

Design Settings

Rainfall Methodology	FEH-22	Minimum Velocity (m/s)	1.00
Return Period (years)	2	Connection Type	Level Soffits
Additional Flow (%)	0	Minimum Backdrop Height (m)	0.200
CV	1.000	Preferred Cover Depth (m)	1.200
Time of Entry (mins)	4.00	Include Intermediate Ground	✓
Maximum Time of Concentration (mins)	30.00	Enforce best practice design rules	✓
Maximum Rainfall (mm/hr)	75.0		

Nodes

Name	Area (ha)	T of E (mins)	Cover Level (m)	Diameter (mm)	Easting (m)	Northing (m)	Depth (m)
S3	0.000	4.00	10.100	550	75.386	31.817	0.560
225 Drain			9.900	200	74.313	36.047	0.390
RE1		4.00	10.200	180	77.734	20.048	0.330
S1	0.003	4.00	10.075	315	78.648	29.411	0.305
BioRetention	0.000	4.00	10.000	450	75.407	29.451	0.450
S2			10.100	450	75.364	30.694	0.555
S4			10.050	315	75.425	32.558	0.520

Links

Name	US Node	DS Node	Length (m)	ks (mm) / n	US IL (m)	DS IL (m)	Fall (m)	Slope (1:X)	Dia (mm)	T of C (mins)	Rain (mm/hr)
1.000	RE1	S1	9.700	0.600	9.870	9.770	0.100	97.0	100	4.21	56.7
1.001	S1	BioRetention	1.000	0.600	9.770	9.760	0.010	100.0	100	4.23	56.7
1.002	BioRetention	S2	1.000	0.600	9.550	9.545	0.005	200.0	100	4.26	56.7
1.003	S2	S3	1.000	0.600	9.545	9.540	0.005	200.0	100	4.29	56.7
1.004	S3	S4	1.000	0.600	9.540	9.530	0.010	100.0	100	4.31	0.0
1.005	S4	225 Drain	2.000	0.600	9.530	9.510	0.020	100.0	100	4.36	56.7

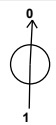
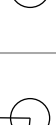
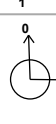
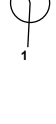
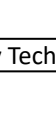
Name	Vel (m/s)	Cap (l/s)	Flow (l/s)	US Depth (m)	DS Depth (m)	Σ Area (ha)	Σ Add Inflow (l/s)	Pro Depth (mm)	Pro Velocity (m/s)
1.000	0.781	6.1	0.0	0.230	0.205	0.000	0.0	0	0.000
1.001	0.769	6.0	0.6	0.205	0.140	0.003	0.0	21	0.490
1.002	0.540	4.2	0.6	0.350	0.455	0.003	0.0	26	0.386
1.003	0.540	4.2	0.6	0.455	0.460	0.003	0.0	26	0.386
1.004	0.769	6.0	0.0	0.460	0.420	0.003	0.0	0	0.000
1.005	0.769	6.0	0.6	0.420	0.290	0.003	0.0	21	0.490

Pipeline Schedule

Link	Length (m)	Slope (1:X)	Dia (mm)	Link Type	US CL (m)	US IL (m)	US Depth (m)	DS CL (m)	DS IL (m)	DS Depth (m)
1.000	9.700	97.0	100	Circular	10.200	9.870	0.230	10.075	9.770	0.205
1.001	1.000	100.0	100	Circular	10.075	9.770	0.205	10.000	9.760	0.140
1.002	1.000	200.0	100	Circular	10.000	9.550	0.350	10.100	9.545	0.455
1.003	1.000	200.0	100	Circular	10.100	9.545	0.455	10.100	9.540	0.460
1.004	1.000	100.0	100	Circular	10.100	9.540	0.460	10.050	9.530	0.420
1.005	2.000	100.0	100	Circular	10.050	9.530	0.420	9.900	9.510	0.290

Link	US Node	Dia (mm)	Node Type	MH Type	DS Node	Dia (mm)	Node Type	MH Type
1.000	RE1	180	Manhole	Adoptable	S1	315	Manhole	Adoptable
1.001	S1	315	Manhole	Adoptable	BioRetention	450	Manhole	Adoptable
1.002	BioRetention	450	Manhole	Adoptable	S2	450	Manhole	Adoptable
1.003	S2	450	Manhole	Adoptable	S3	550	Manhole	Adoptable
1.004	S3	550	Manhole	Adoptable	S4	315	Manhole	Adoptable
1.005	S4	315	Manhole	Adoptable	225 Drain	200	Manhole	Adoptable

Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)
S3	75.386	31.817	10.100	0.560	550	 1	1.003	9.540	100
225 Drain	74.313	36.047	9.900	0.390	200	 1	1.004	9.540	100
RE1	77.734	20.048	10.200	0.330	180	 0	1.000	9.870	100
S1	78.648	29.411	10.075	0.305	315	 1	1.000	9.770	100
BioRetention	75.407	29.451	10.000	0.450	450	 0	1.001	9.760	100
S2	75.364	30.694	10.100	0.555	450	 1	1.002	9.550	100
S4	75.425	32.558	10.050	0.520	315	 1	1.002	9.545	100
						0	1.003	9.545	100
						1	1.004	9.530	100
						0	1.005	9.530	100

Simulation Settings

Rainfall Methodology	FEH-22	Analysis Speed	Detailed	Starting Level (m)	
Rainfall Events	Singular	Skip Steady State	x	Check Discharge Rate(s)	x
Summer CV	1.000	Drain Down Time (mins)	240	Check Discharge Volume	x
Winter CV	1.000	Additional Storage (m ³ /ha)	0.0		

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 %)
2	0	0	0
10	0	0	0
30	0	0	0
30	45	0	0
100	0	10	0
100	45	10	0

Node S3 Online Orifice Control

Flap Valve	x	Design Depth (m)	0.300	Discharge Coefficient	0.600
Replaces Downstream Link	x	Design Flow (l/s)	0.5		
Invert Level (m)	9.540	Diameter (m)	0.021		

Node BioRetention Depth/Area Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Safety Factor	2.0	Invert Level (m)	9.550
Side Inf Coefficient (m/hr)	0.00000	Porosity	0.20	Time to half empty (mins)	50

Depth (m)	Area (m ²)	Inf Area (m ²)	Depth (m)	Area (m ²)	Inf Area (m ²)	Depth (m)	Area (m ²)	Inf Area (m ²)
0.000	2.5	0.0	0.200	2.5	0.0	0.400	2.5	0.0
0.100	2.5	0.0	0.300	2.5	0.0	0.450	2.5	0.0

Results for 2 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
30 minute summer	S3	22	9.599	0.059	0.3	0.0139	0.0000	OK
30 minute summer	225 Drain	23	9.522	0.012	0.2	0.0000	0.0000	OK
15 minute summer	RE1	1	9.870	0.000	0.0	0.0000	0.0000	OK
15 minute winter	S1	10	9.793	0.023	0.6	0.0018	0.0000	OK
30 minute summer	BioRetention	22	9.599	0.049	0.5	0.0321	0.0000	OK
30 minute summer	S2	22	9.599	0.054	0.4	0.0085	0.0000	OK
30 minute summer	S4	23	9.543	0.013	0.2	0.0010	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute summer	S3	1.004	S4	0.2	0.329	0.032	0.0006	
15 minute summer	RE1	1.000	S1	0.0	0.000	0.000	0.0068	
15 minute winter	S1	1.001	BioRetention	0.6	0.459	0.099	0.0013	
30 minute summer	BioRetention	1.002	S2	0.4	0.341	0.093	0.0040	
30 minute summer	S2	1.003	S3	0.3	0.335	0.066	0.0045	
30 minute summer	S4	1.005	225 Drain	0.2	0.344	0.032	0.0011	0.3

Results for 10 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
30 minute summer	S3	22	9.661	0.121	0.5	0.0289	0.0000	SURCHARGED
60 minute summer	225 Drain	41	9.525	0.015	0.3	0.0000	0.0000	OK
15 minute summer	RE1	1	9.870	0.000	0.0	0.0000	0.0000	OK
15 minute summer	S1	10	9.804	0.034	1.2	0.0027	0.0000	OK
30 minute summer	BioRetention	22	9.661	0.111	1.1	0.0734	0.0000	SURCHARGED
30 minute summer	S2	22	9.661	0.116	0.8	0.0185	0.0000	SURCHARGED
60 minute summer	S4	41	9.546	0.016	0.3	0.0012	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute summer	S3	1.004	S4	0.3	0.365	0.049	0.0008	
15 minute summer	RE1	1.000	S1	0.0	0.000	0.000	0.0114	
15 minute summer	S1	1.001	BioRetention	1.2	0.552	0.199	0.0022	
30 minute summer	BioRetention	1.002	S2	0.8	0.341	0.187	0.0078	
30 minute summer	S2	1.003	S3	0.5	0.335	0.121	0.0078	
60 minute summer	S4	1.005	225 Drain	0.3	0.388	0.049	0.0015	0.8

Results for 30 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
60 minute summer	S3	40	9.710	0.170	0.5	0.0406	0.0000	SURCHARGED
60 minute summer	225 Drain	41	9.527	0.017	0.4	0.0000	0.0000	OK
15 minute summer	RE1	1	9.870	0.000	0.0	0.0000	0.0000	OK
15 minute summer	S1	10	9.810	0.040	1.6	0.0031	0.0000	OK
60 minute summer	BioRetention	40	9.711	0.161	1.0	0.1058	0.0000	FLOOD RISK
60 minute summer	S2	40	9.710	0.165	0.8	0.0263	0.0000	SURCHARGED
60 minute summer	S4	41	9.547	0.017	0.4	0.0014	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute summer	S3	1.004	S4	0.4	0.383	0.059	0.0009	
15 minute summer	RE1	1.000	S1	0.0	0.000	0.000	0.0142	
15 minute summer	S1	1.001	BioRetention	1.6	0.595	0.265	0.0027	
60 minute summer	BioRetention	1.002	S2	0.8	0.341	0.181	0.0078	
60 minute summer	S2	1.003	S3	0.5	0.335	0.126	0.0078	
60 minute summer	S4	1.005	225 Drain	0.4	0.408	0.059	0.0018	1.0

Results for 30 year +45% 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
60 minute summer	S3	41	9.796	0.256	0.7	0.0610	0.0000	SURCHARGED
60 minute summer	225 Drain	41	9.528	0.018	0.4	0.0000	0.0000	OK
15 minute summer	RE1	1	9.870	0.000	0.0	0.0000	0.0000	OK
15 minute summer	S1	10	9.819	0.049	2.3	0.0039	0.0000	OK
60 minute summer	BioRetention	41	9.796	0.246	1.5	0.1623	0.0000	FLOOD RISK
60 minute summer	S2	41	9.796	0.251	1.1	0.0399	0.0000	SURCHARGED
60 minute summer	S4	41	9.550	0.020	0.4	0.0015	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute summer	S3	1.004	S4	0.4	0.404	0.074	0.0011	
15 minute summer	RE1	1.000	S1	0.0	0.000	0.000	0.0187	
15 minute summer	S1	1.001	BioRetention	2.3	0.654	0.381	0.0035	
60 minute summer	BioRetention	1.002	S2	1.1	0.341	0.259	0.0078	
60 minute summer	S2	1.003	S3	0.7	0.341	0.171	0.0078	
60 minute summer	S4	1.005	225 Drain	0.4	0.434	0.074	0.0021	1.5

Results for 100 year +10% A 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
60 minute summer	S3	41	9.790	0.250	0.7	0.0594	0.0000	SURCHARGED
60 minute summer	225 Drain	42	9.528	0.018	0.4	0.0000	0.0000	OK
15 minute summer	RE1	1	9.870	0.000	0.0	0.0000	0.0000	OK
15 minute summer	S1	10	9.818	0.048	2.2	0.0038	0.0000	OK
60 minute summer	BioRetention	41	9.790	0.240	1.4	0.1580	0.0000	FLOOD RISK
60 minute summer	S2	41	9.790	0.245	1.1	0.0389	0.0000	SURCHARGED
60 minute summer	S4	42	9.549	0.019	0.4	0.0015	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute summer	S3	1.004	S4	0.4	0.403	0.073	0.0011	
15 minute summer	RE1	1.000	S1	0.0	0.000	0.000	0.0181	
15 minute summer	S1	1.001	BioRetention	2.2	0.646	0.364	0.0034	
60 minute summer	BioRetention	1.002	S2	1.1	0.341	0.249	0.0078	
60 minute summer	S2	1.003	S3	0.7	0.335	0.168	0.0078	
60 minute summer	S4	1.005	225 Drain	0.4	0.432	0.073	0.0020	1.4

Results for 100 year +45% CC +10% A 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
60 minute summer	S3	42	9.887	0.347	1.0	0.0827	0.0000	FLOOD RISK
60 minute summer	225 Drain	43	9.530	0.020	0.5	0.0000	0.0000	OK
60 minute summer	RE1	42	9.888	0.018	0.1	0.0005	0.0000	OK
60 minute summer	S1	42	9.888	0.118	2.1	0.0092	0.0000	FLOOD RISK
60 minute summer	BioRetention	42	9.888	0.338	2.1	0.2226	0.0000	FLOOD RISK
60 minute summer	S2	42	9.888	0.343	1.5	0.0545	0.0000	FLOOD RISK
60 minute summer	S4	43	9.551	0.021	0.5	0.0017	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute summer	S3	1.004	S4	0.5	0.420	0.087	0.0013	
60 minute summer	RE1	1.000	S1	-0.1	-0.023	-0.017	0.0427	
60 minute summer	S1	1.001	BioRetention	2.1	0.636	0.344	0.0078	
60 minute summer	BioRetention	1.002	S2	1.5	0.413	0.359	0.0078	
60 minute summer	S2	1.003	S3	1.0	0.416	0.230	0.0078	
60 minute summer	S4	1.005	225 Drain	0.5	0.454	0.087	0.0023	2.1

Results for 2 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	S3	14	9.594	0.054	0.3	0.0129	0.0000	OK
15 minute summer	225 Drain	15	9.522	0.012	0.2	0.0000	0.0000	OK
15 minute summer	RE1	1	9.870	0.000	0.0	0.0000	0.0000	OK
15 minute summer	S1	10	9.793	0.023	0.6	0.0018	0.0000	OK
15 minute summer	BioRetention	14	9.594	0.044	0.6	0.0291	0.0000	OK
15 minute summer	S2	14	9.594	0.049	0.5	0.0078	0.0000	OK
15 minute summer	S4	15	9.543	0.013	0.2	0.0010	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.2	
RE1	1.000	0.0	
S1	1.001	0.6	
BioRetention	1.002	0.5	
S2	1.003	0.3	
S4	1.005	0.2	0.2

Results for 2 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	S3	14	9.599	0.059	0.3	0.0139	0.0000	OK
15 minute winter	225 Drain	16	9.522	0.012	0.2	0.0000	0.0000	OK
15 minute winter	RE1	1	9.870	0.000	0.0	0.0000	0.0000	OK
15 minute winter	S1	10	9.793	0.023	0.6	0.0018	0.0000	OK
15 minute winter	BioRetention	14	9.599	0.049	0.6	0.0321	0.0000	OK
15 minute winter	S2	14	9.599	0.054	0.5	0.0085	0.0000	OK
15 minute winter	S4	16	9.543	0.013	0.2	0.0010	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.2	
RE1	1.000	0.0	
S1	1.001	0.6	
BioRetention	1.002	0.5	
S2	1.003	0.3	
S4	1.005	0.2	0.2

Results for 2 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 (m ³)	Flood (m ³)	Status
30 minute summer	S3	22	9.599	0.059	0.3	0.0139	0.0000	OK
30 minute summer	225 Drain	23	9.522	0.012	0.2	0.0000	0.0000	OK
30 minute summer	RE1	1	9.870	0.000	0.0	0.0000	0.0000	OK
30 minute summer	S1	18	9.791	0.021	0.5	0.0017	0.0000	OK
30 minute summer	BioRetention	22	9.599	0.049	0.5	0.0321	0.0000	OK
30 minute summer	S2	22	9.599	0.054	0.4	0.0085	0.0000	OK
30 minute summer	S4	23	9.543	0.013	0.2	0.0010	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m ³)
S3	1.004	0.2	
RE1	1.000	0.0	
S1	1.001	0.5	
BioRetention	1.002	0.4	
S2	1.003	0.3	
S4	1.005	0.2	0.3

Results for 2 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	S3	23	9.598	0.058	0.3	0.0138	0.0000	OK
30 minute winter	225 Drain	24	9.522	0.012	0.2	0.0000	0.0000	OK
30 minute winter	RE1	1	9.870	0.000	0.0	0.0000	0.0000	OK
30 minute winter	S1	19	9.789	0.019	0.4	0.0015	0.0000	OK
30 minute winter	BioRetention	23	9.598	0.048	0.4	0.0317	0.0000	OK
30 minute winter	S2	23	9.598	0.053	0.3	0.0084	0.0000	OK
30 minute winter	S4	24	9.543	0.013	0.2	0.0010	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.2	
RE1	1.000	0.0	
S1	1.001	0.4	
BioRetention	1.002	0.3	
S2	1.003	0.3	
S4	1.005	0.2	0.3

Results for 2 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	S3	39	9.597	0.057	0.2	0.0136	0.0000	OK
60 minute summer	225 Drain	40	9.522	0.012	0.2	0.0000	0.0000	OK
60 minute summer	RE1	1	9.870	0.000	0.0	0.0000	0.0000	OK
60 minute summer	S1	33	9.789	0.019	0.4	0.0015	0.0000	OK
60 minute summer	BioRetention	39	9.597	0.047	0.4	0.0313	0.0000	OK
60 minute summer	S2	39	9.597	0.052	0.3	0.0083	0.0000	OK
60 minute summer	S4	40	9.543	0.013	0.2	0.0010	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.2	
RE1	1.000	0.0	
S1	1.001	0.4	
BioRetention	1.002	0.3	
S2	1.003	0.2	
S4	1.005	0.2	0.4

Results for 2 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	S3	41	9.593	0.053	0.2	0.0125	0.0000	OK
60 minute winter	225 Drain	42	9.522	0.012	0.2	0.0000	0.0000	OK
60 minute winter	RE1	1	9.870	0.000	0.0	0.0000	0.0000	OK
60 minute winter	S1	35	9.786	0.016	0.3	0.0013	0.0000	OK
60 minute winter	BioRetention	41	9.593	0.043	0.3	0.0282	0.0000	OK
60 minute winter	S2	41	9.593	0.048	0.3	0.0076	0.0000	OK
60 minute winter	S4	42	9.542	0.012	0.2	0.0010	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.2	
RE1	1.000	0.0	
S1	1.001	0.3	
BioRetention	1.002	0.3	
S2	1.003	0.2	
S4	1.005	0.2	0.4

Results for 2 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	S3	70	9.591	0.051	0.2	0.0121	0.0000	OK
120 minute summer	225 Drain	72	9.522	0.012	0.2	0.0000	0.0000	OK
120 minute summer	RE1	2	9.870	0.000	0.0	0.0000	0.0000	OK
120 minute summer	S1	64	9.786	0.016	0.3	0.0013	0.0000	OK
120 minute summer	BioRetention	70	9.591	0.041	0.3	0.0270	0.0000	OK
120 minute summer	S2	70	9.591	0.046	0.3	0.0073	0.0000	OK
120 minute summer	S4	72	9.542	0.012	0.2	0.0010	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.2	
RE1	1.000	0.0	
S1	1.001	0.3	
BioRetention	1.002	0.3	
S2	1.003	0.2	
S4	1.005	0.2	0.4

Results for 2 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	S3	74	9.585	0.045	0.2	0.0108	0.0000	OK
120 minute winter	225 Drain	74	9.522	0.012	0.2	0.0000	0.0000	OK
120 minute winter	RE1	2	9.870	0.000	0.0	0.0000	0.0000	OK
120 minute winter	S1	60	9.783	0.013	0.2	0.0010	0.0000	OK
120 minute winter	BioRetention	74	9.586	0.036	0.2	0.0235	0.0000	OK
120 minute winter	S2	74	9.586	0.041	0.2	0.0064	0.0000	OK
120 minute winter	S4	74	9.542	0.012	0.2	0.0009	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.2	
RE1	1.000	0.0	
S1	1.001	0.2	
BioRetention	1.002	0.2	
S2	1.003	0.2	
S4	1.005	0.2	0.5

Results for 2 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	S3	104	9.583	0.043	0.2	0.0103	0.0000	OK
180 minute summer	225 Drain	104	9.521	0.011	0.2	0.0000	0.0000	OK
180 minute summer	RE1	4	9.870	0.000	0.0	0.0000	0.0000	OK
180 minute summer	S1	92	9.783	0.013	0.2	0.0010	0.0000	OK
180 minute summer	BioRetention	100	9.583	0.033	0.2	0.0220	0.0000	OK
180 minute summer	S2	100	9.583	0.038	0.2	0.0061	0.0000	OK
180 minute summer	S4	104	9.542	0.012	0.2	0.0009	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.2	
RE1	1.000	0.0	
S1	1.001	0.2	
BioRetention	1.002	0.2	
S2	1.003	0.2	
S4	1.005	0.2	0.5

Results for 2 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	S3	96	9.568	0.028	0.1	0.0068	0.0000	OK
180 minute winter	225 Drain	96	9.520	0.010	0.1	0.0000	0.0000	OK
180 minute winter	RE1	4	9.870	0.000	0.0	0.0000	0.0000	OK
180 minute winter	S1	92	9.783	0.013	0.2	0.0010	0.0000	OK
180 minute winter	BioRetention	96	9.569	0.019	0.2	0.0125	0.0000	OK
180 minute winter	S2	96	9.569	0.024	0.2	0.0038	0.0000	OK
180 minute winter	S4	96	9.540	0.010	0.1	0.0008	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.1	
RE1	1.000	0.0	
S1	1.001	0.2	
BioRetention	1.002	0.2	
S2	1.003	0.1	
S4	1.005	0.1	0.5

Results for 2 year 240 minute summer. 480 minute analysis at 4 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute summer	S3	132	9.581	0.041	0.2	0.0097	0.0000	OK
240 minute summer	225 Drain	132	9.521	0.011	0.2	0.0000	0.0000	OK
240 minute summer	RE1	4	9.870	0.000	0.0	0.0000	0.0000	OK
240 minute summer	S1	124	9.783	0.013	0.2	0.0010	0.0000	OK
240 minute summer	BioRetention	132	9.581	0.031	0.2	0.0203	0.0000	OK
240 minute summer	S2	132	9.581	0.036	0.2	0.0057	0.0000	OK
240 minute summer	S4	132	9.542	0.012	0.2	0.0009	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.2	
RE1	1.000	0.0	
S1	1.001	0.2	
BioRetention	1.002	0.2	
S2	1.003	0.2	
S4	1.005	0.2	0.5

Results for 2 year 240 minute winter. 480 minute analysis at 4 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute winter	S3	164	9.562	0.022	0.1	0.0053	0.0000	OK
240 minute winter	225 Drain	164	9.519	0.009	0.1	0.0000	0.0000	OK
240 minute winter	RE1	4	9.870	0.000	0.0	0.0000	0.0000	OK
240 minute winter	S1	92	9.779	0.009	0.1	0.0007	0.0000	OK
240 minute winter	BioRetention	164	9.563	0.013	0.1	0.0088	0.0000	OK
240 minute winter	S2	164	9.563	0.018	0.1	0.0028	0.0000	OK
240 minute winter	S4	164	9.539	0.009	0.1	0.0007	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.1	
RE1	1.000	0.0	
S1	1.001	0.1	
BioRetention	1.002	0.1	
S2	1.003	0.1	
S4	1.005	0.1	0.5

Results for 2 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	S3	224	9.562	0.022	0.1	0.0053	0.0000	OK
360 minute summer	225 Drain	224	9.519	0.009	0.1	0.0000	0.0000	OK
360 minute summer	RE1	8	9.870	0.000	0.0	0.0000	0.0000	OK
360 minute summer	S1	160	9.779	0.009	0.1	0.0007	0.0000	OK
360 minute summer	BioRetention	224	9.563	0.013	0.1	0.0088	0.0000	OK
360 minute summer	S2	224	9.563	0.018	0.1	0.0028	0.0000	OK
360 minute summer	S4	224	9.539	0.009	0.1	0.0007	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.1	
RE1	1.000	0.0	
S1	1.001	0.1	
BioRetention	1.002	0.1	
S2	1.003	0.1	
S4	1.005	0.1	0.5

Results for 2 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	S3	232	9.562	0.022	0.1	0.0053	0.0000	OK
360 minute winter	225 Drain	232	9.519	0.009	0.1	0.0000	0.0000	OK
360 minute winter	RE1	8	9.870	0.000	0.0	0.0000	0.0000	OK
360 minute winter	S1	152	9.779	0.009	0.1	0.0007	0.0000	OK
360 minute winter	BioRetention	232	9.563	0.013	0.1	0.0088	0.0000	OK
360 minute winter	S2	232	9.563	0.018	0.1	0.0028	0.0000	OK
360 minute winter	S4	232	9.539	0.009	0.1	0.0007	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.1	
RE1	1.000	0.0	
S1	1.001	0.1	
BioRetention	1.002	0.1	
S2	1.003	0.1	
S4	1.005	0.1	0.6

Results for 2 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	S3	288	9.562	0.022	0.1	0.0053	0.0000	OK
480 minute summer	225 Drain	288	9.519	0.009	0.1	0.0000	0.0000	OK
480 minute summer	RE1	8	9.870	0.000	0.0	0.0000	0.0000	OK
480 minute summer	S1	216	9.779	0.009	0.1	0.0007	0.0000	OK
480 minute summer	BioRetention	288	9.563	0.013	0.1	0.0088	0.0000	OK
480 minute summer	S2	288	9.563	0.018	0.1	0.0028	0.0000	OK
480 minute summer	S4	288	9.539	0.009	0.1	0.0007	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.1	
RE1	1.000	0.0	
S1	1.001	0.1	
BioRetention	1.002	0.1	
S2	1.003	0.1	
S4	1.005	0.1	0.6

Results for 2 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	S3	296	9.562	0.022	0.1	0.0053	0.0000	OK
480 minute winter	225 Drain	296	9.519	0.009	0.1	0.0000	0.0000	OK
480 minute winter	RE1	8	9.870	0.000	0.0	0.0000	0.0000	OK
480 minute winter	S1	208	9.779	0.009	0.1	0.0007	0.0000	OK
480 minute winter	BioRetention	296	9.563	0.013	0.1	0.0088	0.0000	OK
480 minute winter	S2	296	9.563	0.018	0.1	0.0028	0.0000	OK
480 minute winter	S4	296	9.539	0.009	0.1	0.0007	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.1	
RE1	1.000	0.0	
S1	1.001	0.1	
BioRetention	1.002	0.1	
S2	1.003	0.1	
S4	1.005	0.1	0.7

Results for 2 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	S3	345	9.562	0.022	0.1	0.0053	0.0000	OK
600 minute summer	225 Drain	345	9.519	0.009	0.1	0.0000	0.0000	OK
600 minute summer	RE1	15	9.870	0.000	0.0	0.0000	0.0000	OK
600 minute summer	S1	285	9.779	0.009	0.1	0.0007	0.0000	OK
600 minute summer	BioRetention	345	9.563	0.013	0.1	0.0088	0.0000	OK
600 minute summer	S2	345	9.563	0.018	0.1	0.0028	0.0000	OK
600 minute summer	S4	345	9.539	0.009	0.1	0.0007	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.1	
RE1	1.000	0.0	
S1	1.001	0.1	
BioRetention	1.002	0.1	
S2	1.003	0.1	
S4	1.005	0.1	0.5

Results for 2 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	S3	345	9.562	0.022	0.1	0.0053	0.0000	OK
600 minute winter	225 Drain	345	9.519	0.009	0.1	0.0000	0.0000	OK
600 minute winter	RE1	15	9.870	0.000	0.0	0.0000	0.0000	OK
600 minute winter	S1	285	9.779	0.009	0.1	0.0007	0.0000	OK
600 minute winter	BioRetention	345	9.563	0.013	0.1	0.0088	0.0000	OK
600 minute winter	S2	345	9.563	0.018	0.1	0.0028	0.0000	OK
600 minute winter	S4	345	9.539	0.009	0.1	0.0007	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.1	
RE1	1.000	0.0	
S1	1.001	0.1	
BioRetention	1.002	0.1	
S2	1.003	0.1	
S4	1.005	0.1	0.5

Results for 2 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	S3	405	9.562	0.022	0.1	0.0053	0.0000	OK
720 minute summer	225 Drain	405	9.519	0.009	0.1	0.0000	0.0000	OK
720 minute summer	RE1	15	9.870	0.000	0.0	0.0000	0.0000	OK
720 minute summer	S1	345	9.779	0.009	0.1	0.0007	0.0000	OK
720 minute summer	BioRetention	405	9.563	0.013	0.1	0.0088	0.0000	OK
720 minute summer	S2	405	9.563	0.018	0.1	0.0028	0.0000	OK
720 minute summer	S4	405	9.539	0.009	0.1	0.0007	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.1	
RE1	1.000	0.0	
S1	1.001	0.1	
BioRetention	1.002	0.1	
S2	1.003	0.1	
S4	1.005	0.1	0.5

Results for 2 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	S3	405	9.562	0.022	0.1	0.0053	0.0000	OK
720 minute winter	225 Drain	405	9.519	0.009	0.1	0.0000	0.0000	OK
720 minute winter	RE1	15	9.870	0.000	0.0	0.0000	0.0000	OK
720 minute winter	S1	345	9.779	0.009	0.1	0.0007	0.0000	OK
720 minute winter	BioRetention	405	9.563	0.013	0.1	0.0088	0.0000	OK
720 minute winter	S2	405	9.563	0.018	0.1	0.0028	0.0000	OK
720 minute winter	S4	405	9.539	0.009	0.1	0.0007	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.1	
RE1	1.000	0.0	
S1	1.001	0.1	
BioRetention	1.002	0.1	
S2	1.003	0.1	
S4	1.005	0.1	0.5

Results for 2 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	S3	525	9.562	0.022	0.1	0.0053	0.0000	OK
960 minute summer	225 Drain	525	9.519	0.009	0.1	0.0000	0.0000	OK
960 minute summer	RE1	15	9.870	0.000	0.0	0.0000	0.0000	OK
960 minute summer	S1	465	9.779	0.009	0.1	0.0007	0.0000	OK
960 minute summer	BioRetention	525	9.563	0.013	0.1	0.0088	0.0000	OK
960 minute summer	S2	525	9.563	0.018	0.1	0.0028	0.0000	OK
960 minute summer	S4	525	9.539	0.009	0.1	0.0007	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.1	
RE1	1.000	0.0	
S1	1.001	0.1	
BioRetention	1.002	0.1	
S2	1.003	0.1	
S4	1.005	0.1	0.5

Results for 2 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	S3	15	9.540	0.000	0.0	0.0000	0.0000	OK
960 minute winter	225 Drain	15	9.510	0.000	0.0	0.0000	0.0000	OK
960 minute winter	RE1	15	9.870	0.000	0.0	0.0000	0.0000	OK
960 minute winter	S1	15	9.770	0.000	0.0	0.0000	0.0000	OK
960 minute winter	BioRetention	15	9.550	0.000	0.0	0.0000	0.0000	OK
960 minute winter	S2	15	9.545	0.000	0.0	0.0000	0.0000	OK
960 minute winter	S4	15	9.530	0.000	0.0	0.0000	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.0	
RE1	1.000	0.0	
S1	1.001	0.0	
BioRetention	1.002	0.0	
S2	1.003	0.0	
S4	1.005	0.0	0.0

Results for 2 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	S3	30	9.540	0.000	0.0	0.0000	0.0000	OK
1440 minute summer	225 Drain	30	9.510	0.000	0.0	0.0000	0.0000	OK
1440 minute summer	RE1	30	9.870	0.000	0.0	0.0000	0.0000	OK
1440 minute summer	S1	30	9.770	0.000	0.0	0.0000	0.0000	OK
1440 minute summer	BioRetention	30	9.550	0.000	0.0	0.0000	0.0000	OK
1440 minute summer	S2	30	9.545	0.000	0.0	0.0000	0.0000	OK
1440 minute summer	S4	30	9.530	0.000	0.0	0.0000	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.0	
RE1	1.000	0.0	
S1	1.001	0.0	
BioRetention	1.002	0.0	
S2	1.003	0.0	
S4	1.005	0.0	0.0

Results for 2 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	S3	30	9.540	0.000	0.0	0.0000	0.0000	OK
1440 minute winter	225 Drain	30	9.510	0.000	0.0	0.0000	0.0000	OK
1440 minute winter	RE1	30	9.870	0.000	0.0	0.0000	0.0000	OK
1440 minute winter	S1	30	9.770	0.000	0.0	0.0000	0.0000	OK
1440 minute winter	BioRetention	30	9.550	0.000	0.0	0.0000	0.0000	OK
1440 minute winter	S2	30	9.545	0.000	0.0	0.0000	0.0000	OK
1440 minute winter	S4	30	9.530	0.000	0.0	0.0000	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.0	
RE1	1.000	0.0	
S1	1.001	0.0	
BioRetention	1.002	0.0	
S2	1.003	0.0	
S4	1.005	0.0	0.0

Results for 10 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	S3	15	9.653	0.113	0.6	0.0268	0.0000	SURCHARGED
15 minute summer	225 Drain	16	9.525	0.015	0.3	0.0000	0.0000	OK
15 minute summer	RE1	1	9.870	0.000	0.0	0.0000	0.0000	OK
15 minute summer	S1	10	9.804	0.034	1.2	0.0027	0.0000	OK
15 minute summer	BioRetention	15	9.653	0.103	1.2	0.0676	0.0000	SURCHARGED
15 minute summer	S2	15	9.653	0.108	0.9	0.0171	0.0000	SURCHARGED
15 minute summer	S4	16	9.546	0.016	0.3	0.0012	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.3	
RE1	1.000	0.0	
S1	1.001	1.2	
BioRetention	1.002	0.9	
S2	1.003	0.6	
S4	1.005	0.3	0.5

Results for 10 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	S3	15	9.652	0.112	0.5	0.0267	0.0000	SURCHARGED
15 minute winter	225 Drain	16	9.525	0.015	0.3	0.0000	0.0000	OK
15 minute winter	RE1	1	9.870	0.000	0.0	0.0000	0.0000	OK
15 minute winter	S1	10	9.803	0.033	1.1	0.0025	0.0000	OK
15 minute winter	BioRetention	15	9.652	0.102	1.1	0.0675	0.0000	SURCHARGED
15 minute winter	S2	15	9.652	0.107	0.8	0.0171	0.0000	SURCHARGED
15 minute winter	S4	16	9.546	0.015	0.3	0.0012	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.3	
RE1	1.000	0.0	
S1	1.001	1.1	
BioRetention	1.002	0.8	
S2	1.003	0.5	
S4	1.005	0.3	0.5

Results for 10 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	S3	22	9.661	0.121	0.5	0.0289	0.0000	SURCHARGED
30 minute summer	225 Drain	23	9.525	0.015	0.3	0.0000	0.0000	OK
30 minute summer	RE1	1	9.870	0.000	0.0	0.0000	0.0000	OK
30 minute summer	S1	17	9.802	0.032	1.1	0.0025	0.0000	OK
30 minute summer	BioRetention	22	9.661	0.111	1.1	0.0734	0.0000	SURCHARGED
30 minute summer	S2	22	9.661	0.116	0.8	0.0185	0.0000	SURCHARGED
30 minute summer	S4	23	9.546	0.016	0.3	0.0012	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.3	
RE1	1.000	0.0	
S1	1.001	1.1	
BioRetention	1.002	0.8	
S2	1.003	0.5	
S4	1.005	0.3	0.6

Results for 10 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	S3	24	9.656	0.116	0.4	0.0277	0.0000	SURCHARGED
30 minute winter	225 Drain	25	9.525	0.015	0.3	0.0000	0.0000	OK
30 minute winter	RE1	1	9.870	0.000	0.0	0.0000	0.0000	OK
30 minute winter	S1	18	9.797	0.027	0.8	0.0021	0.0000	OK
30 minute winter	BioRetention	24	9.657	0.107	0.8	0.0703	0.0000	SURCHARGED
30 minute winter	S2	24	9.657	0.112	0.6	0.0177	0.0000	SURCHARGED
30 minute winter	S4	25	9.546	0.016	0.3	0.0012	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.3	
RE1	1.000	0.0	
S1	1.001	0.8	
BioRetention	1.002	0.6	
S2	1.003	0.4	
S4	1.005	0.3	0.6

Results for 10 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	S3	40	9.661	0.121	0.4	0.0288	0.0000	SURCHARGED
60 minute summer	225 Drain	41	9.525	0.015	0.3	0.0000	0.0000	OK
60 minute summer	RE1	1	9.870	0.000	0.0	0.0000	0.0000	OK
60 minute summer	S1	32	9.797	0.027	0.8	0.0021	0.0000	OK
60 minute summer	BioRetention	40	9.661	0.111	0.8	0.0733	0.0000	SURCHARGED
60 minute summer	S2	40	9.661	0.116	0.6	0.0185	0.0000	SURCHARGED
60 minute summer	S4	41	9.546	0.016	0.3	0.0012	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.3	
RE1	1.000	0.0	
S1	1.001	0.8	
BioRetention	1.002	0.6	
S2	1.003	0.4	
S4	1.005	0.3	0.8

Results for 10 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	S3	43	9.649	0.109	0.3	0.0259	0.0000	SURCHARGED
60 minute winter	225 Drain	43	9.525	0.015	0.3	0.0000	0.0000	OK
60 minute winter	RE1	1	9.870	0.000	0.0	0.0000	0.0000	OK
60 minute winter	S1	34	9.791	0.021	0.5	0.0017	0.0000	OK
60 minute winter	BioRetention	42	9.649	0.099	0.5	0.0652	0.0000	OK
60 minute winter	S2	42	9.649	0.104	0.4	0.0165	0.0000	SURCHARGED
60 minute winter	S4	43	9.545	0.015	0.3	0.0012	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.3	
RE1	1.000	0.0	
S1	1.001	0.5	
BioRetention	1.002	0.4	
S2	1.003	0.3	
S4	1.005	0.3	0.8

Results for 10 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	S3	72	9.645	0.105	0.3	0.0251	0.0000	SURCHARGED
120 minute summer	225 Drain	74	9.525	0.015	0.3	0.0000	0.0000	OK
120 minute summer	RE1	2	9.870	0.000	0.0	0.0000	0.0000	OK
120 minute summer	S1	64	9.791	0.021	0.5	0.0017	0.0000	OK
120 minute summer	BioRetention	72	9.645	0.095	0.5	0.0629	0.0000	OK
120 minute summer	S2	72	9.645	0.100	0.4	0.0160	0.0000	SURCHARGED
120 minute summer	S4	74	9.545	0.015	0.3	0.0012	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.3	
RE1	1.000	0.0	
S1	1.001	0.5	
BioRetention	1.002	0.4	
S2	1.003	0.3	
S4	1.005	0.3	1.0

Results for 10 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	S3	76	9.624	0.084	0.3	0.0199	0.0000	OK
120 minute winter	225 Drain	76	9.524	0.014	0.2	0.0000	0.0000	OK
120 minute winter	RE1	2	9.870	0.000	0.0	0.0000	0.0000	OK
120 minute winter	S1	56	9.786	0.016	0.3	0.0013	0.0000	OK
120 minute winter	BioRetention	76	9.624	0.074	0.3	0.0486	0.0000	OK
120 minute winter	S2	76	9.624	0.079	0.3	0.0125	0.0000	OK
120 minute winter	S4	76	9.544	0.014	0.2	0.0011	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.2	
RE1	1.000	0.0	
S1	1.001	0.3	
BioRetention	1.002	0.3	
S2	1.003	0.3	
S4	1.005	0.2	1.0

Results for 10 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	S3	104	9.621	0.081	0.3	0.0193	0.0000	OK
180 minute summer	225 Drain	104	9.524	0.014	0.2	0.0000	0.0000	OK
180 minute summer	RE1	4	9.870	0.000	0.0	0.0000	0.0000	OK
180 minute summer	S1	92	9.789	0.019	0.4	0.0015	0.0000	OK
180 minute summer	BioRetention	104	9.621	0.071	0.4	0.0469	0.0000	OK
180 minute summer	S2	104	9.621	0.076	0.3	0.0121	0.0000	OK
180 minute summer	S4	104	9.544	0.014	0.2	0.0011	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.2	
RE1	1.000	0.0	
S1	1.001	0.4	
BioRetention	1.002	0.3	
S2	1.003	0.3	
S4	1.005	0.2	1.0

Results for 10 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	S3	100	9.610	0.070	0.2	0.0165	0.0000	OK
180 minute winter	225 Drain	100	9.523	0.013	0.2	0.0000	0.0000	OK
180 minute winter	RE1	4	9.870	0.000	0.0	0.0000	0.0000	OK
180 minute winter	S1	96	9.786	0.016	0.3	0.0013	0.0000	OK
180 minute winter	BioRetention	100	9.610	0.060	0.3	0.0393	0.0000	OK
180 minute winter	S2	100	9.610	0.065	0.3	0.0103	0.0000	OK
180 minute winter	S4	100	9.544	0.014	0.2	0.0011	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.2	
RE1	1.000	0.0	
S1	1.001	0.3	
BioRetention	1.002	0.3	
S2	1.003	0.2	
S4	1.005	0.2	1.0

Results for 10 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	S3	132	9.612	0.072	0.2	0.0172	0.0000	OK
240 minute summer	225 Drain	132	9.523	0.013	0.2	0.0000	0.0000	OK
240 minute summer	RE1	4	9.870	0.000	0.0	0.0000	0.0000	OK
240 minute summer	S1	124	9.786	0.016	0.3	0.0013	0.0000	OK
240 minute summer	BioRetention	132	9.612	0.062	0.3	0.0410	0.0000	OK
240 minute summer	S2	132	9.612	0.067	0.3	0.0107	0.0000	OK
240 minute summer	S4	132	9.544	0.014	0.2	0.0011	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.2	
RE1	1.000	0.0	
S1	1.001	0.3	
BioRetention	1.002	0.3	
S2	1.003	0.2	
S4	1.005	0.2	1.0

Results for 10 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	S3	144	9.595	0.055	0.2	0.0131	0.0000	OK
240 minute winter	225 Drain	144	9.522	0.012	0.2	0.0000	0.0000	OK
240 minute winter	RE1	4	9.870	0.000	0.0	0.0000	0.0000	OK
240 minute winter	S1	108	9.783	0.013	0.2	0.0010	0.0000	OK
240 minute winter	BioRetention	144	9.595	0.045	0.2	0.0299	0.0000	OK
240 minute winter	S2	144	9.595	0.050	0.2	0.0080	0.0000	OK
240 minute winter	S4	144	9.543	0.013	0.2	0.0010	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.2	
RE1	1.000	0.0	
S1	1.001	0.2	
BioRetention	1.002	0.2	
S2	1.003	0.2	
S4	1.005	0.2	1.0

Results for 10 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	S3	200	9.592	0.052	0.2	0.0125	0.0000	OK
360 minute summer	225 Drain	200	9.522	0.012	0.2	0.0000	0.0000	OK
360 minute summer	RE1	8	9.870	0.000	0.0	0.0000	0.0000	OK
360 minute summer	S1	176	9.783	0.013	0.2	0.0010	0.0000	OK
360 minute summer	BioRetention	200	9.593	0.043	0.2	0.0281	0.0000	OK
360 minute summer	S2	200	9.593	0.048	0.2	0.0076	0.0000	OK
360 minute summer	S4	200	9.542	0.012	0.2	0.0010	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.2	
RE1	1.000	0.0	
S1	1.001	0.2	
BioRetention	1.002	0.2	
S2	1.003	0.2	
S4	1.005	0.2	1.0

Results for 10 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	S3	192	9.572	0.032	0.1	0.0077	0.0000	OK
360 minute winter	225 Drain	192	9.520	0.010	0.1	0.0000	0.0000	OK
360 minute winter	RE1	8	9.870	0.000	0.0	0.0000	0.0000	OK
360 minute winter	S1	184	9.783	0.013	0.2	0.0010	0.0000	OK
360 minute winter	BioRetention	192	9.572	0.022	0.2	0.0148	0.0000	OK
360 minute winter	S2	192	9.572	0.027	0.2	0.0043	0.0000	OK
360 minute winter	S4	192	9.541	0.011	0.1	0.0008	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.1	
RE1	1.000	0.0	
S1	1.001	0.2	
BioRetention	1.002	0.2	
S2	1.003	0.1	
S4	1.005	0.1	1.0

Results for 10 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	S3	256	9.589	0.049	0.2	0.0117	0.0000	OK
480 minute summer	225 Drain	256	9.522	0.012	0.2	0.0000	0.0000	OK
480 minute summer	RE1	8	9.870	0.000	0.0	0.0000	0.0000	OK
480 minute summer	S1	240	9.783	0.013	0.2	0.0010	0.0000	OK
480 minute summer	BioRetention	256	9.589	0.039	0.2	0.0260	0.0000	OK
480 minute summer	S2	256	9.589	0.044	0.2	0.0071	0.0000	OK
480 minute summer	S4	256	9.542	0.012	0.2	0.0009	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.2	
RE1	1.000	0.0	
S1	1.001	0.2	
BioRetention	1.002	0.2	
S2	1.003	0.2	
S4	1.005	0.2	1.0

Results for 10 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	S3	320	9.562	0.022	0.1	0.0053	0.0000	OK
480 minute winter	225 Drain	320	9.519	0.009	0.1	0.0000	0.0000	OK
480 minute winter	RE1	8	9.870	0.000	0.0	0.0000	0.0000	OK
480 minute winter	S1	176	9.779	0.009	0.1	0.0007	0.0000	OK
480 minute winter	BioRetention	328	9.563	0.013	0.1	0.0088	0.0000	OK
480 minute winter	S2	320	9.563	0.018	0.1	0.0028	0.0000	OK
480 minute winter	S4	328	9.539	0.009	0.1	0.0007	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.1	
RE1	1.000	0.0	
S1	1.001	0.1	
BioRetention	1.002	0.1	
S2	1.003	0.1	
S4	1.005	0.1	1.1

Results for 10 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	S3	375	9.562	0.022	0.1	0.0053	0.0000	OK
600 minute summer	225 Drain	375	9.519	0.009	0.1	0.0000	0.0000	OK
600 minute summer	RE1	15	9.870	0.000	0.0	0.0000	0.0000	OK
600 minute summer	S1	255	9.779	0.009	0.1	0.0007	0.0000	OK
600 minute summer	BioRetention	375	9.563	0.013	0.1	0.0088	0.0000	OK
600 minute summer	S2	375	9.563	0.018	0.1	0.0028	0.0000	OK
600 minute summer	S4	375	9.539	0.009	0.1	0.0007	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.1	
RE1	1.000	0.0	
S1	1.001	0.1	
BioRetention	1.002	0.1	
S2	1.003	0.1	
S4	1.005	0.1	0.9

Results for 10 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	S3	390	9.562	0.022	0.1	0.0053	0.0000	OK
600 minute winter	225 Drain	375	9.519	0.009	0.1	0.0000	0.0000	OK
600 minute winter	RE1	15	9.870	0.000	0.0	0.0000	0.0000	OK
600 minute winter	S1	240	9.779	0.009	0.1	0.0007	0.0000	OK
600 minute winter	BioRetention	390	9.563	0.013	0.1	0.0088	0.0000	OK
600 minute winter	S2	390	9.563	0.018	0.1	0.0028	0.0000	OK
600 minute winter	S4	390	9.539	0.009	0.1	0.0007	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.1	
RE1	1.000	0.0	
S1	1.001	0.1	
BioRetention	1.002	0.1	
S2	1.003	0.1	
S4	1.005	0.1	1.1

Results for 10 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	S3	435	9.562	0.022	0.1	0.0053	0.0000	OK
720 minute summer	225 Drain	435	9.519	0.009	0.1	0.0000	0.0000	OK
720 minute summer	RE1	15	9.870	0.000	0.0	0.0000	0.0000	OK
720 minute summer	S1	315	9.779	0.009	0.1	0.0007	0.0000	OK
720 minute summer	BioRetention	435	9.563	0.013	0.1	0.0088	0.0000	OK
720 minute summer	S2	435	9.563	0.018	0.1	0.0028	0.0000	OK
720 minute summer	S4	435	9.539	0.009	0.1	0.0007	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.1	
RE1	1.000	0.0	
S1	1.001	0.1	
BioRetention	1.002	0.1	
S2	1.003	0.1	
S4	1.005	0.1	0.9

Results for 10 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	S3	450	9.562	0.022	0.1	0.0053	0.0000	OK
720 minute winter	225 Drain	420	9.519	0.009	0.1	0.0000	0.0000	OK
720 minute winter	RE1	15	9.870	0.000	0.0	0.0000	0.0000	OK
720 minute winter	S1	285	9.779	0.009	0.1	0.0007	0.0000	OK
720 minute winter	BioRetention	450	9.563	0.013	0.1	0.0088	0.0000	OK
720 minute winter	S2	450	9.563	0.018	0.1	0.0028	0.0000	OK
720 minute winter	S4	435	9.539	0.009	0.1	0.0007	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.1	
RE1	1.000	0.0	
S1	1.001	0.1	
BioRetention	1.002	0.1	
S2	1.003	0.1	
S4	1.005	0.1	1.2

Results for 10 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	S3	570	9.562	0.022	0.1	0.0053	0.0000	OK
960 minute summer	225 Drain	555	9.519	0.009	0.1	0.0000	0.0000	OK
960 minute summer	RE1	15	9.870	0.000	0.0	0.0000	0.0000	OK
960 minute summer	S1	420	9.779	0.009	0.1	0.0007	0.0000	OK
960 minute summer	BioRetention	570	9.563	0.013	0.1	0.0088	0.0000	OK
960 minute summer	S2	570	9.563	0.018	0.1	0.0028	0.0000	OK
960 minute summer	S4	570	9.539	0.009	0.1	0.0007	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.1	
RE1	1.000	0.0	
S1	1.001	0.1	
BioRetention	1.002	0.1	
S2	1.003	0.1	
S4	1.005	0.1	1.1

Results for 10 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	S3	570	9.562	0.022	0.1	0.0053	0.0000	OK
960 minute winter	225 Drain	555	9.519	0.009	0.1	0.0000	0.0000	OK
960 minute winter	RE1	15	9.870	0.000	0.0	0.0000	0.0000	OK
960 minute winter	S1	420	9.779	0.009	0.1	0.0007	0.0000	OK
960 minute winter	BioRetention	570	9.563	0.013	0.1	0.0088	0.0000	OK
960 minute winter	S2	570	9.563	0.018	0.1	0.0028	0.0000	OK
960 minute winter	S4	570	9.539	0.009	0.1	0.0007	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.1	
RE1	1.000	0.0	
S1	1.001	0.1	
BioRetention	1.002	0.1	
S2	1.003	0.1	
S4	1.005	0.1	1.1

Results for 10 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	S3	810	9.562	0.022	0.1	0.0053	0.0000	OK
1440 minute summer	225 Drain	810	9.519	0.009	0.1	0.0000	0.0000	OK
1440 minute summer	RE1	30	9.870	0.000	0.0	0.0000	0.0000	OK
1440 minute summer	S1	690	9.779	0.009	0.1	0.0007	0.0000	OK
1440 minute summer	BioRetention	810	9.563	0.013	0.1	0.0088	0.0000	OK
1440 minute summer	S2	810	9.563	0.018	0.1	0.0028	0.0000	OK
1440 minute summer	S4	810	9.539	0.009	0.1	0.0007	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.1	
RE1	1.000	0.0	
S1	1.001	0.1	
BioRetention	1.002	0.1	
S2	1.003	0.1	
S4	1.005	0.1	1.1

Results for 10 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	S3	30	9.540	0.000	0.0	0.0000	0.0000	OK
1440 minute winter	225 Drain	30	9.510	0.000	0.0	0.0000	0.0000	OK
1440 minute winter	RE1	30	9.870	0.000	0.0	0.0000	0.0000	OK
1440 minute winter	S1	30	9.770	0.000	0.0	0.0000	0.0000	OK
1440 minute winter	BioRetention	30	9.550	0.000	0.0	0.0000	0.0000	OK
1440 minute winter	S2	30	9.545	0.000	0.0	0.0000	0.0000	OK
1440 minute winter	S4	30	9.530	0.000	0.0	0.0000	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.0	
RE1	1.000	0.0	
S1	1.001	0.0	
BioRetention	1.002	0.0	
S2	1.003	0.0	
S4	1.005	0.0	0.0

Results for 30 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	S3	14	9.690	0.150	0.7	0.0357	0.0000	SURCHARGED
15 minute summer	225 Drain	16	9.526	0.016	0.3	0.0000	0.0000	OK
15 minute summer	RE1	1	9.870	0.000	0.0	0.0000	0.0000	OK
15 minute summer	S1	10	9.810	0.040	1.6	0.0031	0.0000	OK
15 minute summer	BioRetention	14	9.690	0.140	1.6	0.0923	0.0000	SURCHARGED
15 minute summer	S2	14	9.690	0.145	1.2	0.0231	0.0000	SURCHARGED
15 minute summer	S4	16	9.547	0.017	0.3	0.0013	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.3	
RE1	1.000	0.0	
S1	1.001	1.6	
BioRetention	1.002	1.2	
S2	1.003	0.7	
S4	1.005	0.3	0.6

Results for 30 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	S3	15	9.689	0.149	0.6	0.0354	0.0000	SURCHARGED
15 minute winter	225 Drain	16	9.526	0.016	0.3	0.0000	0.0000	OK
15 minute winter	RE1	1	9.870	0.000	0.0	0.0000	0.0000	OK
15 minute winter	S1	10	9.807	0.037	1.4	0.0029	0.0000	OK
15 minute winter	BioRetention	15	9.689	0.139	1.4	0.0914	0.0000	SURCHARGED
15 minute winter	S2	15	9.689	0.144	1.0	0.0228	0.0000	SURCHARGED
15 minute winter	S4	16	9.547	0.017	0.3	0.0013	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.3	
RE1	1.000	0.0	
S1	1.001	1.4	
BioRetention	1.002	1.0	
S2	1.003	0.6	
S4	1.005	0.3	0.6

Results for 30 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	S3	23	9.709	0.169	0.6	0.0402	0.0000	SURCHARGED
30 minute summer	225 Drain	24	9.527	0.017	0.4	0.0000	0.0000	OK
30 minute summer	RE1	1	9.870	0.000	0.0	0.0000	0.0000	OK
30 minute summer	S1	17	9.807	0.037	1.4	0.0029	0.0000	OK
30 minute summer	BioRetention	23	9.709	0.159	1.4	0.1048	0.0000	FLOOD RISK
30 minute summer	S2	23	9.709	0.164	1.0	0.0261	0.0000	SURCHARGED
30 minute summer	S4	24	9.547	0.017	0.4	0.0014	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.4	
RE1	1.000	0.0	
S1	1.001	1.4	
BioRetention	1.002	1.0	
S2	1.003	0.6	
S4	1.005	0.4	0.8

Results for 30 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	S3	24	9.697	0.157	0.5	0.0374	0.0000	SURCHARGED
30 minute winter	225 Drain	25	9.526	0.016	0.3	0.0000	0.0000	OK
30 minute winter	RE1	1	9.870	0.000	0.0	0.0000	0.0000	OK
30 minute winter	S1	17	9.802	0.032	1.1	0.0025	0.0000	OK
30 minute winter	BioRetention	24	9.697	0.147	1.1	0.0969	0.0000	SURCHARGED
30 minute winter	S2	24	9.697	0.152	0.8	0.0242	0.0000	SURCHARGED
30 minute winter	S4	25	9.547	0.017	0.3	0.0013	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.3	
RE1	1.000	0.0	
S1	1.001	1.1	
BioRetention	1.002	0.8	
S2	1.003	0.5	
S4	1.005	0.3	0.8

Results for 30 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	S3	40	9.710	0.170	0.5	0.0406	0.0000	SURCHARGED
60 minute summer	225 Drain	41	9.527	0.017	0.4	0.0000	0.0000	OK
60 minute summer	RE1	1	9.870	0.000	0.0	0.0000	0.0000	OK
60 minute summer	S1	33	9.801	0.031	1.0	0.0024	0.0000	OK
60 minute summer	BioRetention	40	9.711	0.161	1.0	0.1058	0.0000	FLOOD RISK
60 minute summer	S2	40	9.710	0.165	0.8	0.0263	0.0000	SURCHARGED
60 minute summer	S4	41	9.547	0.017	0.4	0.0014	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.4	
RE1	1.000	0.0	
S1	1.001	1.0	
BioRetention	1.002	0.8	
S2	1.003	0.5	
S4	1.005	0.4	1.0

Results for 30 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	S3	42	9.691	0.151	0.4	0.0360	0.0000	SURCHARGED
60 minute winter	225 Drain	43	9.526	0.016	0.3	0.0000	0.0000	OK
60 minute winter	RE1	1	9.870	0.000	0.0	0.0000	0.0000	OK
60 minute winter	S1	34	9.796	0.026	0.7	0.0020	0.0000	OK
60 minute winter	BioRetention	42	9.691	0.141	0.7	0.0931	0.0000	SURCHARGED
60 minute winter	S2	42	9.691	0.146	0.6	0.0232	0.0000	SURCHARGED
60 minute winter	S4	43	9.547	0.017	0.3	0.0013	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.3	
RE1	1.000	0.0	
S1	1.001	0.7	
BioRetention	1.002	0.6	
S2	1.003	0.4	
S4	1.005	0.3	1.0

Results for 30 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	S3	72	9.679	0.139	0.4	0.0330	0.0000	SURCHARGED
120 minute summer	225 Drain	74	9.526	0.016	0.3	0.0000	0.0000	OK
120 minute summer	RE1	2	9.870	0.000	0.0	0.0000	0.0000	OK
120 minute summer	S1	62	9.795	0.025	0.7	0.0020	0.0000	OK
120 minute summer	BioRetention	72	9.679	0.129	0.7	0.0848	0.0000	SURCHARGED
120 minute summer	S2	72	9.679	0.134	0.5	0.0212	0.0000	SURCHARGED
120 minute summer	S4	74	9.546	0.016	0.3	0.0013	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.3	
RE1	1.000	0.0	
S1	1.001	0.7	
BioRetention	1.002	0.5	
S2	1.003	0.4	
S4	1.005	0.3	1.3

Results for 30 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	S3	78	9.653	0.113	0.3	0.0270	0.0000	SURCHARGED
120 minute winter	225 Drain	80	9.525	0.015	0.3	0.0000	0.0000	OK
120 minute winter	RE1	2	9.870	0.000	0.0	0.0000	0.0000	OK
120 minute winter	S1	60	9.789	0.019	0.4	0.0015	0.0000	OK
120 minute winter	BioRetention	78	9.653	0.103	0.4	0.0681	0.0000	SURCHARGED
120 minute winter	S2	78	9.653	0.108	0.4	0.0172	0.0000	SURCHARGED
120 minute winter	S4	80	9.546	0.016	0.3	0.0012	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.3	
RE1	1.000	0.0	
S1	1.001	0.4	
BioRetention	1.002	0.4	
S2	1.003	0.3	
S4	1.005	0.3	1.3

Results for 30 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	S3	104	9.657	0.117	0.3	0.0279	0.0000	SURCHARGED
180 minute summer	225 Drain	104	9.525	0.015	0.3	0.0000	0.0000	OK
180 minute summer	RE1	4	9.870	0.000	0.0	0.0000	0.0000	OK
180 minute summer	S1	92	9.791	0.021	0.5	0.0016	0.0000	OK
180 minute summer	BioRetention	104	9.657	0.107	0.5	0.0706	0.0000	SURCHARGED
180 minute summer	S2	104	9.657	0.112	0.4	0.0178	0.0000	SURCHARGED
180 minute summer	S4	104	9.546	0.016	0.3	0.0012	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.3	
RE1	1.000	0.0	
S1	1.001	0.5	
BioRetention	1.002	0.4	
S2	1.003	0.3	
S4	1.005	0.3	1.4

Results for 30 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	S3	112	9.633	0.093	0.3	0.0222	0.0000	OK
180 minute winter	225 Drain	112	9.524	0.014	0.3	0.0000	0.0000	OK
180 minute winter	RE1	4	9.870	0.000	0.0	0.0000	0.0000	OK
180 minute winter	S1	84	9.786	0.016	0.3	0.0013	0.0000	OK
180 minute winter	BioRetention	112	9.633	0.083	0.3	0.0550	0.0000	OK
180 minute winter	S2	112	9.633	0.088	0.3	0.0141	0.0000	OK
180 minute winter	S4	112	9.545	0.015	0.3	0.0012	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.3	
RE1	1.000	0.0	
S1	1.001	0.3	
BioRetention	1.002	0.3	
S2	1.003	0.3	
S4	1.005	0.3	1.5

Results for 30 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	S3	136	9.640	0.100	0.3	0.0237	0.0000	OK
240 minute summer	225 Drain	140	9.524	0.014	0.3	0.0000	0.0000	OK
240 minute summer	RE1	4	9.870	0.000	0.0	0.0000	0.0000	OK
240 minute summer	S1	124	9.789	0.019	0.4	0.0015	0.0000	OK
240 minute summer	BioRetention	136	9.640	0.090	0.4	0.0592	0.0000	OK
240 minute summer	S2	136	9.640	0.095	0.3	0.0151	0.0000	OK
240 minute summer	S4	140	9.545	0.015	0.3	0.0012	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.3	
RE1	1.000	0.0	
S1	1.001	0.4	
BioRetention	1.002	0.3	
S2	1.003	0.3	
S4	1.005	0.3	1.4

Results for 30 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	S3	132	9.617	0.077	0.3	0.0182	0.0000	OK
240 minute winter	225 Drain	132	9.523	0.013	0.2	0.0000	0.0000	OK
240 minute winter	RE1	4	9.870	0.000	0.0	0.0000	0.0000	OK
240 minute winter	S1	124	9.786	0.016	0.3	0.0013	0.0000	OK
240 minute winter	BioRetention	132	9.617	0.067	0.3	0.0439	0.0000	OK
240 minute winter	S2	132	9.617	0.072	0.3	0.0114	0.0000	OK
240 minute winter	S4	132	9.544	0.014	0.2	0.0011	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.2	
RE1	1.000	0.0	
S1	1.001	0.3	
BioRetention	1.002	0.3	
S2	1.003	0.3	
S4	1.005	0.2	1.3

Results for 30 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	S3	200	9.622	0.082	0.3	0.0195	0.0000	OK
360 minute summer	225 Drain	200	9.524	0.014	0.2	0.0000	0.0000	OK
360 minute summer	RE1	8	9.870	0.000	0.0	0.0000	0.0000	OK
360 minute summer	S1	184	9.786	0.016	0.3	0.0013	0.0000	OK
360 minute summer	BioRetention	200	9.622	0.072	0.3	0.0476	0.0000	OK
360 minute summer	S2	200	9.622	0.077	0.3	0.0123	0.0000	OK
360 minute summer	S4	200	9.544	0.014	0.2	0.0011	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.2	
RE1	1.000	0.0	
S1	1.001	0.3	
BioRetention	1.002	0.3	
S2	1.003	0.3	
S4	1.005	0.2	1.3

Results for 30 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	S3	208	9.596	0.056	0.2	0.0134	0.0000	OK
360 minute winter	225 Drain	208	9.522	0.012	0.2	0.0000	0.0000	OK
360 minute winter	RE1	8	9.870	0.000	0.0	0.0000	0.0000	OK
360 minute winter	S1	168	9.783	0.013	0.2	0.0010	0.0000	OK
360 minute winter	BioRetention	208	9.596	0.046	0.2	0.0306	0.0000	OK
360 minute winter	S2	208	9.596	0.051	0.2	0.0082	0.0000	OK
360 minute winter	S4	208	9.543	0.013	0.2	0.0010	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.2	
RE1	1.000	0.0	
S1	1.001	0.2	
BioRetention	1.002	0.2	
S2	1.003	0.2	
S4	1.005	0.2	1.3

Results for 30 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	S3	264	9.595	0.055	0.2	0.0130	0.0000	OK
480 minute summer	225 Drain	264	9.522	0.012	0.2	0.0000	0.0000	OK
480 minute summer	RE1	8	9.870	0.000	0.0	0.0000	0.0000	OK
480 minute summer	S1	232	9.783	0.013	0.2	0.0010	0.0000	OK
480 minute summer	BioRetention	264	9.595	0.045	0.2	0.0296	0.0000	OK
480 minute summer	S2	264	9.595	0.050	0.2	0.0079	0.0000	OK
480 minute summer	S4	264	9.543	0.013	0.2	0.0010	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.2	
RE1	1.000	0.0	
S1	1.001	0.2	
BioRetention	1.002	0.2	
S2	1.003	0.2	
S4	1.005	0.2	1.2

Results for 30 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	S3	256	9.579	0.039	0.2	0.0092	0.0000	OK
480 minute winter	225 Drain	256	9.521	0.011	0.2	0.0000	0.0000	OK
480 minute winter	RE1	8	9.870	0.000	0.0	0.0000	0.0000	OK
480 minute winter	S1	248	9.783	0.013	0.2	0.0010	0.0000	OK
480 minute winter	BioRetention	256	9.579	0.029	0.2	0.0191	0.0000	OK
480 minute winter	S2	256	9.579	0.034	0.2	0.0054	0.0000	OK
480 minute winter	S4	256	9.541	0.011	0.2	0.0009	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.2	
RE1	1.000	0.0	
S1	1.001	0.2	
BioRetention	1.002	0.2	
S2	1.003	0.2	
S4	1.005	0.2	1.3

Results for 30 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	S3	315	9.586	0.046	0.2	0.0110	0.0000	OK
600 minute summer	225 Drain	315	9.521	0.011	0.2	0.0000	0.0000	OK
600 minute summer	RE1	15	9.870	0.000	0.0	0.0000	0.0000	OK
600 minute summer	S1	315	9.783	0.013	0.2	0.0010	0.0000	OK
600 minute summer	BioRetention	315	9.586	0.036	0.2	0.0239	0.0000	OK
600 minute summer	S2	315	9.586	0.041	0.2	0.0065	0.0000	OK
600 minute summer	S4	315	9.542	0.012	0.2	0.0009	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.2	
RE1	1.000	0.0	
S1	1.001	0.2	
BioRetention	1.002	0.2	
S2	1.003	0.2	
S4	1.005	0.2	1.2

Results for 30 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	S3	375	9.562	0.022	0.1	0.0053	0.0000	OK
600 minute winter	225 Drain	345	9.519	0.009	0.1	0.0000	0.0000	OK
600 minute winter	RE1	15	9.870	0.000	0.0	0.0000	0.0000	OK
600 minute winter	S1	210	9.779	0.009	0.1	0.0007	0.0000	OK
600 minute winter	BioRetention	375	9.563	0.013	0.1	0.0088	0.0000	OK
600 minute winter	S2	375	9.563	0.018	0.1	0.0028	0.0000	OK
600 minute winter	S4	360	9.539	0.009	0.1	0.0007	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.1	
RE1	1.000	0.0	
S1	1.001	0.1	
BioRetention	1.002	0.1	
S2	1.003	0.1	
S4	1.005	0.1	1.4

Results for 30 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	S3	375	9.586	0.046	0.2	0.0110	0.0000	OK
720 minute summer	225 Drain	375	9.521	0.011	0.2	0.0000	0.0000	OK
720 minute summer	RE1	15	9.870	0.000	0.0	0.0000	0.0000	OK
720 minute summer	S1	375	9.783	0.013	0.2	0.0010	0.0000	OK
720 minute summer	BioRetention	375	9.586	0.036	0.2	0.0239	0.0000	OK
720 minute summer	S2	375	9.586	0.041	0.2	0.0065	0.0000	OK
720 minute summer	S4	375	9.542	0.012	0.2	0.0009	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.2	
RE1	1.000	0.0	
S1	1.001	0.2	
BioRetention	1.002	0.2	
S2	1.003	0.2	
S4	1.005	0.2	1.2

Results for 30 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	S3	435	9.562	0.022	0.1	0.0053	0.0000	OK
720 minute winter	225 Drain	405	9.519	0.009	0.1	0.0000	0.0000	OK
720 minute winter	RE1	15	9.870	0.000	0.0	0.0000	0.0000	OK
720 minute winter	S1	270	9.779	0.009	0.1	0.0007	0.0000	OK
720 minute winter	BioRetention	435	9.563	0.013	0.1	0.0088	0.0000	OK
720 minute winter	S2	435	9.563	0.018	0.1	0.0028	0.0000	OK
720 minute winter	S4	420	9.539	0.009	0.1	0.0007	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.1	
RE1	1.000	0.0	
S1	1.001	0.1	
BioRetention	1.002	0.1	
S2	1.003	0.1	
S4	1.005	0.1	1.4

Results for 30 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	S3	570	9.562	0.022	0.1	0.0053	0.0000	OK
960 minute summer	225 Drain	540	9.519	0.009	0.1	0.0000	0.0000	OK
960 minute summer	RE1	15	9.870	0.000	0.0	0.0000	0.0000	OK
960 minute summer	S1	405	9.779	0.009	0.1	0.0007	0.0000	OK
960 minute summer	BioRetention	570	9.563	0.013	0.1	0.0088	0.0000	OK
960 minute summer	S2	570	9.563	0.018	0.1	0.0028	0.0000	OK
960 minute summer	S4	555	9.539	0.009	0.1	0.0007	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.1	
RE1	1.000	0.0	
S1	1.001	0.1	
BioRetention	1.002	0.1	
S2	1.003	0.1	
S4	1.005	0.1	1.2

Results for 30 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	S3	540	9.562	0.022	0.1	0.0053	0.0000	OK
960 minute winter	225 Drain	510	9.519	0.009	0.1	0.0000	0.0000	OK
960 minute winter	RE1	15	9.870	0.000	0.0	0.0000	0.0000	OK
960 minute winter	S1	375	9.779	0.009	0.1	0.0007	0.0000	OK
960 minute winter	BioRetention	540	9.563	0.013	0.1	0.0088	0.0000	OK
960 minute winter	S2	540	9.563	0.018	0.1	0.0028	0.0000	OK
960 minute winter	S4	525	9.539	0.009	0.1	0.0007	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.1	
RE1	1.000	0.0	
S1	1.001	0.1	
BioRetention	1.002	0.1	
S2	1.003	0.1	
S4	1.005	0.1	1.6

Results for 30 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	S3	810	9.562	0.022	0.1	0.0053	0.0000	OK
1440 minute summer	225 Drain	780	9.519	0.009	0.1	0.0000	0.0000	OK
1440 minute summer	RE1	30	9.870	0.000	0.0	0.0000	0.0000	OK
1440 minute summer	S1	660	9.779	0.009	0.1	0.0007	0.0000	OK
1440 minute summer	BioRetention	810	9.563	0.013	0.1	0.0088	0.0000	OK
1440 minute summer	S2	810	9.563	0.018	0.1	0.0028	0.0000	OK
1440 minute summer	S4	810	9.539	0.009	0.1	0.0007	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.1	
RE1	1.000	0.0	
S1	1.001	0.1	
BioRetention	1.002	0.1	
S2	1.003	0.1	
S4	1.005	0.1	1.5

Results for 30 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	S3	810	9.562	0.022	0.1	0.0053	0.0000	OK
1440 minute winter	225 Drain	780	9.519	0.009	0.1	0.0000	0.0000	OK
1440 minute winter	RE1	30	9.870	0.000	0.0	0.0000	0.0000	OK
1440 minute winter	S1	660	9.779	0.009	0.1	0.0007	0.0000	OK
1440 minute winter	BioRetention	810	9.563	0.013	0.1	0.0088	0.0000	OK
1440 minute winter	S2	810	9.563	0.018	0.1	0.0028	0.0000	OK
1440 minute winter	S4	810	9.539	0.009	0.1	0.0007	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.1	
RE1	1.000	0.0	
S1	1.001	0.1	
BioRetention	1.002	0.1	
S2	1.003	0.1	
S4	1.005	0.1	1.5

Results for 30 year +45% 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	S3	15	9.763	0.223	1.0	0.0530	0.0000	SURCHARGED
15 minute summer	225 Drain	16	9.528	0.018	0.4	0.0000	0.0000	OK
15 minute summer	RE1	1	9.870	0.000	0.0	0.0000	0.0000	OK
15 minute summer	S1	10	9.819	0.049	2.3	0.0039	0.0000	OK
15 minute summer	BioRetention	15	9.763	0.213	2.3	0.1404	0.0000	FLOOD RISK
15 minute summer	S2	15	9.763	0.218	1.6	0.0347	0.0000	SURCHARGED
15 minute summer	S4	16	9.549	0.019	0.4	0.0015	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.4	
RE1	1.000	0.0	
S1	1.001	2.3	
BioRetention	1.002	1.6	
S2	1.003	1.0	
S4	1.005	0.4	0.9

Results for 30 year +45% 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	S3	15	9.759	0.219	0.9	0.0521	0.0000	SURCHARGED
15 minute winter	225 Drain	16	9.528	0.018	0.4	0.0000	0.0000	OK
15 minute winter	RE1	1	9.870	0.000	0.0	0.0000	0.0000	OK
15 minute winter	S1	10	9.816	0.046	2.0	0.0036	0.0000	OK
15 minute winter	BioRetention	15	9.759	0.209	2.0	0.1377	0.0000	FLOOD RISK
15 minute winter	S2	15	9.759	0.214	1.4	0.0340	0.0000	SURCHARGED
15 minute winter	S4	16	9.549	0.019	0.4	0.0015	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.4	
RE1	1.000	0.0	
S1	1.001	2.0	
BioRetention	1.002	1.4	
S2	1.003	0.9	
S4	1.005	0.4	0.9

Results for 30 year +45% 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	S3	24	9.789	0.249	0.9	0.0593	0.0000	SURCHARGED
30 minute summer	225 Drain	25	9.528	0.018	0.4	0.0000	0.0000	OK
30 minute summer	RE1	1	9.870	0.000	0.0	0.0000	0.0000	OK
30 minute summer	S1	17	9.815	0.045	2.0	0.0035	0.0000	OK
30 minute summer	BioRetention	24	9.789	0.239	2.0	0.1576	0.0000	FLOOD RISK
30 minute summer	S2	24	9.789	0.244	1.4	0.0388	0.0000	SURCHARGED
30 minute summer	S4	25	9.549	0.019	0.4	0.0015	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.4	
RE1	1.000	0.0	
S1	1.001	2.0	
BioRetention	1.002	1.4	
S2	1.003	0.9	
S4	1.005	0.4	1.2

Results for 30 year +45% 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	S3	25	9.787	0.247	0.7	0.0588	0.0000	SURCHARGED
30 minute winter	225 Drain	26	9.528	0.018	0.4	0.0000	0.0000	OK
30 minute winter	RE1	1	9.870	0.000	0.0	0.0000	0.0000	OK
30 minute winter	S1	18	9.809	0.039	1.5	0.0030	0.0000	OK
30 minute winter	BioRetention	25	9.787	0.237	1.5	0.1565	0.0000	FLOOD RISK
30 minute winter	S2	25	9.787	0.242	1.1	0.0385	0.0000	SURCHARGED
30 minute winter	S4	26	9.549	0.019	0.4	0.0015	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.4	
RE1	1.000	0.0	
S1	1.001	1.5	
BioRetention	1.002	1.1	
S2	1.003	0.7	
S4	1.005	0.4	1.2

Results for 30 year +45% 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	S3	41	9.796	0.256	0.7	0.0610	0.0000	SURCHARGED
60 minute summer	225 Drain	41	9.528	0.018	0.4	0.0000	0.0000	OK
60 minute summer	RE1	1	9.870	0.000	0.0	0.0000	0.0000	OK
60 minute summer	S1	32	9.808	0.038	1.5	0.0030	0.0000	OK
60 minute summer	BioRetention	41	9.796	0.246	1.5	0.1623	0.0000	FLOOD RISK
60 minute summer	S2	41	9.796	0.251	1.1	0.0399	0.0000	SURCHARGED
60 minute summer	S4	41	9.550	0.020	0.4	0.0015	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.4	
RE1	1.000	0.0	
S1	1.001	1.5	
BioRetention	1.002	1.1	
S2	1.003	0.7	
S4	1.005	0.4	1.5

Results for 30 year +45% 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	S3	43	9.782	0.242	0.6	0.0576	0.0000	SURCHARGED
60 minute winter	225 Drain	44	9.528	0.018	0.4	0.0000	0.0000	OK
60 minute winter	RE1	1	9.870	0.000	0.0	0.0000	0.0000	OK
60 minute winter	S1	34	9.801	0.031	1.0	0.0024	0.0000	OK
60 minute winter	BioRetention	43	9.782	0.232	1.0	0.1531	0.0000	FLOOD RISK
60 minute winter	S2	43	9.782	0.237	0.8	0.0377	0.0000	SURCHARGED
60 minute winter	S4	44	9.549	0.019	0.4	0.0015	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.4	
RE1	1.000	0.0	
S1	1.001	1.0	
BioRetention	1.002	0.8	
S2	1.003	0.6	
S4	1.005	0.4	1.5

Results for 30 year +45% 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	S3	74	9.770	0.230	0.6	0.0548	0.0000	SURCHARGED
120 minute summer	225 Drain	74	9.528	0.018	0.4	0.0000	0.0000	OK
120 minute summer	RE1	2	9.870	0.000	0.0	0.0000	0.0000	OK
120 minute summer	S1	62	9.801	0.031	1.0	0.0024	0.0000	OK
120 minute summer	BioRetention	74	9.770	0.220	1.0	0.1452	0.0000	FLOOD RISK
120 minute summer	S2	74	9.770	0.225	0.8	0.0358	0.0000	SURCHARGED
120 minute summer	S4	74	9.549	0.019	0.4	0.0015	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.4	
RE1	1.000	0.0	
S1	1.001	1.0	
BioRetention	1.002	0.8	
S2	1.003	0.6	
S4	1.005	0.4	1.8

Results for 30 year +45% 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	S3	78	9.732	0.192	0.4	0.0457	0.0000	SURCHARGED
120 minute winter	225 Drain	80	9.527	0.017	0.4	0.0000	0.0000	OK
120 minute winter	RE1	2	9.870	0.000	0.0	0.0000	0.0000	OK
120 minute winter	S1	62	9.794	0.024	0.6	0.0018	0.0000	OK
120 minute winter	BioRetention	78	9.732	0.182	0.6	0.1202	0.0000	FLOOD RISK
120 minute winter	S2	78	9.732	0.187	0.5	0.0298	0.0000	SURCHARGED
120 minute winter	S4	80	9.548	0.018	0.4	0.0014	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.4	
RE1	1.000	0.0	
S1	1.001	0.6	
BioRetention	1.002	0.5	
S2	1.003	0.4	
S4	1.005	0.4	1.8

Results for 30 year +45% 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	S3	104	9.721	0.181	0.4	0.0430	0.0000	SURCHARGED
180 minute summer	225 Drain	108	9.527	0.017	0.4	0.0000	0.0000	OK
180 minute summer	RE1	4	9.870	0.000	0.0	0.0000	0.0000	OK
180 minute summer	S1	92	9.795	0.025	0.7	0.0020	0.0000	OK
180 minute summer	BioRetention	104	9.721	0.171	0.7	0.1126	0.0000	FLOOD RISK
180 minute summer	S2	104	9.721	0.176	0.6	0.0279	0.0000	SURCHARGED
180 minute summer	S4	108	9.548	0.018	0.4	0.0014	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.4	
RE1	1.000	0.0	
S1	1.001	0.7	
BioRetention	1.002	0.6	
S2	1.003	0.4	
S4	1.005	0.4	2.1

Results for 30 year +45% 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	S3	112	9.699	0.159	0.4	0.0378	0.0000	SURCHARGED
180 minute winter	225 Drain	112	9.526	0.016	0.3	0.0000	0.0000	OK
180 minute winter	RE1	4	9.870	0.000	0.0	0.0000	0.0000	OK
180 minute winter	S1	96	9.791	0.021	0.5	0.0017	0.0000	OK
180 minute winter	BioRetention	112	9.699	0.149	0.5	0.0983	0.0000	SURCHARGED
180 minute winter	S2	112	9.699	0.154	0.4	0.0245	0.0000	SURCHARGED
180 minute winter	S4	112	9.547	0.017	0.3	0.0013	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.3	
RE1	1.000	0.0	
S1	1.001	0.5	
BioRetention	1.002	0.4	
S2	1.003	0.4	
S4	1.005	0.3	2.0

Results for 30 year +45% 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	S3	140	9.710	0.170	0.4	0.0404	0.0000	SURCHARGED
240 minute summer	225 Drain	140	9.527	0.017	0.4	0.0000	0.0000	OK
240 minute summer	RE1	4	9.870	0.000	0.0	0.0000	0.0000	OK
240 minute summer	S1	124	9.794	0.024	0.6	0.0018	0.0000	OK
240 minute summer	BioRetention	140	9.710	0.160	0.6	0.1053	0.0000	FLOOD RISK
240 minute summer	S2	140	9.710	0.165	0.5	0.0262	0.0000	SURCHARGED
240 minute summer	S4	140	9.547	0.017	0.4	0.0014	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.4	
RE1	1.000	0.0	
S1	1.001	0.6	
BioRetention	1.002	0.5	
S2	1.003	0.4	
S4	1.005	0.4	2.4

Results for 30 year +45% 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	S3	136	9.673	0.133	0.3	0.0316	0.0000	SURCHARGED
240 minute winter	225 Drain	136	9.525	0.015	0.3	0.0000	0.0000	OK
240 minute winter	RE1	4	9.870	0.000	0.0	0.0000	0.0000	OK
240 minute winter	S1	120	9.789	0.019	0.4	0.0015	0.0000	OK
240 minute winter	BioRetention	136	9.673	0.123	0.4	0.0811	0.0000	SURCHARGED
240 minute winter	S2	136	9.673	0.128	0.4	0.0203	0.0000	SURCHARGED
240 minute winter	S4	136	9.546	0.016	0.3	0.0013	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.3	
RE1	1.000	0.0	
S1	1.001	0.4	
BioRetention	1.002	0.4	
S2	1.003	0.3	
S4	1.005	0.3	2.3

Results for 30 year +45% 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	S3	200	9.668	0.128	0.3	0.0304	0.0000	SURCHARGED
360 minute summer	225 Drain	200	9.525	0.015	0.3	0.0000	0.0000	OK
360 minute summer	RE1	8	9.870	0.000	0.0	0.0000	0.0000	OK
360 minute summer	S1	184	9.789	0.019	0.4	0.0015	0.0000	OK
360 minute summer	BioRetention	200	9.668	0.118	0.4	0.0778	0.0000	SURCHARGED
360 minute summer	S2	200	9.668	0.123	0.4	0.0196	0.0000	SURCHARGED
360 minute summer	S4	200	9.546	0.016	0.3	0.0013	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.3	
RE1	1.000	0.0	
S1	1.001	0.4	
BioRetention	1.002	0.4	
S2	1.003	0.3	
S4	1.005	0.3	2.2

Results for 30 year +45% 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	S3	200	9.638	0.098	0.3	0.0234	0.0000	OK
360 minute winter	225 Drain	208	9.524	0.014	0.3	0.0000	0.0000	OK
360 minute winter	RE1	8	9.870	0.000	0.0	0.0000	0.0000	OK
360 minute winter	S1	176	9.786	0.016	0.3	0.0013	0.0000	OK
360 minute winter	BioRetention	200	9.638	0.088	0.3	0.0582	0.0000	OK
360 minute winter	S2	200	9.638	0.093	0.3	0.0148	0.0000	OK
360 minute winter	S4	208	9.545	0.015	0.3	0.0012	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.3	
RE1	1.000	0.0	
S1	1.001	0.3	
BioRetention	1.002	0.3	
S2	1.003	0.3	
S4	1.005	0.3	2.3

Results for 30 year +45% 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	S3	256	9.632	0.092	0.3	0.0219	0.0000	OK
480 minute summer	225 Drain	264	9.524	0.014	0.3	0.0000	0.0000	OK
480 minute summer	RE1	8	9.870	0.000	0.0	0.0000	0.0000	OK
480 minute summer	S1	240	9.786	0.016	0.3	0.0013	0.0000	OK
480 minute summer	BioRetention	256	9.632	0.082	0.3	0.0540	0.0000	OK
480 minute summer	S2	256	9.632	0.087	0.3	0.0138	0.0000	OK
480 minute summer	S4	264	9.545	0.015	0.3	0.0011	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.3	
RE1	1.000	0.0	
S1	1.001	0.3	
BioRetention	1.002	0.3	
S2	1.003	0.3	
S4	1.005	0.3	2.1

Results for 30 year +45% 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	S3	296	9.600	0.060	0.2	0.0143	0.0000	OK
480 minute winter	225 Drain	296	9.522	0.012	0.2	0.0000	0.0000	OK
480 minute winter	RE1	8	9.870	0.000	0.0	0.0000	0.0000	OK
480 minute winter	S1	200	9.783	0.013	0.2	0.0010	0.0000	OK
480 minute winter	BioRetention	296	9.600	0.050	0.2	0.0331	0.0000	OK
480 minute winter	S2	296	9.600	0.055	0.2	0.0088	0.0000	OK
480 minute winter	S4	296	9.543	0.013	0.2	0.0010	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.2	
RE1	1.000	0.0	
S1	1.001	0.2	
BioRetention	1.002	0.2	
S2	1.003	0.2	
S4	1.005	0.2	2.2

Results for 30 year +45% 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	S3	330	9.627	0.087	0.3	0.0207	0.0000	OK
600 minute summer	225 Drain	330	9.524	0.014	0.2	0.0000	0.0000	OK
600 minute summer	RE1	15	9.870	0.000	0.0	0.0000	0.0000	OK
600 minute summer	S1	315	9.786	0.016	0.3	0.0013	0.0000	OK
600 minute summer	BioRetention	330	9.627	0.077	0.3	0.0506	0.0000	OK
600 minute summer	S2	330	9.627	0.082	0.3	0.0130	0.0000	OK
600 minute summer	S4	330	9.544	0.014	0.2	0.0011	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.2	
RE1	1.000	0.0	
S1	1.001	0.3	
BioRetention	1.002	0.3	
S2	1.003	0.3	
S4	1.005	0.2	2.1

Results for 30 year +45% 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	S3	345	9.599	0.059	0.2	0.0141	0.0000	OK
600 minute winter	225 Drain	345	9.522	0.012	0.2	0.0000	0.0000	OK
600 minute winter	RE1	15	9.870	0.000	0.0	0.0000	0.0000	OK
600 minute winter	S1	285	9.783	0.013	0.2	0.0010	0.0000	OK
600 minute winter	BioRetention	345	9.599	0.049	0.2	0.0326	0.0000	OK
600 minute winter	S2	345	9.599	0.054	0.2	0.0086	0.0000	OK
600 minute winter	S4	345	9.543	0.013	0.2	0.0010	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.2	
RE1	1.000	0.0	
S1	1.001	0.2	
BioRetention	1.002	0.2	
S2	1.003	0.2	
S4	1.005	0.2	2.1

Results for 30 year +45% 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	S3	405	9.599	0.059	0.2	0.0141	0.0000	OK
720 minute summer	225 Drain	405	9.522	0.012	0.2	0.0000	0.0000	OK
720 minute summer	RE1	15	9.870	0.000	0.0	0.0000	0.0000	OK
720 minute summer	S1	345	9.783	0.013	0.2	0.0010	0.0000	OK
720 minute summer	BioRetention	405	9.599	0.049	0.2	0.0326	0.0000	OK
720 minute summer	S2	405	9.599	0.054	0.2	0.0086	0.0000	OK
720 minute summer	S4	405	9.543	0.013	0.2	0.0010	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.2	
RE1	1.000	0.0	
S1	1.001	0.2	
BioRetention	1.002	0.2	
S2	1.003	0.2	
S4	1.005	0.2	2.0

Results for 30 year +45% 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	S3	375	9.586	0.046	0.2	0.0110	0.0000	OK
720 minute winter	225 Drain	375	9.521	0.011	0.2	0.0000	0.0000	OK
720 minute winter	RE1	15	9.870	0.000	0.0	0.0000	0.0000	OK
720 minute winter	S1	375	9.783	0.013	0.2	0.0010	0.0000	OK
720 minute winter	BioRetention	375	9.586	0.036	0.2	0.0239	0.0000	OK
720 minute winter	S2	375	9.586	0.041	0.2	0.0065	0.0000	OK
720 minute winter	S4	375	9.542	0.012	0.2	0.0009	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.2	
RE1	1.000	0.0	
S1	1.001	0.2	
BioRetention	1.002	0.2	
S2	1.003	0.2	
S4	1.005	0.2	2.0

Results for 30 year +45% 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	S3	510	9.596	0.056	0.2	0.0134	0.0000	OK
960 minute summer	225 Drain	510	9.522	0.012	0.2	0.0000	0.0000	OK
960 minute summer	RE1	15	9.870	0.000	0.0	0.0000	0.0000	OK
960 minute summer	S1	480	9.783	0.013	0.2	0.0010	0.0000	OK
960 minute summer	BioRetention	510	9.596	0.046	0.2	0.0306	0.0000	OK
960 minute summer	S2	510	9.596	0.051	0.2	0.0082	0.0000	OK
960 minute summer	S4	510	9.543	0.013	0.2	0.0010	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.2	
RE1	1.000	0.0	
S1	1.001	0.2	
BioRetention	1.002	0.2	
S2	1.003	0.2	
S4	1.005	0.2	2.0

Results for 30 year +45% 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	S3	495	9.562	0.022	0.1	0.0053	0.0000	OK
960 minute winter	225 Drain	465	9.519	0.009	0.1	0.0000	0.0000	OK
960 minute winter	RE1	15	9.870	0.000	0.0	0.0000	0.0000	OK
960 minute winter	S1	330	9.779	0.009	0.1	0.0007	0.0000	OK
960 minute winter	BioRetention	495	9.563	0.013	0.1	0.0088	0.0000	OK
960 minute winter	S2	495	9.563	0.018	0.1	0.0028	0.0000	OK
960 minute winter	S4	480	9.539	0.009	0.1	0.0007	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.1	
RE1	1.000	0.0	
S1	1.001	0.1	
BioRetention	1.002	0.1	
S2	1.003	0.1	
S4	1.005	0.1	2.1

Results for 30 year +45% 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	S3	780	9.562	0.022	0.1	0.0053	0.0000	OK
1440 minute summer	225 Drain	750	9.519	0.009	0.1	0.0000	0.0000	OK
1440 minute summer	RE1	30	9.870	0.000	0.0	0.0000	0.0000	OK
1440 minute summer	S1	630	9.779	0.009	0.1	0.0007	0.0000	OK
1440 minute summer	BioRetention	780	9.563	0.013	0.1	0.0088	0.0000	OK
1440 minute summer	S2	780	9.563	0.018	0.1	0.0028	0.0000	OK
1440 minute summer	S4	780	9.539	0.009	0.1	0.0007	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.1	
RE1	1.000	0.0	
S1	1.001	0.1	
BioRetention	1.002	0.1	
S2	1.003	0.1	
S4	1.005	0.1	1.8

Results for 30 year +45% 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	S3	720	9.562	0.022	0.1	0.0053	0.0000	OK
1440 minute winter	225 Drain	690	9.519	0.009	0.1	0.0000	0.0000	OK
1440 minute winter	RE1	30	9.870	0.000	0.0	0.0000	0.0000	OK
1440 minute winter	S1	570	9.779	0.009	0.1	0.0007	0.0000	OK
1440 minute winter	BioRetention	720	9.563	0.013	0.1	0.0088	0.0000	OK
1440 minute winter	S2	720	9.563	0.018	0.1	0.0028	0.0000	OK
1440 minute winter	S4	720	9.539	0.009	0.1	0.0007	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.1	
RE1	1.000	0.0	
S1	1.001	0.1	
BioRetention	1.002	0.1	
S2	1.003	0.1	
S4	1.005	0.1	2.5

Results for 100 year +10% A 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	S3	15	9.752	0.212	0.9	0.0505	0.0000	SURCHARGED
15 minute summer	225 Drain	16	9.528	0.018	0.4	0.0000	0.0000	OK
15 minute summer	RE1	1	9.870	0.000	0.0	0.0000	0.0000	OK
15 minute summer	S1	10	9.818	0.048	2.2	0.0038	0.0000	OK
15 minute summer	BioRetention	15	9.752	0.202	2.2	0.1334	0.0000	FLOOD RISK
15 minute summer	S2	15	9.752	0.207	1.6	0.0330	0.0000	SURCHARGED
15 minute summer	S4	16	9.549	0.019	0.4	0.0014	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.4	
RE1	1.000	0.0	
S1	1.001	2.2	
BioRetention	1.002	1.6	
S2	1.003	0.9	
S4	1.005	0.4	0.9

Results for 100 year +10% A 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	S3	16	9.748	0.208	0.8	0.0496	0.0000	SURCHARGED
15 minute winter	225 Drain	16	9.527	0.017	0.4	0.0000	0.0000	OK
15 minute winter	RE1	1	9.870	0.000	0.0	0.0000	0.0000	OK
15 minute winter	S1	10	9.814	0.044	1.9	0.0034	0.0000	OK
15 minute winter	BioRetention	16	9.748	0.198	1.9	0.1307	0.0000	FLOOD RISK
15 minute winter	S2	16	9.748	0.203	1.4	0.0323	0.0000	SURCHARGED
15 minute winter	S4	16	9.548	0.018	0.4	0.0014	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.4	
RE1	1.000	0.0	
S1	1.001	1.9	
BioRetention	1.002	1.4	
S2	1.003	0.8	
S4	1.005	0.4	0.8

Results for 100 year +10% A 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	S3	23	9.780	0.240	0.8	0.0572	0.0000	SURCHARGED
30 minute summer	225 Drain	24	9.528	0.018	0.4	0.0000	0.0000	OK
30 minute summer	RE1	1	9.870	0.000	0.0	0.0000	0.0000	OK
30 minute summer	S1	17	9.814	0.044	1.9	0.0034	0.0000	OK
30 minute summer	BioRetention	23	9.781	0.231	1.9	0.1520	0.0000	FLOOD RISK
30 minute summer	S2	23	9.780	0.235	1.4	0.0374	0.0000	SURCHARGED
30 minute summer	S4	24	9.549	0.019	0.4	0.0015	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.4	
RE1	1.000	0.0	
S1	1.001	1.9	
BioRetention	1.002	1.4	
S2	1.003	0.8	
S4	1.005	0.4	1.1

Results for 100 year +10% A 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	S3	25	9.774	0.234	0.7	0.0557	0.0000	SURCHARGED
30 minute winter	225 Drain	26	9.528	0.018	0.4	0.0000	0.0000	OK
30 minute winter	RE1	1	9.870	0.000	0.0	0.0000	0.0000	OK
30 minute winter	S1	17	9.808	0.038	1.5	0.0030	0.0000	OK
30 minute winter	BioRetention	25	9.774	0.224	1.5	0.1479	0.0000	FLOOD RISK
30 minute winter	S2	25	9.774	0.229	1.1	0.0365	0.0000	SURCHARGED
30 minute winter	S4	26	9.549	0.019	0.4	0.0015	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.4	
RE1	1.000	0.0	
S1	1.001	1.5	
BioRetention	1.002	1.1	
S2	1.003	0.7	
S4	1.005	0.4	1.1

Results for 100 year +10% A 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	S3	41	9.790	0.250	0.7	0.0594	0.0000	SURCHARGED
60 minute summer	225 Drain	42	9.528	0.018	0.4	0.0000	0.0000	OK
60 minute summer	RE1	1	9.870	0.000	0.0	0.0000	0.0000	OK
60 minute summer	S1	33	9.807	0.037	1.4	0.0029	0.0000	OK
60 minute summer	BioRetention	41	9.790	0.240	1.4	0.1580	0.0000	FLOOD RISK
60 minute summer	S2	41	9.790	0.245	1.1	0.0389	0.0000	SURCHARGED
60 minute summer	S4	42	9.549	0.019	0.4	0.0015	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.4	
RE1	1.000	0.0	
S1	1.001	1.4	
BioRetention	1.002	1.1	
S2	1.003	0.7	
S4	1.005	0.4	1.4

Results for 100 year +10% A 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	S3	43	9.776	0.236	0.6	0.0562	0.0000	SURCHARGED
60 minute winter	225 Drain	44	9.528	0.018	0.4	0.0000	0.0000	OK
60 minute winter	RE1	1	9.870	0.000	0.0	0.0000	0.0000	OK
60 minute winter	S1	34	9.801	0.031	1.0	0.0024	0.0000	OK
60 minute winter	BioRetention	43	9.776	0.226	1.0	0.1491	0.0000	FLOOD RISK
60 minute winter	S2	43	9.776	0.231	0.8	0.0368	0.0000	SURCHARGED
60 minute winter	S4	44	9.549	0.019	0.4	0.0015	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.4	
RE1	1.000	0.0	
S1	1.001	1.0	
BioRetention	1.002	0.8	
S2	1.003	0.6	
S4	1.005	0.4	1.5

Results for 100 year +10% A 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	S3	74	9.741	0.201	0.5	0.0479	0.0000	SURCHARGED
120 minute summer	225 Drain	76	9.527	0.017	0.4	0.0000	0.0000	OK
120 minute summer	RE1	2	9.870	0.000	0.0	0.0000	0.0000	OK
120 minute summer	S1	62	9.799	0.029	0.9	0.0023	0.0000	OK
120 minute summer	BioRetention	74	9.742	0.192	0.9	0.1262	0.0000	FLOOD RISK
120 minute summer	S2	74	9.741	0.196	0.7	0.0312	0.0000	SURCHARGED
120 minute summer	S4	76	9.548	0.018	0.4	0.0014	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.4	
RE1	1.000	0.0	
S1	1.001	0.9	
BioRetention	1.002	0.7	
S2	1.003	0.5	
S4	1.005	0.4	1.7

Results for 100 year +10% A 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	S3	78	9.721	0.181	0.4	0.0431	0.0000	SURCHARGED
120 minute winter	225 Drain	80	9.527	0.017	0.4	0.0000	0.0000	OK
120 minute winter	RE1	2	9.870	0.000	0.0	0.0000	0.0000	OK
120 minute winter	S1	64	9.794	0.024	0.6	0.0018	0.0000	OK
120 minute winter	BioRetention	78	9.721	0.171	0.6	0.1128	0.0000	FLOOD RISK
120 minute winter	S2	78	9.721	0.176	0.5	0.0280	0.0000	SURCHARGED
120 minute winter	S4	80	9.548	0.018	0.4	0.0014	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.4	
RE1	1.000	0.0	
S1	1.001	0.6	
BioRetention	1.002	0.5	
S2	1.003	0.4	
S4	1.005	0.4	1.7

Results for 100 year +10% A 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	S3	104	9.721	0.181	0.4	0.0430	0.0000	SURCHARGED
180 minute summer	225 Drain	108	9.527	0.017	0.4	0.0000	0.0000	OK
180 minute summer	RE1	4	9.870	0.000	0.0	0.0000	0.0000	OK
180 minute summer	S1	92	9.795	0.025	0.7	0.0020	0.0000	OK
180 minute summer	BioRetention	104	9.721	0.171	0.7	0.1126	0.0000	FLOOD RISK
180 minute summer	S2	104	9.721	0.176	0.6	0.0279	0.0000	SURCHARGED
180 minute summer	S4	108	9.548	0.018	0.4	0.0014	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.4	
RE1	1.000	0.0	
S1	1.001	0.7	
BioRetention	1.002	0.6	
S2	1.003	0.4	
S4	1.005	0.4	2.1

Results for 100 year +10% A 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	S3	108	9.676	0.136	0.3	0.0323	0.0000	SURCHARGED
180 minute winter	225 Drain	108	9.526	0.016	0.3	0.0000	0.0000	OK
180 minute winter	RE1	4	9.870	0.000	0.0	0.0000	0.0000	OK
180 minute winter	S1	88	9.789	0.019	0.4	0.0015	0.0000	OK
180 minute winter	BioRetention	108	9.676	0.126	0.4	0.0828	0.0000	SURCHARGED
180 minute winter	S2	108	9.676	0.131	0.4	0.0208	0.0000	SURCHARGED
180 minute winter	S4	108	9.546	0.016	0.3	0.0013	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.3	
RE1	1.000	0.0	
S1	1.001	0.4	
BioRetention	1.002	0.4	
S2	1.003	0.3	
S4	1.005	0.3	1.9

Results for 100 year +10% A 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	S3	136	9.690	0.150	0.4	0.0357	0.0000	SURCHARGED
240 minute summer	225 Drain	136	9.526	0.016	0.3	0.0000	0.0000	OK
240 minute summer	RE1	4	9.870	0.000	0.0	0.0000	0.0000	OK
240 minute summer	S1	124	9.791	0.021	0.5	0.0017	0.0000	OK
240 minute summer	BioRetention	136	9.690	0.140	0.5	0.0924	0.0000	SURCHARGED
240 minute summer	S2	136	9.690	0.145	0.4	0.0231	0.0000	SURCHARGED
240 minute summer	S4	136	9.547	0.017	0.3	0.0013	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.3	
RE1	1.000	0.0	
S1	1.001	0.5	
BioRetention	1.002	0.4	
S2	1.003	0.4	
S4	1.005	0.3	2.2

Results for 100 year +10% A 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	S3	144	9.651	0.111	0.3	0.0265	0.0000	SURCHARGED
240 minute winter	225 Drain	144	9.525	0.015	0.3	0.0000	0.0000	OK
240 minute winter	RE1	4	9.870	0.000	0.0	0.0000	0.0000	OK
240 minute winter	S1	124	9.789	0.019	0.4	0.0015	0.0000	OK
240 minute winter	BioRetention	144	9.652	0.102	0.4	0.0669	0.0000	SURCHARGED
240 minute winter	S2	144	9.652	0.107	0.4	0.0169	0.0000	SURCHARGED
240 minute winter	S4	144	9.545	0.015	0.3	0.0012	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.3	
RE1	1.000	0.0	
S1	1.001	0.4	
BioRetention	1.002	0.4	
S2	1.003	0.3	
S4	1.005	0.3	2.2

Results for 100 year +10% A 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	S3	200	9.646	0.106	0.3	0.0251	0.0000	SURCHARGED
360 minute summer	225 Drain	200	9.525	0.015	0.3	0.0000	0.0000	OK
360 minute summer	RE1	8	9.870	0.000	0.0	0.0000	0.0000	OK
360 minute summer	S1	184	9.789	0.019	0.4	0.0015	0.0000	OK
360 minute summer	BioRetention	200	9.646	0.096	0.4	0.0630	0.0000	OK
360 minute summer	S2	200	9.646	0.101	0.3	0.0160	0.0000	SURCHARGED
360 minute summer	S4	200	9.545	0.015	0.3	0.0012	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.3	
RE1	1.000	0.0	
S1	1.001	0.4	
BioRetention	1.002	0.3	
S2	1.003	0.3	
S4	1.005	0.3	1.9

Results for 100 year +10% A 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	S3	200	9.626	0.086	0.3	0.0206	0.0000	OK
360 minute winter	225 Drain	200	9.524	0.014	0.2	0.0000	0.0000	OK
360 minute winter	RE1	8	9.870	0.000	0.0	0.0000	0.0000	OK
360 minute winter	S1	184	9.786	0.016	0.3	0.0013	0.0000	OK
360 minute winter	BioRetention	200	9.626	0.076	0.3	0.0504	0.0000	OK
360 minute winter	S2	200	9.626	0.081	0.3	0.0129	0.0000	OK
360 minute winter	S4	200	9.544	0.014	0.2	0.0011	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.2	
RE1	1.000	0.0	
S1	1.001	0.3	
BioRetention	1.002	0.3	
S2	1.003	0.3	
S4	1.005	0.2	2.1

Results for 100 year +10% A 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	S3	264	9.631	0.091	0.3	0.0216	0.0000	OK
480 minute summer	225 Drain	264	9.524	0.014	0.3	0.0000	0.0000	OK
480 minute summer	RE1	8	9.870	0.000	0.0	0.0000	0.0000	OK
480 minute summer	S1	240	9.786	0.016	0.3	0.0013	0.0000	OK
480 minute summer	BioRetention	264	9.631	0.081	0.3	0.0532	0.0000	OK
480 minute summer	S2	264	9.631	0.086	0.3	0.0136	0.0000	OK
480 minute summer	S4	264	9.545	0.015	0.3	0.0011	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.3	
RE1	1.000	0.0	
S1	1.001	0.3	
BioRetention	1.002	0.3	
S2	1.003	0.3	
S4	1.005	0.3	1.9

Results for 100 year +10% A 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	S3	288	9.600	0.060	0.2	0.0142	0.0000	OK
480 minute winter	225 Drain	288	9.522	0.012	0.2	0.0000	0.0000	OK
480 minute winter	RE1	8	9.870	0.000	0.0	0.0000	0.0000	OK
480 minute winter	S1	208	9.783	0.013	0.2	0.0010	0.0000	OK
480 minute winter	BioRetention	288	9.600	0.050	0.2	0.0328	0.0000	OK
480 minute winter	S2	288	9.600	0.055	0.2	0.0087	0.0000	OK
480 minute winter	S4	288	9.543	0.013	0.2	0.0010	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.2	
RE1	1.000	0.0	
S1	1.001	0.2	
BioRetention	1.002	0.2	
S2	1.003	0.2	
S4	1.005	0.2	2.0

Results for 100 year +10% A 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	S3	345	9.599	0.059	0.2	0.0141	0.0000	OK
600 minute summer	225 Drain	345	9.522	0.012	0.2	0.0000	0.0000	OK
600 minute summer	RE1	15	9.870	0.000	0.0	0.0000	0.0000	OK
600 minute summer	S1	285	9.783	0.013	0.2	0.0010	0.0000	OK
600 minute summer	BioRetention	345	9.599	0.049	0.2	0.0326	0.0000	OK
600 minute summer	S2	345	9.599	0.054	0.2	0.0086	0.0000	OK
600 minute summer	S4	345	9.543	0.013	0.2	0.0010	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.2	
RE1	1.000	0.0	
S1	1.001	0.2	
BioRetention	1.002	0.2	
S2	1.003	0.2	
S4	1.005	0.2	1.8

Results for 100 year +10% A 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	S3	330	9.596	0.056	0.2	0.0134	0.0000	OK
600 minute winter	225 Drain	330	9.522	0.012	0.2	0.0000	0.0000	OK
600 minute winter	RE1	15	9.870	0.000	0.0	0.0000	0.0000	OK
600 minute winter	S1	300	9.783	0.013	0.2	0.0010	0.0000	OK
600 minute winter	BioRetention	330	9.596	0.046	0.2	0.0306	0.0000	OK
600 minute winter	S2	330	9.596	0.051	0.2	0.0082	0.0000	OK
600 minute winter	S4	330	9.543	0.013	0.2	0.0010	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.2	
RE1	1.000	0.0	
S1	1.001	0.2	
BioRetention	1.002	0.2	
S2	1.003	0.2	
S4	1.005	0.2	2.0

Results for 100 year +10% A 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	S3	405	9.599	0.059	0.2	0.0141	0.0000	OK
720 minute summer	225 Drain	405	9.522	0.012	0.2	0.0000	0.0000	OK
720 minute summer	RE1	15	9.870	0.000	0.0	0.0000	0.0000	OK
720 minute summer	S1	345	9.783	0.013	0.2	0.0010	0.0000	OK
720 minute summer	BioRetention	405	9.599	0.049	0.2	0.0326	0.0000	OK
720 minute summer	S2	405	9.599	0.054	0.2	0.0086	0.0000	OK
720 minute summer	S4	405	9.543	0.013	0.2	0.0010	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.2	
RE1	1.000	0.0	
S1	1.001	0.2	
BioRetention	1.002	0.2	
S2	1.003	0.2	
S4	1.005	0.2	2.0

Results for 100 year +10% A 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	S3	405	9.562	0.022	0.1	0.0053	0.0000	OK
720 minute winter	225 Drain	375	9.519	0.009	0.1	0.0000	0.0000	OK
720 minute winter	RE1	15	9.870	0.000	0.0	0.0000	0.0000	OK
720 minute winter	S1	240	9.779	0.009	0.1	0.0007	0.0000	OK
720 minute winter	BioRetention	405	9.563	0.013	0.1	0.0088	0.0000	OK
720 minute winter	S2	405	9.563	0.018	0.1	0.0028	0.0000	OK
720 minute winter	S4	390	9.539	0.009	0.1	0.0007	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.1	
RE1	1.000	0.0	
S1	1.001	0.1	
BioRetention	1.002	0.1	
S2	1.003	0.1	
S4	1.005	0.1	1.8

Results for 100 year +10% A 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	S3	510	9.596	0.056	0.2	0.0134	0.0000	OK
960 minute summer	225 Drain	510	9.522	0.012	0.2	0.0000	0.0000	OK
960 minute summer	RE1	15	9.870	0.000	0.0	0.0000	0.0000	OK
960 minute summer	S1	480	9.783	0.013	0.2	0.0010	0.0000	OK
960 minute summer	BioRetention	510	9.596	0.046	0.2	0.0306	0.0000	OK
960 minute summer	S2	510	9.596	0.051	0.2	0.0082	0.0000	OK
960 minute summer	S4	510	9.543	0.013	0.2	0.0010	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.2	
RE1	1.000	0.0	
S1	1.001	0.2	
BioRetention	1.002	0.2	
S2	1.003	0.2	
S4	1.005	0.2	2.0

Results for 100 year +10% A 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	S3	510	9.562	0.022	0.1	0.0053	0.0000	OK
960 minute winter	225 Drain	480	9.519	0.009	0.1	0.0000	0.0000	OK
960 minute winter	RE1	15	9.870	0.000	0.0	0.0000	0.0000	OK
960 minute winter	S1	345	9.779	0.009	0.1	0.0007	0.0000	OK
960 minute winter	BioRetention	510	9.563	0.013	0.1	0.0088	0.0000	OK
960 minute winter	S2	510	9.563	0.018	0.1	0.0028	0.0000	OK
960 minute winter	S4	495	9.539	0.009	0.1	0.0007	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.1	
RE1	1.000	0.0	
S1	1.001	0.1	
BioRetention	1.002	0.1	
S2	1.003	0.1	
S4	1.005	0.1	2.0

Results for 100 year +10% A 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	S3	780	9.562	0.022	0.1	0.0053	0.0000	OK
1440 minute summer	225 Drain	750	9.519	0.009	0.1	0.0000	0.0000	OK
1440 minute summer	RE1	30	9.870	0.000	0.0	0.0000	0.0000	OK
1440 minute summer	S1	630	9.779	0.009	0.1	0.0007	0.0000	OK
1440 minute summer	BioRetention	780	9.563	0.013	0.1	0.0088	0.0000	OK
1440 minute summer	S2	780	9.563	0.018	0.1	0.0028	0.0000	OK
1440 minute summer	S4	780	9.539	0.009	0.1	0.0007	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.1	
RE1	1.000	0.0	
S1	1.001	0.1	
BioRetention	1.002	0.1	
S2	1.003	0.1	
S4	1.005	0.1	1.8

Results for 100 year +10% A 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	S3	750	9.562	0.022	0.1	0.0053	0.0000	OK
1440 minute winter	225 Drain	720	9.519	0.009	0.1	0.0000	0.0000	OK
1440 minute winter	RE1	30	9.870	0.000	0.0	0.0000	0.0000	OK
1440 minute winter	S1	600	9.779	0.009	0.1	0.0007	0.0000	OK
1440 minute winter	BioRetention	750	9.563	0.013	0.1	0.0088	0.0000	OK
1440 minute winter	S2	750	9.563	0.018	0.1	0.0028	0.0000	OK
1440 minute winter	S4	750	9.539	0.009	0.1	0.0007	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.1	
RE1	1.000	0.0	
S1	1.001	0.1	
BioRetention	1.002	0.1	
S2	1.003	0.1	
S4	1.005	0.1	2.2

Results for 100 year +45% CC +10% A 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	S3	16	9.839	0.299	1.3	0.0712	0.0000	FLOOD RISK
15 minute summer	225 Drain	16	9.529	0.019	0.5	0.0000	0.0000	OK
15 minute summer	RE1	1	9.870	0.000	0.0	0.0000	0.0000	OK
15 minute summer	S1	16	9.839	0.069	3.1	0.0054	0.0000	OK
15 minute summer	BioRetention	16	9.839	0.289	3.1	0.1906	0.0000	FLOOD RISK
15 minute summer	S2	16	9.839	0.294	2.2	0.0468	0.0000	FLOOD RISK
15 minute summer	S4	16	9.550	0.020	0.5	0.0016	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.5	
RE1	1.000	0.0	
S1	1.001	3.1	
BioRetention	1.002	2.2	
S2	1.003	1.3	
S4	1.005	0.5	1.2

Results for 100 year +45% CC +10% A 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	S3	16	9.839	0.299	1.2	0.0711	0.0000	FLOOD RISK
15 minute winter	225 Drain	16	9.529	0.019	0.5	0.0000	0.0000	OK
15 minute winter	RE1	1	9.870	0.000	0.0	0.0000	0.0000	OK
15 minute winter	S1	16	9.839	0.069	2.8	0.0054	0.0000	OK
15 minute winter	BioRetention	16	9.839	0.289	2.8	0.1904	0.0000	FLOOD RISK
15 minute winter	S2	16	9.839	0.294	2.0	0.0467	0.0000	FLOOD RISK
15 minute winter	S4	16	9.550	0.020	0.5	0.0016	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.5	
RE1	1.000	0.0	
S1	1.001	2.8	
BioRetention	1.002	2.0	
S2	1.003	1.2	
S4	1.005	0.5	1.2

Results for 100 year +45% CC +10% A 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	S3	24	9.872	0.332	1.2	0.0790	0.0000	FLOOD RISK
30 minute summer	225 Drain	25	9.530	0.020	0.5	0.0000	0.0000	OK
30 minute summer	RE1	24	9.872	0.002	0.0	0.0001	0.0000	OK
30 minute summer	S1	24	9.873	0.103	2.8	0.0080	0.0000	FLOOD RISK
30 minute summer	BioRetention	24	9.872	0.322	2.8	0.2125	0.0000	FLOOD RISK
30 minute summer	S2	24	9.872	0.327	2.0	0.0520	0.0000	FLOOD RISK
30 minute summer	S4	25	9.551	0.021	0.5	0.0016	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.5	
RE1	1.000	0.0	
S1	1.001	2.8	
BioRetention	1.002	2.0	
S2	1.003	1.2	
S4	1.005	0.5	1.6

Results for 100 year +45% CC +10% A 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	S3	25	9.874	0.334	1.0	0.0795	0.0000	FLOOD RISK
30 minute winter	225 Drain	26	9.530	0.020	0.5	0.0000	0.0000	OK
30 minute winter	RE1	26	9.875	0.005	0.1	0.0001	0.0000	OK
30 minute winter	S1	25	9.875	0.105	2.2	0.0082	0.0000	FLOOD RISK
30 minute winter	BioRetention	25	9.874	0.324	2.2	0.2138	0.0000	FLOOD RISK
30 minute winter	S2	25	9.874	0.329	1.6	0.0524	0.0000	FLOOD RISK
30 minute winter	S4	26	9.551	0.021	0.5	0.0016	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.5	
RE1	1.000	-0.1	
S1	1.001	2.2	
BioRetention	1.002	1.6	
S2	1.003	1.0	
S4	1.005	0.5	1.6

Results for 100 year +45% CC +10% A 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	S3	42	9.887	0.347	1.0	0.0827	0.0000	FLOOD RISK
60 minute summer	225 Drain	43	9.530	0.020	0.5	0.0000	0.0000	OK
60 minute summer	RE1	42	9.888	0.018	0.1	0.0005	0.0000	OK
60 minute summer	S1	42	9.888	0.118	2.1	0.0092	0.0000	FLOOD RISK
60 minute summer	BioRetention	42	9.888	0.338	2.1	0.2226	0.0000	FLOOD RISK
60 minute summer	S2	42	9.888	0.343	1.5	0.0545	0.0000	FLOOD RISK
60 minute summer	S4	43	9.551	0.021	0.5	0.0017	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.5	
RE1	1.000	-0.1	
S1	1.001	2.1	
BioRetention	1.002	1.5	
S2	1.003	1.0	
S4	1.005	0.5	2.1

Results for 100 year +45% CC +10% A 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	S3	44	9.880	0.340	0.8	0.0809	0.0000	FLOOD RISK
60 minute winter	225 Drain	45	9.530	0.020	0.5	0.0000	0.0000	OK
60 minute winter	RE1	44	9.881	0.011	0.1	0.0003	0.0000	OK
60 minute winter	S1	44	9.881	0.111	1.4	0.0086	0.0000	FLOOD RISK
60 minute winter	BioRetention	44	9.880	0.330	1.4	0.2177	0.0000	FLOOD RISK
60 minute winter	S2	44	9.880	0.335	1.1	0.0533	0.0000	FLOOD RISK
60 minute winter	S4	45	9.551	0.021	0.5	0.0016	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.5	
RE1	1.000	-0.1	
S1	1.001	1.4	
BioRetention	1.002	1.1	
S2	1.003	0.8	
S4	1.005	0.5	2.1

Results for 100 year +45% CC +10% A 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	S3	76	9.860	0.320	0.7	0.0763	0.0000	FLOOD RISK
120 minute summer	225 Drain	76	9.530	0.020	0.5	0.0000	0.0000	OK
120 minute summer	RE1	2	9.870	0.000	0.0	0.0000	0.0000	OK
120 minute summer	S1	76	9.861	0.091	1.3	0.0071	0.0000	OK
120 minute summer	BioRetention	76	9.861	0.311	1.3	0.2049	0.0000	FLOOD RISK
120 minute summer	S2	76	9.861	0.316	1.0	0.0502	0.0000	FLOOD RISK
120 minute summer	S4	76	9.551	0.021	0.5	0.0016	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.5	
RE1	1.000	0.0	
S1	1.001	1.3	
BioRetention	1.002	1.0	
S2	1.003	0.7	
S4	1.005	0.5	2.5

Results for 100 year +45% CC +10% A 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	S3	80	9.829	0.289	0.6	0.0688	0.0000	FLOOD RISK
120 minute winter	225 Drain	82	9.529	0.019	0.5	0.0000	0.0000	OK
120 minute winter	RE1	2	9.870	0.000	0.0	0.0000	0.0000	OK
120 minute winter	S1	80	9.829	0.059	0.9	0.0046	0.0000	OK
120 minute winter	BioRetention	80	9.829	0.279	0.9	0.1840	0.0000	FLOOD RISK
120 minute winter	S2	80	9.829	0.284	0.7	0.0452	0.0000	FLOOD RISK
120 minute winter	S4	82	9.550	0.020	0.5	0.0016	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.5	
RE1	1.000	0.0	
S1	1.001	0.9	
BioRetention	1.002	0.7	
S2	1.003	0.6	
S4	1.005	0.5	2.5

Results for 100 year +45% CC +10% A 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	S3	108	9.830	0.290	0.6	0.0691	0.0000	FLOOD RISK
180 minute summer	225 Drain	108	9.529	0.019	0.5	0.0000	0.0000	OK
180 minute summer	RE1	4	9.870	0.000	0.0	0.0000	0.0000	OK
180 minute summer	S1	108	9.831	0.061	1.0	0.0047	0.0000	OK
180 minute summer	BioRetention	108	9.831	0.281	1.0	0.1849	0.0000	FLOOD RISK
180 minute summer	S2	108	9.830	0.285	0.8	0.0454	0.0000	FLOOD RISK
180 minute summer	S4	108	9.550	0.020	0.5	0.0016	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.5	
RE1	1.000	0.0	
S1	1.001	1.0	
BioRetention	1.002	0.8	
S2	1.003	0.6	
S4	1.005	0.5	2.8

Results for 100 year +45% CC +10% A 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	S3	112	9.770	0.230	0.5	0.0548	0.0000	SURCHARGED
180 minute winter	225 Drain	112	9.528	0.018	0.4	0.0000	0.0000	OK
180 minute winter	RE1	4	9.870	0.000	0.0	0.0000	0.0000	OK
180 minute winter	S1	88	9.794	0.024	0.6	0.0018	0.0000	OK
180 minute winter	BioRetention	112	9.770	0.220	0.6	0.1453	0.0000	FLOOD RISK
180 minute winter	S2	112	9.770	0.225	0.5	0.0358	0.0000	SURCHARGED
180 minute winter	S4	112	9.549	0.019	0.4	0.0015	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.4	
RE1	1.000	0.0	
S1	1.001	0.6	
BioRetention	1.002	0.5	
S2	1.003	0.5	
S4	1.005	0.4	2.6

Results for 100 year +45% CC +10% A 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	S3	140	9.799	0.259	0.5	0.0617	0.0000	SURCHARGED
240 minute summer	225 Drain	140	9.528	0.018	0.5	0.0000	0.0000	OK
240 minute summer	RE1	4	9.870	0.000	0.0	0.0000	0.0000	OK
240 minute summer	S1	136	9.800	0.030	0.8	0.0023	0.0000	OK
240 minute summer	BioRetention	140	9.799	0.249	0.8	0.1643	0.0000	FLOOD RISK
240 minute summer	S2	140	9.799	0.254	0.7	0.0404	0.0000	SURCHARGED
240 minute summer	S4	140	9.550	0.020	0.4	0.0015	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.4	
RE1	1.000	0.0	
S1	1.001	0.8	
BioRetention	1.002	0.7	
S2	1.003	0.5	
S4	1.005	0.5	3.1

Results for 100 year +45% CC +10% A 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	S3	148	9.744	0.204	0.4	0.0486	0.0000	SURCHARGED
240 minute winter	225 Drain	148	9.527	0.017	0.4	0.0000	0.0000	OK
240 minute winter	RE1	4	9.870	0.000	0.0	0.0000	0.0000	OK
240 minute winter	S1	116	9.791	0.021	0.5	0.0017	0.0000	OK
240 minute winter	BioRetention	148	9.744	0.194	0.5	0.1281	0.0000	FLOOD RISK
240 minute winter	S2	148	9.744	0.199	0.5	0.0317	0.0000	SURCHARGED
240 minute winter	S4	148	9.548	0.018	0.4	0.0014	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.4	
RE1	1.000	0.0	
S1	1.001	0.5	
BioRetention	1.002	0.5	
S2	1.003	0.4	
S4	1.005	0.4	3.0

Results for 100 year +45% CC +10% A 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	S3	200	9.735	0.195	0.4	0.0464	0.0000	SURCHARGED
360 minute summer	225 Drain	200	9.527	0.017	0.4	0.0000	0.0000	OK
360 minute summer	RE1	8	9.870	0.000	0.0	0.0000	0.0000	OK
360 minute summer	S1	184	9.793	0.023	0.6	0.0018	0.0000	OK
360 minute summer	BioRetention	200	9.735	0.185	0.6	0.1220	0.0000	FLOOD RISK
360 minute summer	S2	200	9.735	0.190	0.5	0.0302	0.0000	SURCHARGED
360 minute summer	S4	200	9.548	0.018	0.4	0.0014	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.4	
RE1	1.000	0.0	
S1	1.001	0.6	
BioRetention	1.002	0.5	
S2	1.003	0.4	
S4	1.005	0.4	3.6

Results for 100 year +45% CC +10% A 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	S3	200	9.682	0.142	0.3	0.0337	0.0000	SURCHARGED
360 minute winter	225 Drain	200	9.526	0.016	0.3	0.0000	0.0000	OK
360 minute winter	RE1	8	9.870	0.000	0.0	0.0000	0.0000	OK
360 minute winter	S1	184	9.789	0.019	0.4	0.0015	0.0000	OK
360 minute winter	BioRetention	200	9.682	0.132	0.4	0.0868	0.0000	SURCHARGED
360 minute winter	S2	200	9.682	0.137	0.4	0.0217	0.0000	SURCHARGED
360 minute winter	S4	200	9.547	0.017	0.3	0.0013	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.3	
RE1	1.000	0.0	
S1	1.001	0.4	
BioRetention	1.002	0.4	
S2	1.003	0.3	
S4	1.005	0.3	3.5

Results for 100 year +45% CC +10% A 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	S3	264	9.685	0.145	0.3	0.0345	0.0000	SURCHARGED
480 minute summer	225 Drain	264	9.526	0.016	0.3	0.0000	0.0000	OK
480 minute summer	RE1	8	9.870	0.000	0.0	0.0000	0.0000	OK
480 minute summer	S1	240	9.789	0.019	0.4	0.0015	0.0000	OK
480 minute summer	BioRetention	264	9.685	0.135	0.4	0.0889	0.0000	SURCHARGED
480 minute summer	S2	264	9.685	0.140	0.4	0.0222	0.0000	SURCHARGED
480 minute summer	S4	264	9.547	0.017	0.3	0.0013	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.3	
RE1	1.000	0.0	
S1	1.001	0.4	
BioRetention	1.002	0.4	
S2	1.003	0.3	
S4	1.005	0.3	3.2

Results for 100 year +45% CC +10% A 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	S3	272	9.651	0.111	0.3	0.0263	0.0000	SURCHARGED
480 minute winter	225 Drain	272	9.525	0.015	0.3	0.0000	0.0000	OK
480 minute winter	RE1	8	9.870	0.000	0.0	0.0000	0.0000	OK
480 minute winter	S1	224	9.786	0.016	0.3	0.0013	0.0000	OK
480 minute winter	BioRetention	272	9.651	0.101	0.3	0.0664	0.0000	SURCHARGED
480 minute winter	S2	272	9.651	0.106	0.3	0.0168	0.0000	SURCHARGED
480 minute winter	S4	272	9.545	0.015	0.3	0.0012	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.3	
RE1	1.000	0.0	
S1	1.001	0.3	
BioRetention	1.002	0.3	
S2	1.003	0.3	
S4	1.005	0.3	3.6

Results for 100 year +45% CC +10% A 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	S3	330	9.681	0.141	0.3	0.0334	0.0000	SURCHARGED
600 minute summer	225 Drain	330	9.526	0.016	0.3	0.0000	0.0000	OK
600 minute summer	RE1	15	9.870	0.000	0.0	0.0000	0.0000	OK
600 minute summer	S1	315	9.789	0.019	0.4	0.0015	0.0000	OK
600 minute summer	BioRetention	330	9.681	0.131	0.4	0.0861	0.0000	SURCHARGED
600 minute summer	S2	330	9.681	0.136	0.4	0.0216	0.0000	SURCHARGED
600 minute summer	S4	330	9.547	0.017	0.3	0.0013	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.3	
RE1	1.000	0.0	
S1	1.001	0.4	
BioRetention	1.002	0.4	
S2	1.003	0.3	
S4	1.005	0.3	3.2

Results for 100 year +45% CC +10% A 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	S3	375	9.600	0.060	0.2	0.0144	0.0000	OK
600 minute winter	225 Drain	375	9.522	0.012	0.2	0.0000	0.0000	OK
600 minute winter	RE1	15	9.870	0.000	0.0	0.0000	0.0000	OK
600 minute winter	S1	255	9.783	0.013	0.2	0.0010	0.0000	OK
600 minute winter	BioRetention	375	9.601	0.051	0.2	0.0333	0.0000	OK
600 minute winter	S2	375	9.600	0.055	0.2	0.0088	0.0000	OK
600 minute winter	S4	375	9.543	0.013	0.2	0.0010	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.2	
RE1	1.000	0.0	
S1	1.001	0.2	
BioRetention	1.002	0.2	
S2	1.003	0.2	
S4	1.005	0.2	3.0

Results for 100 year +45% CC +10% A 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	S3	390	9.647	0.107	0.3	0.0255	0.0000	SURCHARGED
720 minute summer	225 Drain	390	9.525	0.015	0.3	0.0000	0.0000	OK
720 minute summer	RE1	15	9.870	0.000	0.0	0.0000	0.0000	OK
720 minute summer	S1	360	9.786	0.016	0.3	0.0013	0.0000	OK
720 minute summer	BioRetention	390	9.647	0.097	0.3	0.0641	0.0000	OK
720 minute summer	S2	390	9.647	0.102	0.3	0.0162	0.0000	SURCHARGED
720 minute summer	S4	390	9.545	0.015	0.3	0.0012	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.3	
RE1	1.000	0.0	
S1	1.001	0.3	
BioRetention	1.002	0.3	
S2	1.003	0.3	
S4	1.005	0.3	3.0

Results for 100 year +45% CC +10% A 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	S3	435	9.600	0.060	0.2	0.0144	0.0000	OK
720 minute winter	225 Drain	435	9.522	0.012	0.2	0.0000	0.0000	OK
720 minute winter	RE1	15	9.870	0.000	0.0	0.0000	0.0000	OK
720 minute winter	S1	315	9.783	0.013	0.2	0.0010	0.0000	OK
720 minute winter	BioRetention	435	9.601	0.051	0.2	0.0333	0.0000	OK
720 minute winter	S2	435	9.600	0.055	0.2	0.0088	0.0000	OK
720 minute winter	S4	435	9.543	0.013	0.2	0.0010	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.2	
RE1	1.000	0.0	
S1	1.001	0.2	
BioRetention	1.002	0.2	
S2	1.003	0.2	
S4	1.005	0.2	3.0

Results for 100 year +45% CC +10% A 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	S3	510	9.628	0.088	0.3	0.0210	0.0000	OK
960 minute summer	225 Drain	510	9.524	0.014	0.3	0.0000	0.0000	OK
960 minute summer	RE1	15	9.870	0.000	0.0	0.0000	0.0000	OK
960 minute summer	S1	495	9.786	0.016	0.3	0.0013	0.0000	OK
960 minute summer	BioRetention	510	9.628	0.078	0.3	0.0515	0.0000	OK
960 minute summer	S2	510	9.628	0.083	0.3	0.0132	0.0000	OK
960 minute summer	S4	510	9.545	0.015	0.2	0.0011	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.2	
RE1	1.000	0.0	
S1	1.001	0.3	
BioRetention	1.002	0.3	
S2	1.003	0.3	
S4	1.005	0.3	3.0

Results for 100 year +45% CC +10% A 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	S3	540	9.600	0.060	0.2	0.0143	0.0000	OK
960 minute winter	225 Drain	540	9.522	0.012	0.2	0.0000	0.0000	OK
960 minute winter	RE1	15	9.870	0.000	0.0	0.0000	0.0000	OK
960 minute winter	S1	450	9.783	0.013	0.2	0.0010	0.0000	OK
960 minute winter	BioRetention	540	9.600	0.050	0.2	0.0331	0.0000	OK
960 minute winter	S2	540	9.600	0.055	0.2	0.0088	0.0000	OK
960 minute winter	S4	540	9.543	0.013	0.2	0.0010	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.2	
RE1	1.000	0.0	
S1	1.001	0.2	
BioRetention	1.002	0.2	
S2	1.003	0.2	
S4	1.005	0.2	3.2

Results for 100 year +45% CC +10% A 1440 minute summer. 1680 minute analysis at 30 minute timestep. Mass balance: 100.0

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute summer	S3	750	9.594	0.054	0.2	0.0129	0.0000	OK
1440 minute summer	225 Drain	750	9.522	0.012	0.2	0.0000	0.0000	OK
1440 minute summer	RE1	30	9.870	0.000	0.0	0.0000	0.0000	OK
1440 minute summer	S1	750	9.783	0.013	0.2	0.0010	0.0000	OK
1440 minute summer	BioRetention	750	9.595	0.045	0.2	0.0294	0.0000	OK
1440 minute summer	S2	750	9.594	0.049	0.2	0.0079	0.0000	OK
1440 minute summer	S4	750	9.543	0.013	0.2	0.0010	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.2	
RE1	1.000	0.0	
S1	1.001	0.2	
BioRetention	1.002	0.2	
S2	1.003	0.2	
S4	1.005	0.2	2.9

Results for 100 year +45% CC +10% A 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	S3	660	9.562	0.022	0.1	0.0053	0.0000	OK
1440 minute winter	225 Drain	630	9.519	0.009	0.1	0.0000	0.0000	OK
1440 minute winter	RE1	30	9.870	0.000	0.0	0.0000	0.0000	OK
1440 minute winter	S1	510	9.779	0.009	0.1	0.0007	0.0000	OK
1440 minute winter	BioRetention	660	9.563	0.013	0.1	0.0088	0.0000	OK
1440 minute winter	S2	660	9.563	0.018	0.1	0.0028	0.0000	OK
1440 minute winter	S4	660	9.539	0.009	0.1	0.0007	0.0000	OK

US Node	Link	Outflow (l/s)	Discharge Vol (m³)
S3	1.004	0.1	
RE1	1.000	0.0	
S1	1.001	0.1	
BioRetention	1.002	0.1	
S2	1.003	0.1	
S4	1.005	0.1	3.3