.6	0.0736	0.0000	OK
60 minute winter	S6	32	135.093	0.060	7.0	0.1109	0.0000	OK
60 minute winter	S7	32	135.036	0.034	7.6	0.0412	0.0000	OK
60 minute winter	C1	32	134.677	0.057	7.6	0.0647	0.0000	OK
60 minute winter	OUTFALL	32	134.611	0.051	7.6	0.0000	0.0000	OK
60 minute winter	AT	1	135.100	0.000	0.0	0.0000	0.0000	OK
60 minute winter	S9	31	135.370	0.020	1.1	0.0277	0.0000	OK
60 minute winter	S8	32	135.319	0.019	0.6	0.0238	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	S1	1.001	S2	1.2	0.564	0.068	0.0166	
60 minute winter	S2	1.002	S3	3.8	0.754	0.069	0.0813	
60 minute winter	S3	1.003	S4	3.9	0.684	0.071	0.0361	
60 minute winter	S4	1.004	S5	4.9	0.673	0.089	0.0489	
60 minute winter	S5	1.005	S6	6.6	0.780	0.120	0.0305	
60 minute winter	S6	1.006	S7	7.0	1.171	0.128	0.0173	
60 minute winter	S7	1.007	C1	7.6	1.332	0.048	0.0246	
60 minute winter	C1	1.015	OUTFALL	7.6	1.040	0.113	0.0264	11.1
60 minute winter	AT	1.008	S6	0.0	0.000	0.000	0.0060	
60 minute winter	S9	2.000	S5	1.1	0.727	0.040	0.0166	
60 minute winter	S8	3.000	S4	0.6	0.460	0.034	0.0082	

Results for 1 year 120 minute summer. 360 minute analysis at 2 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute summer	S1	62	135.577	0.027	1.2	0.0372	0.0000	OK
120 minute summer	S2	62	135.438	0.041	3.8	0.0636	0.0000	OK
120 minute summer	S3	62	135.261	0.043	3.9	0.0764	0.0000	OK
120 minute summer	S4	62	135.196	0.048	4.9	0.0576	0.0000	OK
120 minute summer	S5	62	135.133	0.060	6.6	0.0737	0.0000	OK
120 minute summer	S6	62	135.093	0.060	7.0	0.1109	0.0000	OK
120 minute summer	S7	62	135.036	0.034	7.6	0.0411	0.0000	OK
120 minute summer	C1	62	134.677	0.057	7.6	0.0646	0.0000	OK
120 minute summer	OUTFALL	62	134.611	0.051	7.6	0.0000	0.0000	OK
120 minute summer	AT	2	135.100	0.000	0.0	0.0000	0.0000	OK
120 minute summer	S9	62	135.370	0.020	1.1	0.0277	0.0000	OK
120 minute summer	S8	62	135.319	0.019	0.6	0.0238	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	S1	1.001	S2	1.2	0.564	0.068	0.0166	
120 minute summer	S2	1.002	S3	3.8	0.754	0.069	0.0813	
120 minute summer	S3	1.003	S4	3.9	0.684	0.071	0.0361	
120 minute summer	S4	1.004	S5	4.9	0.673	0.089	0.0489	
120 minute summer	S5	1.005	S6	6.6	0.780	0.120	0.0305	
120 minute summer	S6	1.006	S7	7.0	1.170	0.127	0.0172	
120 minute summer	S7	1.007	C1	7.6	1.332	0.048	0.0246	
120 minute summer	C1	1.015	OUTFALL	7.6	1.039	0.113	0.0263	14.6
120 minute summer	AT	1.008	S6	0.0	0.000	0.000	0.0060	
120 minute summer	S9	2.000	S5	1.1	0.726	0.040	0.0166	
120 minute summer	S8	3.000	S4	0.6	0.460	0.034	0.0082	

Results for 1 year 120 minute winter. 360 minute analysis at 2 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute winter	S1	62	135.572	0.022	0.8	0.0304	0.0000	OK
120 minute winter	S2	62	135.430	0.033	2.5	0.0517	0.0000	OK
120 minute winter	S3	64	135.253	0.035	2.6	0.0618	0.0000	OK
120 minute winter	S4	64	135.187	0.039	3.3	0.0465	0.0000	OK
120 minute winter	S5	64	135.121	0.048	4.4	0.0589	0.0000	OK
120 minute winter	S6	64	135.082	0.049	4.7	0.0905	0.0000	OK
120 minute winter	S7	64	135.030	0.028	5.1	0.0340	0.0000	OK
120 minute winter	C1	64	134.666	0.046	5.1	0.0521	0.0000	OK
120 minute winter	OUTFALL	64	134.602	0.042	5.1	0.0000	0.0000	OK
120 minute winter	AT	2	135.100	0.000	0.0	0.0000	0.0000	OK
120 minute winter	S9	62	135.367	0.017	0.7	0.0226	0.0000	OK
120 minute winter	S8	64	135.316	0.016	0.4	0.0196	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	S1	1.001	S2	0.8	0.503	0.045	0.0124	
120 minute winter	S2	1.002	S3	2.5	0.673	0.046	0.0599	
120 minute winter	S3	1.003	S4	2.6	0.621	0.047	0.0265	
120 minute winter	S4	1.004	S5	3.3	0.621	0.060	0.0357	
120 minute winter	S5	1.005	S6	4.4	0.705	0.080	0.0225	
120 minute winter	S6	1.006	S7	4.7	1.048	0.086	0.0130	
120 minute winter	S7	1.007	C1	5.1	1.205	0.032	0.0183	
120 minute winter	C1	1.015	OUTFALL	5.1	0.938	0.076	0.0196	14.7
120 minute winter	AT	1.008	S6	0.0	0.000	0.000	0.0045	
120 minute winter	S9	2.000	S5	0.7	0.662	0.025	0.0106	
120 minute winter	S8	3.000	S4	0.4	0.408	0.023	0.0062	

Results for 1 year 180 minute summer. 420 minute analysis at 4 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute summer	S1	92	135.573	0.023	0.9	0.0320	0.0000	OK
180 minute summer	S2	92	135.433	0.036	3.0	0.0563	0.0000	OK
180 minute summer	S3	92	135.255	0.037	3.1	0.0669	0.0000	OK
180 minute summer	S4	92	135.190	0.042	3.9	0.0507	0.0000	OK
180 minute summer	S5	92	135.125	0.052	5.3	0.0648	0.0000	OK
180 minute summer	S6	92	135.087	0.054	5.6	0.0988	0.0000	OK
180 minute summer	S7	92	135.032	0.030	6.1	0.0369	0.0000	OK
180 minute summer	C1	92	134.670	0.050	6.1	0.0570	0.0000	OK
180 minute summer	OUTFALL	92	134.605	0.045	6.0	0.0000	0.0000	OK
180 minute summer	AT	4	135.100	0.000	0.0	0.0000	0.0000	OK
180 minute summer	S9	92	135.369	0.019	0.9	0.0254	0.0000	OK
180 minute summer	S8	92	135.318	0.018	0.5	0.0216	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	S1	1.001	S2	0.9	0.518	0.050	0.0134	
180 minute summer	S2	1.002	S3	3.0	0.707	0.054	0.0675	
180 minute summer	S3	1.003	S4	3.0	0.640	0.055	0.0299	
180 minute summer	S4	1.004	S5	3.9	0.639	0.071	0.0408	
180 minute summer	S5	1.005	S6	5.2	0.734	0.095	0.0256	
180 minute summer	S6	1.006	S7	5.6	1.097	0.102	0.0147	
180 minute summer	S7	1.007	C1	6.1	1.261	0.039	0.0207	
180 minute summer	C1	1.015	OUTFALL	6.0	0.978	0.089	0.0222	16.4
180 minute summer	AT	1.008	S6	0.0	0.000	0.000	0.0051	
180 minute summer	S9	2.000	S5	0.9	0.710	0.032	0.0125	
180 minute summer	S8	3.000	S4	0.5	0.432	0.027	0.0071	

Results for 1 year 180 minute winter. 420 minute analysis at 4 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute winter	S1	92	135.569	0.019	0.6	0.0264	0.0000	OK
180 minute winter	S2	92	135.426	0.029	1.9	0.0452	0.0000	OK
180 minute winter	S3	92	135.248	0.030	2.0	0.0541	0.0000	OK
180 minute winter	S4	92	135.182	0.033	2.5	0.0401	0.0000	OK
180 minute winter	S5	92	135.114	0.041	3.4	0.0512	0.0000	OK
180 minute winter	S6	92	135.076	0.043	3.6	0.0791	0.0000	OK
180 minute winter	S7	92	135.027	0.025	3.9	0.0300	0.0000	OK
180 minute winter	C1	92	134.660	0.040	3.9	0.0452	0.0000	OK
180 minute winter	OUTFALL	92	134.597	0.037	3.9	0.0000	0.0000	OK
180 minute winter	AT	4	135.100	0.000	0.0	0.0000	0.0000	OK
180 minute winter	S9	96	135.366	0.016	0.6	0.0210	0.0000	OK
180 minute winter	S8	92	135.314	0.014	0.3	0.0170	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	S1	1.001	S2	0.6	0.462	0.034	0.0101	
180 minute winter	S2	1.002	S3	1.9	0.622	0.035	0.0493	
180 minute winter	S3	1.003	S4	2.0	0.586	0.036	0.0216	
180 minute winter	S4	1.004	S5	2.5	0.579	0.046	0.0291	
180 minute winter	S5	1.005	S6	3.4	0.663	0.062	0.0185	
180 minute winter	S6	1.006	S7	3.6	0.971	0.066	0.0107	
180 minute winter	S7	1.007	C1	3.9	1.122	0.025	0.0150	
180 minute winter	C1	1.015	OUTFALL	3.9	0.873	0.058	0.0161	17.0
180 minute winter	AT	1.008	S6	0.0	0.000	0.000	0.0037	
180 minute winter	S9	2.000	S5	0.6	0.632	0.022	0.0095	
180 minute winter	S8	3.000	S4	0.3	0.376	0.017	0.0050	

Results for 1 year 240 minute summer. 480 minute analysis at 4 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute summer	S1	124	135.572	0.022	0.8	0.0304	0.0000	OK
240 minute summer	S2	124	135.430	0.033	2.5	0.0517	0.0000	OK
240 minute summer	S3	124	135.253	0.035	2.6	0.0618	0.0000	OK
240 minute summer	S4	124	135.187	0.039	3.3	0.0465	0.0000	OK
240 minute summer	S5	124	135.121	0.048	4.4	0.0589	0.0000	OK
240 minute summer	S6	124	135.082	0.049	4.7	0.0905	0.0000	OK
240 minute summer	S7	124	135.030	0.028	5.1	0.0340	0.0000	OK
240 minute summer	C1	124	134.666	0.046	5.1	0.0521	0.0000	OK
240 minute summer	OUTFALL	124	134.602	0.042	5.1	0.0000	0.0000	OK
240 minute summer	AT	4	135.100	0.000	0.0	0.0000	0.0000	OK
240 minute summer	S9	124	135.367	0.017	0.7	0.0226	0.0000	OK
240 minute summer	S8	124	135.316	0.016	0.4	0.0196	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	S1	1.001	S2	0.8	0.503	0.045	0.0124	
240 minute summer	S2	1.002	S3	2.5	0.673	0.046	0.0599	
240 minute summer	S3	1.003	S4	2.6	0.621	0.047	0.0265	
240 minute summer	S4	1.004	S5	3.3	0.621	0.060	0.0357	
240 minute summer	S5	1.005	S6	4.4	0.705	0.080	0.0225	
240 minute summer	S6	1.006	S7	4.7	1.048	0.086	0.0130	
240 minute summer	S7	1.007	C1	5.1	1.205	0.032	0.0183	
240 minute summer	C1	1.015	OUTFALL	5.1	0.938	0.076	0.0196	18.0
240 minute summer	AT	1.008	S6	0.0	0.000	0.000	0.0045	
240 minute summer	S9	2.000	S5	0.7	0.662	0.025	0.0106	
240 minute summer	S8	3.000	S4	0.4	0.408	0.023	0.0062	

Results for 1 year 240 minute winter. 480 minute analysis at 4 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute winter	S1	120	135.568	0.018	0.5	0.0241	0.0000	OK
240 minute winter	S2	124	135.424	0.027	1.6	0.0416	0.0000	OK
240 minute winter	S3	128	135.246	0.028	1.7	0.0498	0.0000	OK
240 minute winter	S4	124	135.179	0.031	2.2	0.0376	0.0000	OK
240 minute winter	S5	124	135.112	0.039	3.0	0.0479	0.0000	OK
240 minute winter	S6	124	135.073	0.040	3.2	0.0745	0.0000	OK
240 minute winter	S7	124	135.025	0.023	3.5	0.0285	0.0000	OK
240 minute winter	C1	124	134.658	0.038	3.5	0.0427	0.0000	OK
240 minute winter	OUTFALL	124	134.595	0.035	3.5	0.0000	0.0000	OK
240 minute winter	AT	4	135.100	0.000	0.0	0.0000	0.0000	OK
240 minute winter	S9	124	135.364	0.014	0.5	0.0192	0.0000	OK
240 minute winter	S8	124	135.314	0.014	0.3	0.0170	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	S1	1.001	S2	0.5	0.438	0.028	0.0089	
240 minute winter	S2	1.002	S3	1.6	0.591	0.029	0.0437	
240 minute winter	S3	1.003	S4	1.7	0.562	0.031	0.0194	
240 minute winter	S4	1.004	S5	2.2	0.561	0.040	0.0264	
240 minute winter	S5	1.005	S6	3.0	0.641	0.055	0.0169	
240 minute winter	S6	1.006	S7	3.2	0.937	0.058	0.0099	
240 minute winter	S7	1.007	C1	3.5	1.092	0.022	0.0138	
240 minute winter	C1	1.015	OUTFALL	3.5	0.848	0.052	0.0149	18.1
240 minute winter	AT	1.008	S6	0.0	0.000	0.000	0.0034	
240 minute winter	S9	2.000	S5	0.5	0.599	0.018	0.0083	
240 minute winter	S8	3.000	S4	0.3	0.376	0.017	0.0050	

Results for 1 year 360 minute summer. 600 minute analysis at 8 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute summer	S1	184	135.569	0.019	0.6	0.0262	0.0000	OK
360 minute summer	S2	184	135.426	0.029	1.9	0.0451	0.0000	OK
360 minute summer	S3	184	135.248	0.030	2.0	0.0537	0.0000	OK
360 minute summer	S4	184	135.181	0.033	2.5	0.0398	0.0000	OK
360 minute summer	S5	184	135.114	0.041	3.4	0.0508	0.0000	OK
360 minute summer	S6	184	135.076	0.043	3.6	0.0785	0.0000	OK
360 minute summer	S7	184	135.026	0.024	3.8	0.0298	0.0000	OK
360 minute summer	C1	184	134.660	0.040	3.8	0.0448	0.0000	OK
360 minute summer	OUTFALL	184	134.596	0.036	3.8	0.0000	0.0000	OK
360 minute summer	AT	8	135.100	0.000	0.0	0.0000	0.0000	OK
360 minute summer	S9	184	135.365	0.015	0.6	0.0209	0.0000	OK
360 minute summer	S8	184	135.314	0.014	0.3	0.0170	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	S1	1.001	S2	0.6	0.460	0.033	0.0101	
360 minute summer	S2	1.002	S3	1.9	0.621	0.034	0.0489	
360 minute summer	S3	1.003	S4	2.0	0.583	0.036	0.0214	
360 minute summer	S4	1.004	S5	2.5	0.577	0.045	0.0288	
360 minute summer	S5	1.005	S6	3.4	0.661	0.061	0.0183	
360 minute summer	S6	1.006	S7	3.5	0.966	0.065	0.0106	
360 minute summer	S7	1.007	C1	3.8	1.118	0.024	0.0148	
360 minute summer	C1	1.015	OUTFALL	3.8	0.869	0.057	0.0159	20.8
360 minute summer	AT	1.008	S6	0.0	0.000	0.000	0.0037	
360 minute summer	S9	2.000	S5	0.6	0.630	0.021	0.0094	
360 minute summer	S8	3.000	S4	0.3	0.376	0.017	0.0050	

Results for 1 year 360 minute winter. 600 minute analysis at 8 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute winter	S1	184	135.566	0.016	0.4	0.0217	0.0000	OK
360 minute winter	S2	184	135.421	0.024	1.3	0.0378	0.0000	OK
360 minute winter	S3	184	135.242	0.024	1.3	0.0435	0.0000	OK
360 minute winter	S4	184	135.175	0.027	1.6	0.0318	0.0000	OK
360 minute winter	S5	184	135.106	0.033	2.2	0.0404	0.0000	OK
360 minute winter	S6	184	135.067	0.034	2.3	0.0630	0.0000	OK
360 minute winter	S7	184	135.022	0.020	2.5	0.0242	0.0000	OK
360 minute winter	C1	184	134.652	0.031	2.5	0.0356	0.0000	OK
360 minute winter	OUTFALL	184	134.590	0.029	2.5	0.0000	0.0000	OK
360 minute winter	AT	8	135.100	0.000	0.0	0.0000	0.0000	OK
360 minute winter	S9	184	135.363	0.013	0.4	0.0173	0.0000	OK
360 minute winter	S8	168	135.311	0.011	0.2	0.0141	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	S1	1.001	S2	0.4	0.410	0.023	0.0076	
360 minute winter	S2	1.002	S3	1.3	0.567	0.024	0.0368	
360 minute winter	S3	1.003	S4	1.3	0.525	0.024	0.0155	
360 minute winter	S4	1.004	S5	1.6	0.516	0.029	0.0207	
360 minute winter	S5	1.005	S6	2.2	0.595	0.040	0.0132	
360 minute winter	S6	1.006	S7	2.3	0.850	0.042	0.0077	
360 minute winter	S7	1.007	C1	2.5	0.997	0.016	0.0107	
360 minute winter	C1	1.015	OUTFALL	2.5	0.772	0.037	0.0116	20.9
360 minute winter	AT	1.008	S6	0.0	0.000	0.000	0.0027	
360 minute winter	S9	2.000	S5	0.4	0.561	0.014	0.0071	
360 minute winter	S8	3.000	S4	0.2	0.332	0.011	0.0038	

Results for 1 year 480 minute summer. 720 minute analysis at 8 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute summer	S1	248	135.568	0.018	0.5	0.0241	0.0000	OK
480 minute summer	S2	248	135.424	0.027	1.6	0.0416	0.0000	OK
480 minute summer	S3	248	135.246	0.028	1.7	0.0499	0.0000	OK
480 minute summer	S4	248	135.179	0.031	2.1	0.0367	0.0000	OK
480 minute summer	S5	248	135.110	0.037	2.8	0.0461	0.0000	OK
480 minute summer	S6	248	135.072	0.039	3.0	0.0722	0.0000	OK
480 minute summer	S7	248	135.024	0.022	3.2	0.0273	0.0000	OK
480 minute summer	C1	248	134.656	0.036	3.2	0.0407	0.0000	OK
480 minute summer	OUTFALL	248	134.593	0.033	3.2	0.0000	0.0000	OK
480 minute summer	AT	8	135.100	0.000	0.0	0.0000	0.0000	OK
480 minute summer	S9	248	135.364	0.014	0.5	0.0192	0.0000	OK
480 minute summer	S8	232	135.311	0.011	0.2	0.0141	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	S1	1.001	S2	0.5	0.438	0.028	0.0089	
480 minute summer	S2	1.002	S3	1.6	0.590	0.029	0.0437	
480 minute summer	S3	1.003	S4	1.7	0.564	0.031	0.0191	
480 minute summer	S4	1.004	S5	2.1	0.560	0.038	0.0252	
480 minute summer	S5	1.005	S6	2.8	0.628	0.051	0.0161	
480 minute summer	S6	1.006	S7	3.0	0.925	0.055	0.0094	
480 minute summer	S7	1.007	C1	3.2	1.067	0.020	0.0129	
480 minute summer	C1	1.015	OUTFALL	3.2	0.829	0.048	0.0139	21.9
480 minute summer	AT	1.008	S6	0.0	0.000	0.000	0.0033	
480 minute summer	S9	2.000	S5	0.5	0.599	0.018	0.0083	
480 minute summer	S8	3.000	S4	0.2	0.332	0.011	0.0038	

Results for 1 year 480 minute winter. 720 minute analysis at 8 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute winter	S1	224	135.564	0.014	0.3	0.0189	0.0000	OK
480 minute winter	S2	232	135.418	0.021	1.0	0.0334	0.0000	OK
480 minute winter	S3	232	135.239	0.021	1.0	0.0383	0.0000	OK
480 minute winter	S4	240	135.172	0.024	1.3	0.0288	0.0000	OK
480 minute winter	S5	240	135.103	0.030	1.8	0.0366	0.0000	OK
480 minute winter	S6	240	135.064	0.031	1.9	0.0576	0.0000	OK
480 minute winter	S7	240	135.020	0.018	2.1	0.0224	0.0000	OK
480 minute winter	C1	240	134.649	0.029	2.1	0.0328	0.0000	OK
480 minute winter	OUTFALL	240	134.587	0.027	2.1	0.0000	0.0000	OK
480 minute winter	AT	8	135.100	0.000	0.0	0.0000	0.0000	OK
480 minute winter	S9	216	135.361	0.011	0.3	0.0151	0.0000	OK
480 minute winter	S8	240	135.311	0.011	0.2	0.0141	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	S1	1.001	S2	0.3	0.377	0.017	0.0062	
480 minute winter	S2	1.002	S3	1.0	0.528	0.018	0.0306	
480 minute winter	S3	1.003	S4	1.0	0.481	0.018	0.0131	
480 minute winter	S4	1.004	S5	1.3	0.489	0.024	0.0179	
480 minute winter	S5	1.005	S6	1.8	0.564	0.033	0.0115	
480 minute winter	S6	1.006	S7	1.9	0.807	0.035	0.0068	
480 minute winter	S7	1.007	C1	2.1	0.953	0.013	0.0095	
480 minute winter	C1	1.015	OUTFALL	2.1	0.738	0.031	0.0103	22.5
480 minute winter	AT	1.008	S6	0.0	0.000	0.000	0.0023	
480 minute winter	S9	2.000	S5	0.3	0.512	0.011	0.0059	
480 minute winter	S8	3.000	S4	0.2	0.332	0.011	0.0038	

Results for 1 year 600 minute summer. 840 minute analysis at 15 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute summer	S1	315	135.566	0.016	0.4	0.0217	0.0000	OK
600 minute summer	S2	315	135.421	0.024	1.3	0.0377	0.0000	OK
600 minute summer	S3	315	135.243	0.025	1.4	0.0452	0.0000	OK
600 minute summer	S4	315	135.176	0.028	1.8	0.0339	0.0000	OK
600 minute summer	S5	315	135.107	0.034	2.4	0.0425	0.0000	OK
600 minute summer	S6	315	135.070	0.036	2.6	0.0672	0.0000	OK
600 minute summer	S7	315	135.023	0.021	2.8	0.0256	0.0000	OK
600 minute summer	C1	315	134.654	0.034	2.8	0.0380	0.0000	OK
600 minute summer	OUTFALL	315	134.591	0.031	2.8	0.0000	0.0000	OK
600 minute summer	AT	15	135.100	0.000	0.0	0.0000	0.0000	OK
600 minute summer	S9	315	135.363	0.013	0.4	0.0173	0.0000	OK
600 minute summer	S8	300	135.311	0.011	0.2	0.0141	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	S1	1.001	S2	0.4	0.410	0.023	0.0076	
600 minute summer	S2	1.002	S3	1.3	0.556	0.024	0.0378	
600 minute summer	S3	1.003	S4	1.4	0.528	0.026	0.0168	
600 minute summer	S4	1.004	S5	1.8	0.539	0.033	0.0225	
600 minute summer	S5	1.005	S6	2.4	0.602	0.044	0.0144	
600 minute summer	S6	1.006	S7	2.6	0.886	0.047	0.0085	
600 minute summer	S7	1.007	C1	2.8	1.029	0.018	0.0117	
600 minute summer	C1	1.015	OUTFALL	2.8	0.799	0.042	0.0126	22.7
600 minute summer	AT	1.008	S6	0.0	0.000	0.000	0.0029	
600 minute summer	S9	2.000	S5	0.4	0.561	0.014	0.0071	
600 minute summer	S8	3.000	S4	0.2	0.332	0.011	0.0038	

Results for 1 year 600 minute winter. 840 minute analysis at 15 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute winter	S1	300	135.564	0.014	0.3	0.0189	0.0000	OK
600 minute winter	S2	300	135.417	0.020	0.9	0.0318	0.0000	OK
600 minute winter	S3	300	135.238	0.020	0.9	0.0365	0.0000	OK
600 minute winter	S4	300	135.170	0.022	1.1	0.0265	0.0000	OK
600 minute winter	S5	300	135.100	0.027	1.5	0.0333	0.0000	OK
600 minute winter	S6	300	135.062	0.029	1.6	0.0530	0.0000	OK
600 minute winter	S7	300	135.019	0.017	1.7	0.0203	0.0000	OK
600 minute winter	C1	300	134.646	0.026	1.7	0.0295	0.0000	OK
600 minute winter	OUTFALL	300	134.585	0.025	1.7	0.0000	0.0000	OK
600 minute winter	AT	15	135.100	0.000	0.0	0.0000	0.0000	OK
600 minute winter	S9	300	135.361	0.011	0.3	0.0151	0.0000	OK
600 minute winter	S8	225	135.308	0.008	0.1	0.0101	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	S1	1.001	S2	0.3	0.377	0.017	0.0062	
600 minute winter	S2	1.002	S3	0.9	0.511	0.016	0.0284	
600 minute winter	S3	1.003	S4	0.9	0.478	0.016	0.0119	
600 minute winter	S4	1.004	S5	1.1	0.473	0.020	0.0157	
600 minute winter	S5	1.005	S6	1.5	0.534	0.027	0.0101	
600 minute winter	S6	1.006	S7	1.6	0.771	0.029	0.0060	
600 minute winter	S7	1.007	C1	1.7	0.898	0.011	0.0082	
600 minute winter	C1	1.015	OUTFALL	1.7	0.695	0.025	0.0088	23.2
600 minute winter	AT	1.008	S6	0.0	0.000	0.000	0.0021	
600 minute winter	S9	2.000	S5	0.3	0.512	0.011	0.0059	
600 minute winter	S8	3.000	S4	0.1	0.269	0.006	0.0024	

Results for 1 year 720 minute summer. 960 minute analysis at 15 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute summer	S1	375	135.566	0.016	0.4	0.0217	0.0000	OK
720 minute summer	S2	375	135.420	0.023	1.2	0.0364	0.0000	OK
720 minute summer	S3	375	135.242	0.023	1.2	0.0420	0.0000	OK
720 minute summer	S4	375	135.174	0.026	1.5	0.0310	0.0000	OK
720 minute summer	S5	375	135.104	0.031	2.0	0.0386	0.0000	OK
720 minute summer	S6	375	135.066	0.033	2.1	0.0605	0.0000	OK
720 minute summer	S7	375	135.021	0.019	2.3	0.0234	0.0000	OK
720 minute summer	C1	375	134.650	0.030	2.3	0.0343	0.0000	OK
720 minute summer	OUTFALL	375	134.588	0.028	2.3	0.0000	0.0000	OK
720 minute summer	AT	15	135.100	0.000	0.0	0.0000	0.0000	OK
720 minute summer	S9	360	135.361	0.011	0.3	0.0151	0.0000	OK
720 minute summer	S8	360	135.311	0.011	0.2	0.0141	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	S1	1.001	S2	0.4	0.410	0.023	0.0076	
720 minute summer	S2	1.002	S3	1.2	0.554	0.022	0.0349	
720 minute summer	S3	1.003	S4	1.2	0.513	0.022	0.0148	
720 minute summer	S4	1.004	S5	1.5	0.515	0.027	0.0196	
720 minute summer	S5	1.005	S6	2.0	0.581	0.036	0.0124	
720 minute summer	S6	1.006	S7	2.1	0.831	0.038	0.0073	
720 minute summer	S7	1.007	C1	2.3	0.979	0.015	0.0102	
720 minute summer	C1	1.015	OUTFALL	2.3	0.757	0.034	0.0110	24.1
720 minute summer	AT	1.008	S6	0.0	0.000	0.000	0.0025	
720 minute summer	S9	2.000	S5	0.3	0.512	0.011	0.0059	
720 minute summer	S8	3.000	S4	0.2	0.332	0.011	0.0038	

Results for 1 year 720 minute winter. 960 minute analysis at 15 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute winter	S1	375	135.564	0.014	0.3	0.0189	0.0000	OK
720 minute winter	S2	375	135.416	0.019	0.8	0.0301	0.0000	OK
720 minute winter	S3	375	135.237	0.019	0.8	0.0344	0.0000	OK
720 minute winter	S4	375	135.169	0.021	1.0	0.0254	0.0000	OK
720 minute winter	S5	375	135.098	0.025	1.3	0.0310	0.0000	OK
720 minute winter	S6	375	135.060	0.027	1.4	0.0497	0.0000	OK
720 minute winter	S7	375	135.018	0.016	1.5	0.0192	0.0000	OK
720 minute winter	C1	375	134.645	0.024	1.5	0.0277	0.0000	OK
720 minute winter	OUTFALL	375	134.583	0.023	1.5	0.0000	0.0000	OK
720 minute winter	AT	15	135.100	0.000	0.0	0.0000	0.0000	OK
720 minute winter	S9	300	135.359	0.009	0.2	0.0125	0.0000	OK
720 minute winter	S8	270	135.308	0.008	0.1	0.0101	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	S1	1.001	S2	0.3	0.377	0.017	0.0062	
720 minute winter	S2	1.002	S3	0.8	0.494	0.015	0.0261	
720 minute winter	S3	1.003	S4	0.8	0.459	0.015	0.0111	
720 minute winter	S4	1.004	S5	1.0	0.468	0.018	0.0143	
720 minute winter	S5	1.005	S6	1.3	0.512	0.024	0.0092	
720 minute winter	S6	1.006	S7	1.4	0.740	0.026	0.0055	
720 minute winter	S7	1.007	C1	1.5	0.868	0.010	0.0075	
720 minute winter	C1	1.015	OUTFALL	1.5	0.671	0.022	0.0081	23.9
720 minute winter	AT	1.008	S6	0.0	0.000	0.000	0.0019	
720 minute winter	S9	2.000	S5	0.2	0.453	0.007	0.0044	
720 minute winter	S8	3.000	S4	0.1	0.269	0.006	0.0024	

Results for 1 year 960 minute summer. 1200 minute analysis at 15 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute summer	S1	480	135.564	0.014	0.3	0.0189	0.0000	OK
960 minute summer	S2	495	135.418	0.021	1.0	0.0334	0.0000	OK
960 minute summer	S3	495	135.239	0.021	1.0	0.0383	0.0000	OK
960 minute summer	S4	495	135.172	0.024	1.3	0.0288	0.0000	OK
960 minute summer	S5	495	135.103	0.030	1.8	0.0366	0.0000	OK
960 minute summer	S6	495	135.064	0.031	1.9	0.0576	0.0000	OK
960 minute summer	S7	495	135.020	0.018	2.1	0.0224	0.0000	OK
960 minute summer	C1	495	134.649	0.029	2.1	0.0328	0.0000	OK
960 minute summer	OUTFALL	495	134.587	0.027	2.1	0.0000	0.0000	OK
960 minute summer	AT	15	135.100	0.000	0.0	0.0000	0.0000	OK
960 minute summer	S9	480	135.361	0.011	0.3	0.0151	0.0000	OK
960 minute summer	S8	495	135.311	0.011	0.2	0.0141	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	S1	1.001	S2	0.3	0.377	0.017	0.0062	
960 minute summer	S2	1.002	S3	1.0	0.528	0.018	0.0306	
960 minute summer	S3	1.003	S4	1.0	0.481	0.018	0.0131	
960 minute summer	S4	1.004	S5	1.3	0.489	0.024	0.0179	
960 minute summer	S5	1.005	S6	1.8	0.564	0.033	0.0115	
960 minute summer	S6	1.006	S7	1.9	0.807	0.035	0.0068	
960 minute summer	S7	1.007	C1	2.1	0.953	0.013	0.0095	
960 minute summer	C1	1.015	OUTFALL	2.1	0.738	0.031	0.0103	25.7
960 minute summer	AT	1.008	S6	0.0	0.000	0.000	0.0023	
960 minute summer	S9	2.000	S5	0.3	0.512	0.011	0.0059	
960 minute summer	S8	3.000	S4	0.2	0.332	0.011	0.0038	

Results for 1 year 960 minute winter. 1200 minute analysis at 15 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute winter	S1	405	135.561	0.011	0.2	0.0156	0.0000	OK
960 minute winter	S2	495	135.415	0.018	0.7	0.0282	0.0000	OK
960 minute winter	S3	495	135.236	0.018	0.7	0.0322	0.0000	OK
960 minute winter	S4	495	135.168	0.020	0.9	0.0241	0.0000	OK
960 minute winter	S5	495	135.097	0.024	1.2	0.0298	0.0000	OK
960 minute winter	S6	495	135.059	0.026	1.3	0.0480	0.0000	OK
960 minute winter	S7	495	135.017	0.015	1.4	0.0186	0.0000	OK
960 minute winter	C1	495	134.644	0.024	1.4	0.0267	0.0000	OK
960 minute winter	OUTFALL	495	134.583	0.022	1.4	0.0000	0.0000	OK
960 minute winter	AT	15	135.100	0.000	0.0	0.0000	0.0000	OK
960 minute winter	S9	420	135.359	0.009	0.2	0.0125	0.0000	OK
960 minute winter	S8	360	135.308	0.008	0.1	0.0101	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	S1	1.001	S2	0.2	0.333	0.011	0.0047	
960 minute winter	S2	1.002	S3	0.7	0.475	0.013	0.0238	
960 minute winter	S3	1.003	S4	0.7	0.438	0.013	0.0101	
960 minute winter	S4	1.004	S5	0.9	0.451	0.016	0.0134	
960 minute winter	S5	1.005	S6	1.2	0.501	0.022	0.0087	
960 minute winter	S6	1.006	S7	1.3	0.723	0.024	0.0052	
960 minute winter	S7	1.007	C1	1.4	0.851	0.009	0.0071	
960 minute winter	C1	1.015	OUTFALL	1.4	0.658	0.021	0.0077	27.7
960 minute winter	AT	1.008	S6	0.0	0.000	0.000	0.0018	
960 minute winter	S9	2.000	S5	0.2	0.453	0.007	0.0044	
960 minute winter	S8	3.000	S4	0.1	0.269	0.006	0.0024	

Results for 1 year 1440 minute summer. 1680 minute analysis at 30 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute summer	S1	690	135.561	0.011	0.2	0.0156	0.0000	OK
1440 minute summer	S2	750	135.415	0.018	0.7	0.0282	0.0000	OK
1440 minute summer	S3	750	135.236	0.018	0.7	0.0322	0.0000	OK
1440 minute summer	S4	750	135.168	0.020	0.9	0.0241	0.0000	OK
1440 minute summer	S5	750	135.097	0.024	1.2	0.0298	0.0000	OK
1440 minute summer	S6	750	135.059	0.026	1.3	0.0480	0.0000	OK
1440 minute summer	S7	750	135.017	0.015	1.4	0.0186	0.0000	OK
1440 minute summer	C1	750	134.644	0.024	1.4	0.0267	0.0000	OK
1440 minute summer	OUTFALL	750	134.583	0.022	1.4	0.0000	0.0000	OK
1440 minute summer	AT	30	135.100	0.000	0.0	0.0000	0.0000	OK
1440 minute summer	S9	690	135.359	0.009	0.2	0.0125	0.0000	OK
1440 minute summer	S8	630	135.308	0.008	0.1	0.0101	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	S1	1.001	S2	0.2	0.333	0.011	0.0047	
1440 minute summer	S2	1.002	S3	0.7	0.475	0.013	0.0238	
1440 minute summer	S3	1.003	S4	0.7	0.438	0.013	0.0101	
1440 minute summer	S4	1.004	S5	0.9	0.451	0.016	0.0134	
1440 minute summer	S5	1.005	S6	1.2	0.501	0.022	0.0087	
1440 minute summer	S6	1.006	S7	1.3	0.723	0.024	0.0052	
1440 minute summer	S7	1.007	C1	1.4	0.851	0.009	0.0071	
1440 minute summer	C1	1.015	OUTFALL	1.4	0.658	0.021	0.0077	28.9
1440 minute summer	AT	1.008	S6	0.0	0.000	0.000	0.0018	
1440 minute summer	S9	2.000	S5	0.2	0.453	0.007	0.0044	
1440 minute summer	S8	3.000	S4	0.1	0.269	0.006	0.0024	

Results for 1 year 1440 minute winter. 1680 minute analysis at 30 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute winter	S1	720	135.561	0.011	0.2	0.0156	0.0000	OK
1440 minute winter	S2	750	135.414	0.017	0.6	0.0263	0.0000	OK
1440 minute winter	S3	750	135.235	0.017	0.6	0.0299	0.0000	OK
1440 minute winter	S4	750	135.167	0.019	0.8	0.0228	0.0000	OK
1440 minute winter	S5	750	135.096	0.023	1.1	0.0285	0.0000	OK
1440 minute winter	S6	750	135.058	0.025	1.2	0.0462	0.0000	OK
1440 minute winter	S7	750	135.017	0.015	1.3	0.0180	0.0000	OK
1440 minute winter	C1	750	134.643	0.023	1.3	0.0258	0.0000	OK
1440 minute winter	OUTFALL	750	134.582	0.022	1.3	0.0000	0.0000	OK
1440 minute winter	AT	30	135.100	0.000	0.0	0.0000	0.0000	OK
1440 minute winter	S9	750	135.359	0.009	0.2	0.0125	0.0000	OK
1440 minute winter	S8	600	135.308	0.008	0.1	0.0101	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	S1	1.001	S2	0.2	0.333	0.011	0.0047	
1440 minute winter	S2	1.002	S3	0.6	0.454	0.011	0.0213	
1440 minute winter	S3	1.003	S4	0.6	0.413	0.011	0.0092	
1440 minute winter	S4	1.004	S5	0.8	0.432	0.015	0.0125	
1440 minute winter	S5	1.005	S6	1.1	0.487	0.020	0.0081	
1440 minute winter	S6	1.006	S7	1.2	0.706	0.022	0.0049	
1440 minute winter	S7	1.007	C1	1.3	0.832	0.008	0.0067	
1440 minute winter	C1	1.015	OUTFALL	1.3	0.645	0.019	0.0073	31.0
1440 minute winter	AT	1.008	S6	0.0	0.000	0.000	0.0017	
1440 minute winter	S9	2.000	S5	0.2	0.453	0.007	0.0044	
1440 minute winter	S8	3.000	S4	0.1	0.269	0.006	0.0024	

Results for 30 year +40% CC 15 minute summer. 255 minute analysis at 1 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	S1	8	135.649	0.099	12.8	0.1358	0.0000	OK
15 minute summer	S2	8	135.553	0.156	39.6	0.2439	0.0000	OK
15 minute summer	S3	9	135.465	0.247	38.8	0.4422	0.0000	SURCHARGED
15 minute summer	S4	9	135.420	0.272	42.7	0.3260	0.0000	SURCHARGED
15 minute summer	S5	9	135.343	0.270	55.3	0.3333	0.0000	SURCHARGED
15 minute summer	S6	9	135.248	0.215	59.4	0.3958	0.0000	OK
15 minute summer	S7	9	135.131	0.128	63.9	0.1574	0.0000	OK
15 minute summer	C1	9	134.873	0.253	64.1	0.2858	0.0000	SURCHARGED
15 minute summer	OUTFALL	9	134.733	0.173	64.0	0.0000	0.0000	OK
15 minute summer	AT	9	135.248	0.148	1.1	0.0235	0.0000	OK
15 minute summer	S9	8	135.417	0.067	12.0	0.0912	0.0000	OK
15 minute summer	S8	9	135.426	0.126	6.4	0.1553	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	S1	1.001	S2	11.7	1.008	0.659	0.0906	
15 minute summer	S2	1.002	S3	37.2	1.179	0.678	0.5075	
15 minute summer	S3	1.003	S4	33.6	0.905	0.613	0.2516	
15 minute summer	S4	1.004	S5	43.0	1.081	0.784	0.2668	
15 minute summer	S5	1.005	S6	56.1	1.410	1.023	0.1422	
15 minute summer	S6	1.006	S7	59.8	1.864	1.092	0.0884	
15 minute summer	S7	1.007	C1	64.1	1.937	0.408	0.1340	
15 minute summer	C1	1.015	OUTFALL	64.0	1.662	0.952	0.1309	20.9
15 minute summer	AT	1.008	S6	-1.1	0.070	-0.010	0.0472	
15 minute summer	S9	2.000	S5	11.5	0.787	0.415	0.1264	
15 minute summer	S8	3.000	S4	5.9	0.746	0.331	0.1056	

Results for 30 year +40% CC 15 minute winter. 255 minute analysis at 1 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	S1	8	135.631	0.081	9.0	0.1104	0.0000	OK
15 minute winter	S2	8	135.520	0.123	28.3	0.1934	0.0000	OK
15 minute winter	S3	9	135.365	0.147	28.7	0.2622	0.0000	OK
15 minute winter	S4	9	135.331	0.183	35.3	0.2197	0.0000	OK
15 minute winter	S5	9	135.291	0.218	46.5	0.2697	0.0000	OK
15 minute winter	S6	9	135.218	0.185	50.0	0.3404	0.0000	OK
15 minute winter	S7	9	135.110	0.108	54.1	0.1324	0.0000	OK
15 minute winter	C1	9	134.815	0.195	54.2	0.2204	0.0000	OK
15 minute winter	OUTFALL	9	134.712	0.152	54.3	0.0000	0.0000	OK
15 minute winter	AT	9	135.218	0.118	0.7	0.0187	0.0000	OK
15 minute winter	S9	8	135.406	0.056	8.4	0.0759	0.0000	OK
15 minute winter	S8	8	135.354	0.054	4.5	0.0659	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	S1	1.001	S2	8.7	0.950	0.489	0.0714	
15 minute winter	S2	1.002	S3	27.6	1.123	0.503	0.3956	
15 minute winter	S3	1.003	S4	27.5	0.917	0.502	0.1961	
15 minute winter	S4	1.004	S5	35.2	0.942	0.642	0.2483	
15 minute winter	S5	1.005	S6	47.0	1.253	0.857	0.1339	
15 minute winter	S6	1.006	S7	50.2	1.837	0.916	0.0760	
15 minute winter	S7	1.007	C1	54.2	1.909	0.345	0.1175	
15 minute winter	C1	1.015	OUTFALL	54.3	1.655	0.808	0.1173	21.0
15 minute winter	AT	1.008	S6	-0.7	-0.053	-0.006	0.0395	
15 minute winter	S9	2.000	S5	8.3	0.751	0.297	0.1180	
15 minute winter	S8	3.000	S4	4.5	0.713	0.255	0.0523	

Results for 30 year +40% CC 30 minute summer. 270 minute analysis at 1 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	S1	16	135.630	0.080	8.7	0.1098	0.0000	OK
30 minute summer	S2	16	135.520	0.123	27.8	0.1932	0.0000	OK
30 minute summer	S3	16	135.369	0.150	28.9	0.2693	0.0000	OK
30 minute summer	S4	16	135.335	0.187	36.1	0.2236	0.0000	OK
30 minute summer	S5	16	135.295	0.222	48.0	0.2742	0.0000	OK
30 minute summer	S6	16	135.219	0.186	50.8	0.3422	0.0000	OK
30 minute summer	S7	16	135.111	0.109	54.8	0.1335	0.0000	OK
30 minute summer	C1	16	134.815	0.195	54.6	0.2207	0.0000	OK
30 minute summer	OUTFALL	16	134.712	0.152	54.2	0.0000	0.0000	OK
30 minute summer	AT	16	135.219	0.119	0.6	0.0189	0.0000	OK
30 minute summer	S9	16	135.406	0.056	8.2	0.0756	0.0000	OK
30 minute summer	S8	15	135.354	0.054	4.4	0.0663	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	S1	1.001	S2	8.7	0.955	0.490	0.0712	
30 minute summer	S2	1.002	S3	27.8	1.129	0.506	0.4068	
30 minute summer	S3	1.003	S4	28.4	0.927	0.518	0.2005	
30 minute summer	S4	1.004	S5	35.4	0.946	0.646	0.2510	
30 minute summer	S5	1.005	S6	47.6	1.257	0.868	0.1346	
30 minute summer	S6	1.006	S7	50.4	1.837	0.919	0.0765	
30 minute summer	S7	1.007	C1	54.6	1.913	0.348	0.1180	
30 minute summer	C1	1.015	OUTFALL	54.2	1.651	0.806	0.1173	28.7
30 minute summer	AT	1.008	S6	-0.6	-0.039	-0.005	0.0398	
30 minute summer	S9	2.000	S5	8.2	0.725	0.296	0.1179	
30 minute summer	S8	3.000	S4	4.4	0.717	0.249	0.0550	

Results for 30 year +40% CC 30 minute winter. 270 minute analysis at 1 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute winter	S1	16	135.615	0.065	6.1	0.0886	0.0000	OK
30 minute winter	S2	16	135.495	0.098	19.5	0.1531	0.0000	OK
30 minute winter	S3	16	135.332	0.114	20.3	0.2049	0.0000	OK
30 minute winter	S4	16	135.282	0.134	25.7	0.1607	0.0000	OK
30 minute winter	S5	16	135.237	0.164	34.4	0.2026	0.0000	OK
30 minute winter	S6	16	135.183	0.150	36.6	0.2760	0.0000	OK
30 minute winter	S7	16	135.088	0.086	39.6	0.1053	0.0000	OK
30 minute winter	C1	16	134.773	0.153	39.6	0.1732	0.0000	OK
30 minute winter	OUTFALL	16	134.683	0.123	39.5	0.0000	0.0000	OK
30 minute winter	AT	16	135.183	0.083	0.3	0.0131	0.0000	OK
30 minute winter	S9	16	135.396	0.046	5.7	0.0624	0.0000	OK
30 minute winter	S8	16	135.345	0.045	3.1	0.0552	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	S1	1.001	S2	6.1	0.876	0.344	0.0544	
30 minute winter	S2	1.002	S3	19.5	1.063	0.356	0.2965	
30 minute winter	S3	1.003	S4	20.3	0.903	0.370	0.1421	
30 minute winter	S4	1.004	S5	25.6	0.919	0.468	0.1866	
30 minute winter	S5	1.005	S6	34.3	1.162	0.626	0.1064	
30 minute winter	S6	1.006	S7	36.5	1.735	0.666	0.0594	
30 minute winter	S7	1.007	C1	39.6	1.846	0.252	0.0906	
30 minute winter	C1	1.015	OUTFALL	39.5	1.545	0.587	0.0919	28.8
30 minute winter	AT	1.008	S6	-0.3	-0.037	-0.002	0.0292	
30 minute winter	S9	2.000	S5	5.7	0.735	0.205	0.1035	
30 minute winter	S8	3.000	S4	3.1	0.723	0.175	0.0280	

Results for 30 year +40% CC 60 minute summer. 300 minute analysis at 1 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute summer	S1	31	135.615	0.065	6.1	0.0886	0.0000	OK
60 minute summer	S2	31	135.495	0.098	19.5	0.1531	0.0000	OK
60 minute summer	S3	31	135.332	0.114	20.3	0.2048	0.0000	OK
60 minute summer	S4	31	135.282	0.134	25.7	0.1606	0.0000	OK
60 minute summer	S5	31	135.237	0.164	34.5	0.2025	0.0000	OK
60 minute summer	S6	31	135.183	0.150	36.6	0.2758	0.0000	OK
60 minute summer	S7	31	135.088	0.086	39.5	0.1052	0.0000	OK
60 minute summer	C1	31	134.773	0.153	39.5	0.1729	0.0000	OK
60 minute summer	OUTFALL	31	134.683	0.123	39.3	0.0000	0.0000	OK
60 minute summer	AT	31	135.183	0.083	0.2	0.0131	0.0000	OK
60 minute summer	S9	31	135.397	0.047	5.8	0.0630	0.0000	OK
60 minute summer	S8	31	135.345	0.045	3.1	0.0552	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	S1	1.001	S2	6.1	0.876	0.344	0.0544	
60 minute summer	S2	1.002	S3	19.5	1.063	0.356	0.2965	
60 minute summer	S3	1.003	S4	20.3	0.903	0.370	0.1420	
60 minute summer	S4	1.004	S5	25.6	0.918	0.467	0.1865	
60 minute summer	S5	1.005	S6	34.3	1.163	0.627	0.1064	
60 minute summer	S6	1.006	S7	36.4	1.734	0.665	0.0593	
60 minute summer	S7	1.007	C1	39.5	1.846	0.251	0.0904	
60 minute summer	C1	1.015	OUTFALL	39.3	1.544	0.585	0.0917	37.9
60 minute summer	AT	1.008	S6	-0.2	-0.028	-0.002	0.0291	
60 minute summer	S9	2.000	S5	5.8	0.742	0.209	0.1038	
60 minute summer	S8	3.000	S4	3.1	0.720	0.175	0.0279	

Results for 30 year +40% CC 60 minute winter. 300 minute analysis at 1 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	S1	31	135.602	0.052	4.1	0.0708	0.0000	OK
60 minute winter	S2	31	135.474	0.077	13.0	0.1208	0.0000	OK
60 minute winter	S3	31	135.306	0.088	13.5	0.1573	0.0000	OK
60 minute winter	S4	31	135.249	0.101	17.0	0.1210	0.0000	OK
60 minute winter	S5	31	135.197	0.124	22.8	0.1538	0.0000	OK
60 minute winter	S6	31	135.151	0.117	24.3	0.2166	0.0000	OK
60 minute winter	S7	31	135.068	0.066	26.2	0.0806	0.0000	OK
60 minute winter	C1	32	134.737	0.117	26.2	0.1328	0.0000	OK
60 minute winter	OUTFALL	32	134.657	0.097	26.2	0.0000	0.0000	OK
60 minute winter	AT	31	135.151	0.050	0.1	0.0080	0.0000	OK
60 minute winter	S9	31	135.388	0.038	3.8	0.0508	0.0000	OK
60 minute winter	S8	31	135.336	0.036	2.0	0.0438	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	S1	1.001	S2	4.1	0.791	0.231	0.0405	
60 minute winter	S2	1.002	S3	13.0	0.988	0.237	0.2124	
60 minute winter	S3	1.003	S4	13.5	0.855	0.246	0.0999	
60 minute winter	S4	1.004	S5	17.0	0.855	0.310	0.1333	
60 minute winter	S5	1.005	S6	22.8	1.048	0.415	0.0784	
60 minute winter	S6	1.006	S7	24.2	1.597	0.442	0.0433	
60 minute winter	S7	1.007	C1	26.2	1.730	0.167	0.0649	
60 minute winter	C1	1.015	OUTFALL	26.2	1.408	0.390	0.0673	38.1
60 minute winter	AT	1.008	S6	-0.1	-0.025	-0.001	0.0195	
60 minute winter	S9	2.000	S5	3.8	0.727	0.137	0.0720	
60 minute winter	S8	3.000	S4	2.0	0.648	0.113	0.0195	

Results for 30 year +40% CC 120 minute summer. 360 minute analysis at 2 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute summer	S1	62	135.600	0.050	3.9	0.0689	0.0000	OK
120 minute summer	S2	62	135.472	0.075	12.5	0.1182	0.0000	OK
120 minute summer	S3	62	135.304	0.086	13.0	0.1537	0.0000	OK
120 minute summer	S4	62	135.247	0.099	16.5	0.1187	0.0000	OK
120 minute summer	S5	62	135.196	0.123	22.2	0.1514	0.0000	OK
120 minute summer	S6	62	135.149	0.116	23.7	0.2138	0.0000	OK
120 minute summer	S7	62	135.067	0.065	25.7	0.0796	0.0000	OK
120 minute summer	C1	62	134.736	0.116	25.7	0.1310	0.0000	OK
120 minute summer	OUTFALL	62	134.656	0.096	25.7	0.0000	0.0000	OK
120 minute summer	AT	62	135.149	0.049	0.1	0.0078	0.0000	OK
120 minute summer	S9	62	135.387	0.037	3.7	0.0501	0.0000	OK
120 minute summer	S8	62	135.336	0.036	2.0	0.0438	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	S1	1.001	S2	3.9	0.781	0.220	0.0390	
120 minute summer	S2	1.002	S3	12.5	0.980	0.228	0.2060	
120 minute summer	S3	1.003	S4	13.0	0.847	0.237	0.0972	
120 minute summer	S4	1.004	S5	16.5	0.848	0.301	0.1305	
120 minute summer	S5	1.005	S6	22.2	1.040	0.405	0.0770	
120 minute summer	S6	1.006	S7	23.7	1.589	0.432	0.0425	
120 minute summer	S7	1.007	C1	25.7	1.724	0.164	0.0638	
120 minute summer	C1	1.015	OUTFALL	25.7	1.401	0.382	0.0662	48.5
120 minute summer	AT	1.008	S6	-0.1	-0.013	-0.001	0.0191	
120 minute summer	S9	2.000	S5	3.7	0.731	0.133	0.0702	
120 minute summer	S8	3.000	S4	2.0	0.648	0.113	0.0195	

Results for 30 year +40% CC 120 minute winter. 360 minute analysis at 2 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute winter	S1	62	135.591	0.040	2.6	0.0554	0.0000	OK
120 minute winter	S2	62	135.457	0.060	8.3	0.0948	0.0000	OK
120 minute winter	S3	62	135.285	0.067	8.6	0.1192	0.0000	OK
120 minute winter	S4	62	135.225	0.077	10.9	0.0922	0.0000	OK
120 minute winter	S5	62	135.168	0.095	14.6	0.1170	0.0000	OK
120 minute winter	S6	62	135.125	0.092	15.6	0.1696	0.0000	OK
120 minute winter	S7	62	135.053	0.051	16.9	0.0620	0.0000	OK
120 minute winter	C1	62	134.710	0.090	16.9	0.1018	0.0000	OK
120 minute winter	OUTFALL	62	134.637	0.076	16.9	0.0000	0.0000	OK
120 minute winter	AT	62	135.125	0.025	0.0	0.0040	0.0000	OK
120 minute winter	S9	62	135.380	0.030	2.4	0.0404	0.0000	OK
120 minute winter	S8	62	135.329	0.028	1.3	0.0351	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	S1	1.001	S2	2.6	0.701	0.146	0.0290	
120 minute winter	S2	1.002	S3	8.3	0.904	0.151	0.1481	
120 minute winter	S3	1.003	S4	8.6	0.791	0.157	0.0689	
120 minute winter	S4	1.004	S5	10.9	0.785	0.199	0.0933	
120 minute winter	S5	1.005	S6	14.6	0.939	0.266	0.0561	
120 minute winter	S6	1.006	S7	15.6	1.446	0.285	0.0310	
120 minute winter	S7	1.007	C1	16.9	1.597	0.108	0.0456	
120 minute winter	C1	1.015	OUTFALL	16.9	1.267	0.251	0.0481	48.3
120 minute winter	AT	1.008	S6	0.0	-0.008	0.000	0.0125	
120 minute winter	S9	2.000	S5	2.4	0.726	0.087	0.0450	
120 minute winter	S8	3.000	S4	1.3	0.575	0.073	0.0143	

Results for 30 year +40% CC 180 minute summer. 420 minute analysis at 4 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute summer	S1	92	135.594	0.044	3.1	0.0605	0.0000	OK
180 minute summer	S2	92	135.463	0.066	9.8	0.1031	0.0000	OK
180 minute summer	S3	92	135.291	0.073	10.1	0.1304	0.0000	OK
180 minute summer	S4	92	135.232	0.083	12.6	0.1001	0.0000	OK
180 minute summer	S5	92	135.176	0.103	16.9	0.1271	0.0000	OK
180 minute summer	S6	92	135.132	0.099	17.8	0.1819	0.0000	OK
180 minute summer	S7	92	135.057	0.055	19.2	0.0669	0.0000	OK
180 minute summer	C1	92	134.717	0.097	19.2	0.1096	0.0000	OK
180 minute summer	OUTFALL	92	134.642	0.082	19.1	0.0000	0.0000	OK
180 minute summer	AT	92	135.132	0.032	0.0	0.0050	0.0000	OK
180 minute summer	S9	92	135.383	0.033	2.9	0.0442	0.0000	OK
180 minute summer	S8	92	135.331	0.030	1.5	0.0375	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	S1	1.001	S2	3.1	0.732	0.172	0.0327	
180 minute summer	S2	1.002	S3	9.7	0.935	0.177	0.1673	
180 minute summer	S3	1.003	S4	10.0	0.815	0.182	0.0775	
180 minute summer	S4	1.004	S5	12.5	0.805	0.228	0.1041	
180 minute summer	S5	1.005	S6	16.7	0.974	0.306	0.0620	
180 minute summer	S6	1.006	S7	17.7	1.488	0.323	0.0342	
180 minute summer	S7	1.007	C1	19.2	1.637	0.122	0.0504	
180 minute summer	C1	1.015	OUTFALL	19.1	1.305	0.284	0.0529	54.7
180 minute summer	AT	1.008	S6	0.0	-0.009	0.000	0.0142	
180 minute summer	S9	2.000	S5	2.9	0.700	0.104	0.0528	
180 minute summer	S8	3.000	S4	1.5	0.596	0.084	0.0157	

Results for 30 year +40% CC 180 minute winter. 420 minute analysis at 4 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute winter	S1	92	135.585	0.035	2.0	0.0482	0.0000	OK
180 minute winter	S2	92	135.450	0.053	6.4	0.0827	0.0000	OK
180 minute winter	S3	92	135.275	0.057	6.6	0.1017	0.0000	OK
180 minute winter	S4	92	135.213	0.065	8.3	0.0778	0.0000	OK
180 minute winter	S5	92	135.153	0.080	11.1	0.0994	0.0000	OK
180 minute winter	S6	92	135.112	0.079	11.8	0.1459	0.0000	OK
180 minute winter	S7	92	135.045	0.043	12.8	0.0530	0.0000	OK
180 minute winter	C1	92	134.697	0.077	12.8	0.0866	0.0000	OK
180 minute winter	OUTFALL	92	134.626	0.066	12.8	0.0000	0.0000	OK
180 minute winter	AT	92	135.112	0.012	0.0	0.0019	0.0000	OK
180 minute winter	S9	92	135.377	0.027	1.9	0.0360	0.0000	OK
180 minute winter	S8	92	135.325	0.025	1.0	0.0307	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	S1	1.001	S2	2.0	0.651	0.112	0.0239	
180 minute winter	S2	1.002	S3	6.4	0.855	0.116	0.1203	
180 minute winter	S3	1.003	S4	6.6	0.757	0.120	0.0548	
180 minute winter	S4	1.004	S5	8.2	0.744	0.150	0.0745	
180 minute winter	S5	1.005	S6	11.1	0.883	0.203	0.0454	
180 minute winter	S6	1.006	S7	11.8	1.352	0.215	0.0251	
180 minute winter	S7	1.007	C1	12.8	1.511	0.081	0.0365	
180 minute winter	C1	1.015	OUTFALL	12.8	1.184	0.190	0.0390	55.0
180 minute winter	AT	1.008	S6	0.0	-0.004	0.000	0.0094	
180 minute winter	S9	2.000	S5	1.9	0.731	0.068	0.0330	
180 minute winter	S8	3.000	S4	1.0	0.533	0.056	0.0118	

Results for 30 year +40% CC 240 minute summer. 480 minute analysis at 4 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute summer	S1	124	135.589	0.039	2.4	0.0531	0.0000	OK
240 minute summer	S2	124	135.456	0.058	7.8	0.0917	0.0000	OK
240 minute summer	S3	124	135.282	0.064	8.1	0.1150	0.0000	OK
240 minute summer	S4	124	135.222	0.074	10.2	0.0887	0.0000	OK
240 minute summer	S5	124	135.164	0.091	13.7	0.1126	0.0000	OK
240 minute summer	S6	124	135.122	0.089	14.6	0.1636	0.0000	OK
240 minute summer	S7	124	135.051	0.049	15.8	0.0597	0.0000	OK
240 minute summer	C1	124	134.707	0.087	15.8	0.0979	0.0000	OK
240 minute summer	OUTFALL	124	134.634	0.074	15.8	0.0000	0.0000	OK
240 minute summer	AT	124	135.122	0.022	0.0	0.0035	0.0000	OK
240 minute summer	S9	124	135.379	0.029	2.3	0.0396	0.0000	OK
240 minute summer	S8	124	135.327	0.027	1.2	0.0337	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	S1	1.001	S2	2.4	0.685	0.135	0.0274	
240 minute summer	S2	1.002	S3	7.8	0.891	0.142	0.1412	
240 minute summer	S3	1.003	S4	8.1	0.785	0.148	0.0654	
240 minute summer	S4	1.004	S5	10.2	0.774	0.186	0.0885	
240 minute summer	S5	1.005	S6	13.7	0.926	0.250	0.0533	
240 minute summer	S6	1.006	S7	14.6	1.425	0.266	0.0295	
240 minute summer	S7	1.007	C1	15.8	1.577	0.101	0.0432	
240 minute summer	C1	1.015	OUTFALL	15.8	1.247	0.235	0.0457	60.2
240 minute summer	AT	1.008	S6	0.0	-0.006	0.000	0.0117	
240 minute summer	S9	2.000	S5	2.3	0.710	0.083	0.0421	
240 minute summer	S8	3.000	S4	1.2	0.562	0.068	0.0135	

Results for 30 year +40% CC 240 minute winter. 480 minute analysis at 4 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute winter	S1	120	135.581	0.031	1.6	0.0430	0.0000	OK
240 minute winter	S2	124	135.444	0.047	5.2	0.0744	0.0000	OK
240 minute winter	S3	124	135.269	0.051	5.4	0.0912	0.0000	OK
240 minute winter	S4	124	135.206	0.058	6.8	0.0695	0.0000	OK
240 minute winter	S5	124	135.145	0.072	9.1	0.0886	0.0000	OK
240 minute winter	S6	124	135.104	0.071	9.7	0.1316	0.0000	OK
240 minute winter	S7	124	135.041	0.039	10.5	0.0482	0.0000	OK
240 minute winter	C1	124	134.689	0.068	10.5	0.0774	0.0000	OK
240 minute winter	OUTFALL	124	134.620	0.060	10.5	0.0000	0.0000	OK
240 minute winter	AT	124	135.104	0.004	0.0	0.0007	0.0000	OK
240 minute winter	S9	120	135.374	0.024	1.5	0.0321	0.0000	OK
240 minute winter	S8	120	135.322	0.022	0.8	0.0275	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	S1	1.001	S2	1.6	0.613	0.090	0.0204	
240 minute winter	S2	1.002	S3	5.2	0.813	0.095	0.1033	
240 minute winter	S3	1.003	S4	5.4	0.731	0.099	0.0468	
240 minute winter	S4	1.004	S5	6.8	0.720	0.124	0.0635	
240 minute winter	S5	1.005	S6	9.1	0.840	0.166	0.0391	
240 minute winter	S6	1.006	S7	9.7	1.282	0.177	0.0218	
240 minute winter	S7	1.007	C1	10.5	1.441	0.067	0.0315	
240 minute winter	C1	1.015	OUTFALL	10.5	1.128	0.156	0.0336	60.0
240 minute winter	AT	1.008	S6	0.0	-0.004	0.000	0.0078	
240 minute winter	S9	2.000	S5	1.5	0.734	0.054	0.0256	
240 minute winter	S8	3.000	S4	0.8	0.501	0.045	0.0101	

Results for 30 year +40% CC 360 minute summer. 600 minute analysis at 8 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute summer	S1	184	135.584	0.034	1.9	0.0468	0.0000	OK
360 minute summer	S2	184	135.448	0.051	6.0	0.0799	0.0000	OK
360 minute summer	S3	184	135.273	0.055	6.2	0.0980	0.0000	OK
360 minute summer	S4	184	135.210	0.062	7.7	0.0748	0.0000	OK
360 minute summer	S5	184	135.150	0.077	10.4	0.0955	0.0000	OK
360 minute summer	S6	184	135.109	0.076	11.1	0.1408	0.0000	OK
360 minute summer	S7	184	135.044	0.042	11.9	0.0512	0.0000	OK
360 minute summer	C1	184	134.694	0.073	11.9	0.0831	0.0000	OK
360 minute summer	OUTFALL	184	134.624	0.064	11.9	0.0000	0.0000	OK
360 minute summer	AT	184	135.109	0.009	0.0	0.0015	0.0000	OK
360 minute summer	S9	184	135.376	0.026	1.8	0.0350	0.0000	OK
360 minute summer	S8	184	135.324	0.024	0.9	0.0291	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	S1	1.001	S2	1.9	0.641	0.106	0.0230	
360 minute summer	S2	1.002	S3	6.0	0.842	0.109	0.1143	
360 minute summer	S3	1.003	S4	6.1	0.748	0.112	0.0519	
360 minute summer	S4	1.004	S5	7.7	0.735	0.140	0.0704	
360 minute summer	S5	1.005	S6	10.4	0.867	0.189	0.0431	
360 minute summer	S6	1.006	S7	11.0	1.328	0.201	0.0239	
360 minute summer	S7	1.007	C1	11.9	1.486	0.076	0.0346	
360 minute summer	C1	1.015	OUTFALL	11.9	1.162	0.177	0.0369	67.7
360 minute summer	AT	1.008	S6	0.0	-0.003	0.000	0.0088	
360 minute summer	S9	2.000	S5	1.8	0.705	0.065	0.0304	
360 minute summer	S8	3.000	S4	0.9	0.517	0.050	0.0109	

Results for 30 year +40% CC 360 minute winter. 600 minute analysis at 8 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute winter	S1	184	135.577	0.027	1.2	0.0372	0.0000	OK
360 minute winter	S2	184	135.438	0.041	3.9	0.0643	0.0000	OK
360 minute winter	S3	184	135.262	0.044	4.1	0.0784	0.0000	OK
360 minute winter	S4	184	135.198	0.050	5.2	0.0595	0.0000	OK
360 minute winter	S5	184	135.135	0.062	7.0	0.0761	0.0000	OK
360 minute winter	S6	184	135.095	0.062	7.5	0.1147	0.0000	OK
360 minute winter	S7	184	135.037	0.035	8.1	0.0424	0.0000	OK
360 minute winter	C1	184	134.679	0.059	8.1	0.0667	0.0000	OK
360 minute winter	OUTFALL	184	134.612	0.052	8.0	0.0000	0.0000	OK
360 minute winter	AT	8	135.100	0.000	0.0	0.0000	0.0000	OK
360 minute winter	S9	184	135.371	0.021	1.2	0.0288	0.0000	OK
360 minute winter	S8	176	135.319	0.019	0.6	0.0238	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	S1	1.001	S2	1.2	0.564	0.068	0.0166	
360 minute winter	S2	1.002	S3	3.9	0.754	0.071	0.0835	
360 minute winter	S3	1.003	S4	4.1	0.688	0.075	0.0376	
360 minute winter	S4	1.004	S5	5.2	0.681	0.095	0.0512	
360 minute winter	S5	1.005	S6	7.0	0.787	0.127	0.0319	
360 minute winter	S6	1.006	S7	7.5	1.193	0.136	0.0180	
360 minute winter	S7	1.007	C1	8.1	1.351	0.051	0.0257	
360 minute winter	C1	1.015	OUTFALL	8.0	1.055	0.120	0.0275	68.0
360 minute winter	AT	1.008	S6	0.0	0.000	0.000	0.0063	
360 minute winter	S9	2.000	S5	1.2	0.719	0.043	0.0181	
360 minute winter	S8	3.000	S4	0.6	0.460	0.034	0.0082	

Results for 30 year +40% CC 480 minute summer. 720 minute analysis at 8 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute summer	S1	248	135.580	0.030	1.5	0.0416	0.0000	OK
480 minute summer	S2	248	135.443	0.046	4.8	0.0714	0.0000	OK
480 minute summer	S3	248	135.267	0.049	5.0	0.0875	0.0000	OK
480 minute summer	S4	248	135.204	0.056	6.4	0.0671	0.0000	OK
480 minute summer	S5	248	135.142	0.069	8.6	0.0858	0.0000	OK
480 minute summer	S6	248	135.102	0.069	9.2	0.1280	0.0000	OK
480 minute summer	S7	248	135.040	0.038	10.0	0.0471	0.0000	OK
480 minute summer	C1	248	134.687	0.067	10.0	0.0753	0.0000	OK
480 minute summer	OUTFALL	248	134.618	0.058	10.0	0.0000	0.0000	OK
480 minute summer	AT	248	135.102	0.002	0.0	0.0004	0.0000	OK
480 minute summer	S9	248	135.373	0.023	1.4	0.0311	0.0000	OK
480 minute summer	S8	248	135.322	0.022	0.8	0.0275	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	S1	1.001	S2	1.5	0.602	0.084	0.0195	
480 minute summer	S2	1.002	S3	4.8	0.796	0.088	0.0973	
480 minute summer	S3	1.003	S4	5.0	0.714	0.091	0.0443	
480 minute summer	S4	1.004	S5	6.4	0.710	0.117	0.0606	
480 minute summer	S5	1.005	S6	8.6	0.828	0.157	0.0375	
480 minute summer	S6	1.006	S7	9.2	1.263	0.168	0.0210	
480 minute summer	S7	1.007	C1	10.0	1.424	0.064	0.0303	
480 minute summer	C1	1.015	OUTFALL	10.0	1.114	0.149	0.0324	75.8
480 minute summer	AT	1.008	S6	0.0	-0.003	0.000	0.0074	
480 minute summer	S9	2.000	S5	1.4	0.712	0.050	0.0237	
480 minute summer	S8	3.000	S4	0.8	0.501	0.045	0.0101	

Results for 30 year +40% CC 480 minute winter. 720 minute analysis at 8 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute winter	S1	240	135.575	0.025	1.0	0.0339	0.0000	OK
480 minute winter	S2	248	135.434	0.037	3.2	0.0584	0.0000	OK
480 minute winter	S3	248	135.257	0.039	3.3	0.0700	0.0000	OK
480 minute winter	S4	248	135.192	0.044	4.2	0.0529	0.0000	OK
480 minute winter	S5	248	135.128	0.054	5.6	0.0673	0.0000	OK
480 minute winter	S6	248	135.089	0.056	6.0	0.1025	0.0000	OK
480 minute winter	S7	248	135.033	0.031	6.5	0.0382	0.0000	OK
480 minute winter	C1	248	134.673	0.052	6.5	0.0594	0.0000	OK
480 minute winter	OUTFALL	248	134.607	0.047	6.5	0.0000	0.0000	OK
480 minute winter	AT	8	135.100	0.000	0.0	0.0000	0.0000	OK
480 minute winter	S9	264	135.369	0.019	0.9	0.0255	0.0000	OK
480 minute winter	S8	232	135.318	0.018	0.5	0.0218	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	S1	1.001	S2	1.0	0.536	0.056	0.0146	
480 minute winter	S2	1.002	S3	3.2	0.720	0.058	0.0717	
480 minute winter	S3	1.003	S4	3.3	0.655	0.060	0.0319	
480 minute winter	S4	1.004	S5	4.2	0.655	0.077	0.0432	
480 minute winter	S5	1.005	S6	5.6	0.747	0.102	0.0271	
480 minute winter	S6	1.006	S7	6.0	1.122	0.109	0.0154	
480 minute winter	S7	1.007	C1	6.5	1.281	0.041	0.0219	
480 minute winter	C1	1.015	OUTFALL	6.5	0.999	0.097	0.0235	74.6
480 minute winter	AT	1.008	S6	0.0	0.000	0.000	0.0054	
480 minute winter	S9	2.000	S5	0.9	0.713	0.032	0.0130	
480 minute winter	S8	3.000	S4	0.5	0.436	0.028	0.0072	

Results for 30 year +40% CC 600 minute summer. 840 minute analysis at 15 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute summer	S1	315	135.577	0.027	1.2	0.0372	0.0000	OK
600 minute summer	S2	315	135.438	0.041	3.9	0.0643	0.0000	OK
600 minute summer	S3	315	135.262	0.044	4.1	0.0785	0.0000	OK
600 minute summer	S4	315	135.198	0.050	5.2	0.0596	0.0000	OK
600 minute summer	S5	315	135.135	0.062	7.0	0.0763	0.0000	OK
600 minute summer	S6	315	135.095	0.062	7.5	0.1150	0.0000	OK
600 minute summer	S7	315	135.037	0.035	8.1	0.0425	0.0000	OK
600 minute summer	C1	315	134.679	0.059	8.1	0.0670	0.0000	OK
600 minute summer	OUTFALL	315	134.613	0.053	8.1	0.0000	0.0000	OK
600 minute summer	AT	15	135.100	0.000	0.0	0.0000	0.0000	OK
600 minute summer	S9	315	135.371	0.021	1.2	0.0288	0.0000	OK
600 minute summer	S8	315	135.319	0.019	0.6	0.0238	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	S1	1.001	S2	1.2	0.564	0.068	0.0166	
600 minute summer	S2	1.002	S3	3.9	0.753	0.071	0.0836	
600 minute summer	S3	1.003	S4	4.1	0.688	0.075	0.0377	
600 minute summer	S4	1.004	S5	5.2	0.681	0.095	0.0514	
600 minute summer	S5	1.005	S6	7.0	0.788	0.128	0.0321	
600 minute summer	S6	1.006	S7	7.5	1.195	0.137	0.0181	
600 minute summer	S7	1.007	C1	8.1	1.353	0.052	0.0259	
600 minute summer	C1	1.015	OUTFALL	8.1	1.057	0.120	0.0277	79.0
600 minute summer	AT	1.008	S6	0.0	0.000	0.000	0.0063	
600 minute summer	S9	2.000	S5	1.2	0.701	0.043	0.0182	
600 minute summer	S8	3.000	S4	0.6	0.460	0.034	0.0082	

Results for 30 year +40% CC 600 minute winter. 840 minute analysis at 15 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute winter	S1	300	135.572	0.022	0.8	0.0304	0.0000	OK
600 minute winter	S2	300	135.431	0.034	2.6	0.0527	0.0000	OK
600 minute winter	S3	300	135.253	0.035	2.7	0.0630	0.0000	OK
600 minute winter	S4	300	135.187	0.039	3.4	0.0472	0.0000	OK
600 minute winter	S5	300	135.122	0.049	4.6	0.0603	0.0000	OK
600 minute winter	S6	300	135.083	0.050	4.9	0.0924	0.0000	OK
600 minute winter	S7	300	135.030	0.028	5.3	0.0347	0.0000	OK
600 minute winter	C1	300	134.667	0.047	5.3	0.0532	0.0000	OK
600 minute winter	OUTFALL	300	134.603	0.043	5.3	0.0000	0.0000	OK
600 minute winter	AT	15	135.100	0.000	0.0	0.0000	0.0000	OK
600 minute winter	S9	300	135.368	0.018	0.8	0.0241	0.0000	OK
600 minute winter	S8	285	135.316	0.016	0.4	0.0196	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	S1	1.001	S2	0.8	0.503	0.045	0.0124	
600 minute winter	S2	1.002	S3	2.6	0.681	0.047	0.0616	
600 minute winter	S3	1.003	S4	2.7	0.628	0.049	0.0272	
600 minute winter	S4	1.004	S5	3.4	0.621	0.062	0.0368	
600 minute winter	S5	1.005	S6	4.6	0.714	0.084	0.0232	
600 minute winter	S6	1.006	S7	4.9	1.061	0.089	0.0134	
600 minute winter	S7	1.007	C1	5.3	1.217	0.034	0.0188	
600 minute winter	C1	1.015	OUTFALL	5.3	0.948	0.079	0.0202	79.2
600 minute winter	AT	1.008	S6	0.0	0.000	0.000	0.0046	
600 minute winter	S9	2.000	S5	0.8	0.688	0.029	0.0116	
600 minute winter	S8	3.000	S4	0.4	0.408	0.023	0.0062	

Results for 30 year +40% CC 720 minute summer. 960 minute analysis at 15 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute summer	S1	375	135.576	0.026	1.1	0.0356	0.0000	OK
720 minute summer	S2	375	135.436	0.039	3.5	0.0611	0.0000	OK
720 minute summer	S3	375	135.259	0.041	3.6	0.0733	0.0000	OK
720 minute summer	S4	375	135.194	0.046	4.6	0.0556	0.0000	OK
720 minute summer	S5	375	135.131	0.058	6.2	0.0712	0.0000	OK
720 minute summer	S6	375	135.091	0.058	6.6	0.1076	0.0000	OK
720 minute summer	S7	375	135.035	0.033	7.2	0.0401	0.0000	OK
720 minute summer	C1	375	134.676	0.056	7.2	0.0628	0.0000	OK
720 minute summer	OUTFALL	375	134.610	0.050	7.2	0.0000	0.0000	OK
720 minute summer	AT	15	135.100	0.000	0.0	0.0000	0.0000	OK
720 minute summer	S9	375	135.370	0.020	1.0	0.0264	0.0000	OK
720 minute summer	S8	375	135.319	0.019	0.6	0.0238	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	S1	1.001	S2	1.1	0.551	0.062	0.0156	
720 minute summer	S2	1.002	S3	3.5	0.738	0.064	0.0765	
720 minute summer	S3	1.003	S4	3.6	0.667	0.066	0.0342	
720 minute summer	S4	1.004	S5	4.6	0.664	0.084	0.0466	
720 minute summer	S5	1.005	S6	6.2	0.767	0.113	0.0291	
720 minute summer	S6	1.006	S7	6.6	1.151	0.120	0.0166	
720 minute summer	S7	1.007	C1	7.2	1.315	0.046	0.0237	
720 minute summer	C1	1.015	OUTFALL	7.2	1.025	0.107	0.0253	84.1
720 minute summer	AT	1.008	S6	0.0	0.000	0.000	0.0058	
720 minute summer	S9	2.000	S5	1.0	0.714	0.036	0.0150	
720 minute summer	S8	3.000	S4	0.6	0.460	0.034	0.0082	

Results for 30 year +40% CC 720 minute winter. 960 minute analysis at 15 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute winter	S1	345	135.571	0.021	0.7	0.0284	0.0000	OK
720 minute winter	S2	360	135.429	0.032	2.3	0.0496	0.0000	OK
720 minute winter	S3	360	135.251	0.033	2.4	0.0593	0.0000	OK
720 minute winter	S4	360	135.186	0.037	3.1	0.0449	0.0000	OK
720 minute winter	S5	360	135.119	0.046	4.2	0.0574	0.0000	OK
720 minute winter	S6	360	135.081	0.048	4.5	0.0885	0.0000	OK
720 minute winter	S7	360	135.029	0.027	4.9	0.0334	0.0000	OK
720 minute winter	C1	360	134.665	0.045	4.9	0.0510	0.0000	OK
720 minute winter	OUTFALL	360	134.601	0.041	4.9	0.0000	0.0000	OK
720 minute winter	AT	15	135.100	0.000	0.0	0.0000	0.0000	OK
720 minute winter	S9	360	135.367	0.017	0.7	0.0226	0.0000	OK
720 minute winter	S8	360	135.316	0.016	0.4	0.0196	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	S1	1.001	S2	0.7	0.484	0.039	0.0113	
720 minute winter	S2	1.002	S3	2.3	0.657	0.042	0.0564	
720 minute winter	S3	1.003	S4	2.4	0.605	0.044	0.0251	
720 minute winter	S4	1.004	S5	3.1	0.608	0.057	0.0343	
720 minute winter	S5	1.005	S6	4.2	0.696	0.077	0.0218	
720 minute winter	S6	1.006	S7	4.5	1.034	0.082	0.0126	
720 minute winter	S7	1.007	C1	4.9	1.193	0.031	0.0177	
720 minute winter	C1	1.015	OUTFALL	4.9	0.928	0.073	0.0191	84.3
720 minute winter	AT	1.008	S6	0.0	0.000	0.000	0.0044	
720 minute winter	S9	2.000	S5	0.7	0.662	0.025	0.0106	
720 minute winter	S8	3.000	S4	0.4	0.408	0.023	0.0062	

Results for 30 year +40% CC 960 minute summer. 1200 minute analysis at 15 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute summer	S1	495	135.574	0.024	0.9	0.0322	0.0000	OK
960 minute summer	S2	495	135.433	0.035	2.9	0.0556	0.0000	OK
960 minute summer	S3	495	135.255	0.037	3.0	0.0666	0.0000	OK
960 minute summer	S4	495	135.190	0.042	3.8	0.0501	0.0000	OK
960 minute summer	S5	495	135.125	0.052	5.2	0.0645	0.0000	OK
960 minute summer	S6	495	135.086	0.053	5.5	0.0980	0.0000	OK
960 minute summer	S7	495	135.032	0.030	6.0	0.0368	0.0000	OK
960 minute summer	C1	495	134.670	0.050	6.0	0.0568	0.0000	OK
960 minute summer	OUTFALL	495	134.605	0.045	6.0	0.0000	0.0000	OK
960 minute summer	AT	15	135.100	0.000	0.0	0.0000	0.0000	OK
960 minute summer	S9	495	135.369	0.019	0.9	0.0255	0.0000	OK
960 minute summer	S8	495	135.318	0.018	0.5	0.0218	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	S1	1.001	S2	0.9	0.520	0.051	0.0135	
960 minute summer	S2	1.002	S3	2.9	0.701	0.053	0.0667	
960 minute summer	S3	1.003	S4	3.0	0.643	0.055	0.0296	
960 minute summer	S4	1.004	S5	3.8	0.634	0.069	0.0404	
960 minute summer	S5	1.005	S6	5.2	0.737	0.095	0.0254	
960 minute summer	S6	1.006	S7	5.5	1.093	0.100	0.0145	
960 minute summer	S7	1.007	C1	6.0	1.256	0.038	0.0206	
960 minute summer	C1	1.015	OUTFALL	6.0	0.978	0.089	0.0221	88.2
960 minute summer	AT	1.008	S6	0.0	0.000	0.000	0.0051	
960 minute summer	S9	2.000	S5	0.9	0.713	0.032	0.0126	
960 minute summer	S8	3.000	S4	0.5	0.436	0.028	0.0072	

Results for 30 year +40% CC 960 minute winter. 1200 minute analysis at 15 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute winter	S1	465	135.569	0.019	0.6	0.0264	0.0000	OK
960 minute winter	S2	480	135.426	0.029	1.9	0.0452	0.0000	OK
960 minute winter	S3	480	135.248	0.030	2.0	0.0541	0.0000	OK
960 minute winter	S4	480	135.182	0.033	2.5	0.0401	0.0000	OK
960 minute winter	S5	480	135.114	0.041	3.4	0.0512	0.0000	OK
960 minute winter	S6	480	135.076	0.043	3.6	0.0791	0.0000	OK
960 minute winter	S7	480	135.027	0.025	3.9	0.0300	0.0000	OK
960 minute winter	C1	480	134.660	0.040	3.9	0.0452	0.0000	OK
960 minute winter	OUTFALL	480	134.597	0.037	3.9	0.0000	0.0000	OK
960 minute winter	AT	15	135.100	0.000	0.0	0.0000	0.0000	OK
960 minute winter	S9	480	135.366	0.016	0.6	0.0210	0.0000	OK
960 minute winter	S8	435	135.314	0.014	0.3	0.0170	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	S1	1.001	S2	0.6	0.462	0.034	0.0101	
960 minute winter	S2	1.002	S3	1.9	0.622	0.035	0.0493	
960 minute winter	S3	1.003	S4	2.0	0.586	0.036	0.0216	
960 minute winter	S4	1.004	S5	2.5	0.579	0.046	0.0291	
960 minute winter	S5	1.005	S6	3.4	0.663	0.062	0.0185	
960 minute winter	S6	1.006	S7	3.6	0.971	0.066	0.0107	
960 minute winter	S7	1.007	C1	3.9	1.122	0.025	0.0150	
960 minute winter	C1	1.015	OUTFALL	3.9	0.873	0.058	0.0161	89.1
960 minute winter	AT	1.008	S6	0.0	0.000	0.000	0.0037	
960 minute winter	S9	2.000	S5	0.6	0.632	0.022	0.0095	
960 minute winter	S8	3.000	S4	0.3	0.376	0.017	0.0050	

Results for 30 year +40% CC 1440 minute summer. 1680 minute analysis at 30 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute summer	S1	750	135.571	0.021	0.7	0.0284	0.0000	OK
1440 minute summer	S2	750	135.428	0.031	2.2	0.0485	0.0000	OK
1440 minute summer	S3	750	135.250	0.032	2.3	0.0580	0.0000	OK
1440 minute summer	S4	750	135.184	0.036	2.9	0.0434	0.0000	OK
1440 minute summer	S5	750	135.117	0.044	3.8	0.0544	0.0000	OK
1440 minute summer	S6	750	135.079	0.046	4.1	0.0844	0.0000	OK
1440 minute summer	S7	750	135.028	0.026	4.4	0.0318	0.0000	OK
1440 minute summer	C1	750	134.663	0.043	4.4	0.0481	0.0000	OK
1440 minute summer	OUTFALL	750	134.599	0.039	4.4	0.0000	0.0000	OK
1440 minute summer	AT	30	135.100	0.000	0.0	0.0000	0.0000	OK
1440 minute summer	S9	750	135.366	0.016	0.6	0.0210	0.0000	OK
1440 minute summer	S8	720	135.314	0.014	0.3	0.0170	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	S1	1.001	S2	0.7	0.484	0.039	0.0113	
1440 minute summer	S2	1.002	S3	2.2	0.649	0.040	0.0547	
1440 minute summer	S3	1.003	S4	2.3	0.605	0.042	0.0241	
1440 minute summer	S4	1.004	S5	2.9	0.608	0.053	0.0321	
1440 minute summer	S5	1.005	S6	3.8	0.677	0.069	0.0202	
1440 minute summer	S6	1.006	S7	4.1	1.010	0.075	0.0117	
1440 minute summer	S7	1.007	C1	4.4	1.160	0.028	0.0164	
1440 minute summer	C1	1.015	OUTFALL	4.4	0.902	0.065	0.0176	95.8
1440 minute summer	AT	1.008	S6	0.0	0.000	0.000	0.0041	
1440 minute summer	S9	2.000	S5	0.6	0.632	0.022	0.0095	
1440 minute summer	S8	3.000	S4	0.3	0.376	0.017	0.0050	

Results for 30 year +40% CC 1440 minute winter. 1680 minute analysis at 30 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute winter	S1	750	135.568	0.018	0.5	0.0241	0.0000	OK
1440 minute winter	S2	750	135.423	0.026	1.5	0.0403	0.0000	OK
1440 minute winter	S3	750	135.245	0.027	1.6	0.0484	0.0000	OK
1440 minute winter	S4	750	135.178	0.030	2.0	0.0358	0.0000	OK
1440 minute winter	S5	750	135.109	0.036	2.6	0.0444	0.0000	OK
1440 minute winter	S6	750	135.071	0.038	2.8	0.0698	0.0000	OK
1440 minute winter	S7	750	135.024	0.022	3.0	0.0265	0.0000	OK
1440 minute winter	C1	750	134.655	0.035	3.0	0.0394	0.0000	OK
1440 minute winter	OUTFALL	750	134.592	0.032	3.0	0.0000	0.0000	OK
1440 minute winter	AT	30	135.100	0.000	0.0	0.0000	0.0000	OK
1440 minute winter	S9	660	135.363	0.013	0.4	0.0173	0.0000	OK
1440 minute winter	S8	600	135.311	0.011	0.2	0.0141	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	S1	1.001	S2	0.5	0.438	0.028	0.0089	
1440 minute winter	S2	1.002	S3	1.5	0.579	0.027	0.0418	
1440 minute winter	S3	1.003	S4	1.6	0.552	0.029	0.0183	
1440 minute winter	S4	1.004	S5	2.0	0.559	0.036	0.0241	
1440 minute winter	S5	1.005	S6	2.6	0.615	0.047	0.0152	
1440 minute winter	S6	1.006	S7	2.8	0.907	0.051	0.0089	
1440 minute winter	S7	1.007	C1	3.0	1.049	0.019	0.0123	
1440 minute winter	C1	1.015	OUTFALL	3.0	0.814	0.045	0.0133	97.6
1440 minute winter	AT	1.008	S6	0.0	0.000	0.000	0.0031	
1440 minute winter	S9	2.000	S5	0.4	0.561	0.014	0.0071	
1440 minute winter	S8	3.000	S4	0.2	0.332	0.011	0.0038	

Results for 100 year +40% CC 15 minute summer. 255 minute analysis at 1 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	S1	9	135.746	0.196	16.4	0.2677	0.0000	SURCHARGED
15 minute summer	S2	9	135.694	0.297	50.7	0.4660	0.0000	SURCHARGED
15 minute summer	S3	9	135.592	0.374	41.8	0.6701	0.0000	SURCHARGED
15 minute summer	S4	9	135.531	0.383	48.4	0.4597	0.0000	SURCHARGED
15 minute summer	S5	9	135.432	0.359	64.4	0.4432	0.0000	SURCHARGED
15 minute summer	S6	9	135.306	0.273	68.6	0.5037	0.0000	SURCHARGED
15 minute summer	S7	9	135.164	0.162	74.1	0.1988	0.0000	OK
15 minute summer	C1	9	134.943	0.323	74.2	0.3652	0.0000	SURCHARGED
15 minute summer	OUTFALL	9	134.772	0.212	74.3	0.0000	0.0000	OK
15 minute summer	AT	9	135.306	0.206	2.0	0.0328	0.0000	OK
15 minute summer	S9	9	135.463	0.113	15.4	0.1524	0.0000	OK
15 minute summer	S8	9	135.540	0.240	8.2	0.2956	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	S1	1.001	S2	14.8	0.953	0.835	0.1375	
15 minute summer	S2	1.002	S3	39.8	1.177	0.726	0.6413	
15 minute summer	S3	1.003	S4	38.8	0.975	0.707	0.2516	
15 minute summer	S4	1.004	S5	48.7	1.223	0.888	0.2668	
15 minute summer	S5	1.005	S6	64.6	1.625	1.179	0.1434	
15 minute summer	S6	1.006	S7	68.8	1.860	1.255	0.0996	
15 minute summer	S7	1.007	C1	74.2	1.953	0.473	0.1494	
15 minute summer	C1	1.015	OUTFALL	74.3	1.869	1.106	0.1416	26.8
15 minute summer	AT	1.008	S6	-2.0	0.061	-0.018	0.0551	
15 minute summer	S9	2.000	S5	13.3	0.838	0.478	0.1590	
15 minute summer	S8	3.000	S4	5.6	0.671	0.315	0.1113	

Results for 100 year +40% CC 15 minute winter. 255 minute analysis at 1 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	S1	8	135.645	0.095	11.5	0.1297	0.0000	OK
15 minute winter	S2	8	135.543	0.146	36.3	0.2284	0.0000	OK
15 minute winter	S3	9	135.476	0.258	37.4	0.4624	0.0000	SURCHARGED
15 minute winter	S4	9	135.430	0.282	42.9	0.3377	0.0000	SURCHARGED
15 minute winter	S5	9	135.352	0.279	57.4	0.3449	0.0000	SURCHARGED
15 minute winter	S6	9	135.254	0.221	61.1	0.4075	0.0000	OK
15 minute winter	S7	9	135.135	0.133	65.9	0.1631	0.0000	OK
15 minute winter	C1	9	134.882	0.262	65.8	0.2965	0.0000	SURCHARGED
15 minute winter	OUTFALL	9	134.737	0.177	65.3	0.0000	0.0000	OK
15 minute winter	AT	9	135.254	0.154	0.8	0.0245	0.0000	OK
15 minute winter	S9	8	135.414	0.064	10.8	0.0871	0.0000	OK
15 minute winter	S8	9	135.437	0.137	5.8	0.1683	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	S1	1.001	S2	11.1	1.004	0.626	0.0864	
15 minute winter	S2	1.002	S3	36.0	1.151	0.657	0.5260	
15 minute winter	S3	1.003	S4	33.9	0.930	0.618	0.2516	
15 minute winter	S4	1.004	S5	42.9	1.079	0.783	0.2668	
15 minute winter	S5	1.005	S6	57.4	1.444	1.048	0.1431	
15 minute winter	S6	1.006	S7	60.9	1.852	1.111	0.0905	
15 minute winter	S7	1.007	C1	65.8	1.910	0.419	0.1363	
15 minute winter	C1	1.015	OUTFALL	65.3	1.682	0.972	0.1319	27.1
15 minute winter	AT	1.008	S6	1.2	-0.048	0.010	0.0485	
15 minute winter	S9	2.000	S5	10.6	0.816	0.383	0.1241	
15 minute winter	S8	3.000	S4	5.7	0.724	0.319	0.1089	

Results for 100 year +40% CC 30 minute summer. 270 minute analysis at 1 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	S1	16	135.645	0.095	11.3	0.1303	0.0000	OK
30 minute summer	S2	16	135.543	0.146	36.1	0.2296	0.0000	OK
30 minute summer	S3	16	135.479	0.261	36.0	0.4666	0.0000	SURCHARGED
30 minute summer	S4	16	135.430	0.282	43.2	0.3380	0.0000	SURCHARGED
30 minute summer	S5	16	135.353	0.280	58.7	0.3463	0.0000	SURCHARGED
30 minute summer	S6	17	135.256	0.223	62.2	0.4106	0.0000	OK
30 minute summer	S7	17	135.136	0.134	66.2	0.1645	0.0000	OK
30 minute summer	C1	17	134.890	0.270	65.6	0.3051	0.0000	SURCHARGED
30 minute summer	OUTFALL	17	134.737	0.177	65.2	0.0000	0.0000	OK
30 minute summer	AT	17	135.256	0.156	0.6	0.0248	0.0000	OK
30 minute summer	S9	16	135.414	0.064	10.6	0.0870	0.0000	OK
30 minute summer	S8	16	135.436	0.136	5.7	0.1678	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	S1	1.001	S2	11.3	1.012	0.637	0.0872	
30 minute summer	S2	1.002	S3	34.6	1.146	0.631	0.5411	
30 minute summer	S3	1.003	S4	34.8	0.924	0.634	0.2516	
30 minute summer	S4	1.004	S5	43.2	1.086	0.788	0.2668	
30 minute summer	S5	1.005	S6	57.9	1.457	1.057	0.1433	
30 minute summer	S6	1.006	S7	61.2	1.862	1.116	0.0911	
30 minute summer	S7	1.007	C1	65.6	1.927	0.418	0.1368	
30 minute summer	C1	1.015	OUTFALL	65.2	1.684	0.970	0.1319	37.3
30 minute summer	AT	1.008	S6	1.0	0.045	0.009	0.0488	
30 minute summer	S9	2.000	S5	10.6	0.747	0.382	0.1240	
30 minute summer	S8	3.000	S4	5.4	0.707	0.305	0.1087	

Results for 100 year +40% CC 30 minute winter. 270 minute analysis at 1 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute winter	S1	16	135.626	0.076	8.0	0.1042	0.0000	OK
30 minute winter	S2	16	135.513	0.116	25.4	0.1814	0.0000	OK
30 minute winter	S3	16	135.357	0.139	26.4	0.2495	0.0000	OK
30 minute winter	S4	16	135.318	0.169	33.3	0.2032	0.0000	OK
30 minute winter	S5	16	135.278	0.205	44.7	0.2536	0.0000	OK
30 minute winter	S6	16	135.210	0.177	47.5	0.3270	0.0000	OK
30 minute winter	S7	16	135.106	0.104	51.3	0.1270	0.0000	OK
30 minute winter	C1	16	134.805	0.185	51.3	0.2096	0.0000	OK
30 minute winter	OUTFALL	16	134.706	0.145	51.1	0.0000	0.0000	OK
30 minute winter	AT	16	135.210	0.110	0.3	0.0175	0.0000	OK
30 minute winter	S9	16	135.403	0.053	7.5	0.0721	0.0000	OK
30 minute winter	S8	15	135.351	0.051	4.0	0.0629	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	S1	1.001	S2	8.0	0.936	0.451	0.0668	
30 minute winter	S2	1.002	S3	25.4	1.104	0.463	0.3740	
30 minute winter	S3	1.003	S4	26.3	0.915	0.480	0.1831	
30 minute winter	S4	1.004	S5	33.2	0.939	0.605	0.2351	
30 minute winter	S5	1.005	S6	44.5	1.237	0.812	0.1291	
30 minute winter	S6	1.006	S7	47.3	1.817	0.863	0.0727	
30 minute winter	S7	1.007	C1	51.3	1.903	0.326	0.1121	
30 minute winter	C1	1.015	OUTFALL	51.1	1.633	0.760	0.1120	37.5
30 minute winter	AT	1.008	S6	-0.3	-0.032	-0.003	0.0374	
30 minute winter	S9	2.000	S5	7.5	0.769	0.270	0.1160	
30 minute winter	S8	3.000	S4	4.0	0.724	0.228	0.0463	

Results for 100 year +40% CC 60 minute summer. 300 minute analysis at 1 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute summer	S1	31	135.626	0.076	8.0	0.1042	0.0000	OK
60 minute summer	S2	31	135.513	0.116	25.6	0.1824	0.0000	OK
60 minute summer	S3	31	135.358	0.140	26.6	0.2505	0.0000	OK
60 minute summer	S4	31	135.318	0.170	33.5	0.2036	0.0000	OK
60 minute summer	S5	31	135.278	0.205	44.8	0.2537	0.0000	OK
60 minute summer	S6	31	135.210	0.177	47.5	0.3268	0.0000	OK
60 minute summer	S7	31	135.106	0.104	51.3	0.1269	0.0000	OK
60 minute summer	C1	31	134.805	0.185	51.2	0.2093	0.0000	OK
60 minute summer	OUTFALL	31	134.705	0.145	51.0	0.0000	0.0000	OK
60 minute summer	AT	31	135.210	0.110	0.3	0.0175	0.0000	OK
60 minute summer	S9	31	135.403	0.053	7.5	0.0721	0.0000	OK
60 minute summer	S8	30	135.351	0.051	4.0	0.0633	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	S1	1.001	S2	8.0	0.936	0.451	0.0668	
60 minute summer	S2	1.002	S3	25.6	1.109	0.467	0.3761	
60 minute summer	S3	1.003	S4	26.5	0.919	0.483	0.1838	
60 minute summer	S4	1.004	S5	33.3	0.941	0.607	0.2354	
60 minute summer	S5	1.005	S6	44.5	1.238	0.813	0.1291	
60 minute summer	S6	1.006	S7	47.3	1.817	0.862	0.0727	
60 minute summer	S7	1.007	C1	51.2	1.903	0.326	0.1120	
60 minute summer	C1	1.015	OUTFALL	51.0	1.632	0.758	0.1118	49.6
60 minute summer	AT	1.008	S6	-0.3	-0.022	-0.003	0.0374	
60 minute summer	S9	2.000	S5	7.5	0.726	0.270	0.1160	
60 minute summer	S8	3.000	S4	4.1	0.714	0.229	0.0465	

Results for 100 year +40% CC 60 minute winter. 300 minute analysis at 1 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	S1	31	135.610	0.060	5.3	0.0818	0.0000	OK
60 minute winter	S2	31	135.487	0.090	17.0	0.1409	0.0000	OK
60 minute winter	S3	31	135.323	0.105	17.7	0.1872	0.0000	OK
60 minute winter	S4	31	135.269	0.121	22.4	0.1456	0.0000	OK
60 minute winter	S5	31	135.222	0.149	30.1	0.1844	0.0000	OK
60 minute winter	S6	31	135.171	0.138	32.1	0.2548	0.0000	OK
60 minute winter	S7	31	135.081	0.079	34.7	0.0964	0.0000	OK
60 minute winter	C1	31	134.760	0.140	34.7	0.1587	0.0000	OK
60 minute winter	OUTFALL	31	134.674	0.114	34.7	0.0000	0.0000	OK
60 minute winter	AT	31	135.171	0.071	0.1	0.0113	0.0000	OK
60 minute winter	S9	31	135.393	0.043	5.0	0.0584	0.0000	OK
60 minute winter	S8	31	135.342	0.042	2.7	0.0513	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	S1	1.001	S2	5.3	0.846	0.299	0.0490	
60 minute winter	S2	1.002	S3	17.0	1.037	0.310	0.2648	
60 minute winter	S3	1.003	S4	17.7	0.887	0.323	0.1261	
60 minute winter	S4	1.004	S5	22.4	0.898	0.408	0.1670	
60 minute winter	S5	1.005	S6	30.1	1.123	0.548	0.0965	
60 minute winter	S6	1.006	S7	32.0	1.692	0.584	0.0536	
60 minute winter	S7	1.007	C1	34.7	1.811	0.221	0.0815	
60 minute winter	C1	1.015	OUTFALL	34.7	1.502	0.516	0.0832	49.7
60 minute winter	AT	1.008	S6	-0.1	-0.022	-0.001	0.0257	
60 minute winter	S9	2.000	S5	5.0	0.722	0.180	0.0929	
60 minute winter	S8	3.000	S4	2.7	0.703	0.152	0.0243	

Results for 100 year +40% CC 120 minute summer. 360 minute analysis at 2 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute summer	S1	62	135.609	0.059	5.2	0.0809	0.0000	OK
120 minute summer	S2	62	135.485	0.088	16.5	0.1385	0.0000	OK
120 minute summer	S3	62	135.320	0.102	17.1	0.1830	0.0000	OK
120 minute summer	S4	62	135.266	0.118	21.6	0.1419	0.0000	OK
120 minute summer	S5	62	135.219	0.146	29.0	0.1800	0.0000	OK
120 minute summer	S6	62	135.168	0.135	30.9	0.2493	0.0000	OK
120 minute summer	S7	62	135.079	0.077	33.5	0.0942	0.0000	OK
120 minute summer	C1	62	134.757	0.137	33.5	0.1551	0.0000	OK
120 minute summer	OUTFALL	62	134.672	0.111	33.5	0.0000	0.0000	OK
120 minute summer	AT	62	135.168	0.068	0.1	0.0108	0.0000	OK
120 minute summer	S9	62	135.392	0.042	4.8	0.0571	0.0000	OK
120 minute summer	S8	62	135.341	0.041	2.6	0.0503	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	S1	1.001	S2	5.2	0.841	0.293	0.0483	
120 minute summer	S2	1.002	S3	16.5	1.033	0.301	0.2579	
120 minute summer	S3	1.003	S4	17.1	0.884	0.312	0.1224	
120 minute summer	S4	1.004	S5	21.6	0.893	0.394	0.1621	
120 minute summer	S5	1.005	S6	29.0	1.113	0.529	0.0939	
120 minute summer	S6	1.006	S7	30.9	1.680	0.564	0.0522	
120 minute summer	S7	1.007	C1	33.5	1.801	0.213	0.0791	
120 minute summer	C1	1.015	OUTFALL	33.5	1.490	0.498	0.0810	63.6
120 minute summer	AT	1.008	S6	-0.1	-0.016	-0.001	0.0248	
120 minute summer	S9	2.000	S5	4.8	0.729	0.173	0.0899	
120 minute summer	S8	3.000	S4	2.6	0.696	0.146	0.0236	

Results for 100 year +40% CC 120 minute winter. 360 minute analysis at 2 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute winter	S1	62	135.597	0.047	3.4	0.0639	0.0000	OK
120 minute winter	S2	62	135.467	0.070	10.9	0.1096	0.0000	OK
120 minute winter	S3	62	135.297	0.079	11.3	0.1406	0.0000	OK
120 minute winter	S4	62	135.239	0.091	14.3	0.1085	0.0000	OK
120 minute winter	S5	62	135.185	0.112	19.2	0.1383	0.0000	OK
120 minute winter	S6	62	135.140	0.107	20.5	0.1971	0.0000	OK
120 minute winter	S7	62	135.061	0.059	22.2	0.0728	0.0000	OK
120 minute winter	C1	62	134.726	0.106	22.2	0.1198	0.0000	OK
120 minute winter	OUTFALL	62	134.649	0.088	22.2	0.0000	0.0000	OK
120 minute winter	AT	62	135.140	0.040	0.0	0.0063	0.0000	OK
120 minute winter	S9	62	135.384	0.034	3.2	0.0466	0.0000	OK
120 minute winter	S8	62	135.333	0.033	1.7	0.0402	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	S1	1.001	S2	3.4	0.753	0.192	0.0353	
120 minute winter	S2	1.002	S3	10.9	0.956	0.199	0.1840	
120 minute winter	S3	1.003	S4	11.3	0.830	0.206	0.0862	
120 minute winter	S4	1.004	S5	14.3	0.827	0.261	0.1161	
120 minute winter	S5	1.005	S6	19.2	1.004	0.350	0.0690	
120 minute winter	S6	1.006	S7	20.5	1.539	0.374	0.0381	
120 minute winter	S7	1.007	C1	22.2	1.680	0.141	0.0567	
120 minute winter	C1	1.015	OUTFALL	22.2	1.353	0.330	0.0592	63.8
120 minute winter	AT	1.008	S6	0.0	-0.009	0.000	0.0165	
120 minute winter	S9	2.000	S5	3.2	0.731	0.115	0.0606	
120 minute winter	S8	3.000	S4	1.7	0.620	0.096	0.0173	

Results for 100 year +40% CC 180 minute summer. 420 minute analysis at 4 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute summer	S1	92	135.601	0.051	4.0	0.0696	0.0000	OK
180 minute summer	S2	92	135.473	0.076	12.8	0.1194	0.0000	OK
180 minute summer	S3	92	135.304	0.086	13.2	0.1542	0.0000	OK
180 minute summer	S4	92	135.247	0.099	16.5	0.1186	0.0000	OK
180 minute summer	S5	92	135.195	0.122	22.2	0.1509	0.0000	OK
180 minute summer	S6	92	135.148	0.115	23.6	0.2125	0.0000	OK
180 minute summer	S7	92	135.067	0.065	25.4	0.0791	0.0000	OK
180 minute summer	C1	92	134.735	0.115	25.4	0.1299	0.0000	OK
180 minute summer	OUTFALL	92	134.655	0.095	25.3	0.0000	0.0000	OK
180 minute summer	AT	92	135.148	0.048	0.0	0.0077	0.0000	OK
180 minute summer	S9	92	135.387	0.037	3.8	0.0506	0.0000	OK
180 minute summer	S8	92	135.335	0.035	2.0	0.0436	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	S1	1.001	S2	4.0	0.783	0.223	0.0395	
180 minute summer	S2	1.002	S3	12.7	0.985	0.231	0.2078	
180 minute summer	S3	1.003	S4	13.1	0.849	0.238	0.0973	
180 minute summer	S4	1.004	S5	16.4	0.848	0.300	0.1300	
180 minute summer	S5	1.005	S6	22.1	1.040	0.403	0.0765	
180 minute summer	S6	1.006	S7	23.4	1.584	0.427	0.0422	
180 minute summer	S7	1.007	C1	25.4	1.721	0.162	0.0631	
180 minute summer	C1	1.015	OUTFALL	25.3	1.395	0.376	0.0654	72.5
180 minute summer	AT	1.008	S6	0.0	0.009	0.000	0.0189	
180 minute summer	S9	2.000	S5	3.8	0.708	0.136	0.0701	
180 minute summer	S8	3.000	S4	2.0	0.645	0.111	0.0194	

Results for 100 year +40% CC 180 minute winter. 420 minute analysis at 4 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute winter	S1	92	135.590	0.040	2.6	0.0553	0.0000	OK
180 minute winter	S2	92	135.457	0.060	8.3	0.0947	0.0000	OK
180 minute winter	S3	92	135.285	0.066	8.6	0.1189	0.0000	OK
180 minute winter	S4	92	135.225	0.077	10.9	0.0920	0.0000	OK
180 minute winter	S5	92	135.168	0.095	14.7	0.1172	0.0000	OK
180 minute winter	S6	92	135.125	0.092	15.6	0.1697	0.0000	OK
180 minute winter	S7	92	135.053	0.051	16.9	0.0621	0.0000	OK
180 minute winter	C1	92	134.710	0.090	16.9	0.1018	0.0000	OK
180 minute winter	OUTFALL	92	134.637	0.077	16.9	0.0000	0.0000	OK
180 minute winter	AT	92	135.125	0.025	0.0	0.0040	0.0000	OK
180 minute winter	S9	92	135.380	0.030	2.5	0.0412	0.0000	OK
180 minute winter	S8	92	135.329	0.028	1.3	0.0351	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	S1	1.001	S2	2.6	0.700	0.146	0.0289	
180 minute winter	S2	1.002	S3	8.3	0.904	0.151	0.1478	
180 minute winter	S3	1.003	S4	8.6	0.790	0.156	0.0687	
180 minute winter	S4	1.004	S5	10.9	0.782	0.198	0.0933	
180 minute winter	S5	1.005	S6	14.6	0.940	0.267	0.0562	
180 minute winter	S6	1.006	S7	15.6	1.447	0.285	0.0310	
180 minute winter	S7	1.007	C1	16.9	1.598	0.108	0.0456	
180 minute winter	C1	1.015	OUTFALL	16.9	1.267	0.251	0.0482	73.0
180 minute winter	AT	1.008	S6	0.0	-0.006	0.000	0.0125	
180 minute winter	S9	2.000	S5	2.5	0.710	0.090	0.0455	
180 minute winter	S8	3.000	S4	1.3	0.575	0.073	0.0143	

Results for 100 year +40% CC 240 minute summer. 480 minute analysis at 4 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute summer	S1	124	135.595	0.045	3.2	0.0619	0.0000	OK
240 minute summer	S2	124	135.464	0.067	10.2	0.1057	0.0000	OK
240 minute summer	S3	124	135.294	0.076	10.6	0.1352	0.0000	OK
240 minute summer	S4	124	135.235	0.087	13.4	0.1043	0.0000	OK
240 minute summer	S5	124	135.181	0.107	18.0	0.1328	0.0000	OK
240 minute summer	S6	124	135.136	0.103	19.2	0.1900	0.0000	OK
240 minute summer	S7	124	135.059	0.057	20.8	0.0701	0.0000	OK
240 minute summer	C1	124	134.722	0.102	20.8	0.1152	0.0000	OK
240 minute summer	OUTFALL	124	134.645	0.085	20.8	0.0000	0.0000	OK
240 minute summer	AT	124	135.136	0.036	0.0	0.0057	0.0000	OK
240 minute summer	S9	124	135.383	0.033	3.0	0.0451	0.0000	OK
240 minute summer	S8	124	135.332	0.032	1.6	0.0390	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	S1	1.001	S2	3.2	0.741	0.180	0.0337	
240 minute summer	S2	1.002	S3	10.2	0.943	0.186	0.1746	
240 minute summer	S3	1.003	S4	10.6	0.821	0.193	0.0817	
240 minute summer	S4	1.004	S5	13.4	0.816	0.244	0.1102	
240 minute summer	S5	1.005	S6	18.0	0.989	0.328	0.0657	
240 minute summer	S6	1.006	S7	19.2	1.517	0.350	0.0363	
240 minute summer	S7	1.007	C1	20.8	1.660	0.133	0.0538	
240 minute summer	C1	1.015	OUTFALL	20.8	1.332	0.309	0.0563	79.0
240 minute summer	AT	1.008	S6	0.0	0.006	0.000	0.0154	
240 minute summer	S9	2.000	S5	3.0	0.731	0.108	0.0567	
240 minute summer	S8	3.000	S4	1.6	0.609	0.090	0.0166	

Results for 100 year +40% CC 240 minute winter. 480 minute analysis at 4 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute winter	S1	120	135.586	0.036	2.1	0.0495	0.0000	OK
240 minute winter	S2	124	135.451	0.054	6.8	0.0854	0.0000	OK
240 minute winter	S3	124	135.278	0.060	7.1	0.1065	0.0000	OK
240 minute winter	S4	124	135.217	0.068	9.0	0.0821	0.0000	OK
240 minute winter	S5	124	135.158	0.085	12.1	0.1046	0.0000	OK
240 minute winter	S6	124	135.116	0.083	12.9	0.1531	0.0000	OK
240 minute winter	S7	124	135.048	0.045	14.0	0.0557	0.0000	OK
240 minute winter	C1	124	134.701	0.081	14.0	0.0912	0.0000	OK
240 minute winter	OUTFALL	124	134.629	0.069	14.0	0.0000	0.0000	OK
240 minute winter	AT	124	135.116	0.016	0.0	0.0025	0.0000	OK
240 minute winter	S9	124	135.377	0.027	2.0	0.0369	0.0000	OK
240 minute winter	S8	124	135.326	0.026	1.1	0.0322	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	S1	1.001	S2	2.1	0.661	0.118	0.0248	
240 minute winter	S2	1.002	S3	6.8	0.863	0.124	0.1271	
240 minute winter	S3	1.003	S4	7.1	0.765	0.130	0.0587	
240 minute winter	S4	1.004	S5	9.0	0.757	0.164	0.0799	
240 minute winter	S5	1.005	S6	12.1	0.899	0.221	0.0485	
240 minute winter	S6	1.006	S7	12.9	1.383	0.235	0.0269	
240 minute winter	S7	1.007	C1	14.0	1.540	0.089	0.0392	
240 minute winter	C1	1.015	OUTFALL	14.0	1.211	0.208	0.0417	79.0
240 minute winter	AT	1.008	S6	0.0	0.004	0.000	0.0103	
240 minute winter	S9	2.000	S5	2.0	0.717	0.072	0.0363	
240 minute winter	S8	3.000	S4	1.1	0.548	0.062	0.0127	

Results for 100 year +40% CC 360 minute summer. 600 minute analysis at 8 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute summer	S1	184	135.590	0.040	2.5	0.0541	0.0000	OK
360 minute summer	S2	184	135.456	0.059	7.9	0.0921	0.0000	OK
360 minute summer	S3	184	135.282	0.064	8.2	0.1151	0.0000	OK
360 minute summer	S4	184	135.222	0.074	10.2	0.0885	0.0000	OK
360 minute summer	S5	184	135.164	0.091	13.7	0.1122	0.0000	OK
360 minute summer	S6	184	135.121	0.088	14.5	0.1628	0.0000	OK
360 minute summer	S7	184	135.051	0.048	15.7	0.0594	0.0000	OK
360 minute summer	C1	184	134.706	0.086	15.6	0.0973	0.0000	OK
360 minute summer	OUTFALL	184	134.633	0.073	15.6	0.0000	0.0000	OK
360 minute summer	AT	184	135.121	0.021	0.0	0.0034	0.0000	OK
360 minute summer	S9	184	135.379	0.029	2.3	0.0395	0.0000	OK
360 minute summer	S8	184	135.327	0.027	1.2	0.0336	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	S1	1.001	S2	2.5	0.691	0.140	0.0281	
360 minute summer	S2	1.002	S3	7.9	0.894	0.143	0.1417	
360 minute summer	S3	1.003	S4	8.1	0.786	0.148	0.0653	
360 minute summer	S4	1.004	S5	10.2	0.774	0.185	0.0882	
360 minute summer	S5	1.005	S6	13.6	0.926	0.248	0.0530	
360 minute summer	S6	1.006	S7	14.5	1.421	0.264	0.0293	
360 minute summer	S7	1.007	C1	15.6	1.574	0.100	0.0429	
360 minute summer	C1	1.015	OUTFALL	15.6	1.243	0.232	0.0454	87.6
360 minute summer	AT	1.008	S6	0.0	-0.004	0.000	0.0115	
360 minute summer	S9	2.000	S5	2.3	0.701	0.083	0.0418	
360 minute summer	S8	3.000	S4	1.2	0.561	0.067	0.0135	

Results for 100 year +40% CC 360 minute winter. 600 minute analysis at 8 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute winter	S1	184	135.581	0.031	1.6	0.0430	0.0000	OK
360 minute winter	S2	184	135.444	0.047	5.1	0.0737	0.0000	OK
360 minute winter	S3	184	135.268	0.050	5.3	0.0902	0.0000	OK
360 minute winter	S4	184	135.205	0.057	6.7	0.0688	0.0000	OK
360 minute winter	S5	184	135.144	0.071	9.0	0.0880	0.0000	OK
360 minute winter	S6	184	135.104	0.071	9.6	0.1308	0.0000	OK
360 minute winter	S7	184	135.041	0.039	10.4	0.0479	0.0000	OK
360 minute winter	C1	184	134.688	0.068	10.4	0.0769	0.0000	OK
360 minute winter	OUTFALL	184	134.620	0.060	10.4	0.0000	0.0000	OK
360 minute winter	AT	184	135.104	0.004	0.0	0.0006	0.0000	OK
360 minute winter	S9	184	135.374	0.024	1.5	0.0321	0.0000	OK
360 minute winter	S8	184	135.322	0.022	0.8	0.0275	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	S1	1.001	S2	1.6	0.613	0.090	0.0204	
360 minute winter	S2	1.002	S3	5.1	0.808	0.093	0.1017	
360 minute winter	S3	1.003	S4	5.3	0.726	0.097	0.0461	
360 minute winter	S4	1.004	S5	6.7	0.717	0.122	0.0628	
360 minute winter	S5	1.005	S6	9.0	0.837	0.164	0.0387	
360 minute winter	S6	1.006	S7	9.6	1.278	0.175	0.0217	
360 minute winter	S7	1.007	C1	10.4	1.437	0.066	0.0312	
360 minute winter	C1	1.015	OUTFALL	10.4	1.125	0.154	0.0333	88.4
360 minute winter	AT	1.008	S6	0.0	-0.002	0.000	0.0077	
360 minute winter	S9	2.000	S5	1.5	0.712	0.054	0.0252	
360 minute winter	S8	3.000	S4	0.8	0.501	0.045	0.0101	

Results for 100 year +40% CC 480 minute summer. 720 minute analysis at 8 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute summer	S1	248	135.584	0.034	1.9	0.0470	0.0000	OK
480 minute summer	S2	248	135.449	0.052	6.1	0.0808	0.0000	OK
480 minute summer	S3	248	135.274	0.056	6.3	0.0995	0.0000	OK
480 minute summer	S4	248	135.212	0.064	8.0	0.0765	0.0000	OK
480 minute summer	S5	248	135.152	0.079	10.8	0.0978	0.0000	OK
480 minute summer	S6	248	135.111	0.078	11.5	0.1440	0.0000	OK
480 minute summer	S7	248	135.045	0.043	12.5	0.0525	0.0000	OK
480 minute summer	C1	248	134.696	0.076	12.5	0.0855	0.0000	OK
480 minute summer	OUTFALL	248	134.625	0.065	12.5	0.0000	0.0000	OK
480 minute summer	AT	248	135.111	0.011	0.0	0.0018	0.0000	OK
480 minute summer	S9	248	135.376	0.026	1.8	0.0351	0.0000	OK
480 minute summer	S8	248	135.325	0.025	1.0	0.0307	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	S1	1.001	S2	1.9	0.643	0.107	0.0231	
480 minute summer	S2	1.002	S3	6.1	0.845	0.111	0.1165	
480 minute summer	S3	1.003	S4	6.3	0.749	0.115	0.0533	
480 minute summer	S4	1.004	S5	8.0	0.739	0.146	0.0727	
480 minute summer	S5	1.005	S6	10.8	0.875	0.197	0.0445	
480 minute summer	S6	1.006	S7	11.5	1.342	0.210	0.0247	
480 minute summer	S7	1.007	C1	12.5	1.503	0.080	0.0359	
480 minute summer	C1	1.015	OUTFALL	12.5	1.178	0.186	0.0383	95.7
480 minute summer	AT	1.008	S6	0.0	0.003	0.000	0.0091	
480 minute summer	S9	2.000	S5	1.8	0.714	0.065	0.0317	
480 minute summer	S8	3.000	S4	1.0	0.533	0.056	0.0118	

Results for 100 year +40% CC 480 minute winter. 720 minute analysis at 8 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute winter	S1	240	135.578	0.028	1.3	0.0387	0.0000	OK
480 minute winter	S2	248	135.439	0.042	4.1	0.0660	0.0000	OK
480 minute winter	S3	248	135.263	0.045	4.3	0.0805	0.0000	OK
480 minute winter	S4	248	135.199	0.051	5.4	0.0608	0.0000	OK
480 minute winter	S5	248	135.136	0.063	7.2	0.0775	0.0000	OK
480 minute winter	S6	248	135.096	0.063	7.7	0.1166	0.0000	OK
480 minute winter	S7	248	135.037	0.035	8.3	0.0430	0.0000	OK
480 minute winter	C1	248	134.680	0.060	8.3	0.0679	0.0000	OK
480 minute winter	OUTFALL	248	134.613	0.053	8.3	0.0000	0.0000	OK
480 minute winter	AT	8	135.100	0.000	0.0	0.0000	0.0000	OK
480 minute winter	S9	240	135.371	0.021	1.2	0.0288	0.0000	OK
480 minute winter	S8	224	135.319	0.019	0.6	0.0238	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	S1	1.001	S2	1.3	0.577	0.073	0.0176	
480 minute winter	S2	1.002	S3	4.1	0.763	0.075	0.0867	
480 minute winter	S3	1.003	S4	4.3	0.699	0.078	0.0390	
480 minute winter	S4	1.004	S5	5.4	0.689	0.099	0.0527	
480 minute winter	S5	1.005	S6	7.2	0.794	0.131	0.0327	
480 minute winter	S6	1.006	S7	7.7	1.205	0.140	0.0185	
480 minute winter	S7	1.007	C1	8.3	1.361	0.053	0.0263	
480 minute winter	C1	1.015	OUTFALL	8.3	1.063	0.123	0.0282	95.3
480 minute winter	AT	1.008	S6	0.0	0.000	0.000	0.0065	
480 minute winter	S9	2.000	S5	1.2	0.711	0.043	0.0188	
480 minute winter	S8	3.000	S4	0.6	0.460	0.034	0.0082	

Results for 100 year +40% CC 600 minute summer. 840 minute analysis at 15 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute summer	S1	315	135.581	0.031	1.6	0.0430	0.0000	OK
600 minute summer	S2	315	135.444	0.047	5.1	0.0737	0.0000	OK
600 minute summer	S3	315	135.268	0.050	5.3	0.0903	0.0000	OK
600 minute summer	S4	315	135.205	0.057	6.7	0.0689	0.0000	OK
600 minute summer	S5	315	135.144	0.071	9.0	0.0880	0.0000	OK
600 minute summer	S6	315	135.104	0.071	9.6	0.1309	0.0000	OK
600 minute summer	S7	315	135.041	0.039	10.4	0.0480	0.0000	OK
600 minute summer	C1	315	134.688	0.068	10.4	0.0770	0.0000	OK
600 minute summer	OUTFALL	315	134.620	0.060	10.4	0.0000	0.0000	OK
600 minute summer	AT	315	135.104	0.004	0.0	0.0006	0.0000	OK
600 minute summer	S9	315	135.374	0.024	1.5	0.0321	0.0000	OK
600 minute summer	S8	315	135.322	0.022	0.8	0.0275	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	S1	1.001	S2	1.6	0.613	0.090	0.0204	
600 minute summer	S2	1.002	S3	5.1	0.808	0.093	0.1018	
600 minute summer	S3	1.003	S4	5.3	0.727	0.097	0.0462	
600 minute summer	S4	1.004	S5	6.7	0.717	0.122	0.0629	
600 minute summer	S5	1.005	S6	9.0	0.838	0.164	0.0387	
600 minute summer	S6	1.006	S7	9.6	1.278	0.175	0.0217	
600 minute summer	S7	1.007	C1	10.4	1.438	0.066	0.0312	
600 minute summer	C1	1.015	OUTFALL	10.4	1.125	0.155	0.0334	102.4
600 minute summer	AT	1.008	S6	0.0	-0.002	0.000	0.0077	
600 minute summer	S9	2.000	S5	1.5	0.733	0.054	0.0253	
600 minute summer	S8	3.000	S4	0.8	0.501	0.045	0.0101	

Results for 100 year +40% CC 600 minute winter. 840 minute analysis at 15 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute winter	S1	315	135.576	0.026	1.1	0.0356	0.0000	OK
600 minute winter	S2	315	135.436	0.039	3.5	0.0611	0.0000	OK
600 minute winter	S3	315	135.259	0.041	3.6	0.0733	0.0000	OK
600 minute winter	S4	315	135.194	0.046	4.5	0.0550	0.0000	OK
600 minute winter	S5	315	135.130	0.057	6.0	0.0699	0.0000	OK
600 minute winter	S6	315	135.091	0.057	6.4	0.1060	0.0000	OK
600 minute winter	S7	315	135.034	0.032	6.9	0.0393	0.0000	OK
600 minute winter	C1	315	134.674	0.054	6.9	0.0613	0.0000	OK
600 minute winter	OUTFALL	315	134.609	0.048	6.9	0.0000	0.0000	OK
600 minute winter	AT	15	135.100	0.000	0.0	0.0000	0.0000	OK
600 minute winter	S9	285	135.370	0.020	1.0	0.0266	0.0000	OK
600 minute winter	S8	285	135.318	0.018	0.5	0.0218	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	S1	1.001	S2	1.1	0.551	0.062	0.0156	
600 minute winter	S2	1.002	S3	3.5	0.738	0.064	0.0766	
600 minute winter	S3	1.003	S4	3.6	0.673	0.066	0.0338	
600 minute winter	S4	1.004	S5	4.5	0.664	0.082	0.0456	
600 minute winter	S5	1.005	S6	6.0	0.760	0.109	0.0285	
600 minute winter	S6	1.006	S7	6.4	1.145	0.117	0.0162	
600 minute winter	S7	1.007	C1	6.9	1.300	0.044	0.0229	
600 minute winter	C1	1.015	OUTFALL	6.9	1.014	0.103	0.0245	102.1
600 minute winter	AT	1.008	S6	0.0	0.000	0.000	0.0056	
600 minute winter	S9	2.000	S5	1.0	0.717	0.036	0.0145	
600 minute winter	S8	3.000	S4	0.5	0.436	0.028	0.0072	

Results for 100 year +40% CC 720 minute summer. 960 minute analysis at 15 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute summer	S1	375	135.579	0.029	1.4	0.0402	0.0000	OK
720 minute summer	S2	375	135.441	0.044	4.5	0.0691	0.0000	OK
720 minute summer	S3	375	135.265	0.047	4.7	0.0845	0.0000	OK
720 minute summer	S4	375	135.201	0.053	5.9	0.0640	0.0000	OK
720 minute summer	S5	375	135.139	0.066	7.9	0.0817	0.0000	OK
720 minute summer	S6	375	135.099	0.066	8.4	0.1220	0.0000	OK
720 minute summer	S7	375	135.039	0.037	9.1	0.0449	0.0000	OK
720 minute summer	C1	375	134.683	0.063	9.1	0.0715	0.0000	OK
720 minute summer	OUTFALL	375	134.616	0.056	9.1	0.0000	0.0000	OK
720 minute summer	AT	15	135.100	0.000	0.0	0.0000	0.0000	OK
720 minute summer	S9	375	135.372	0.022	1.3	0.0300	0.0000	OK
720 minute summer	S8	375	135.321	0.021	0.7	0.0257	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	S1	1.001	S2	1.4	0.590	0.079	0.0185	
720 minute summer	S2	1.002	S3	4.5	0.783	0.082	0.0928	
720 minute summer	S3	1.003	S4	4.7	0.712	0.086	0.0418	
720 minute summer	S4	1.004	S5	5.9	0.701	0.108	0.0566	
720 minute summer	S5	1.005	S6	7.9	0.814	0.144	0.0350	
720 minute summer	S6	1.006	S7	8.4	1.232	0.153	0.0197	
720 minute summer	S7	1.007	C1	9.1	1.393	0.058	0.0282	
720 minute summer	C1	1.015	OUTFALL	9.1	1.088	0.135	0.0302	107.2
720 minute summer	AT	1.008	S6	0.0	0.000	0.000	0.0069	
720 minute summer	S9	2.000	S5	1.3	0.711	0.047	0.0212	
720 minute summer	S8	3.000	S4	0.7	0.482	0.039	0.0092	

Results for 100 year +40% CC 720 minute winter. 960 minute analysis at 15 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute winter	S1	375	135.575	0.025	1.0	0.0339	0.0000	OK
720 minute winter	S2	375	135.434	0.037	3.1	0.0575	0.0000	OK
720 minute winter	S3	375	135.257	0.038	3.2	0.0689	0.0000	OK
720 minute winter	S4	375	135.192	0.044	4.1	0.0522	0.0000	OK
720 minute winter	S5	375	135.127	0.054	5.5	0.0667	0.0000	OK
720 minute winter	S6	375	135.088	0.055	5.9	0.1016	0.0000	OK
720 minute winter	S7	375	135.033	0.031	6.4	0.0379	0.0000	OK
720 minute winter	C1	375	134.672	0.052	6.4	0.0589	0.0000	OK
720 minute winter	OUTFALL	375	134.607	0.047	6.4	0.0000	0.0000	OK
720 minute winter	AT	15	135.100	0.000	0.0	0.0000	0.0000	OK
720 minute winter	S9	390	135.369	0.019	0.9	0.0255	0.0000	OK
720 minute winter	S8	360	135.318	0.018	0.5	0.0218	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	S1	1.001	S2	1.0	0.536	0.056	0.0146	
720 minute winter	S2	1.002	S3	3.1	0.714	0.057	0.0700	
720 minute winter	S3	1.003	S4	3.2	0.649	0.058	0.0312	
720 minute winter	S4	1.004	S5	4.1	0.649	0.075	0.0425	
720 minute winter	S5	1.005	S6	5.5	0.743	0.100	0.0267	
720 minute winter	S6	1.006	S7	5.9	1.117	0.108	0.0153	
720 minute winter	S7	1.007	C1	6.4	1.276	0.041	0.0217	
720 minute winter	C1	1.015	OUTFALL	6.4	0.995	0.095	0.0232	109.3
720 minute winter	AT	1.008	S6	0.0	0.000	0.000	0.0053	
720 minute winter	S9	2.000	S5	0.9	0.713	0.032	0.0128	
720 minute winter	S8	3.000	S4	0.5	0.436	0.028	0.0072	

Results for 100 year +40% CC 960 minute summer. 1200 minute analysis at 15 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute summer	S1	495	135.577	0.027	1.2	0.0372	0.0000	OK
960 minute summer	S2	495	135.438	0.041	3.8	0.0636	0.0000	OK
960 minute summer	S3	495	135.261	0.043	3.9	0.0764	0.0000	OK
960 minute summer	S4	495	135.196	0.048	4.9	0.0576	0.0000	OK
960 minute summer	S5	495	135.133	0.060	6.6	0.0737	0.0000	OK
960 minute summer	S6	495	135.093	0.060	7.0	0.1110	0.0000	OK
960 minute summer	S7	495	135.036	0.034	7.6	0.0412	0.0000	OK
960 minute summer	C1	495	134.677	0.057	7.6	0.0647	0.0000	OK
960 minute summer	OUTFALL	495	134.611	0.051	7.6	0.0000	0.0000	OK
960 minute summer	AT	15	135.100	0.000	0.0	0.0000	0.0000	OK
960 minute summer	S9	495	135.370	0.020	1.1	0.0277	0.0000	OK
960 minute summer	S8	495	135.319	0.019	0.6	0.0238	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	S1	1.001	S2	1.2	0.564	0.068	0.0166	
960 minute summer	S2	1.002	S3	3.8	0.754	0.069	0.0813	
960 minute summer	S3	1.003	S4	3.9	0.684	0.071	0.0361	
960 minute summer	S4	1.004	S5	4.9	0.673	0.089	0.0490	
960 minute summer	S5	1.005	S6	6.6	0.780	0.120	0.0305	
960 minute summer	S6	1.006	S7	7.0	1.171	0.128	0.0173	
960 minute summer	S7	1.007	C1	7.6	1.332	0.048	0.0247	
960 minute summer	C1	1.015	OUTFALL	7.6	1.040	0.113	0.0264	115.8
960 minute summer	AT	1.008	S6	0.0	0.000	0.000	0.0060	
960 minute summer	S9	2.000	S5	1.1	0.720	0.040	0.0166	
960 minute summer	S8	3.000	S4	0.6	0.460	0.034	0.0082	

Results for 100 year +40% CC 960 minute winter. 1200 minute analysis at 15 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute winter	S1	480	135.572	0.022	0.8	0.0304	0.0000	OK
960 minute winter	S2	480	135.430	0.033	2.5	0.0517	0.0000	OK
960 minute winter	S3	480	135.253	0.035	2.6	0.0618	0.0000	OK
960 minute winter	S4	480	135.187	0.039	3.3	0.0465	0.0000	OK
960 minute winter	S5	480	135.121	0.048	4.4	0.0589	0.0000	OK
960 minute winter	S6	480	135.082	0.049	4.7	0.0905	0.0000	OK
960 minute winter	S7	480	135.030	0.028	5.1	0.0340	0.0000	OK
960 minute winter	C1	480	134.666	0.046	5.1	0.0521	0.0000	OK
960 minute winter	OUTFALL	480	134.602	0.042	5.1	0.0000	0.0000	OK
960 minute winter	AT	15	135.100	0.000	0.0	0.0000	0.0000	OK
960 minute winter	S9	465	135.367	0.017	0.7	0.0226	0.0000	OK
960 minute winter	S8	465	135.316	0.016	0.4	0.0196	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	S1	1.001	S2	0.8	0.503	0.045	0.0124	
960 minute winter	S2	1.002	S3	2.5	0.673	0.046	0.0599	
960 minute winter	S3	1.003	S4	2.6	0.621	0.047	0.0265	
960 minute winter	S4	1.004	S5	3.3	0.621	0.060	0.0357	
960 minute winter	S5	1.005	S6	4.4	0.705	0.080	0.0225	
960 minute winter	S6	1.006	S7	4.7	1.048	0.086	0.0130	
960 minute winter	S7	1.007	C1	5.1	1.205	0.032	0.0183	
960 minute winter	C1	1.015	OUTFALL	5.1	0.938	0.076	0.0196	116.5
960 minute winter	AT	1.008	S6	0.0	0.000	0.000	0.0045	
960 minute winter	S9	2.000	S5	0.7	0.662	0.025	0.0106	
960 minute winter	S8	3.000	S4	0.4	0.408	0.023	0.0062	

Results for 100 year +40% CC 1440 minute summer. 1680 minute analysis at 30 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute summer	S1	750	135.574	0.024	0.9	0.0322	0.0000	OK
1440 minute summer	S2	750	135.432	0.035	2.8	0.0546	0.0000	OK
1440 minute summer	S3	750	135.255	0.037	2.9	0.0654	0.0000	OK
1440 minute summer	S4	750	135.189	0.041	3.6	0.0487	0.0000	OK
1440 minute summer	S5	750	135.123	0.050	4.8	0.0617	0.0000	OK
1440 minute summer	S6	750	135.084	0.051	5.1	0.0943	0.0000	OK
1440 minute summer	S7	750	135.031	0.029	5.5	0.0353	0.0000	OK
1440 minute summer	C1	750	134.668	0.048	5.5	0.0542	0.0000	OK
1440 minute summer	OUTFALL	750	134.603	0.043	5.5	0.0000	0.0000	OK
1440 minute summer	AT	30	135.100	0.000	0.0	0.0000	0.0000	OK
1440 minute summer	S9	750	135.368	0.018	0.8	0.0241	0.0000	OK
1440 minute summer	S8	720	135.316	0.016	0.4	0.0196	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	S1	1.001	S2	0.9	0.520	0.051	0.0135	
1440 minute summer	S2	1.002	S3	2.8	0.694	0.051	0.0650	
1440 minute summer	S3	1.003	S4	2.9	0.643	0.053	0.0286	
1440 minute summer	S4	1.004	S5	3.6	0.633	0.066	0.0382	
1440 minute summer	S5	1.005	S6	4.8	0.722	0.088	0.0240	
1440 minute summer	S6	1.006	S7	5.1	1.074	0.093	0.0137	
1440 minute summer	S7	1.007	C1	5.5	1.228	0.035	0.0193	
1440 minute summer	C1	1.015	OUTFALL	5.5	0.957	0.082	0.0207	124.8
1440 minute summer	AT	1.008	S6	0.0	0.000	0.000	0.0048	
1440 minute summer	S9	2.000	S5	0.8	0.688	0.029	0.0116	
1440 minute summer	S8	3.000	S4	0.4	0.408	0.023	0.0062	

Results for 100 year +40% CC 1440 minute winter. 1680 minute analysis at 30 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute winter	S1	750	135.569	0.019	0.6	0.0264	0.0000	OK
1440 minute winter	S2	750	135.426	0.029	1.9	0.0452	0.0000	OK
1440 minute winter	S3	750	135.248	0.030	2.0	0.0541	0.0000	OK
1440 minute winter	S4	750	135.182	0.033	2.5	0.0401	0.0000	OK
1440 minute winter	S5	750	135.114	0.041	3.3	0.0504	0.0000	OK
1440 minute winter	S6	750	135.075	0.042	3.5	0.0780	0.0000	OK
1440 minute winter	S7	750	135.026	0.024	3.8	0.0296	0.0000	OK
1440 minute winter	C1	750	134.659	0.039	3.8	0.0446	0.0000	OK
1440 minute winter	OUTFALL	750	134.596	0.036	3.8	0.0000	0.0000	OK
1440 minute winter	AT	30	135.100	0.000	0.0	0.0000	0.0000	OK
1440 minute winter	S9	690	135.364	0.014	0.5	0.0192	0.0000	OK
1440 minute winter	S8	690	135.314	0.014	0.3	0.0170	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	S1	1.001	S2	0.6	0.462	0.034	0.0101	
1440 minute winter	S2	1.002	S3	1.9	0.622	0.035	0.0493	
1440 minute winter	S3	1.003	S4	2.0	0.585	0.036	0.0216	
1440 minute winter	S4	1.004	S5	2.5	0.586	0.046	0.0287	
1440 minute winter	S5	1.005	S6	3.3	0.658	0.060	0.0181	
1440 minute winter	S6	1.006	S7	3.5	0.963	0.064	0.0105	
1440 minute winter	S7	1.007	C1	3.8	1.114	0.024	0.0147	
1440 minute winter	C1	1.015	OUTFALL	3.8	0.867	0.057	0.0158	125.4
1440 minute winter	AT	1.008	S6	0.0	0.000	0.000	0.0036	
1440 minute winter	S9	2.000	S5	0.5	0.599	0.018	0.0083	
1440 minute winter	S8	3.000	S4	0.3	0.376	0.017	0.0050	