



DRAINAGE CALCULATIONS
FOR THE BENEFIT OF
SUMMERHOUSE LANE
HILLINGDON

Design Settings

Rainfall Methodology	FEH-22	Maximum Time of Concentration (mins)	30.00	Preferred Cover Depth (m)	0.900
Return Period (years)	2	Maximum Rainfall (mm/hr)	50.0	Include Intermediate Ground	✓
Additional Flow (%)	0	Minimum Velocity (m/s)	0.75	Enforce best practice design rules	✓
CV	0.750	Connection Type	Level Soffits		
Time of Entry (mins)	5.00	Minimum Backdrop Height (m)	0.200		

Adoptable Manhole Type

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

>900 Link+900 mm

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

Circular Link Type

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

Available Diameters (mm)

100 | 150

Nodes

Name	Area (ha)	T of E (mins)	Cover Level (m)	Diameter (mm)	Easting (m)	Northing (m)	Depth (m)
S1			55.350	600	504362.270	191443.510	0.926
S2	0.016	5.00	55.200	600	504344.990	191442.120	1.213
S3			55.150	600	504338.060	191440.180	1.272
S4	0.004	5.00	55.700	600	504376.740	191463.100	1.000
S5	0.004	5.00	55.700	600	504377.530	191451.870	1.103
S6	0.003	5.00	55.550	600	504361.370	191439.990	1.000
S7	0.003	5.00	55.500	600	504352.190	191439.340	1.038

Nodes

Name	Area (ha)	T of E (mins)	Cover Level (m)	Diameter (mm)	Easting (m)	Northing (m)	Depth (m)
S8	0.003	5.00	55.550	600	504346.420	191460.200	1.000
S9	0.003	5.00	55.550	600	504346.970	191452.180	1.250
S10	0.004	5.00	55.400	600	504331.730	191458.880	1.000
S11	0.004	5.00	55.400	600	504332.390	191449.620	1.104
SA1	0.081	5.00	54.000		504328.390	191432.890	1.000
FC1	0.004	5.00	55.430		504370.300	191445.170	0.927
FC2	0.004	5.00	55.250	600	504350.570	191446.310	1.016
FC3	0.005	5.00	55.165	600	504339.890	191444.740	0.931
FC4	0.004	5.00	55.300	600	504346.910	191434.870	0.904
J1			55.280		504350.620	191442.570	1.239
J2			55.175		504340.820	191440.970	1.280
J3			55.140		504337.470	191438.850	1.367

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)
1.003	S1	J1	11.688	0.600	54.424	54.041	0.383	30.5	100	5.79	49.0
1.004	J1	S2	5.648	0.600	54.041	53.987	0.054	104.6	100	5.92	48.4
1.005	S2	J2	4.326	0.600	53.987	53.945	0.042	103.0	100	6.01	48.0
1.006	J2	S3	2.871	0.600	53.895	53.878	0.017	168.9	150	6.08	47.7
1.007	S3	J3	1.455	0.600	53.878	53.773	0.105	13.9	150	6.09	47.7

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)
1.003	1.402	11.0	1.6	0.826	1.139	0.012	0.0	25	0.989
1.004	0.751	5.9	2.9	1.139	1.113	0.022	0.0	50	0.749
1.005	0.757	5.9	4.9	1.113	1.130	0.038	0.0	70	0.847
1.006	0.770	13.6	6.6	1.130	1.122	0.051	0.0	74	0.764
1.007	2.720	48.1	6.6	1.122	1.217	0.051	0.0	37	1.908

Links

Name	US Node	DS Node	Length (m)	ks (mm) / n	US IL (m)	DS IL (m)	Fall (m)	Slope (1:X)	Dia (mm)	T of C (mins)	Rain (mm/hr)
1.008	J3	SA1	10.861	0.600	53.773	53.000	0.773	14.1	150	6.15	47.5
1.000	S4	S5	11.258	0.600	54.700	54.597	0.103	109.3	100	5.26	50.0
1.001	S5	FC1	9.857	0.600	54.597	54.503	0.094	104.9	100	5.47	50.0
1.002	FC1	S1	8.200	0.600	54.503	54.424	0.079	103.8	100	5.66	49.6
2.002	FC2	J1	3.740	0.600	54.234	54.041	0.193	19.4	100	5.29	50.0
3.002	FC3	J2	3.883	0.600	54.234	53.945	0.289	13.4	100	5.45	50.0
4.002	FC4	J3	10.245	0.600	54.396	54.298	0.098	104.5	100	5.58	49.9
4.000	S6	S7	9.203	0.600	54.550	54.462	0.088	104.6	100	5.20	50.0
4.001	S7	FC4	6.918	0.600	54.462	54.396	0.066	104.8	100	5.36	50.0

Name	Vel (m/s)	Cap (l/s)	Flow (l/s)	US Depth (m)	DS Depth (m)	Σ Area (ha)	Σ Add Inflow (l/s)	Pro Depth (mm)	Pro Velocity (m/s)
1.008	2.701	47.7	7.8	1.217	0.850	0.061	0.0	41	2.010
1.000	0.735	5.8	0.5	0.900	1.003	0.004	0.0	21	0.457
1.001	0.750	5.9	1.1	1.003	0.827	0.008	0.0	29	0.573
1.002	0.754	5.9	1.6	0.827	0.826	0.012	0.0	36	0.640
2.002	1.762	13.8	1.4	0.916	1.139	0.010	0.0	21	1.128
3.002	2.119	16.6	1.8	0.831	1.130	0.013	0.0	22	1.386
4.002	0.752	5.9	1.4	0.804	0.742	0.010	0.0	32	0.607
4.000	0.751	5.9	0.4	0.900	0.938	0.003	0.0	18	0.422
4.001	0.751	5.9	0.8	0.938	0.804	0.006	0.0	25	0.528

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)
2.000	S8	S9	8.039	0.600	54.550	54.300	0.250	32.2	100	5.10	50.0
2.001	S9	FC2	6.886	0.600	54.300	54.234	0.066	104.3	100	5.25	50.0
3.000	S10	S11	9.283	0.600	54.400	54.296	0.104	89.3	100	5.19	50.0
3.001	S11	FC3	8.948	0.600	54.296	54.234	0.062	144.3	100	5.42	50.0

Name	Vel (m/s)	Cap (l/s)	Flow (l/s)	US Depth (m)	DS Depth (m)	Σ Area (ha)	Σ Add Inflow (l/s)	Pro Depth (mm)	Pro Velocity (m/s)
2.000	1.365	10.7	0.4	0.900	1.150	0.003	0.0	14	0.657
2.001	0.752	5.9	0.8	1.150	0.916	0.006	0.0	25	0.529
3.000	0.814	6.4	0.5	0.900	1.004	0.004	0.0	20	0.496
3.001	0.638	5.0	1.1	1.004	0.831	0.008	0.0	32	0.508

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)
1.003	11.688	30.5	100	Circular	55.350	54.424	0.826	55.280	54.041	1.139
1.004	5.648	104.6	100	Circular	55.280	54.041	1.139	55.200	53.987	1.113
1.005	4.326	103.0	100	Circular	55.200	53.987	1.113	55.175	53.945	1.130
1.006	2.871	168.9	150	Circular	55.175	53.895	1.130	55.150	53.878	1.122

Link	US Node	Dia (mm)	Node Type	MH Type	DS Node	Dia (mm)	Node Type	MH Type
1.003	S1	600	Manhole	Adoptable	J1		Junction	
1.004	J1		Junction		S2	600	Manhole	Adoptable
1.005	S2	600	Manhole	Adoptable	J2		Junction	
1.006	J2		Junction		S3	600	Manhole	Adoptable

Pipeline Schedule

Link	Length (m)	Slope (1:X)	Dia (mm)	Link Type	US CL (m)	US IL (m)	US Depth (m)	DS CL (m)	DS IL (m)	DS Depth (m)
1.007	1.455	13.9	150	Circular	55.150	53.878	1.122	55.140	53.773	1.217
1.008	10.861	14.1	150	Circular	55.140	53.773	1.217	54.000	53.000	0.850
1.000	11.258	109.3	100	Circular	55.700	54.700	0.900	55.700	54.597	1.003
1.001	9.857	104.9	100	Circular	55.700	54.597	1.003	55.430	54.503	0.827
1.002	8.200	103.8	100	Circular	55.430	54.503	0.827	55.350	54.424	0.826
2.002	3.740	19.4	100	Circular	55.250	54.234	0.916	55.280	54.041	1.139
3.002	3.883	13.4	100	Circular	55.165	54.234	0.831	55.175	53.945	1.130
4.002	10.245	104.5	100	Circular	55.300	54.396	0.804	55.140	54.298	0.742
4.000	9.203	104.6	100	Circular	55.550	54.550	0.900	55.500	54.462	0.938
4.001	6.918	104.8	100	Circular	55.500	54.462	0.938	55.300	54.396	0.804

Link	US Node	Dia (mm)	Node Type	MH Type	DS Node	Dia (mm)	Node Type	MH Type
1.007	S3	600	Manhole	Adoptable	J3		Junction	
1.008	J3		Junction		SA1		Junction	
1.000	S4	600	Manhole	Adoptable	S5	600	Manhole	Adoptable
1.001	S5	600	Manhole	Adoptable	FC1		Junction	
1.002	FC1		Junction		S1	600	Manhole	Adoptable
2.002	FC2	600	Manhole	Adoptable	J1		Junction	
3.002	FC3	600	Manhole	Adoptable	J2		Junction	
4.002	FC4	600	Manhole	Adoptable	J3		Junction	
4.000	S6	600	Manhole	Adoptable	S7	600	Manhole	Adoptable
4.001	S7	600	Manhole	Adoptable	FC4	600	Manhole	Adoptable

Pipeline Schedule

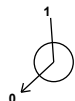
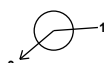
Link	Length (m)	Slope (1:X)	Dia (mm)	Link Type	US CL (m)	US IL (m)	US Depth (m)	DS CL (m)	DS IL (m)	DS Depth (m)
2.000	8.039	32.2	100	Circular	55.550	54.550	0.900	55.550	54.300	1.150
2.001	6.886	104.3	100	Circular	55.550	54.300	1.150	55.250	54.234	0.916
3.000	9.283	89.3	100	Circular	55.400	54.400	0.900	55.400	54.296	1.004
3.001	8.948	144.3	100	Circular	55.400	54.296	1.004	55.165	54.234	0.831

Link	US Node	Dia (mm)	Node Type	MH Type	DS Node	Dia (mm)	Node Type	MH Type
2.000	S8	600	Manhole	Adoptable	S9	600	Manhole	Adoptable
2.001	S9	600	Manhole	Adoptable	FC2	600	Manhole	Adoptable
3.000	S10	600	Manhole	Adoptable	S11	600	Manhole	Adoptable
3.001	S11	600	Manhole	Adoptable	FC3	600	Manhole	Adoptable

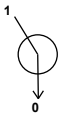
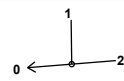
Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)	
S1	504362.270	191443.510	55.350	0.926	600		1	1.002	54.424	100
						0	1.003	54.424	100	
S2	504344.990	191442.120	55.200	1.213	600		1	1.004	53.987	100
						0	1.005	53.987	100	
S3	504338.060	191440.180	55.150	1.272	600		1	1.006	53.878	150
						0	1.007	53.878	150	

Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)	
S4	504376.740	191463.100	55.700	1.000	600		0	1.000	54.700	100
S5	504377.530	191451.870	55.700	1.103	600		1	1.000	54.597	100
						0	1.001	54.597	100	
S6	504361.370	191439.990	55.550	1.000	600		0	4.000	54.550	100
S7	504352.190	191439.340	55.500	1.038	600		1	4.000	54.462	100
						0	4.001	54.462	100	
S8	504346.420	191460.200	55.550	1.000	600		0	2.000	54.550	100
S9	504346.970	191452.180	55.550	1.250	600		1	2.000	54.300	100
						0	2.001	54.300	100	
S10	504331.730	191458.880	55.400	1.000	600		0	3.000	54.400	100
S11	504332.390	191449.620	55.400	1.104	600		1	3.000	54.296	100
						0	3.001	54.296	100	

Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)	
SA1	504328.390	191432.890	54.000	1.000			1	1.008	53.000	150
FC1	504370.300	191445.170	55.430	0.927			1	1.001	54.503	100
							0	1.002	54.503	100
FC2	504350.570	191446.310	55.250	1.016	600		1	2.001	54.234	100
							0	2.002	54.234	100
FC3	504339.890	191444.740	55.165	0.931	600		1	3.001	54.234	100
							0	3.002	54.234	100
FC4	504346.910	191434.870	55.300	0.904	600		1	4.001	54.396	100
							0	4.002	54.396	100
J1	504350.620	191442.570	55.280	1.239			1	2.002	54.041	100
							2	1.003	54.041	100
							0	1.004	54.041	100
J2	504340.820	191440.970	55.175	1.280			1	3.002	53.945	100
							2	1.005	53.945	100
							0	1.006	53.895	150
J3	504337.470	191438.850	55.140	1.367			1	4.002	54.298	100
							2	1.007	53.773	150
							0	1.008	53.773	150

Simulation Settings

Rainfall Methodology	FEH-22	Analysis Speed	Normal	Additional Storage (m ³ /ha)	20.0
Summer CV	0.750	Skip Steady State	x	Check Discharge Rate(s)	x
Winter CV	0.840	Drain Down Time (mins)	240	Check Discharge Volume	x

Storm Durations

15	30	60	120	180	240	360	480	600	720	960	1440
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Return Period (years)	Climate Change (CC %)	Additional Area (A %)	Additional Flow (Q %)	Return Period (years)	Climate Change (CC %)	Additional Area (A %)	Additional Flow (Q %)
2	0	0	0	100	0	0	0
30	0	0	0	100	45	0	0
30	35	0	0				

Node FC1 Online Orifice Control

Flap Valve	x	Invert Level (m)	54.503	Design Flow (l/s)	1.0	Discharge Coefficient	0.600
Replaces Downstream Link	x	Design Depth (m)	0.850	Diameter (m)	0.022		

Node FC2 Online Orifice Control

Flap Valve	x	Invert Level (m)	54.234	Design Flow (l/s)	1.0	Discharge Coefficient	0.600
Replaces Downstream Link	✓	Design Depth (m)	0.900	Diameter (m)	0.022		

Node FC3 Online Orifice Control

Flap Valve	x	Invert Level (m)	54.234	Design Flow (l/s)	1.0	Discharge Coefficient	0.600
Replaces Downstream Link	✓	Design Depth (m)	0.900	Diameter (m)	0.022		

Node FC4 Online Orifice Control

Flap Valve	x	Invert Level (m)	54.396	Design Flow (l/s)	1.0	Discharge Coefficient	0.600
Replaces Downstream Link	✓	Design Depth (m)	0.900	Diameter (m)	0.022		

Node SA1 Depth/Area Storage Structure

Base Inf Coefficient (m/hr)	1.37800	Safety Factor	2.0	Invert Level (m)	53.000
Side Inf Coefficient (m/hr)	1.37800	Porosity	0.95	Time to half empty (mins)	15

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	68.0	68.0	0.400	68.0	84.8	0.401	0.0	84.8

Node FC1 Depth/Area Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Safety Factor	2.0	Invert Level (m)	54.880
Side Inf Coefficient (m/hr)	0.00000	Porosity	0.30	Time to half empty (mins)	37

Depth (m)	Area (m ²)	Inf Area (m ²)	Depth (m)	Area (m ²)	Inf Area (m ²)
0.000	44.8	0.0	0.300	44.8	0.0

Node FC2 Depth/Area Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Safety Factor	2.0	Invert Level (m)	54.775
Side Inf Coefficient (m/hr)	0.00000	Porosity	0.30	Time to half empty (mins)	23

Depth (m)	Area (m ²)	Inf Area (m ²)	Depth (m)	Area (m ²)	Inf Area (m ²)
0.000	42.2	0.0	0.300	42.2	0.0

Node FC3 Depth/Area Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Safety Factor	2.0	Invert Level (m)	54.765
Side Inf Coefficient (m/hr)	0.00000	Porosity	0.30	Time to half empty (mins)	70

Depth (m)	Area (m ²)	Inf Area (m ²)	Depth (m)	Area (m ²)	Inf Area (m ²)
0.000	49.2	0.0	0.300	49.2	0.0

Node FC4 Depth/Area Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Safety Factor	2.0	Invert Level (m)	54.900
Side Inf Coefficient (m/hr)	0.00000	Porosity	0.30	Time to half empty (mins)	36

Depth (m)	Area (m ²)	Inf Area (m ²)	Depth (m)	Area (m ²)	Inf Area (m ²)
0.000	43.7	0.0	0.300	43.7	0.0

Other (defaults)

Entry Loss (manhole)	0.250	Entry Loss (junction)	0.000	Apply Recommended Losses	x
Exit Loss (manhole)	0.250	Exit Loss (junction)	0.000	Flood Risk (m)	0.300

Approval Settings

Node Size	✓	Maximum Cover Depth (m)	3.000	Surcharged Depth	✓
Node Losses	✓	Backdrops	✓	Return Period (years)	
Link Size	✓	Minimum Backdrop Height (m)		Maximum Surcharged Depth (m)	0.100
Minimum Diameter (mm)	150	Maximum Backdrop Height (m)	1.500	Flooding	✓
Link Length	✓	Full Bore Velocity	✓	Return Period (years)	30
Maximum Length (m)	100.000	Minimum Full Bore Velocity (m/s)		Time to Half Empty	x
Coordinates	✓	Maximum Full Bore Velocity (m/s)	3.000	Discharge Rates	✓
Accuracy (m)	1.000	Proportional Velocity	✓	Discharge Volume	✓
Crossings	✓	Return Period (years)		100 year 360 minute (m ³)	
Cover Depth	✓	Minimum Proportional Velocity (m/s)	0.750		
Minimum Cover Depth (m)		Maximum Proportional Velocity (m/s)	3.000		

Rainfall

Event	Peak Intensity (mm/hr)	Average Intensity (mm/hr)	Event	Peak Intensity (mm/hr)	Average Intensity (mm/hr)
2 year 15 minute summer	102.964	29.135	30 year 180 minute summer	62.524	16.090
2 year 15 minute winter	72.255	29.135	30 year 180 minute winter	40.642	16.090
2 year 30 minute summer	66.325	18.768	30 year 240 minute summer	49.267	13.020
2 year 30 minute winter	46.544	18.768	30 year 240 minute winter	32.732	13.020
2 year 60 minute summer	43.833	11.584	30 year 360 minute summer	36.947	9.508
2 year 60 minute winter	29.122	11.584	30 year 360 minute winter	24.017	9.508
2 year 120 minute summer	32.512	8.592	30 year 480 minute summer	28.488	7.529
2 year 120 minute winter	21.600	8.592	30 year 480 minute winter	18.927	7.529
2 year 180 minute summer	26.805	6.898	30 year 600 minute summer	22.867	6.255
2 year 180 minute winter	17.424	6.898	30 year 600 minute winter	15.624	6.255
2 year 240 minute summer	21.902	5.788	30 year 720 minute summer	20.010	5.363
2 year 240 minute winter	14.551	5.788	30 year 720 minute winter	13.448	5.363
2 year 360 minute summer	17.068	4.392	30 year 960 minute summer	15.920	4.192
2 year 360 minute winter	11.094	4.392	30 year 960 minute winter	10.546	4.192
2 year 480 minute summer	13.433	3.550	30 year 1440 minute summer	11.023	2.954
2 year 480 minute winter	8.924	3.550	30 year 1440 minute winter	7.408	2.954
2 year 600 minute summer	10.939	2.992	30 year +35% CC 15 minute summer	398.539	112.773
2 year 600 minute winter	7.474	2.992	30 year +35% CC 15 minute winter	279.676	112.773
2 year 720 minute summer	9.680	2.594	30 year +35% CC 30 minute summer	259.029	73.296
2 year 720 minute winter	6.506	2.594	30 year +35% CC 30 minute winter	181.775	73.296
2 year 960 minute summer	7.843	2.065	30 year +35% CC 60 minute summer	171.678	45.370
2 year 960 minute winter	5.195	2.065	30 year +35% CC 60 minute winter	114.059	45.370
2 year 1440 minute summer	5.571	1.493	30 year +35% CC 120 minute summer	109.208	28.861
2 year 1440 minute winter	3.744	1.493	30 year +35% CC 120 minute winter	72.556	28.861
30 year 15 minute summer	295.214	83.535	30 year +35% CC 180 minute summer	84.407	21.721
30 year 15 minute winter	207.168	83.535	30 year +35% CC 180 minute winter	54.867	21.721
30 year 30 minute summer	191.874	54.294	30 year +35% CC 240 minute summer	66.510	17.577
30 year 30 minute winter	134.648	54.294	30 year +35% CC 240 minute winter	44.188	17.577
30 year 60 minute summer	127.169	33.607	30 year +35% CC 360 minute summer	49.879	12.836
30 year 60 minute winter	84.488	33.607	30 year +35% CC 360 minute winter	32.423	12.836
30 year 120 minute summer	80.895	21.378	30 year +35% CC 480 minute summer	38.459	10.164
30 year 120 minute winter	53.745	21.378	30 year +35% CC 480 minute winter	25.551	10.164

Rainfall

Event	Peak Intensity (mm/hr)	Average Intensity (mm/hr)	Event	Peak Intensity (mm/hr)	Average Intensity (mm/hr)
30 year +35% CC 600 minute summer	30.870	8.444	100 year 960 minute summer	20.603	5.425
30 year +35% CC 600 minute winter	21.093	8.444	100 year 960 minute winter	13.648	5.425
30 year +35% CC 720 minute summer	27.014	7.240	100 year 1440 minute summer	14.199	3.805
30 year +35% CC 720 minute winter	18.155	7.240	100 year 1440 minute winter	9.542	3.805
30 year +35% CC 960 minute summer	21.492	5.659	100 year +45% CC 15 minute summer	549.401	155.462
30 year +35% CC 960 minute winter	14.237	5.659	100 year +45% CC 15 minute winter	385.545	155.462
30 year +35% CC 1440 minute summer	14.881	3.988	100 year +45% CC 30 minute summer	360.905	102.124
30 year +35% CC 1440 minute winter	10.001	3.988	100 year +45% CC 30 minute winter	253.267	102.124
100 year 15 minute summer	378.897	107.215	100 year +45% CC 60 minute summer	240.896	63.662
100 year 15 minute winter	265.893	107.215	100 year +45% CC 60 minute winter	160.045	63.662
100 year 30 minute summer	248.900	70.430	100 year +45% CC 120 minute summer	150.887	39.875
100 year 30 minute winter	174.667	70.430	100 year +45% CC 120 minute winter	100.245	39.875
100 year 60 minute summer	166.135	43.905	100 year +45% CC 180 minute summer	116.309	29.930
100 year 60 minute winter	110.376	43.905	100 year +45% CC 180 minute winter	75.604	29.930
100 year 120 minute summer	104.060	27.500	100 year +45% CC 240 minute summer	91.717	24.238
100 year 120 minute winter	69.135	27.500	100 year +45% CC 240 minute winter	60.934	24.238
100 year 180 minute summer	80.213	20.642	100 year +45% CC 360 minute summer	69.086	17.778
100 year 180 minute winter	52.141	20.642	100 year +45% CC 360 minute winter	44.908	17.778
100 year 240 minute summer	63.253	16.716	100 year +45% CC 480 minute summer	53.435	14.121
100 year 240 minute winter	42.024	16.716	100 year +45% CC 480 minute winter	35.501	14.121
100 year 360 minute summer	47.646	12.261	100 year +45% CC 600 minute summer	42.951	11.748
100 year 360 minute winter	30.971	12.261	100 year +45% CC 600 minute winter	29.347	11.748
100 year 480 minute summer	36.851	9.739	100 year +45% CC 720 minute summer	37.601	10.077
100 year 480 minute winter	24.483	9.739	100 year +45% CC 720 minute winter	25.270	10.077
100 year 600 minute summer	29.621	8.102	100 year +45% CC 960 minute summer	29.874	7.867
100 year 600 minute winter	20.239	8.102	100 year +45% CC 960 minute winter	19.789	7.867
100 year 720 minute summer	25.931	6.950	100 year +45% CC 1440 minute summer	20.588	5.518
100 year 720 minute winter	17.428	6.950	100 year +45% CC 1440 minute winter	13.837	5.518

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 winter	S1	25	54.438	0.014	0.4	0.0039	0.0000	OK
15 minute winter	S2	11	54.036	0.049	2.7	0.0266	0.0000	OK
15 minute winter	S3	11	53.905	0.027	3.0	0.0077	0.0000	OK
15 minute winter	S4	11	54.720	0.020	0.5	0.0072	0.0000	OK
30 minute winter	S5	24	54.719	0.122	0.8	0.0433	0.0000	SURCHARGED
30 minute winter	S6	25	54.569	0.019	0.3	0.0066	0.0000	OK
30 minute winter	S7	24	54.570	0.108	0.6	0.0367	0.0000	SURCHARGED
15 minute summer	S8	11	54.563	0.013	0.4	0.0046	0.0000	OK
30 minute winter	S9	24	54.415	0.115	0.7	0.0381	0.0000	SURCHARGED
30 minute winter	S10	24	54.451	0.051	0.4	0.0185	0.0000	OK
30 minute winter	S11	25	54.451	0.155	0.8	0.0549	0.0000	SURCHARGED
15 minute winter	SA1	13	53.037	0.037	13.8	2.4386	0.0000	OK
30 minute winter	FC1	24	54.719	0.216	0.9	0.0186	0.0000	SURCHARGED
30 minute winter	FC2	23	54.415	0.181	0.8	0.0653	0.0000	SURCHARGED
30 minute winter	FC3	25	54.451	0.217	0.8	0.0846	0.0000	SURCHARGED

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
30 minute winter	S1	1.003	J1	0.4	0.408	0.041	0.0131
15 minute winter	S2	1.005	J2	2.7	0.722	0.447	0.0159
15 minute winter	S3	1.007	J3	3.0	1.394	0.063	0.0032
15 minute winter	S4	1.000	S5	0.5	0.348	0.087	0.0489
30 minute winter	S5	1.001	FC1	0.6	0.207	0.095	0.0771
30 minute winter	S6	4.000	S7	0.3	0.270	0.051	0.0408
30 minute winter	S7	4.001	FC4	0.4	0.179	0.065	0.0541
15 minute summer	S8	2.000	S9	0.4	0.391	0.037	0.0324
30 minute winter	S9	2.001	FC2	0.4	0.192	0.063	0.0539
30 minute winter	S10	3.000	S11	0.4	0.262	0.063	0.0549
30 minute winter	S11	3.001	FC3	0.4	0.170	0.081	0.0700
15 minute winter	SA1	Infiltration		9.6			
30 minute winter	FC1	1.002	S1	0.4	0.523	0.076	0.0071
30 minute winter	FC2	Orifice	J1	0.4			
30 minute winter	FC3	Orifice	J2	0.5			

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 winter	FC4	23	54.570	0.174	0.7	0.0646	0.0000	SURCHARGED
30 minute winter	J1	27	54.067	0.026	0.9	0.0000	0.0000	OK
15 minute winter	J2	11	53.943	0.048	3.0	0.0000	0.0000	OK
15 minute winter	J3	11	53.800	0.027	3.4	0.0000	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
30 minute winter	FC4	Orifice	J3	0.4			
30 minute winter	J1	1.004	S2	0.9	0.503	0.146	0.0134
15 minute winter	J2	1.006	S3	3.0	0.878	0.223	0.0101
15 minute winter	J3	1.008	SA1	3.4	1.702	0.071	0.0292

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
30 minute winter	S1	29	54.441	0.017	0.6	0.0047	0.0000	OK
15 minute winter	S2	11	54.093	0.106	6.8	0.0582	0.0000	SURCHARGED
15 minute winter	S3	11	53.922	0.044	7.4	0.0126	0.0000	OK
30 minute winter	S4	27	54.939	0.239	1.2	0.0868	0.0000	SURCHARGED
30 minute winter	S5	27	54.939	0.342	2.4	0.1213	0.0000	SURCHARGED
30 minute winter	S6	27	54.903	0.353	0.9	0.1210	0.0000	SURCHARGED
30 minute winter	S7	27	54.903	0.441	1.0	0.1502	0.0000	SURCHARGED
30 minute winter	S8	25	54.778	0.228	1.0	0.0783	0.0000	SURCHARGED
30 minute winter	S9	27	54.778	0.478	1.6	0.1581	0.0000	SURCHARGED
30 minute winter	S10	27	54.798	0.398	1.3	0.1446	0.0000	SURCHARGED
30 minute winter	S11	27	54.798	0.502	2.1	0.1782	0.0000	SURCHARGED
30 minute winter	SA1	24	53.147	0.147	30.7	9.7595	0.0000	OK
30 minute winter	FC1	28	54.938	0.435	3.4	0.8237	0.0000	SURCHARGED
30 minute winter	FC2	26	54.777	0.543	1.7	0.2321	0.0000	SURCHARGED
30 minute winter	FC3	28	54.797	0.563	3.2	0.6975	0.0000	SURCHARGED

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
30 minute winter	S1	1.003	J1	0.6	0.469	0.059	0.0184
15 minute winter	S2	1.005	J2	6.7	0.877	1.132	0.0320
15 minute winter	S3	1.007	J3	7.3	1.773	0.153	0.0060
30 minute winter	S4	1.000	S5	1.2	0.321	0.206	0.0881
30 minute winter	S5	1.001	FC1	2.2	0.287	0.380	0.0771
30 minute winter	S6	4.000	S7	0.5	0.271	0.076	0.0720
30 minute winter	S7	4.001	FC4	0.6	0.194	0.110	0.0541
30 minute winter	S8	2.000	S9	0.8	0.324	0.072	0.0629
30 minute winter	S9	2.001	FC2	0.7	0.216	0.118	0.0539
30 minute winter	S10	3.000	S11	1.1	0.284	0.171	0.0726
30 minute winter	S11	3.001	FC3	2.0	0.251	0.392	0.0700
30 minute winter	SA1	Infiltration		13.9			
30 minute winter	FC1	1.002	S1	0.6	0.583	0.109	0.0092
30 minute winter	FC2	Orifice	J1	0.7			
30 minute winter	FC3	Orifice	J2	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
30 minute winter	FC4	26	54.902	0.506	1.3	0.2200	0.0000	SURCHARGED
15 minute winter	J1	11	54.095	0.054	1.4	0.0000	0.0000	OK
15 minute winter	J2	11	53.973	0.078	7.4	0.0000	0.0000	OK
15 minute winter	J3	12	53.814	0.041	7.9	0.0000	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
30 minute winter	FC4	Orifice	J3	0.7			
15 minute winter	J1	1.004	S2	1.6	0.589	0.270	0.0342
15 minute winter	J2	1.006	S3	7.4	1.089	0.541	0.0196
15 minute winter	J3	1.008	SA1	8.0	1.910	0.167	0.1121

Results for 30 year +35% 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 winter	S1	50	54.441	0.017	0.7	0.0048	0.0000	OK
15 minute winter	S2	11	54.149	0.162	8.9	0.0884	0.0000	SURCHARGED
15 minute winter	S3	11	53.929	0.051	9.4	0.0145	0.0000	OK
60 minute winter	S4	48	54.997	0.297	1.0	0.1077	0.0000	SURCHARGED
60 minute winter	S5	48	54.996	0.399	1.8	0.1418	0.0000	SURCHARGED
60 minute winter	S6	45	54.949	0.399	0.8	0.1368	0.0000	SURCHARGED
60 minute winter	S7	45	54.949	0.487	1.4	0.1659	0.0000	SURCHARGED
30 minute winter	S8	27	54.825	0.275	1.2	0.0943	0.0000	SURCHARGED
30 minute winter	S9	27	54.825	0.525	2.3	0.1736	0.0000	SURCHARGED
60 minute winter	S10	48	54.855	0.455	1.0	0.1652	0.0000	SURCHARGED
60 minute winter	S11	48	54.855	0.559	1.9	0.1984	0.0000	SURCHARGED
30 minute winter	SA1	25	53.233	0.233	40.5	15.4531	0.0000	OK
60 minute winter	FC1	49	54.996	0.493	2.7	1.6062	0.0000	SURCHARGED
30 minute winter	FC2	28	54.824	0.590	3.4	0.8374	0.0000	SURCHARGED
60 minute winter	FC3	49	54.854	0.620	3.1	1.5621	0.0000	SURCHARGED

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
60 minute winter	S1	1.003	J1	0.7	0.507	0.063	0.0191
15 minute winter	S2	1.005	J2	8.8	1.122	1.475	0.0332
15 minute winter	S3	1.007	J3	9.5	1.890	0.197	0.0073
60 minute winter	S4	1.000	S5	0.9	0.271	0.164	0.0881
60 minute winter	S5	1.001	FC1	1.7	0.222	0.295	0.0771
60 minute winter	S6	4.000	S7	0.6	0.223	0.110	0.0720
60 minute winter	S7	4.001	FC4	1.3	0.207	0.223	0.0541
30 minute winter	S8	2.000	S9	1.2	0.352	0.108	0.0629
30 minute winter	S9	2.001	FC2	1.9	0.243	0.322	0.0539
60 minute winter	S10	3.000	S11	0.9	0.264	0.144	0.0726
60 minute winter	S11	3.001	FC3	1.8	0.236	0.369	0.0700
30 minute winter	SA1	Infiltration		14.7			
60 minute winter	FC1	1.002	S1	0.7	0.594	0.117	0.0096
30 minute winter	FC2	Orifice	J1	0.8			
60 minute winter	FC3	Orifice	J2	0.8			

Results for 30 year +35% 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 winter	FC4	46	54.948	0.552	2.3	0.8422	0.0000	SURCHARGED
15 minute winter	J1	11	54.152	0.111	1.4	0.0000	0.0000	SURCHARGED
15 minute winter	J2	11	53.986	0.091	9.5	0.0000	0.0000	OK
15 minute winter	J3	11	53.820	0.047	10.1	0.0000	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
60 minute winter	FC4	Orifice	J3	0.7			
15 minute winter	J1	1.004	S2	2.4	0.601	0.409	0.0442
15 minute winter	J2	1.006	S3	9.4	1.142	0.689	0.0236
15 minute winter	J3	1.008	SA1	10.1	1.965	0.212	0.1211

Results for 100 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 winter	S1	49	54.441	0.017	0.7	0.0048	0.0000	OK
15 minute winter	S2	11	54.136	0.149	8.4	0.0815	0.0000	SURCHARGED
15 minute winter	S3	11	53.928	0.050	9.1	0.0141	0.0000	OK
60 minute winter	S4	47	54.989	0.289	1.0	0.1049	0.0000	SURCHARGED
60 minute winter	S5	47	54.988	0.391	1.9	0.1390	0.0000	SURCHARGED
30 minute winter	S6	26	54.939	0.389	1.1	0.1334	0.0000	SURCHARGED
60 minute winter	S7	47	54.939	0.477	1.5	0.1625	0.0000	SURCHARGED
30 minute winter	S8	26	54.815	0.265	1.7	0.0910	0.0000	SURCHARGED
30 minute winter	S9	26	54.815	0.515	2.0	0.1704	0.0000	SURCHARGED
60 minute winter	S10	47	54.847	0.447	1.0	0.1623	0.0000	SURCHARGED
60 minute winter	S11	47	54.847	0.551	2.1	0.1955	0.0000	SURCHARGED
30 minute winter	SA1	25	53.220	0.220	39.0	14.5537	0.0000	OK
60 minute winter	FC1	48	54.988	0.485	2.7	1.4948	0.0000	SURCHARGED
30 minute winter	FC2	27	54.814	0.580	3.2	0.7157	0.0000	SURCHARGED
60 minute winter	FC3	48	54.846	0.612	3.1	1.4370	0.0000	SURCHARGED

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
60 minute winter	S1	1.003	J1	0.7	0.510	0.062	0.0190
15 minute winter	S2	1.005	J2	8.4	1.071	1.408	0.0330
15 minute winter	S3	1.007	J3	9.0	1.869	0.188	0.0070
60 minute winter	S4	1.000	S5	0.9	0.271	0.148	0.0881
60 minute winter	S5	1.001	FC1	1.7	0.218	0.289	0.0771
30 minute winter	S6	4.000	S7	1.0	0.273	0.162	0.0720
60 minute winter	S7	4.001	FC4	1.4	0.207	0.233	0.0541
30 minute winter	S8	2.000	S9	1.0	0.332	0.089	0.0629
30 minute winter	S9	2.001	FC2	1.9	0.237	0.314	0.0539
60 minute winter	S10	3.000	S11	1.1	0.264	0.165	0.0726
60 minute winter	S11	3.001	FC3	1.8	0.236	0.369	0.0700
30 minute winter	SA1	Infiltration		14.6			
60 minute winter	FC1	1.002	S1	0.7	0.593	0.116	0.0096
30 minute winter	FC2	Orifice	J1	0.8			
60 minute winter	FC3	Orifice	J2	0.8			

Results for 100 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 winter	FC4	46	54.938	0.542	2.3	0.7079	0.0000	SURCHARGED
15 minute winter	J1	11	54.139	0.098	1.4	0.0000	0.0000	OK
15 minute winter	J2	11	53.984	0.089	9.1	0.0000	0.0000	OK
15 minute winter	J3	12	53.819	0.046	9.7	0.0000	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
60 minute winter	FC4	Orifice	J3	0.7			
15 minute winter	J1	1.004	S2	2.2	0.599	0.377	0.0441
15 minute winter	J2	1.006	S3	9.1	1.137	0.666	0.0230
15 minute winter	J3	1.008	SA1	9.7	1.951	0.203	0.1204

Results for 100 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 winter	S1	58	54.442	0.018	0.8	0.0051	0.0000	OK
15 minute winter	S2	11	54.241	0.254	11.9	0.1389	0.0000	SURCHARGED
15 minute winter	S3	11	53.938	0.060	12.7	0.0171	0.0000	OK
60 minute winter	S4	57	55.102	0.402	1.5	0.1459	0.0000	SURCHARGED
60 minute winter	S5	57	55.102	0.505	2.8	0.1791	0.0000	SURCHARGED
60 minute winter	S6	48	55.026	0.476	1.1	0.1632	0.0000	SURCHARGED
60 minute winter	S7	48	55.025	0.563	2.0	0.1921	0.0000	SURCHARGED
60 minute winter	S8	48	54.903	0.353	1.1	0.1211	0.0000	SURCHARGED
60 minute winter	S9	48	54.903	0.603	2.1	0.1995	0.0000	SURCHARGED
120 minute winter	S10	90	54.955	0.555	0.9	0.2015	0.0000	SURCHARGED
120 minute winter	S11	90	54.955	0.659	1.7	0.2339	0.0000	SURCHARGED
30 minute winter	SA1	26	53.371	0.371	55.6	24.5919	0.0000	OK
60 minute winter	FC1	58	55.101	0.598	4.0	3.0239	0.0000	SURCHARGED
60 minute winter	FC2	49	54.902	0.668	3.3	1.8592	0.0000	SURCHARGED
120 minute winter	FC3	92	54.954	0.720	2.7	3.0763	0.0000	FLOOD RISK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
60 minute winter	S1	1.003	J1	0.8	0.544	0.069	0.0363
15 minute winter	S2	1.005	J2	11.8	1.508	1.984	0.0335
15 minute winter	S3	1.007	J3	12.5	2.031	0.260	0.0090
60 minute winter	S4	1.000	S5	1.3	0.303	0.217	0.0881
60 minute winter	S5	1.001	FC1	2.5	0.320	0.425	0.0771
60 minute winter	S6	4.000	S7	1.0	0.271	0.176	0.0720
60 minute winter	S7	4.001	FC4	1.8	0.233	0.310	0.0541
60 minute winter	S8	2.000	S9	1.1	0.324	0.099	0.0629
60 minute winter	S9	2.001	FC2	1.8	0.232	0.308	0.0539
120 minute winter	S10	3.000	S11	0.8	0.258	0.122	0.0726
120 minute winter	S11	3.001	FC3	1.6	0.199	0.310	0.0700
30 minute winter	SA1	Infiltration		16.0			
60 minute winter	FC1	1.002	S1	0.8	0.612	0.129	0.0103
60 minute winter	FC2	Orifice	J1	0.8			
120 minute winter	FC3	Orifice	J2	0.9			

Results for 100 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 winter	FC4	49	55.025	0.629	3.3	1.8789	0.0000	FLOOD RISK
15 minute winter	J1	11	54.244	0.203	1.5	0.0000	0.0000	SURCHARGED
15 minute winter	J2	11	54.002	0.107	12.6	0.0000	0.0000	OK
15 minute winter	J3	11	53.827	0.054	13.2	0.0000	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
60 minute winter	FC4	Orifice	J3	0.8			
15 minute winter	J1	1.004	S2	2.7	0.610	0.462	0.0442
15 minute winter	J2	1.006	S3	12.7	1.279	0.931	0.0288
15 minute winter	J3	1.008	SA1	13.2	2.017	0.276	0.1265

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	S1	16	54.437	0.013	0.4	0.0038	0.0000	OK
15 minute summer	S2	11	54.034	0.047	2.5	0.0259	0.0000	OK
15 minute summer	S3	11	53.905	0.027	2.9	0.0076	0.0000	OK
15 minute summer	S4	11	54.720	0.020	0.5	0.0072	0.0000	OK
15 minute summer	S5	15	54.695	0.098	1.2	0.0349	0.0000	OK
15 minute summer	S6	11	54.568	0.018	0.4	0.0060	0.0000	OK
15 minute summer	S7	14	54.556	0.094	0.8	0.0321	0.0000	OK
15 minute summer	S8	11	54.563	0.013	0.4	0.0046	0.0000	OK
15 minute summer	S9	14	54.397	0.097	0.8	0.0320	0.0000	OK
15 minute summer	S10	15	54.428	0.028	0.5	0.0100	0.0000	OK
15 minute summer	S11	14	54.427	0.131	1.0	0.0464	0.0000	SURCHARGED
15 minute summer	SA1	13	53.034	0.034	13.2	2.2584	0.0000	OK
15 minute summer	FC1	15	54.695	0.192	1.3	0.0165	0.0000	SURCHARGED
15 minute summer	FC2	15	54.396	0.162	1.2	0.0587	0.0000	SURCHARGED
15 minute summer	FC3	14	54.427	0.193	1.0	0.0755	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
15 minute summer	S1	1.003	J1	0.4	0.399	0.038	0.0126
15 minute summer	S2	1.005	J2	2.5	0.713	0.426	0.0154
15 minute summer	S3	1.007	J3	2.9	1.376	0.060	0.0031
15 minute summer	S4	1.000	S5	0.5	0.348	0.086	0.0470
15 minute summer	S5	1.001	FC1	0.8	0.207	0.137	0.0770
15 minute summer	S6	4.000	S7	0.4	0.325	0.068	0.0375
15 minute summer	S7	4.001	FC4	0.6	0.168	0.108	0.0535
15 minute summer	S8	2.000	S9	0.4	0.391	0.037	0.0324
15 minute summer	S9	2.001	FC2	0.7	0.174	0.114	0.0536
15 minute summer	S10	3.000	S11	0.5	0.309	0.078	0.0445
15 minute summer	S11	3.001	FC3	0.5	0.199	0.103	0.0700
15 minute summer	SA1	Infiltration		8.9			
15 minute summer	FC1	1.002	S1	0.4	0.513	0.071	0.0068
15 minute summer	FC2	Orifice	J1	0.4			
15 minute summer	FC3	Orifice	J2	0.4			

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	FC4	15	54.556	0.160	1.1	0.0593	0.0000	SURCHARGED
15 minute summer	J1	16	54.066	0.025	0.8	0.0000	0.0000	OK
15 minute summer	J2	11	53.942	0.047	2.9	0.0000	0.0000	OK
15 minute summer	J3	12	53.800	0.026	3.2	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
15 minute summer	FC4	Orifice	J3	0.4			
15 minute summer	J1	1.004	S2	0.8	0.503	0.137	0.0139
15 minute summer	J2	1.006	S3	2.9	0.868	0.213	0.0098
15 minute summer	J3	1.008	SA1	3.2	1.690	0.068	0.0272

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	S1	16	54.438	0.014	0.4	0.0039	0.0000	OK
15 minute winter	S2	11	54.036	0.049	2.7	0.0266	0.0000	OK
15 minute winter	S3	11	53.905	0.027	3.0	0.0077	0.0000	OK
15 minute winter	S4	11	54.720	0.020	0.5	0.0072	0.0000	OK
15 minute winter	S5	15	54.709	0.112	1.1	0.0397	0.0000	SURCHARGED
15 minute winter	S6	11	54.568	0.018	0.4	0.0060	0.0000	OK
15 minute winter	S7	15	54.565	0.103	0.8	0.0352	0.0000	SURCHARGED
15 minute winter	S8	11	54.563	0.013	0.4	0.0046	0.0000	OK
15 minute winter	S9	15	54.409	0.109	0.9	0.0360	0.0000	SURCHARGED
15 minute winter	S10	14	54.440	0.040	0.5	0.0144	0.0000	OK
15 minute winter	S11	15	54.442	0.146	1.0	0.0517	0.0000	SURCHARGED
15 minute winter	SA1	13	53.037	0.037	13.8	2.4386	0.0000	OK
15 minute winter	FC1	15	54.708	0.205	1.3	0.0176	0.0000	SURCHARGED
15 minute winter	FC2	15	54.408	0.174	0.9	0.0628	0.0000	SURCHARGED
15 minute winter	FC3	15	54.442	0.208	1.1	0.0811	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
15 minute winter	S1	1.003	J1	0.4	0.404	0.039	0.0129
15 minute winter	S2	1.005	J2	2.7	0.722	0.447	0.0159
15 minute winter	S3	1.007	J3	3.0	1.394	0.063	0.0032
15 minute winter	S4	1.000	S5	0.5	0.348	0.087	0.0489
15 minute winter	S5	1.001	FC1	0.8	0.208	0.143	0.0771
15 minute winter	S6	4.000	S7	0.4	0.316	0.068	0.0396
15 minute winter	S7	4.001	FC4	0.5	0.205	0.077	0.0541
15 minute winter	S8	2.000	S9	0.4	0.358	0.037	0.0331
15 minute winter	S9	2.001	FC2	0.5	0.220	0.080	0.0539
15 minute winter	S10	3.000	S11	0.5	0.317	0.078	0.0498
15 minute winter	S11	3.001	FC3	0.6	0.176	0.123	0.0700
15 minute winter	SA1	Infiltration		9.6			
15 minute winter	FC1	1.002	S1	0.4	0.519	0.073	0.0069
15 minute winter	FC2	Orifice	J1	0.4			
15 minute winter	FC3	Orifice	J2	0.4			

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	FC4	14	54.565	0.169	0.9	0.0629	0.0000	SURCHARGED
15 minute winter	J1	17	54.067	0.026	0.8	0.0000	0.0000	OK
15 minute winter	J2	11	53.943	0.048	3.0	0.0000	0.0000	OK
15 minute winter	J3	11	53.800	0.027	3.4	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
15 minute winter	FC4	Orifice	J3	0.4			
15 minute winter	J1	1.004	S2	0.8	0.507	0.142	0.0144
15 minute winter	J2	1.006	S3	3.0	0.878	0.223	0.0101
15 minute winter	J3	1.008	SA1	3.4	1.702	0.071	0.0292

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 (m³)	Flood (m³)	Status
30 minute summer	S1	24	54.437	0.013	0.4	0.0038	0.0000	OK
30 minute summer	S2	18	54.033	0.046	2.4	0.0252	0.0000	OK
30 minute summer	S3	19	53.904	0.026	2.8	0.0074	0.0000	OK
30 minute summer	S4	19	54.718	0.018	0.4	0.0065	0.0000	OK
30 minute summer	S5	23	54.693	0.096	0.8	0.0340	0.0000	OK
30 minute summer	S6	19	54.565	0.015	0.3	0.0053	0.0000	OK
30 minute summer	S7	22	54.546	0.084	0.6	0.0288	0.0000	OK
30 minute summer	S8	19	54.562	0.012	0.3	0.0040	0.0000	OK
30 minute summer	S9	23	54.387	0.087	0.6	0.0287	0.0000	OK
30 minute summer	S10	22	54.431	0.031	0.4	0.0114	0.0000	OK
30 minute summer	S11	23	54.431	0.135	0.8	0.0480	0.0000	SURCHARGED
30 minute summer	SA1	20	53.034	0.034	12.1	2.2506	0.0000	OK
30 minute summer	FC1	23	54.692	0.189	1.0	0.0163	0.0000	SURCHARGED
30 minute summer	FC2	22	54.387	0.153	0.7	0.0554	0.0000	SURCHARGED
30 minute summer	FC3	23	54.432	0.198	0.9	0.0771	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
30 minute summer	S1	1.003	J1	0.4	0.401	0.038	0.0124
30 minute summer	S2	1.005	J2	2.4	0.704	0.406	0.0148
30 minute summer	S3	1.007	J3	2.8	1.358	0.057	0.0030
30 minute summer	S4	1.000	S5	0.4	0.323	0.069	0.0464
30 minute summer	S5	1.001	FC1	0.6	0.207	0.107	0.0766
30 minute summer	S6	4.000	S7	0.3	0.288	0.051	0.0347
30 minute summer	S7	4.001	FC4	0.4	0.153	0.065	0.0515
30 minute summer	S8	2.000	S9	0.3	0.332	0.028	0.0301
30 minute summer	S9	2.001	FC2	0.4	0.164	0.067	0.0517
30 minute summer	S10	3.000	S11	0.4	0.262	0.063	0.0461
30 minute summer	S11	3.001	FC3	0.4	0.170	0.077	0.0700
30 minute summer	SA1	Infiltration		8.8			
30 minute summer	FC1	1.002	S1	0.4	0.512	0.070	0.0067
30 minute summer	FC2	Orifice	J1	0.4			
30 minute summer	FC3	Orifice	J2	0.4			

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 (m³)	Flood (m³)	Status
30 minute summer	FC4	23	54.547	0.151	0.8	0.0561	0.0000	SURCHARGED
30 minute summer	J1	25	54.066	0.025	0.8	0.0000	0.0000	OK
30 minute summer	J2	18	53.941	0.046	2.8	0.0000	0.0000	OK
30 minute summer	J3	19	53.799	0.026	3.1	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
30 minute summer	FC4	Orifice	J3	0.4			
30 minute summer	J1	1.004	S2	0.8	0.490	0.135	0.0136
30 minute summer	J2	1.006	S3	2.8	0.858	0.203	0.0094
30 minute summer	J3	1.008	SA1	3.1	1.673	0.065	0.0270

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	S1	25	54.438	0.014	0.4	0.0039	0.0000	OK
30 minute winter	S2	18	54.031	0.044	2.3	0.0243	0.0000	OK
30 minute winter	S3	19	53.904	0.026	2.7	0.0072	0.0000	OK
30 minute winter	S4	25	54.720	0.020	0.4	0.0071	0.0000	OK
30 minute winter	S5	24	54.719	0.122	0.8	0.0433	0.0000	SURCHARGED
30 minute winter	S6	25	54.569	0.019	0.3	0.0066	0.0000	OK
30 minute winter	S7	24	54.570	0.108	0.6	0.0367	0.0000	SURCHARGED
30 minute winter	S8	19	54.562	0.012	0.3	0.0040	0.0000	OK
30 minute winter	S9	24	54.415	0.115	0.7	0.0381	0.0000	SURCHARGED
30 minute winter	S10	24	54.451	0.051	0.4	0.0185	0.0000	OK
30 minute winter	S11	25	54.451	0.155	0.8	0.0549	0.0000	SURCHARGED
30 minute winter	SA1	21	53.035	0.035	11.2	2.2854	0.0000	OK
30 minute winter	FC1	24	54.719	0.216	0.9	0.0186	0.0000	SURCHARGED
30 minute winter	FC2	23	54.415	0.181	0.8	0.0653	0.0000	SURCHARGED
30 minute winter	FC3	25	54.451	0.217	0.8	0.0846	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
30 minute winter	S1	1.003	J1	0.4	0.408	0.041	0.0131
30 minute winter	S2	1.005	J2	2.3	0.693	0.382	0.0142
30 minute winter	S3	1.007	J3	2.7	1.338	0.056	0.0029
30 minute winter	S4	1.000	S5	0.4	0.303	0.069	0.0501
30 minute winter	S5	1.001	FC1	0.6	0.207	0.095	0.0771
30 minute winter	S6	4.000	S7	0.3	0.270	0.051	0.0408
30 minute winter	S7	4.001	FC4	0.4	0.179	0.065	0.0541
30 minute winter	S8	2.000	S9	0.3	0.323	0.028	0.0332
30 minute winter	S9	2.001	FC2	0.4	0.192	0.063	0.0539
30 minute winter	S10	3.000	S11	0.4	0.262	0.063	0.0549
30 minute winter	S11	3.001	FC3	0.4	0.170	0.081	0.0700
30 minute winter	SA1	Infiltration		9.0			
30 minute winter	FC1	1.002	S1	0.4	0.523	0.076	0.0071
30 minute winter	FC2	Orifice	J1	0.4			
30 minute winter	FC3	Orifice	J2	0.5			

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	FC4	23	54.570	0.174	0.7	0.0646	0.0000	SURCHARGED
30 minute winter	J1	27	54.067	0.026	0.9	0.0000	0.0000	OK
30 minute winter	J2	19	53.940	0.045	2.7	0.0000	0.0000	OK
30 minute winter	J3	19	53.799	0.026	3.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
30 minute winter	FC4	Orifice	J3	0.4			
30 minute winter	J1	1.004	S2	0.9	0.503	0.146	0.0134
30 minute winter	J2	1.006	S3	2.7	0.849	0.196	0.0092
30 minute winter	J3	1.008	SA1	3.0	1.722	0.064	0.0273

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	S1	40	54.437	0.013	0.4	0.0037	0.0000	OK
60 minute summer	S2	33	54.027	0.040	1.9	0.0221	0.0000	OK
60 minute summer	S3	34	53.902	0.024	2.3	0.0067	0.0000	OK
60 minute summer	S4	35	54.716	0.016	0.3	0.0056	0.0000	OK
60 minute summer	S5	39	54.682	0.085	0.6	0.0302	0.0000	OK
60 minute summer	S6	36	54.563	0.013	0.2	0.0043	0.0000	OK
60 minute summer	S7	39	54.537	0.075	0.4	0.0254	0.0000	OK
60 minute summer	S8	35	54.560	0.010	0.2	0.0033	0.0000	OK
60 minute summer	S9	39	54.376	0.076	0.4	0.0252	0.0000	OK
60 minute summer	S10	39	54.422	0.022	0.3	0.0078	0.0000	OK
60 minute summer	S11	39	54.421	0.125	0.6	0.0445	0.0000	SURCHARGED
60 minute summer	SA1	36	53.029	0.029	9.2	1.9177	0.0000	OK
60 minute summer	FC1	39	54.682	0.179	0.8	0.0154	0.0000	SURCHARGED
60 minute summer	FC2	39	54.376	0.142	0.6	0.0514	0.0000	SURCHARGED
60 minute summer	FC3	39	54.421	0.187	0.7	0.0728	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
60 minute summer	S1	1.003	J1	0.4	0.398	0.037	0.0121
60 minute summer	S2	1.005	J2	1.9	0.665	0.324	0.0126
60 minute summer	S3	1.007	J3	2.3	1.282	0.048	0.0026
60 minute summer	S4	1.000	S5	0.3	0.292	0.052	0.0427
60 minute summer	S5	1.001	FC1	0.5	0.207	0.078	0.0735
60 minute summer	S6	4.000	S7	0.2	0.270	0.034	0.0310
60 minute summer	S7	4.001	FC4	0.4	0.149	0.067	0.0487
60 minute summer	S8	2.000	S9	0.2	0.323	0.019	0.0268
60 minute summer	S9	2.001	FC2	0.4	0.157	0.061	0.0489
60 minute summer	S10	3.000	S11	0.3	0.259	0.047	0.0421
60 minute summer	S11	3.001	FC3	0.4	0.147	0.071	0.0700
60 minute summer	SA1	Infiltration		7.5			
60 minute summer	FC1	1.002	S1	0.4	0.507	0.068	0.0066
60 minute summer	FC2	Orifice	J1	0.4			
60 minute summer	FC3	Orifice	J2	0.4			

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	FC4	39	54.537	0.141	0.7	0.0523	0.0000	SURCHARGED
60 minute summer	J1	40	54.065	0.024	0.8	0.0000	0.0000	OK
60 minute summer	J2	34	53.936	0.041	2.3	0.0000	0.0000	OK
60 minute summer	J3	34	53.797	0.024	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
60 minute summer	FC4	Orifice	J3	0.4			
60 minute summer	J1	1.004	S2	0.8	0.464	0.130	0.0120
60 minute summer	J2	1.006	S3	2.3	0.815	0.167	0.0082
60 minute summer	J3	1.008	SA1	2.6	1.591	0.055	0.0225

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	S1	43	54.438	0.014	0.4	0.0039	0.0000	OK
60 minute winter	S2	33	54.026	0.039	1.8	0.0211	0.0000	OK
60 minute winter	S3	36	53.901	0.023	2.2	0.0065	0.0000	OK
60 minute winter	S4	35	54.716	0.016	0.3	0.0056	0.0000	OK
60 minute winter	S5	42	54.711	0.114	0.6	0.0404	0.0000	SURCHARGED
60 minute winter	S6	37	54.563	0.013	0.2	0.0043	0.0000	OK
60 minute winter	S7	41	54.553	0.091	0.4	0.0312	0.0000	OK
60 minute winter	S8	34	54.560	0.010	0.2	0.0033	0.0000	OK
60 minute winter	S9	41	54.393	0.093	0.4	0.0308	0.0000	OK
60 minute winter	S10	42	54.438	0.038	0.3	0.0139	0.0000	OK
60 minute winter	S11	42	54.438	0.142	0.6	0.0504	0.0000	SURCHARGED
60 minute winter	SA1	37	53.027	0.027	7.9	1.8091	0.0000	OK
60 minute winter	FC1	42	54.711	0.208	0.6	0.0179	0.0000	SURCHARGED
60 minute winter	FC2	41	54.393	0.159	0.6	0.0574	0.0000	SURCHARGED
60 minute winter	FC3	42	54.438	0.204	0.6	0.0794	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
60 minute winter	S1	1.003	J1	0.4	0.410	0.040	0.0128
60 minute winter	S2	1.005	J2	1.8	0.650	0.298	0.0118
60 minute winter	S3	1.007	J3	2.2	1.256	0.045	0.0025
60 minute winter	S4	1.000	S5	0.3	0.269	0.052	0.0473
60 minute winter	S5	1.001	FC1	0.4	0.207	0.067	0.0771
60 minute winter	S6	4.000	S7	0.2	0.269	0.034	0.0362
60 minute winter	S7	4.001	FC4	0.3	0.149	0.059	0.0530
60 minute winter	S8	2.000	S9	0.2	0.316	0.019	0.0315
60 minute winter	S9	2.001	FC2	0.3	0.157	0.056	0.0531
60 minute winter	S10	3.000	S11	0.3	0.261	0.047	0.0491
60 minute winter	S11	3.001	FC3	0.3	0.139	0.067	0.0700
60 minute winter	SA1	Infiltration		7.1			
60 minute winter	FC1	1.002	S1	0.4	0.520	0.074	0.0070
60 minute winter	FC2	Orifice	J1	0.4			
60 minute winter	FC3	Orifice	J2	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	FC4	41	54.553	0.157	0.6	0.0583	0.0000	SURCHARGED
60 minute winter	J1	43	54.066	0.025	0.8	0.0000	0.0000	OK
60 minute winter	J2	36	53.935	0.040	2.2	0.0000	0.0000	OK
60 minute winter	J3	37	53.797	0.024	2.5	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
60 minute winter	FC4	Orifice	J3	0.4			
60 minute winter	J1	1.004	S2	0.8	0.471	0.140	0.0119
60 minute winter	J2	1.006	S3	2.2	0.804	0.159	0.0079
60 minute winter	J3	1.008	SA1	2.5	1.594	0.053	0.0214

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	S1	72	54.437	0.013	0.4	0.0038	0.0000	OK
120 minute summer	S2	64	54.025	0.038	1.7	0.0205	0.0000	OK
120 minute summer	S3	66	53.900	0.022	2.1	0.0063	0.0000	OK
120 minute summer	S4	64	54.715	0.015	0.3	0.0056	0.0000	OK
120 minute summer	S5	72	54.694	0.097	0.6	0.0343	0.0000	OK
120 minute summer	S6	66	54.563	0.013	0.2	0.0043	0.0000	OK
120 minute summer	S7	70	54.551	0.089	0.4	0.0302	0.0000	OK
120 minute summer	S8	66	54.560	0.010	0.2	0.0033	0.0000	OK
120 minute summer	S9	70	54.390	0.090	0.4	0.0299	0.0000	OK
120 minute summer	S10	72	54.431	0.031	0.3	0.0113	0.0000	OK
120 minute summer	S11	72	54.432	0.136	0.6	0.0481	0.0000	SURCHARGED
120 minute summer	SA1	66	53.026	0.026	7.6	1.7472	0.0000	OK
120 minute summer	FC1	72	54.693	0.190	0.6	0.0164	0.0000	SURCHARGED
120 minute summer	FC2	70	54.390	0.156	0.5	0.0564	0.0000	SURCHARGED
120 minute summer	FC3	72	54.432	0.198	0.6	0.0772	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
120 minute summer	S1	1.003	J1	0.4	0.401	0.038	0.0125
120 minute summer	S2	1.005	J2	1.7	0.641	0.283	0.0114
120 minute summer	S3	1.007	J3	2.1	1.238	0.043	0.0024
120 minute summer	S4	1.000	S5	0.3	0.268	0.052	0.0462
120 minute summer	S5	1.001	FC1	0.4	0.198	0.066	0.0767
120 minute summer	S6	4.000	S7	0.2	0.248	0.034	0.0357
120 minute summer	S7	4.001	FC4	0.3	0.143	0.047	0.0524
120 minute summer	S8	2.000	S9	0.2	0.287	0.019	0.0310
120 minute summer	S9	2.001	FC2	0.3	0.150	0.049	0.0526
120 minute summer	S10	3.000	S11	0.3	0.222	0.047	0.0459
120 minute summer	S11	3.001	FC3	0.3	0.145	0.061	0.0700
120 minute summer	SA1	Infiltration		6.9			
120 minute summer	FC1	1.002	S1	0.4	0.513	0.071	0.0068
120 minute summer	FC2	Orifice	J1	0.4			
120 minute summer	FC3	Orifice	J2	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	FC4	70	54.550	0.154	0.5	0.0573	0.0000	SURCHARGED
120 minute summer	J1	72	54.066	0.025	0.8	0.0000	0.0000	OK
120 minute summer	J2	66	53.934	0.039	2.1	0.0000	0.0000	OK
120 minute summer	J3	66	53.796	0.023	2.4	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
120 minute summer	FC4	Orifice	J3	0.4			
120 minute summer	J1	1.004	S2	0.8	0.459	0.136	0.0115
120 minute summer	J2	1.006	S3	2.1	0.793	0.152	0.0076
120 minute summer	J3	1.008	SA1	2.4	1.615	0.051	0.0206

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	S1	76	54.438	0.014	0.4	0.0039	0.0000	OK
120 minute winter	S2	66	54.022	0.035	1.5	0.0192	0.0000	OK
120 minute winter	S3	66	53.899	0.021	1.9	0.0060	0.0000	OK
120 minute winter	S4	64	54.713	0.013	0.2	0.0046	0.0000	OK
120 minute winter	S5	76	54.707	0.110	0.4	0.0392	0.0000	SURCHARGED
120 minute winter	S6	54	54.559	0.009	0.1	0.0031	0.0000	OK
120 minute winter	S7	76	54.518	0.056	0.2	0.0191	0.0000	OK
120 minute winter	S8	48	54.557	0.007	0.1	0.0024	0.0000	OK
120 minute winter	S9	76	54.357	0.057	0.2	0.0188	0.0000	OK
120 minute winter	S10	76	54.430	0.030	0.2	0.0108	0.0000	OK
120 minute winter	S11	76	54.430	0.134	0.4	0.0475	0.0000	SURCHARGED
120 minute winter	SA1	68	53.023	0.023	6.2	1.5284	0.0000	OK
120 minute winter	FC1	76	54.707	0.204	0.6	0.0175	0.0000	SURCHARGED
120 minute winter	FC2	76	54.357	0.123	0.4	0.0443	0.0000	SURCHARGED
120 minute winter	FC3	76	54.430	0.196	0.5	0.0764	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
120 minute winter	S1	1.003	J1	0.4	0.420	0.039	0.0124
120 minute winter	S2	1.005	J2	1.5	0.621	0.251	0.0104
120 minute winter	S3	1.007	J3	1.9	1.208	0.039	0.0023
120 minute winter	S4	1.000	S5	0.2	0.268	0.035	0.0473
120 minute winter	S5	1.001	FC1	0.4	0.198	0.066	0.0771
120 minute winter	S6	4.000	S7	0.1	0.223	0.017	0.0224
120 minute winter	S7	4.001	FC4	0.2	0.150	0.038	0.0427
120 minute winter	S8	2.000	S9	0.1	0.281	0.009	0.0194
120 minute winter	S9	2.001	FC2	0.2	0.158	0.038	0.0427
120 minute winter	S10	3.000	S11	0.2	0.222	0.031	0.0454
120 minute winter	S11	3.001	FC3	0.3	0.138	0.059	0.0700
120 minute winter	SA1	Infiltration		6.0			
120 minute winter	FC1	1.002	S1	0.4	0.518	0.073	0.0069
120 minute winter	FC2	Orifice	J1	0.3			
120 minute winter	FC3	Orifice	J2	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	FC4	76	54.518	0.122	0.4	0.0452	0.0000	SURCHARGED
120 minute winter	J1	76	54.065	0.024	0.8	0.0000	0.0000	OK
120 minute winter	J2	66	53.933	0.038	1.9	0.0000	0.0000	OK
120 minute winter	J3	66	53.795	0.022	2.2	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
120 minute winter	FC4	Orifice	J3	0.3			
120 minute winter	J1	1.004	S2	0.8	0.455	0.131	0.0108
120 minute winter	J2	1.006	S3	1.9	0.775	0.139	0.0071
120 minute winter	J3	1.008	SA1	2.2	1.588	0.046	0.0179

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	S1	104	54.437	0.013	0.4	0.0037	0.0000	OK
180 minute summer	S2	96	54.022	0.035	1.5	0.0192	0.0000	OK
180 minute summer	S3	100	53.899	0.021	1.9	0.0060	0.0000	OK
180 minute summer	S4	100	54.713	0.013	0.2	0.0046	0.0000	OK
180 minute summer	S5	104	54.673	0.076	0.4	0.0270	0.0000	OK
180 minute summer	S6	96	54.563	0.013	0.2	0.0043	0.0000	OK
180 minute summer	S7	100	54.532	0.070	0.4	0.0239	0.0000	OK
180 minute summer	S8	96	54.560	0.010	0.2	0.0033	0.0000	OK
180 minute summer	S9	100	54.371	0.071	0.4	0.0236	0.0000	OK
180 minute summer	S10	104	54.418	0.018	0.2	0.0064	0.0000	OK
180 minute summer	S11	104	54.417	0.121	0.4	0.0430	0.0000	SURCHARGED
180 minute summer	SA1	100	53.023	0.023	6.4	1.5300	0.0000	OK
180 minute summer	FC1	104	54.673	0.170	0.5	0.0146	0.0000	SURCHARGED
180 minute summer	FC2	100	54.371	0.137	0.4	0.0496	0.0000	SURCHARGED
180 minute summer	FC3	104	54.417	0.183	0.5	0.0713	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
180 minute summer	S1	1.003	J1	0.4	0.394	0.036	0.0120
180 minute summer	S2	1.005	J2	1.5	0.620	0.249	0.0104
180 minute summer	S3	1.007	J3	1.9	1.198	0.039	0.0023
180 minute summer	S4	1.000	S5	0.2	0.264	0.035	0.0383
180 minute summer	S5	1.001	FC1	0.3	0.197	0.058	0.0701
180 minute summer	S6	4.000	S7	0.2	0.219	0.034	0.0288
180 minute summer	S7	4.001	FC4	0.3	0.119	0.043	0.0474
180 minute summer	S8	2.000	S9	0.2	0.276	0.019	0.0251
180 minute summer	S9	2.001	FC2	0.2	0.133	0.040	0.0475
180 minute summer	S10	3.000	S11	0.2	0.217	0.031	0.0406
180 minute summer	S11	3.001	FC3	0.3	0.110	0.059	0.0700
180 minute summer	SA1	Infiltration		6.0			
180 minute summer	FC1	1.002	S1	0.4	0.503	0.066	0.0065
180 minute summer	FC2	Orifice	J1	0.4			
180 minute summer	FC3	Orifice	J2	0.4			

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	FC4	100	54.532	0.136	0.5	0.0505	0.0000	SURCHARGED
180 minute summer	J1	104	54.065	0.024	0.8	0.0000	0.0000	OK
180 minute summer	J2	96	53.932	0.037	1.9	0.0000	0.0000	OK
180 minute summer	J3	100	53.795	0.022	2.2	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
180 minute summer	FC4	Orifice	J3	0.4			
180 minute summer	J1	1.004	S2	0.8	0.451	0.128	0.0108
180 minute summer	J2	1.006	S3	1.9	0.771	0.136	0.0071
180 minute summer	J3	1.008	SA1	2.2	1.575	0.046	0.0180

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	S1	104	54.437	0.013	0.4	0.0037	0.0000	OK
180 minute winter	S2	104	54.020	0.033	1.3	0.0180	0.0000	OK
180 minute winter	S3	104	53.898	0.020	1.7	0.0058	0.0000	OK
180 minute winter	S4	96	54.713	0.013	0.2	0.0046	0.0000	OK
180 minute winter	S5	104	54.677	0.080	0.4	0.0283	0.0000	OK
180 minute winter	S6	80	54.559	0.009	0.1	0.0031	0.0000	OK
180 minute winter	S7	104	54.510	0.048	0.2	0.0165	0.0000	OK
180 minute winter	S8	76	54.557	0.007	0.1	0.0024	0.0000	OK
180 minute winter	S9	104	54.349	0.049	0.2	0.0162	0.0000	OK
180 minute winter	S10	104	54.414	0.014	0.2	0.0052	0.0000	OK
180 minute winter	S11	104	54.414	0.118	0.4	0.0418	0.0000	SURCHARGED
180 minute winter	SA1	100	53.020	0.019	5.1	1.2910	0.0000	OK
180 minute winter	FC1	104	54.676	0.173	0.5	0.0149	0.0000	SURCHARGED
180 minute winter	FC2	104	54.349	0.115	0.4	0.0414	0.0000	SURCHARGED
180 minute winter	FC3	104	54.414	0.180	0.5	0.0700	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
180 minute winter	S1	1.003	J1	0.4	0.405	0.036	0.0118
180 minute winter	S2	1.005	J2	1.3	0.601	0.223	0.0095
180 minute winter	S3	1.007	J3	1.7	1.159	0.036	0.0022
180 minute winter	S4	1.000	S5	0.2	0.251	0.035	0.0399
180 minute winter	S5	1.001	FC1	0.3	0.197	0.047	0.0715
180 minute winter	S6	4.000	S7	0.1	0.219	0.017	0.0188
180 minute winter	S7	4.001	FC4	0.2	0.108	0.037	0.0400
180 minute winter	S8	2.000	S9	0.1	0.278	0.009	0.0162
180 minute winter	S9	2.001	FC2	0.2	0.119	0.036	0.0400
180 minute winter	S10	3.000	S11	0.2	0.217	0.031	0.0395
180 minute winter	S11	3.001	FC3	0.3	0.113	0.058	0.0700
180 minute winter	SA1	Infiltration		5.1			
180 minute winter	FC1	1.002	S1	0.4	0.505	0.067	0.0065
180 minute winter	FC2	Orifice	J1	0.3			
180 minute winter	FC3	Orifice	J2	0.4			

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	FC4	104	54.510	0.114	0.4	0.0424	0.0000	SURCHARGED
180 minute winter	J1	104	54.065	0.024	0.7	0.0000	0.0000	OK
180 minute winter	J2	104	53.931	0.036	1.7	0.0000	0.0000	OK
180 minute winter	J3	104	53.795	0.022	2.1	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
180 minute winter	FC4	Orifice	J3	0.3			
180 minute winter	J1	1.004	S2	0.7	0.436	0.123	0.0103
180 minute winter	J2	1.006	S3	1.7	0.758	0.128	0.0067
180 minute winter	J3	1.008	SA1	2.1	1.559	0.043	0.0157

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	S1	132	54.437	0.013	0.4	0.0036	0.0000	OK
240 minute summer	S2	128	54.020	0.033	1.4	0.0183	0.0000	OK
240 minute summer	S3	128	53.898	0.020	1.7	0.0058	0.0000	OK
240 minute summer	S4	128	54.713	0.013	0.2	0.0046	0.0000	OK
240 minute summer	S5	132	54.660	0.063	0.4	0.0224	0.0000	OK
240 minute summer	S6	116	54.559	0.009	0.1	0.0031	0.0000	OK
240 minute summer	S7	132	54.503	0.041	0.2	0.0139	0.0000	OK
240 minute summer	S8	112	54.557	0.007	0.1	0.0024	0.0000	OK
240 minute summer	S9	132	54.341	0.041	0.2	0.0136	0.0000	OK
240 minute summer	S10	128	54.412	0.012	0.2	0.0044	0.0000	OK
240 minute summer	S11	136	54.396	0.100	0.4	0.0356	0.0000	SURCHARGED
240 minute summer	SA1	128	53.021	0.021	5.6	1.3803	0.0000	OK
240 minute summer	FC1	132	54.660	0.157	0.5	0.0135	0.0000	SURCHARGED
240 minute summer	FC2	132	54.341	0.107	0.4	0.0387	0.0000	SURCHARGED
240 minute summer	FC3	136	54.396	0.162	0.5	0.0633	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
240 minute summer	S1	1.003	J1	0.4	0.401	0.034	0.0113
240 minute summer	S2	1.005	J2	1.4	0.606	0.229	0.0097
240 minute summer	S3	1.007	J3	1.7	1.173	0.036	0.0021
240 minute summer	S4	1.000	S5	0.2	0.264	0.035	0.0315
240 minute summer	S5	1.001	FC1	0.3	0.197	0.055	0.0641
240 minute summer	S6	4.000	S7	0.1	0.219	0.017	0.0154
240 minute summer	S7	4.001	FC4	0.2	0.108	0.036	0.0374
240 minute summer	S8	2.000	S9	0.1	0.278	0.009	0.0131
240 minute summer	S9	2.001	FC2	0.2	0.119	0.035	0.0374
240 minute summer	S10	3.000	S11	0.2	0.217	0.031	0.0380
240 minute summer	S11	3.001	FC3	0.3	0.110	0.053	0.0700
240 minute summer	SA1	Infiltration		5.4			
240 minute summer	FC1	1.002	S1	0.4	0.497	0.064	0.0063
240 minute summer	FC2	Orifice	J1	0.3			
240 minute summer	FC3	Orifice	J2	0.4			

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	FC4	132	54.502	0.106	0.3	0.0395	0.0000	SURCHARGED
240 minute summer	J1	132	54.064	0.023	0.7	0.0000	0.0000	OK
240 minute summer	J2	128	53.931	0.036	1.7	0.0000	0.0000	OK
240 minute summer	J3	128	53.794	0.021	2.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
240 minute summer	FC4	Orifice	J3	0.3			
240 minute summer	J1	1.004	S2	0.7	0.433	0.117	0.0102
240 minute summer	J2	1.006	S3	1.7	0.756	0.127	0.0067
240 minute summer	J3	1.008	SA1	2.0	1.549	0.043	0.0163

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	S1	168	54.435	0.011	0.3	0.0032	0.0000	OK
240 minute winter	S2	140	54.017	0.030	1.1	0.0162	0.0000	OK
240 minute winter	S3	140	53.896	0.018	1.4	0.0052	0.0000	OK
240 minute winter	S4	96	54.709	0.009	0.1	0.0033	0.0000	OK
240 minute winter	S5	96	54.610	0.013	0.2	0.0045	0.0000	OK
240 minute winter	S6	104	54.559	0.009	0.1	0.0031	0.0000	OK
240 minute winter	S7	160	54.492	0.030	0.2	0.0104	0.0000	OK
240 minute winter	S8	100	54.557	0.007	0.1	0.0024	0.0000	OK
240 minute winter	S9	160	54.331	0.031	0.2	0.0101	0.0000	OK
240 minute winter	S10	96	54.409	0.009	0.1	0.0032	0.0000	OK
240 minute winter	S11	140	54.362	0.066	0.2	0.0236	0.0000	OK
240 minute winter	SA1	128	53.017	0.017	4.5	1.1186	0.0000	OK
240 minute winter	FC1	168	54.607	0.104	0.3	0.0090	0.0000	SURCHARGED
240 minute winter	FC2	160	54.331	0.097	0.3	0.0348	0.0000	OK
240 minute winter	FC3	140	54.362	0.128	0.4	0.0500	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
240 minute winter	S1	1.003	J1	0.3	0.373	0.027	0.0101
240 minute winter	S2	1.005	J2	1.1	0.570	0.183	0.0083
240 minute winter	S3	1.007	J3	1.4	1.084	0.030	0.0019
240 minute winter	S4	1.000	S5	0.1	0.218	0.017	0.0052
240 minute winter	S5	1.001	FC1	0.2	0.197	0.034	0.0414
240 minute winter	S6	4.000	S7	0.1	0.219	0.017	0.0109
240 minute winter	S7	4.001	FC4	0.2	0.108	0.034	0.0337
240 minute winter	S8	2.000	S9	0.1	0.278	0.009	0.0091
240 minute winter	S9	2.001	FC2	0.2	0.119	0.034	0.0336
240 minute winter	S10	3.000	S11	0.1	0.217	0.016	0.0271
240 minute winter	S11	3.001	FC3	0.2	0.110	0.045	0.0597
240 minute winter	SA1	Infiltration		4.4			
240 minute winter	FC1	1.002	S1	0.3	0.463	0.051	0.0054
240 minute winter	FC2	Orifice	J1	0.3			
240 minute winter	FC3	Orifice	J2	0.3			

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	FC4	160	54.492	0.096	0.3	0.0358	0.0000	OK
240 minute winter	J1	160	54.062	0.021	0.6	0.0000	0.0000	OK
240 minute winter	J2	140	53.928	0.033	1.4	0.0000	0.0000	OK
240 minute winter	J3	140	53.793	0.020	1.7	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
240 minute winter	FC4	Orifice	J3	0.3			
240 minute winter	J1	1.004	S2	0.6	0.418	0.101	0.0089
240 minute winter	J2	1.006	S3	1.4	0.719	0.105	0.0059
240 minute winter	J3	1.008	SA1	1.7	1.539	0.036	0.0134

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	S1	224	54.435	0.011	0.3	0.0032	0.0000	OK
360 minute summer	S2	184	54.018	0.031	1.2	0.0168	0.0000	OK
360 minute summer	S3	184	53.897	0.019	1.5	0.0053	0.0000	OK
360 minute summer	S4	160	54.709	0.009	0.1	0.0033	0.0000	OK
360 minute summer	S5	160	54.610	0.013	0.2	0.0045	0.0000	OK
360 minute summer	S6	176	54.559	0.009	0.1	0.0031	0.0000	OK
360 minute summer	S7	208	54.489	0.027	0.2	0.0093	0.0000	OK
360 minute summer	S8	176	54.557	0.007	0.1	0.0024	0.0000	OK
360 minute summer	S9	208	54.327	0.027	0.2	0.0091	0.0000	OK
360 minute summer	S10	160	54.409	0.009	0.1	0.0032	0.0000	OK
360 minute summer	S11	200	54.357	0.061	0.2	0.0215	0.0000	OK
360 minute summer	SA1	192	53.017	0.017	4.6	1.1101	0.0000	OK
360 minute summer	FC1	224	54.607	0.104	0.3	0.0089	0.0000	SURCHARGED
360 minute summer	FC2	208	54.327	0.093	0.3	0.0337	0.0000	OK
360 minute summer	FC3	200	54.357	0.123	0.4	0.0478	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
360 minute summer	S1	1.003	J1	0.3	0.408	0.027	0.0100
360 minute summer	S2	1.005	J2	1.2	0.580	0.195	0.0087
360 minute summer	S3	1.007	J3	1.5	1.098	0.031	0.0020
360 minute summer	S4	1.000	S5	0.1	0.218	0.017	0.0052
360 minute summer	S5	1.001	FC1	0.2	0.161	0.034	0.0414
360 minute summer	S6	4.000	S7	0.1	0.219	0.017	0.0095
360 minute summer	S7	4.001	FC4	0.2	0.120	0.034	0.0322
360 minute summer	S8	2.000	S9	0.1	0.257	0.009	0.0079
360 minute summer	S9	2.001	FC2	0.2	0.120	0.034	0.0322
360 minute summer	S10	3.000	S11	0.1	0.209	0.016	0.0246
360 minute summer	S11	3.001	FC3	0.2	0.122	0.044	0.0572
360 minute summer	SA1	Infiltration		4.4			
360 minute summer	FC1	1.002	S1	0.3	0.463	0.051	0.0053
360 minute summer	FC2	Orifice	J1	0.3			
360 minute summer	FC3	Orifice	J2	0.3			

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	FC4	208	54.489	0.093	0.3	0.0346	0.0000	OK
360 minute summer	J1	208	54.062	0.021	0.6	0.0000	0.0000	OK
360 minute summer	J2	184	53.928	0.033	1.5	0.0000	0.0000	OK
360 minute summer	J3	184	53.793	0.020	1.7	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
360 minute summer	FC4	Orifice	J3	0.3			
360 minute summer	J1	1.004	S2	0.6	0.407	0.100	0.0091
360 minute summer	J2	1.006	S3	1.5	0.724	0.108	0.0060
360 minute summer	J3	1.008	SA1	1.7	1.524	0.037	0.0135

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	S1	240	54.435	0.011	0.3	0.0032	0.0000	OK
360 minute winter	S2	208	54.015	0.028	1.0	0.0155	0.0000	OK
360 minute winter	S3	208	53.895	0.017	1.3	0.0049	0.0000	OK
360 minute winter	S4	144	54.709	0.009	0.1	0.0033	0.0000	OK
360 minute winter	S5	144	54.610	0.013	0.2	0.0045	0.0000	OK
360 minute winter	S6	160	54.559	0.009	0.1	0.0031	0.0000	OK
360 minute winter	S7	224	54.493	0.031	0.2	0.0107	0.0000	OK
360 minute winter	S8	160	54.557	0.007	0.1	0.0024	0.0000	OK
360 minute winter	S9	224	54.331	0.031	0.2	0.0104	0.0000	OK
360 minute winter	S10	144	54.409	0.009	0.1	0.0032	0.0000	OK
360 minute winter	S11	240	54.332	0.036	0.2	0.0129	0.0000	OK
360 minute winter	SA1	192	53.014	0.014	3.7	0.9164	0.0000	OK
360 minute winter	FC1	240	54.607	0.104	0.3	0.0090	0.0000	SURCHARGED
360 minute winter	FC2	224	54.331	0.097	0.3	0.0351	0.0000	OK
360 minute winter	FC3	240	54.332	0.098	0.3	0.0383	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
360 minute winter	S1	1.003	J1	0.3	0.405	0.027	0.0101
360 minute winter	S2	1.005	J2	1.0	0.556	0.167	0.0077
360 minute winter	S3	1.007	J3	1.3	1.026	0.027	0.0018
360 minute winter	S4	1.000	S5	0.1	0.218	0.017	0.0052
360 minute winter	S5	1.001	FC1	0.2	0.161	0.034	0.0414
360 minute winter	S6	4.000	S7	0.1	0.219	0.017	0.0112
360 minute winter	S7	4.001	FC4	0.2	0.120	0.034	0.0341
360 minute winter	S8	2.000	S9	0.1	0.257	0.009	0.0094
360 minute winter	S9	2.001	FC2	0.2	0.120	0.034	0.0340
360 minute winter	S10	3.000	S11	0.1	0.209	0.016	0.0135
360 minute winter	S11	3.001	FC3	0.2	0.122	0.040	0.0464
360 minute winter	SA1	Infiltration		3.6			
360 minute winter	FC1	1.002	S1	0.3	0.463	0.051	0.0054
360 minute winter	FC2	Orifice	J1	0.3			
360 minute winter	FC3	Orifice	J2	0.3			

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	FC4	224	54.493	0.097	0.3	0.0361	0.0000	OK
360 minute winter	J1	224	54.062	0.021	0.6	0.0000	0.0000	OK
360 minute winter	J2	208	53.926	0.031	1.3	0.0000	0.0000	OK
360 minute winter	J3	208	53.793	0.020	1.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
360 minute winter	FC4	Orifice	J3	0.3			
360 minute winter	J1	1.004	S2	0.6	0.423	0.101	0.0086
360 minute winter	J2	1.006	S3	1.3	0.697	0.095	0.0054
360 minute winter	J3	1.008	SA1	1.6	1.537	0.033	0.0118

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	S1	288	54.435	0.011	0.3	0.0032	0.0000	OK
480 minute summer	S2	256	54.015	0.028	1.0	0.0154	0.0000	OK
480 minute summer	S3	256	53.895	0.017	1.3	0.0049	0.0000	OK
480 minute summer	S4	216	54.709	0.009	0.1	0.0033	0.0000	OK
480 minute summer	S5	216	54.610	0.013	0.2	0.0045	0.0000	OK
480 minute summer	S6	232	54.559	0.009	0.1	0.0031	0.0000	OK
480 minute summer	S7	272	54.491	0.029	0.2	0.0098	0.0000	OK
480 minute summer	S8	232	54.557	0.007	0.1	0.0024	0.0000	OK
480 minute summer	S9	272	54.329	0.029	0.2	0.0096	0.0000	OK
480 minute summer	S10	216	54.409	0.009	0.1	0.0032	0.0000	OK
480 minute summer	S11	288	54.331	0.035	0.2	0.0125	0.0000	OK
480 minute summer	SA1	248	53.015	0.015	3.8	0.9689	0.0000	OK
480 minute summer	FC1	288	54.607	0.104	0.3	0.0090	0.0000	SURCHARGED
480 minute summer	FC2	272	54.329	0.095	0.3	0.0342	0.0000	OK
480 minute summer	FC3	288	54.331	0.097	0.3	0.0379	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
480 minute summer	S1	1.003	J1	0.3	0.407	0.027	0.0100
480 minute summer	S2	1.005	J2	1.0	0.554	0.165	0.0077
480 minute summer	S3	1.007	J3	1.3	1.031	0.027	0.0018
480 minute summer	S4	1.000	S5	0.1	0.218	0.017	0.0052
480 minute summer	S5	1.001	FC1	0.2	0.161	0.034	0.0414
480 minute summer	S6	4.000	S7	0.1	0.219	0.017	0.0101
480 minute summer	S7	4.001	FC4	0.2	0.120	0.034	0.0329
480 minute summer	S8	2.000	S9	0.1	0.257	0.009	0.0085
480 minute summer	S9	2.001	FC2	0.2	0.120	0.034	0.0329
480 minute summer	S10	3.000	S11	0.1	0.209	0.016	0.0130
480 minute summer	S11	3.001	FC3	0.2	0.122	0.040	0.0458
480 minute summer	SA1	Infiltration		3.8			
480 minute summer	FC1	1.002	S1	0.3	0.463	0.051	0.0054
480 minute summer	FC2	Orifice	J1	0.3			
480 minute summer	FC3	Orifice	J2	0.3			

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	FC4	272	54.491	0.095	0.3	0.0351	0.0000	OK
480 minute summer	J1	272	54.062	0.021	0.6	0.0000	0.0000	OK
480 minute summer	J2	256	53.926	0.031	1.3	0.0000	0.0000	OK
480 minute summer	J3	256	53.793	0.020	1.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
480 minute summer	FC4	Orifice	J3	0.3			
480 minute summer	J1	1.004	S2	0.6	0.422	0.100	0.0085
480 minute summer	J2	1.006	S3	1.3	0.694	0.094	0.0054
480 minute summer	J3	1.008	SA1	1.6	1.523	0.033	0.0120

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	S1	304	54.435	0.011	0.3	0.0032	0.0000	OK
480 minute winter	S2	280	54.014	0.027	0.9	0.0147	0.0000	OK
480 minute winter	S3	280	53.895	0.017	1.2	0.0047	0.0000	OK
480 minute winter	S4	200	54.709	0.009	0.1	0.0033	0.0000	OK
480 minute winter	S5	200	54.610	0.013	0.2	0.0045	0.0000	OK
480 minute winter	S6	224	54.559	0.009	0.1	0.0031	0.0000	OK
480 minute winter	S7	280	54.493	0.031	0.2	0.0104	0.0000	OK
480 minute winter	S8	224	54.557	0.007	0.1	0.0024	0.0000	OK
480 minute winter	S9	280	54.331	0.031	0.2	0.0102	0.0000	OK
480 minute winter	S10	200	54.409	0.009	0.1	0.0032	0.0000	OK
480 minute winter	S11	304	54.333	0.037	0.2	0.0130	0.0000	OK
480 minute winter	SA1	248	53.012	0.012	3.2	0.8013	0.0000	OK
480 minute winter	FC1	304	54.607	0.104	0.3	0.0090	0.0000	SURCHARGED
480 minute winter	FC2	280	54.331	0.097	0.3	0.0349	0.0000	OK
480 minute winter	FC3	304	54.332	0.098	0.3	0.0384	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
480 minute winter	S1	1.003	J1	0.3	0.423	0.027	0.0101
480 minute winter	S2	1.005	J2	0.9	0.540	0.151	0.0072
480 minute winter	S3	1.007	J3	1.2	0.986	0.025	0.0018
480 minute winter	S4	1.000	S5	0.1	0.218	0.017	0.0052
480 minute winter	S5	1.001	FC1	0.2	0.161	0.034	0.0414
480 minute winter	S6	4.000	S7	0.1	0.219	0.017	0.0110
480 minute winter	S7	4.001	FC4	0.2	0.120	0.034	0.0338
480 minute winter	S8	2.000	S9	0.1	0.257	0.009	0.0091
480 minute winter	S9	2.001	FC2	0.2	0.120	0.034	0.0337
480 minute winter	S10	3.000	S11	0.1	0.210	0.016	0.0136
480 minute winter	S11	3.001	FC3	0.2	0.119	0.040	0.0465
480 minute winter	SA1	Infiltration		3.1			
480 minute winter	FC1	1.002	S1	0.3	0.463	0.051	0.0054
480 minute winter	FC2	Orifice	J1	0.3			
480 minute winter	FC3	Orifice	J2	0.3			

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	FC4	280	54.493	0.097	0.3	0.0358	0.0000	OK
480 minute winter	J1	280	54.062	0.021	0.6	0.0000	0.0000	OK
480 minute winter	J2	280	53.925	0.030	1.2	0.0000	0.0000	OK
480 minute winter	J3	280	53.793	0.020	1.5	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
480 minute winter	FC4	Orifice	J3	0.3			
480 minute winter	J1	1.004	S2	0.6	0.410	0.101	0.0082
480 minute winter	J2	1.006	S3	1.2	0.682	0.088	0.0051
480 minute winter	J3	1.008	SA1	1.5	1.554	0.031	0.0108

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	S1	345	54.435	0.011	0.3	0.0032	0.0000	OK
600 minute summer	S2	315	54.015	0.028	1.0	0.0154	0.0000	OK
600 minute summer	S3	315	53.895	0.017	1.3	0.0049	0.0000	OK
600 minute summer	S4	285	54.709	0.009	0.1	0.0033	0.0000	OK
600 minute summer	S5	285	54.610	0.013	0.2	0.0045	0.0000	OK
600 minute summer	S6	300	54.559	0.009	0.1	0.0031	0.0000	OK
600 minute summer	S7	330	54.489	0.027	0.2	0.0093	0.0000	OK
600 minute summer	S8	300	54.557	0.007	0.1	0.0024	0.0000	OK
600 minute summer	S9	330	54.327	0.027	0.2	0.0091	0.0000	OK
600 minute summer	S10	285	54.409	0.009	0.1	0.0032	0.0000	OK
600 minute summer	S11	345	54.331	0.035	0.2	0.0123	0.0000	OK
600 minute summer	SA1	315	53.013	0.013	3.3	0.8475	0.0000	OK
600 minute summer	FC1	345	54.607	0.104	0.3	0.0089	0.0000	SURCHARGED
600 minute summer	FC2	330	54.327	0.093	0.3	0.0337	0.0000	OK
600 minute summer	FC3	345	54.330	0.096	0.3	0.0376	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
600 minute summer	S1	1.003	J1	0.3	0.391	0.027	0.0100
600 minute summer	S2	1.005	J2	1.0	0.553	0.164	0.0076
600 minute summer	S3	1.007	J3	1.3	1.015	0.026	0.0018
600 minute summer	S4	1.000	S5	0.1	0.218	0.017	0.0052
600 minute summer	S5	1.001	FC1	0.2	0.112	0.034	0.0414
600 minute summer	S6	4.000	S7	0.1	0.216	0.017	0.0095
600 minute summer	S7	4.001	FC4	0.2	0.091	0.033	0.0322
600 minute summer	S8	2.000	S9	0.1	0.256	0.009	0.0079
600 minute summer	S9	2.001	FC2	0.2	0.090	0.033	0.0322
600 minute summer	S10	3.000	S11	0.1	0.208	0.016	0.0127
600 minute summer	S11	3.001	FC3	0.2	0.092	0.039	0.0453
600 minute summer	SA1	Infiltration		3.3			
600 minute summer	FC1	1.002	S1	0.3	0.463	0.051	0.0053
600 minute summer	FC2	Orifice	J1	0.3			
600 minute summer	FC3	Orifice	J2	0.3			

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	FC4	330	54.489	0.093	0.3	0.0346	0.0000	OK
600 minute summer	J1	330	54.062	0.021	0.6	0.0000	0.0000	OK
600 minute summer	J2	315	53.926	0.031	1.3	0.0000	0.0000	OK
600 minute summer	J3	315	53.793	0.020	1.5	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
600 minute summer	FC4	Orifice	J3	0.3			
600 minute summer	J1	1.004	S2	0.6	0.415	0.100	0.0085
600 minute summer	J2	1.006	S3	1.3	0.693	0.093	0.0054
600 minute summer	J3	1.008	SA1	1.5	1.514	0.032	0.0114

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	S1	360	54.435	0.011	0.3	0.0032	0.0000	OK
600 minute winter	S2	315	54.013	0.026	0.9	0.0144	0.0000	OK
600 minute winter	S3	315	53.894	0.016	1.2	0.0047	0.0000	OK
600 minute winter	S4	270	54.709	0.009	0.1	0.0033	0.0000	OK
600 minute winter	S5	270	54.610	0.013	0.2	0.0045	0.0000	OK
600 minute winter	S6	315	54.559	0.009	0.1	0.0031	0.0000	OK
600 minute winter	S7	315	54.478	0.016	0.2	0.0053	0.0000	OK
600 minute winter	S8	315	54.557	0.007	0.1	0.0024	0.0000	OK
600 minute winter	S9	315	54.316	0.016	0.2	0.0053	0.0000	OK
600 minute winter	S10	270	54.409	0.009	0.1	0.0032	0.0000	OK
600 minute winter	S11	360	54.332	0.036	0.2	0.0129	0.0000	OK
600 minute winter	SA1	315	53.011	0.011	2.8	0.7117	0.0000	OK
600 minute winter	FC1	360	54.607	0.104	0.3	0.0090	0.0000	SURCHARGED
600 minute winter	FC2	315	54.316	0.082	0.3	0.0295	0.0000	OK
600 minute winter	FC3	360	54.332	0.098	0.3	0.0383	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
600 minute winter	S1	1.003	J1	0.3	0.427	0.027	0.0098
600 minute winter	S2	1.005	J2	0.9	0.535	0.146	0.0070
600 minute winter	S3	1.007	J3	1.2	0.976	0.024	0.0017
600 minute winter	S4	1.000	S5	0.1	0.218	0.017	0.0052
600 minute winter	S5	1.001	FC1	0.2	0.112	0.034	0.0414
600 minute winter	S6	4.000	S7	0.1	0.216	0.017	0.0052
600 minute winter	S7	4.001	FC4	0.2	0.091	0.031	0.0264
600 minute winter	S8	2.000	S9	0.1	0.256	0.009	0.0042
600 minute winter	S9	2.001	FC2	0.2	0.090	0.031	0.0264
600 minute winter	S10	3.000	S11	0.1	0.208	0.016	0.0134
600 minute winter	S11	3.001	FC3	0.2	0.092	0.040	0.0463
600 minute winter	SA1	Infiltration		2.8			
600 minute winter	FC1	1.002	S1	0.3	0.463	0.051	0.0054
600 minute winter	FC2	Orifice	J1	0.3			
600 minute winter	FC3	Orifice	J2	0.3			

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	FC4	315	54.478	0.082	0.3	0.0303	0.0000	OK
600 minute winter	J1	315	54.062	0.021	0.6	0.0000	0.0000	OK
600 minute winter	J2	315	53.925	0.030	1.2	0.0000	0.0000	OK
600 minute winter	J3	315	53.793	0.020	1.4	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
600 minute winter	FC4	Orifice	J3	0.3			
600 minute winter	J1	1.004	S2	0.6	0.402	0.096	0.0080
600 minute winter	J2	1.006	S3	1.2	0.677	0.085	0.0050
600 minute winter	J3	1.008	SA1	1.4	1.547	0.030	0.0103

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	S1	405	54.435	0.011	0.3	0.0032	0.0000	OK
720 minute summer	S2	390	54.014	0.027	0.9	0.0146	0.0000	OK
720 minute summer	S3	390	53.895	0.017	1.2	0.0047	0.0000	OK
720 minute summer	S4	345	54.709	0.009	0.1	0.0033	0.0000	OK
720 minute summer	S5	345	54.610	0.013	0.2	0.0045	0.0000	OK
720 minute summer	S6	360	54.559	0.009	0.1	0.0031	0.0000	OK
720 minute summer	S7	390	54.489	0.027	0.2	0.0093	0.0000	OK
720 minute summer	S8	360	54.557	0.007	0.1	0.0024	0.0000	OK
720 minute summer	S9	390	54.327	0.027	0.2	0.0091	0.0000	OK
720 minute summer	S10	345	54.409	0.009	0.1	0.0032	0.0000	OK
720 minute summer	S11	405	54.331	0.035	0.2	0.0123	0.0000	OK
720 minute summer	SA1	375	53.012	0.012	3.0	0.7716	0.0000	OK
720 minute summer	FC1	405	54.607	0.104	0.3	0.0089	0.0000	SURCHARGED
720 minute summer	FC2	390	54.327	0.093	0.3	0.0337	0.0000	OK
720 minute summer	FC3	405	54.330	0.096	0.3	0.0376	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
720 minute summer	S1	1.003	J1	0.3	0.391	0.027	0.0100
720 minute summer	S2	1.005	J2	0.9	0.539	0.149	0.0071
720 minute summer	S3	1.007	J3	1.2	0.980	0.025	0.0018
720 minute summer	S4	1.000	S5	0.1	0.218	0.017	0.0052
720 minute summer	S5	1.001	FC1	0.2	0.112	0.034	0.0414
720 minute summer	S6	4.000	S7	0.1	0.216	0.017	0.0095
720 minute summer	S7	4.001	FC4	0.2	0.091	0.033	0.0322
720 minute summer	S8	2.000	S9	0.1	0.256	0.009	0.0079
720 minute summer	S9	2.001	FC2	0.2	0.090	0.033	0.0322
720 minute summer	S10	3.000	S11	0.1	0.208	0.016	0.0127
720 minute summer	S11	3.001	FC3	0.2	0.092	0.039	0.0453
720 minute summer	SA1	Infiltration		3.0			
720 minute summer	FC1	1.002	S1	0.3	0.463	0.051	0.0053
720 minute summer	FC2	Orifice	J1	0.3			
720 minute summer	FC3	Orifice	J2	0.3			

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	FC4	390	54.489	0.093	0.3	0.0346	0.0000	OK
720 minute summer	J1	390	54.062	0.021	0.6	0.0000	0.0000	OK
720 minute summer	J2	390	53.925	0.030	1.2	0.0000	0.0000	OK
720 minute summer	J3	390	53.793	0.020	1.5	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
720 minute summer	FC4	Orifice	J3	0.3			
720 minute summer	J1	1.004	S2	0.6	0.415	0.100	0.0082
720 minute summer	J2	1.006	S3	1.2	0.680	0.087	0.0051
720 minute summer	J3	1.008	SA1	1.5	1.543	0.031	0.0106

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	S1	420	54.435	0.011	0.3	0.0032	0.0000	OK
720 minute winter	S2	420	54.009	0.022	0.6	0.0119	0.0000	OK
720 minute winter	S3	405	53.893	0.015	0.9	0.0041	0.0000	OK
720 minute winter	S4	330	54.709	0.009	0.1	0.0033	0.0000	OK
720 minute winter	S5	330	54.610	0.013	0.2	0.0045	0.0000	OK
720 minute winter	S6	15	54.550	0.000	0.0	0.0000	0.0000	OK
720 minute winter	S7	15	54.462	0.000	0.0	0.0000	0.0000	OK
720 minute winter	S8	15	54.550	0.000	0.0	0.0000	0.0000	OK
720 minute winter	S9	15	54.300	0.000	0.0	0.0000	0.0000	OK
720 minute winter	S10	330	54.409	0.009	0.1	0.0032	0.0000	OK
720 minute winter	S11	420	54.332	0.036	0.2	0.0129	0.0000	OK
720 minute winter	SA1	390	53.008	0.008	2.2	0.5582	0.0000	OK
720 minute winter	FC1	420	54.607	0.104	0.3	0.0090	0.0000	SURCHARGED
720 minute winter	FC2	360	54.255	0.021	0.1	0.0076	0.0000	OK
720 minute winter	FC3	420	54.332	0.098	0.3	0.0383	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
720 minute winter	S1	1.003	J1	0.3	0.427	0.027	0.0083
720 minute winter	S2	1.005	J2	0.6	0.482	0.101	0.0054
720 minute winter	S3	1.007	J3	0.9	0.930	0.019	0.0014
720 minute winter	S4	1.000	S5	0.1	0.218	0.017	0.0052
720 minute winter	S5	1.001	FC1	0.2	0.112	0.034	0.0414
720 minute winter	S6	4.000	S7	0.0	0.000	0.000	0.0000
720 minute winter	S7	4.001	FC4	0.0	0.000	0.000	0.0042
720 minute winter	S8	2.000	S9	0.0	0.000	0.000	0.0000
720 minute winter	S9	2.001	FC2	0.0	0.000	0.000	0.0042
720 minute winter	S10	3.000	S11	0.1	0.208	0.016	0.0134
720 minute winter	S11	3.001	FC3	0.2	0.092	0.040	0.0463
720 minute winter	SA1	Infiltration		2.2			
720 minute winter	FC1	1.002	S1	0.3	0.463	0.051	0.0054
720 minute winter	FC2	Orifice	J1	0.1			
720 minute winter	FC3	Orifice	J2	0.3			

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	FC4	360	54.417	0.021	0.1	0.0079	0.0000	OK
720 minute winter	J1	420	54.059	0.018	0.4	0.0000	0.0000	OK
720 minute winter	J2	420	53.921	0.026	0.9	0.0000	0.0000	OK
720 minute winter	J3	420	53.790	0.017	1.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
720 minute winter	FC4	Orifice	J3	0.1			
720 minute winter	J1	1.004	S2	0.4	0.367	0.068	0.0062
720 minute winter	J2	1.006	S3	0.9	0.625	0.066	0.0042
720 minute winter	J3	1.008	SA1	1.0	1.470	0.021	0.0079

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	S1	510	54.435	0.011	0.3	0.0032	0.0000	OK
960 minute summer	S2	495	54.010	0.023	0.7	0.0128	0.0000	OK
960 minute summer	S3	495	53.893	0.015	1.0	0.0043	0.0000	OK
960 minute summer	S4	480	54.709	0.009	0.1	0.0033	0.0000	OK
960 minute summer	S5	480	54.610	0.013	0.2	0.0045	0.0000	OK
960 minute summer	S6	15	54.550	0.000	0.0	0.0000	0.0000	OK
960 minute summer	S7	15	54.462	0.000	0.0	0.0000	0.0000	OK
960 minute summer	S8	15	54.550	0.000	0.0	0.0000	0.0000	OK
960 minute summer	S9	15	54.300	0.000	0.0	0.0000	0.0000	OK
960 minute summer	S10	480	54.409	0.009	0.1	0.0032	0.0000	OK
960 minute summer	S11	510	54.326	0.030	0.2	0.0107	0.0000	OK
960 minute summer	SA1	495	53.009	0.009	2.4	0.5981	0.0000	OK
960 minute summer	FC1	510	54.605	0.102	0.3	0.0088	0.0000	SURCHARGED
960 minute summer	FC2	510	54.255	0.021	0.1	0.0076	0.0000	OK
960 minute summer	FC3	510	54.326	0.092	0.3	0.0358	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
960 minute summer	S1	1.003	J1	0.3	0.425	0.027	0.0082
960 minute summer	S2	1.005	J2	0.7	0.501	0.115	0.0059
960 minute summer	S3	1.007	J3	1.0	0.957	0.020	0.0015
960 minute summer	S4	1.000	S5	0.1	0.218	0.017	0.0052
960 minute summer	S5	1.001	FC1	0.2	0.112	0.034	0.0414
960 minute summer	S6	4.000	S7	0.0	0.000	0.000	0.0000
960 minute summer	S7	4.001	FC4	0.0	0.000	0.000	0.0042
960 minute summer	S8	2.000	S9	0.0	0.000	0.000	0.0000
960 minute summer	S9	2.001	FC2	0.0	0.000	0.000	0.0042
960 minute summer	S10	3.000	S11	0.1	0.208	0.016	0.0107
960 minute summer	S11	3.001	FC3	0.2	0.092	0.038	0.0425
960 minute summer	SA1	Infiltration		2.4			
960 minute summer	FC1	1.002	S1	0.3	0.462	0.050	0.0053
960 minute summer	FC2	Orifice	J1	0.1			
960 minute summer	FC3	Orifice	J2	0.3			

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	FC4	510	54.417	0.021	0.1	0.0079	0.0000	OK
960 minute summer	J1	510	54.059	0.018	0.4	0.0000	0.0000	OK
960 minute summer	J2	495	53.922	0.027	1.0	0.0000	0.0000	OK
960 minute summer	J3	495	53.790	0.017	1.1	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
960 minute summer	FC4	Orifice	J3	0.1			
960 minute summer	J1	1.004	S2	0.4	0.364	0.067	0.0065
960 minute summer	J2	1.006	S3	1.0	0.637	0.071	0.0045
960 minute summer	J3	1.008	SA1	1.1	1.439	0.022	0.0083

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	S1	15	54.424	0.000	0.0	0.0000	0.0000	OK
960 minute winter	S2	420	54.000	0.013	0.2	0.0070	0.0000	OK
960 minute winter	S3	510	53.887	0.009	0.3	0.0024	0.0000	OK
960 minute winter	S4	15	54.700	0.000	0.0	0.0000	0.0000	OK
960 minute winter	S5	15	54.597	0.000	0.0	0.0000	0.0000	OK
960 minute winter	S6	15	54.550	0.000	0.0	0.0000	0.0000	OK
960 minute winter	S7	15	54.462	0.000	0.0	0.0000	0.0000	OK
960 minute winter	S8	15	54.550	0.000	0.0	0.0000	0.0000	OK
960 minute winter	S9	15	54.300	0.000	0.0	0.0000	0.0000	OK
960 minute winter	S10	15	54.400	0.000	0.0	0.0000	0.0000	OK
960 minute winter	S11	15	54.296	0.000	0.0	0.0000	0.0000	OK
960 minute winter	SA1	510	53.005	0.005	1.3	0.3307	0.0000	OK
960 minute winter	FC1	15	54.503	0.000	0.0	0.0000	0.0000	OK
960 minute winter	FC2	15	54.234	0.000	0.0	0.0000	0.0000	OK
960 minute winter	FC3	480	54.255	0.021	0.1	0.0083	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
960 minute winter	S1	1.003	J1	0.0	0.000	0.000	0.0000
960 minute winter	S2	1.005	J2	0.2	0.350	0.034	0.0025
960 minute winter	S3	1.007	J3	0.3	0.698	0.006	0.0006
960 minute winter	S4	1.000	S5	0.0	0.000	0.000	0.0000
960 minute winter	S5	1.001	FC1	0.0	0.000	0.000	0.0000
960 minute winter	S6	4.000	S7	0.0	0.000	0.000	0.0000
960 minute winter	S7	4.001	FC4	0.0	0.000	0.000	0.0000
960 minute winter	S8	2.000	S9	0.0	0.000	0.000	0.0000
960 minute winter	S9	2.001	FC2	0.0	0.000	0.000	0.0000
960 minute winter	S10	3.000	S11	0.0	0.000	0.000	0.0000
960 minute winter	S11	3.001	FC3	0.0	0.000	0.000	0.0054
960 minute winter	SA1	Infiltration		1.3			
960 minute winter	FC1	1.002	S1	0.0	0.000	0.000	0.0000
960 minute winter	FC2	Orifice	J1	0.0			
960 minute winter	FC3	Orifice	J2	0.1			

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	FC4	15	54.396	0.000	0.0	0.0000	0.0000	OK
960 minute winter	J1	15	54.041	0.000	0.0	0.0000	0.0000	OK
960 minute winter	J2	555	53.911	0.016	0.3	0.0000	0.0000	OK
960 minute winter	J3	555	53.783	0.010	0.3	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
960 minute winter	FC4	Orifice	J3	0.0			
960 minute winter	J1	1.004	S2	0.0	0.000	0.000	0.0016
960 minute winter	J2	1.006	S3	0.3	0.442	0.022	0.0020
960 minute winter	J3	1.008	SA1	0.3	1.031	0.006	0.0034

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	S1	30	54.424	0.000	0.0	0.0000	0.0000	OK
1440 minute summer	S2	720	54.000	0.013	0.2	0.0070	0.0000	OK
1440 minute summer	S3	750	53.887	0.009	0.3	0.0024	0.0000	OK
1440 minute summer	S4	30	54.700	0.000	0.0	0.0000	0.0000	OK
1440 minute summer	S5	30	54.597	0.000	0.0	0.0000	0.0000	OK
1440 minute summer	S6	30	54.550	0.000	0.0	0.0000	0.0000	OK
1440 minute summer	S7	30	54.462	0.000	0.0	0.0000	0.0000	OK
1440 minute summer	S8	30	54.550	0.000	0.0	0.0000	0.0000	OK
1440 minute summer	S9	30	54.300	0.000	0.0	0.0000	0.0000	OK
1440 minute summer	S10	30	54.400	0.000	0.0	0.0000	0.0000	OK
1440 minute summer	S11	30	54.296	0.000	0.0	0.0000	0.0000	OK
1440 minute summer	SA1	750	53.005	0.005	1.2	0.3053	0.0000	OK
1440 minute summer	FC1	30	54.503	0.000	0.0	0.0000	0.0000	OK
1440 minute summer	FC2	30	54.234	0.000	0.0	0.0000	0.0000	OK
1440 minute summer	FC3	750	54.255	0.021	0.1	0.0083	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
1440 minute summer	S1	1.003	J1	0.0	0.000	0.000	0.0000
1440 minute summer	S2	1.005	J2	0.2	0.350	0.034	0.0025
1440 minute summer	S3	1.007	J3	0.3	0.693	0.006	0.0006
1440 minute summer	S4	1.000	S5	0.0	0.000	0.000	0.0000
1440 minute summer	S5	1.001	FC1	0.0	0.000	0.000	0.0000
1440 minute summer	S6	4.000	S7	0.0	0.000	0.000	0.0000
1440 minute summer	S7	4.001	FC4	0.0	0.000	0.000	0.0000
1440 minute summer	S8	2.000	S9	0.0	0.000	0.000	0.0000
1440 minute summer	S9	2.001	FC2	0.0	0.000	0.000	0.0000
1440 minute summer	S10	3.000	S11	0.0	0.000	0.000	0.0000
1440 minute summer	S11	3.001	FC3	0.0	0.000	0.000	0.0054
1440 minute summer	SA1	Infiltration		1.2			
1440 minute summer	FC1	1.002	S1	0.0	0.000	0.000	0.0000
1440 minute summer	FC2	Orifice	J1	0.0			
1440 minute summer	FC3	Orifice	J2	0.1			

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	FC4	30	54.396	0.000	0.0	0.0000	0.0000	OK
1440 minute summer	J1	30	54.041	0.000	0.0	0.0000	0.0000	OK
1440 minute summer	J2	750	53.911	0.016	0.3	0.0000	0.0000	OK
1440 minute summer	J3	750	53.783	0.010	0.3	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
1440 minute summer	FC4	Orifice	J3	0.0			
1440 minute summer	J1	1.004	S2	0.0	0.000	0.000	0.0016
1440 minute summer	J2	1.006	S3	0.3	0.442	0.022	0.0020
1440 minute summer	J3	1.008	SA1	0.3	1.008	0.006	0.0034

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	S1	30	54.424	0.000	0.0	0.0000	0.0000	OK
1440 minute winter	S2	480	53.996	0.009	0.1	0.0050	0.0000	OK
1440 minute winter	S3	480	53.883	0.005	0.1	0.0015	0.0000	OK
1440 minute winter	S4	30	54.700	0.000	0.0	0.0000	0.0000	OK
1440 minute winter	S5	30	54.597	0.000	0.0	0.0000	0.0000	OK
1440 minute winter	S6	30	54.550	0.000	0.0	0.0000	0.0000	OK
1440 minute winter	S7	30	54.462	0.000	0.0	0.0000	0.0000	OK
1440 minute winter	S8	30	54.550	0.000	0.0	0.0000	0.0000	OK
1440 minute winter	S9	30	54.300	0.000	0.0	0.0000	0.0000	OK
1440 minute winter	S10	30	54.400	0.000	0.0	0.0000	0.0000	OK
1440 minute winter	S11	30	54.296	0.000	0.0	0.0000	0.0000	OK
1440 minute winter	SA1	750	53.003	0.003	0.8	0.2035	0.0000	OK
1440 minute winter	FC1	30	54.503	0.000	0.0	0.0000	0.0000	OK
1440 minute winter	FC2	30	54.234	0.000	0.0	0.0000	0.0000	OK
1440 minute winter	FC3	30	54.234	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
1440 minute winter	S1	1.003	J1	0.0	0.000	0.000	0.0000
1440 minute winter	S2	1.005	J2	0.1	0.285	0.017	0.0015
1440 minute winter	S3	1.007	J3	0.1	0.504	0.002	0.0003
1440 minute winter	S4	1.000	S5	0.0	0.000	0.000	0.0000
1440 minute winter	S5	1.001	FC1	0.0	0.000	0.000	0.0000
1440 minute winter	S6	4.000	S7	0.0	0.000	0.000	0.0000
1440 minute winter	S7	4.001	FC4	0.0	0.000	0.000	0.0000
1440 minute winter	S8	2.000	S9	0.0	0.000	0.000	0.0000
1440 minute winter	S9	2.001	FC2	0.0	0.000	0.000	0.0000
1440 minute winter	S10	3.000	S11	0.0	0.000	0.000	0.0000
1440 minute winter	S11	3.001	FC3	0.0	0.000	0.000	0.0000
1440 minute winter	SA1	Infiltration		0.8			
1440 minute winter	FC1	1.002	S1	0.0	0.000	0.000	0.0000
1440 minute winter	FC2	Orifice	J1	0.0			
1440 minute winter	FC3	Orifice	J2	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	FC4	30	54.396	0.000	0.0	0.0000	0.0000	OK
1440 minute winter	J1	30	54.041	0.000	0.0	0.0000	0.0000	OK
1440 minute winter	J2	480	53.905	0.010	0.1	0.0000	0.0000	OK
1440 minute winter	J3	480	53.779	0.006	0.1	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
1440 minute winter	FC4	Orifice	J3	0.0			
1440 minute winter	J1	1.004	S2	0.0	0.000	0.000	0.0010
1440 minute winter	J2	1.006	S3	0.1	0.309	0.007	0.0010
1440 minute winter	J3	1.008	SA1	0.1	0.872	0.002	0.0016

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	S1	17	54.440	0.016	0.6	0.0046	0.0000	OK
15 minute summer	S2	11	54.086	0.099	6.4	0.0542	0.0000	OK
15 minute summer	S3	11	53.921	0.043	7.1	0.0123	0.0000	OK
15 minute summer	S4	12	54.908	0.208	1.6	0.0756	0.0000	SURCHARGED
15 minute summer	S5	17	54.905	0.308	2.3	0.1095	0.0000	SURCHARGED
15 minute summer	S6	16	54.798	0.248	1.1	0.0851	0.0000	SURCHARGED
15 minute summer	S7	16	54.798	0.336	1.6	0.1146	0.0000	SURCHARGED
15 minute summer	S8	16	54.678	0.128	1.3	0.0438	0.0000	SURCHARGED
15 minute summer	S9	15	54.678	0.378	2.2	0.1250	0.0000	SURCHARGED
15 minute summer	S10	15	54.767	0.367	2.5	0.1334	0.0000	SURCHARGED
15 minute summer	S11	15	54.767	0.471	2.1	0.1671	0.0000	SURCHARGED
15 minute summer	SA1	14	53.126	0.126	36.4	8.3215	0.0000	OK
15 minute summer	FC1	16	54.905	0.402	3.4	0.3740	0.0000	SURCHARGED
15 minute summer	FC2	15	54.677	0.443	2.0	0.1599	0.0000	SURCHARGED
15 minute summer	FC3	16	54.766	0.532	2.1	0.2262	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
15 minute summer	S1	1.003	J1	0.6	0.434	0.056	0.0242
15 minute summer	S2	1.005	J2	6.5	0.874	1.089	0.0318
15 minute summer	S3	1.007	J3	7.1	1.758	0.147	0.0059
15 minute summer	S4	1.000	S5	1.2	0.379	0.212	0.0881
15 minute summer	S5	1.001	FC1	2.3	0.294	0.390	0.0771
15 minute summer	S6	4.000	S7	0.7	0.316	0.115	0.0720
15 minute summer	S7	4.001	FC4	0.5	0.196	0.077	0.0541
15 minute summer	S8	2.000	S9	1.1	0.354	0.100	0.0629
15 minute summer	S9	2.001	FC2	0.6	0.211	0.110	0.0539
15 minute summer	S10	3.000	S11	-1.1	0.316	-0.173	0.0726
15 minute summer	S11	3.001	FC3	-0.7	0.206	-0.148	0.0700
15 minute summer	SA1	Infiltration		13.7			
15 minute summer	FC1	1.002	S1	0.6	0.576	0.105	0.0089
15 minute summer	FC2	Orifice	J1	0.7			
15 minute summer	FC3	Orifice	J2	0.7			

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	FC4	16	54.798	0.402	1.9	0.1490	0.0000	SURCHARGED
15 minute summer	J1	11	54.086	0.045	1.3	0.0000	0.0000	OK
15 minute summer	J2	11	53.971	0.076	7.1	0.0000	0.0000	OK
15 minute summer	J3	12	53.814	0.041	7.7	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
15 minute summer	FC4	Orifice	J3	0.6			
15 minute summer	J1	1.004	S2	1.5	0.581	0.253	0.0317
15 minute summer	J2	1.006	S3	7.1	1.080	0.521	0.0190
15 minute summer	J3	1.008	SA1	7.7	1.882	0.161	0.1027

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	S1	18	54.440	0.016	0.6	0.0046	0.0000	OK
15 minute winter	S2	11	54.093	0.106	6.8	0.0582	0.0000	SURCHARGED
15 minute winter	S3	11	53.922	0.044	7.4	0.0126	0.0000	OK
15 minute winter	S4	16	54.921	0.221	2.3	0.0803	0.0000	SURCHARGED
15 minute winter	S5	16	54.921	0.324	2.5	0.1150	0.0000	SURCHARGED
15 minute winter	S6	16	54.873	0.323	1.6	0.1109	0.0000	SURCHARGED
15 minute winter	S7	16	54.873	0.411	1.7	0.1403	0.0000	SURCHARGED
15 minute winter	S8	16	54.753	0.203	1.1	0.0697	0.0000	SURCHARGED
15 minute winter	S9	16	54.753	0.452	2.2	0.1498	0.0000	SURCHARGED
15 minute winter	S10	13	54.784	0.384	1.5	0.1394	0.0000	SURCHARGED
15 minute winter	S11	16	54.781	0.485	1.9	0.1723	0.0000	SURCHARGED
15 minute winter	SA1	15	53.145	0.145	38.3	9.6095	0.0000	OK
15 minute winter	FC1	17	54.921	0.418	3.5	0.5911	0.0000	SURCHARGED
15 minute winter	FC2	16	54.752	0.518	2.1	0.1869	0.0000	SURCHARGED
15 minute winter	FC3	17	54.781	0.547	2.8	0.4504	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
15 minute winter	S1	1.003	J1	0.6	0.441	0.058	0.0297
15 minute winter	S2	1.005	J2	6.7	0.877	1.132	0.0320
15 minute winter	S3	1.007	J3	7.3	1.773	0.153	0.0060
15 minute winter	S4	1.000	S5	1.2	0.363	0.199	0.0881
15 minute winter	S5	1.001	FC1	2.2	0.287	0.381	0.0771
15 minute winter	S6	4.000	S7	0.8	0.344	0.140	0.0720
15 minute winter	S7	4.001	FC4	0.7	0.181	0.121	0.0541
15 minute winter	S8	2.000	S9	1.1	0.418	0.102	0.0629
15 minute winter	S9	2.001	FC2	0.8	0.194	0.128	0.0539
15 minute winter	S10	3.000	S11	1.0	0.335	0.156	0.0726
15 minute winter	S11	3.001	FC3	1.7	0.247	0.349	0.0700
15 minute winter	SA1	Infiltration		13.9			
15 minute winter	FC1	1.002	S1	0.6	0.580	0.107	0.0091
15 minute winter	FC2	Orifice	J1	0.7			
15 minute winter	FC3	Orifice	J2	0.7			

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	FC4	16	54.873	0.477	1.8	0.1770	0.0000	SURCHARGED
15 minute winter	J1	11	54.095	0.054	1.4	0.0000	0.0000	OK
15 minute winter	J2	11	53.973	0.078	7.4	0.0000	0.0000	OK
15 minute winter	J3	12	53.814	0.041	7.9	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
15 minute winter	FC4	Orifice	J3	0.7			
15 minute winter	J1	1.004	S2	1.6	0.589	0.270	0.0342
15 minute winter	J2	1.006	S3	7.4	1.089	0.541	0.0196
15 minute winter	J3	1.008	SA1	8.0	1.910	0.167	0.1121

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	S1	27	54.440	0.016	0.6	0.0046	0.0000	OK
30 minute summer	S2	18	54.078	0.091	6.2	0.0497	0.0000	OK
30 minute summer	S3	19	53.921	0.043	6.9	0.0121	0.0000	OK
30 minute summer	S4	27	54.923	0.223	1.5	0.0809	0.0000	SURCHARGED
30 minute summer	S5	27	54.923	0.326	2.3	0.1156	0.0000	SURCHARGED
30 minute summer	S6	25	54.863	0.313	1.1	0.1075	0.0000	SURCHARGED
30 minute summer	S7	25	54.864	0.402	1.3	0.1369	0.0000	SURCHARGED
30 minute summer	S8	24	54.741	0.191	1.7	0.0655	0.0000	SURCHARGED
30 minute summer	S9	24	54.742	0.442	2.0	0.1462	0.0000	SURCHARGED
30 minute summer	S10	25	54.783	0.383	1.5	0.1390	0.0000	SURCHARGED
30 minute summer	S11	25	54.783	0.487	1.4	0.1728	0.0000	SURCHARGED
30 minute summer	SA1	23	53.133	0.133	33.4	8.7812	0.0000	OK
30 minute summer	FC1	26	54.922	0.419	3.4	0.6064	0.0000	SURCHARGED
30 minute summer	FC2	24	54.742	0.508	1.8	0.1832	0.0000	SURCHARGED
30 minute summer	FC3	26	54.782	0.548	2.4	0.4691	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
30 minute summer	S1	1.003	J1	0.6	0.458	0.058	0.0195
30 minute summer	S2	1.005	J2	6.2	0.868	1.041	0.0308
30 minute summer	S3	1.007	J3	6.9	1.738	0.143	0.0058
30 minute summer	S4	1.000	S5	1.1	0.291	0.187	0.0881
30 minute summer	S5	1.001	FC1	2.2	0.282	0.375	0.0771
30 minute summer	S6	4.000	S7	0.6	0.270	0.096	0.0720
30 minute summer	S7	4.001	FC4	0.5	0.161	0.079	0.0541
30 minute summer	S8	2.000	S9	1.0	0.323	0.091	0.0629
30 minute summer	S9	2.001	FC2	-0.6	0.173	-0.095	0.0539
30 minute summer	S10	3.000	S11	0.7	0.264	0.114	0.0726
30 minute summer	S11	3.001	FC3	1.5	0.189	0.296	0.0700
30 minute summer	SA1	Infiltration		13.8			
30 minute summer	FC1	1.002	S1	0.6	0.580	0.107	0.0091
30 minute summer	FC2	Orifice	J1	0.7			
30 minute summer	FC3	Orifice	J2	0.7			

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	FC4	25	54.863	0.467	1.3	0.1733	0.0000	SURCHARGED
30 minute summer	J1	18	54.077	0.036	1.3	0.0000	0.0000	OK
30 minute summer	J2	19	53.970	0.075	6.9	0.0000	0.0000	OK
30 minute summer	J3	19	53.813	0.040	7.5	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
30 minute summer	FC4	Orifice	J3	0.7			
30 minute summer	J1	1.004	S2	1.3	0.585	0.228	0.0284
30 minute summer	J2	1.006	S3	6.9	1.073	0.506	0.0186
30 minute summer	J3	1.008	SA1	7.5	1.940	0.157	0.1054

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	S1	29	54.441	0.017	0.6	0.0047	0.0000	OK
30 minute winter	S2	18	54.073	0.086	5.9	0.0468	0.0000	OK
30 minute winter	S3	18	53.919	0.041	6.5	0.0117	0.0000	OK
30 minute winter	S4	27	54.939	0.239	1.2	0.0868	0.0000	SURCHARGED
30 minute winter	S5	27	54.939	0.342	2.4	0.1213	0.0000	SURCHARGED
30 minute winter	S6	27	54.903	0.353	0.9	0.1210	0.0000	SURCHARGED
30 minute winter	S7	27	54.903	0.441	1.0	0.1502	0.0000	SURCHARGED
30 minute winter	S8	25	54.778	0.228	1.0	0.0783	0.0000	SURCHARGED
30 minute winter	S9	27	54.778	0.478	1.6	0.1581	0.0000	SURCHARGED
30 minute winter	S10	27	54.798	0.398	1.3	0.1446	0.0000	SURCHARGED
30 minute winter	S11	27	54.798	0.502	2.1	0.1782	0.0000	SURCHARGED
30 minute winter	SA1	24	53.147	0.147	30.7	9.7595	0.0000	OK
30 minute winter	FC1	28	54.938	0.435	3.4	0.8237	0.0000	SURCHARGED
30 minute winter	FC2	26	54.777	0.543	1.7	0.2321	0.0000	SURCHARGED
30 minute winter	FC3	28	54.797	0.563	3.2	0.6975	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
30 minute winter	S1	1.003	J1	0.6	0.469	0.059	0.0184
30 minute winter	S2	1.005	J2	5.9	0.852	0.984	0.0297
30 minute winter	S3	1.007	J3	6.5	1.713	0.135	0.0055
30 minute winter	S4	1.000	S5	1.2	0.321	0.206	0.0881
30 minute winter	S5	1.001	FC1	2.2	0.287	0.380	0.0771
30 minute winter	S6	4.000	S7	0.5	0.271	0.076	0.0720
30 minute winter	S7	4.001	FC4	0.6	0.194	0.110	0.0541
30 minute winter	S8	2.000	S9	0.8	0.324	0.072	0.0629
30 minute winter	S9	2.001	FC2	0.7	0.216	0.118	0.0539
30 minute winter	S10	3.000	S11	1.1	0.284	0.171	0.0726
30 minute winter	S11	3.001	FC3	2.0	0.251	0.392	0.0700
30 minute winter	SA1	Infiltration		13.9			
30 minute winter	FC1	1.002	S1	0.6	0.583	0.109	0.0092
30 minute winter	FC2	Orifice	J1	0.7			
30 minute winter	FC3	Orifice	J2	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	FC4	26	54.902	0.506	1.3	0.2200	0.0000	SURCHARGED
30 minute winter	J1	32	54.075	0.034	1.4	0.0000	0.0000	OK
30 minute winter	J2	18	53.968	0.073	6.5	0.0000	0.0000	OK
30 minute winter	J3	19	53.812	0.039	7.1	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
30 minute winter	FC4	Orifice	J3	0.7			
30 minute winter	J1	1.004	S2	1.4	0.591	0.235	0.0258
30 minute winter	J2	1.006	S3	6.5	1.060	0.478	0.0178
30 minute winter	J3	1.008	SA1	7.1	1.958	0.149	0.1112

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	S1	44	54.440	0.016	0.6	0.0046	0.0000	OK
60 minute summer	S2	33	54.060	0.073	5.0	0.0400	0.0000	OK
60 minute summer	S3	34	53.916	0.038	5.6	0.0107	0.0000	OK
60 minute summer	S4	42	54.924	0.224	1.0	0.0814	0.0000	SURCHARGED
60 minute summer	S5	44	54.924	0.327	1.8	0.1160	0.0000	SURCHARGED
60 minute summer	S6	42	54.853	0.303	0.8	0.1038	0.0000	SURCHARGED
60 minute summer	S7	42	54.853	0.391	1.0	0.1332	0.0000	SURCHARGED
60 minute summer	S8	42	54.728	0.178	0.9	0.0610	0.0000	SURCHARGED
60 minute summer	S9	41	54.728	0.428	1.4	0.1416	0.0000	SURCHARGED
60 minute summer	S10	42	54.783	0.383	1.0	0.1390	0.0000	SURCHARGED
60 minute summer	S11	42	54.782	0.486	1.2	0.1727	0.0000	SURCHARGED
60 minute summer	SA1	39	53.113	0.113	25.4	7.4650	0.0000	OK
60 minute summer	FC1	43	54.923	0.420	2.6	0.6219	0.0000	SURCHARGED
60 minute summer	FC2	41	54.728	0.494	1.4	0.1782	0.0000	SURCHARGED
60 minute summer	FC3	43	54.781	0.547	1.9	0.4637	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
60 minute summer	S1	1.003	J1	0.6	0.466	0.058	0.0178
60 minute summer	S2	1.005	J2	4.9	0.827	0.829	0.0258
60 minute summer	S3	1.007	J3	5.6	1.641	0.116	0.0049
60 minute summer	S4	1.000	S5	0.9	0.269	0.151	0.0881
60 minute summer	S5	1.001	FC1	1.7	0.214	0.284	0.0771
60 minute summer	S6	4.000	S7	0.4	0.224	0.067	0.0720
60 minute summer	S7	4.001	FC4	0.4	0.179	0.076	0.0541
60 minute summer	S8	2.000	S9	0.7	0.305	0.065	0.0629
60 minute summer	S9	2.001	FC2	0.5	0.192	0.079	0.0539
60 minute summer	S10	3.000	S11	0.6	0.226	0.095	0.0726
60 minute summer	S11	3.001	FC3	1.2	0.198	0.230	0.0700
60 minute summer	SA1	Infiltration		13.6			
60 minute summer	FC1	1.002	S1	0.6	0.580	0.107	0.0091
60 minute summer	FC2	Orifice	J1	0.7			
60 minute summer	FC3	Orifice	J2	0.7			

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	FC4	42	54.852	0.456	1.3	0.1693	0.0000	SURCHARGED
60 minute summer	J1	48	54.074	0.033	1.3	0.0000	0.0000	OK
60 minute summer	J2	33	53.961	0.066	5.6	0.0000	0.0000	OK
60 minute summer	J3	34	53.809	0.036	6.1	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
60 minute summer	FC4	Orifice	J3	0.7			
60 minute summer	J1	1.004	S2	1.3	0.574	0.227	0.0229
60 minute summer	J2	1.006	S3	5.6	1.022	0.408	0.0158
60 minute summer	J3	1.008	SA1	6.2	1.948	0.129	0.0921

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	S1	47	54.441	0.017	0.6	0.0047	0.0000	OK
60 minute winter	S2	33	54.053	0.066	4.3	0.0361	0.0000	OK
60 minute winter	S3	34	53.914	0.036	5.0	0.0101	0.0000	OK
60 minute winter	S4	45	54.936	0.236	0.8	0.0856	0.0000	SURCHARGED
60 minute winter	S5	45	54.935	0.338	1.5	0.1202	0.0000	SURCHARGED
60 minute winter	S6	44	54.896	0.346	0.6	0.1187	0.0000	SURCHARGED
60 minute winter	S7	44	54.896	0.434	0.8	0.1479	0.0000	SURCHARGED
60 minute winter	S8	44	54.769	0.219	0.6	0.0749	0.0000	SURCHARGED
60 minute winter	S9	44	54.768	0.468	1.0	0.1550	0.0000	SURCHARGED
60 minute winter	S10	45	54.796	0.396	0.8	0.1436	0.0000	SURCHARGED
60 minute winter	S11	45	54.795	0.499	1.4	0.1772	0.0000	SURCHARGED
60 minute winter	SA1	41	53.111	0.111	21.1	7.3821	0.0000	OK
60 minute winter	FC1	46	54.935	0.432	2.3	0.7813	0.0000	SURCHARGED
60 minute winter	FC2	44	54.768	0.534	1.2	0.1928	0.0000	SURCHARGED
60 minute winter	FC3	46	54.794	0.560	2.4	0.6592	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
60 minute winter	S1	1.003	J1	0.6	0.476	0.059	0.0182
60 minute winter	S2	1.005	J2	4.3	0.806	0.722	0.0231
60 minute winter	S3	1.007	J3	5.0	1.585	0.103	0.0046
60 minute winter	S4	1.000	S5	0.7	0.269	0.128	0.0881
60 minute winter	S5	1.001	FC1	1.5	0.207	0.249	0.0771
60 minute winter	S6	4.000	S7	0.4	0.224	0.060	0.0720
60 minute winter	S7	4.001	FC4	0.5	0.179	0.080	0.0541
60 minute winter	S8	2.000	S9	0.5	0.305	0.047	0.0629
60 minute winter	S9	2.001	FC2	0.5	0.192	0.082	0.0539
60 minute winter	S10	3.000	S11	0.7	0.226	0.116	0.0726
60 minute winter	S11	3.001	FC3	1.5	0.198	0.291	0.0700
60 minute winter	SA1	Infiltration		13.6			
60 minute winter	FC1	1.002	S1	0.6	0.583	0.109	0.0092
60 minute winter	FC2	Orifice	J1	0.7			
60 minute winter	FC3	Orifice	J2	0.7			

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	FC4	44	54.895	0.499	1.0	0.1853	0.0000	SURCHARGED
60 minute winter	J1	51	54.074	0.033	1.4	0.0000	0.0000	OK
60 minute winter	J2	34	53.957	0.062	5.0	0.0000	0.0000	OK
60 minute winter	J3	34	53.808	0.035	5.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
60 minute winter	FC4	Orifice	J3	0.7			
60 minute winter	J1	1.004	S2	1.4	0.581	0.233	0.0212
60 minute winter	J2	1.006	S3	5.0	0.994	0.365	0.0145
60 minute winter	J3	1.008	SA1	5.6	1.976	0.117	0.0911

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	S1	80	54.440	0.016	0.6	0.0046	0.0000	OK
120 minute summer	S2	64	54.047	0.060	3.8	0.0330	0.0000	OK
120 minute summer	S3	64	53.911	0.033	4.4	0.0094	0.0000	OK
120 minute summer	S4	78	54.916	0.216	0.6	0.0784	0.0000	SURCHARGED
120 minute summer	S5	78	54.916	0.319	1.1	0.1132	0.0000	SURCHARGED
120 minute summer	S6	78	54.820	0.270	0.5	0.0926	0.0000	SURCHARGED
120 minute summer	S7	78	54.820	0.358	0.7	0.1220	0.0000	SURCHARGED
120 minute summer	S8	76	54.691	0.141	0.5	0.0483	0.0000	SURCHARGED
120 minute summer	S9	76	54.691	0.391	1.0	0.1293	0.0000	SURCHARGED
120 minute summer	S10	76	54.776	0.376	0.6	0.1364	0.0000	SURCHARGED
120 minute summer	S11	76	54.776	0.480	0.9	0.1702	0.0000	SURCHARGED
120 minute summer	SA1	70	53.077	0.077	17.9	5.1092	0.0000	OK
120 minute summer	FC1	78	54.916	0.413	1.6	0.5200	0.0000	SURCHARGED
120 minute summer	FC2	76	54.690	0.456	1.0	0.1647	0.0000	SURCHARGED
120 minute summer	FC3	78	54.775	0.541	1.4	0.3675	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
120 minute summer	S1	1.003	J1	0.6	0.476	0.057	0.0176
120 minute summer	S2	1.005	J2	3.8	0.783	0.633	0.0208
120 minute summer	S3	1.007	J3	4.4	1.534	0.091	0.0042
120 minute summer	S4	1.000	S5	0.5	0.260	0.090	0.0881
120 minute summer	S5	1.001	FC1	1.0	0.198	0.177	0.0771
120 minute summer	S6	4.000	S7	0.3	0.224	0.046	0.0720
120 minute summer	S7	4.001	FC4	0.4	0.137	0.073	0.0541
120 minute summer	S8	2.000	S9	0.5	0.287	0.045	0.0629
120 minute summer	S9	2.001	FC2	0.4	0.144	0.076	0.0539
120 minute summer	S10	3.000	S11	0.5	0.221	0.076	0.0726
120 minute summer	S11	3.001	FC3	0.9	0.191	0.176	0.0700
120 minute summer	SA1	Infiltration		13.3			
120 minute summer	FC1	1.002	S1	0.6	0.579	0.106	0.0090
120 minute summer	FC2	Orifice	J1	0.7			
120 minute summer	FC3	Orifice	J2	0.7			

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	FC4	76	54.819	0.423	0.9	0.1570	0.0000	SURCHARGED
120 minute summer	J1	82	54.073	0.032	1.3	0.0000	0.0000	OK
120 minute summer	J2	64	53.953	0.058	4.4	0.0000	0.0000	OK
120 minute summer	J3	64	53.806	0.033	4.9	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
120 minute summer	FC4	Orifice	J3	0.6			
120 minute summer	J1	1.004	S2	1.3	0.529	0.221	0.0196
120 minute summer	J2	1.006	S3	4.4	0.966	0.323	0.0133
120 minute summer	J3	1.008	SA1	4.9	1.826	0.103	0.0637

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	S1	84	54.440	0.016	0.6	0.0046	0.0000	OK
120 minute winter	S2	64	54.041	0.054	3.2	0.0298	0.0000	OK
120 minute winter	S3	68	53.909	0.031	3.9	0.0088	0.0000	OK
120 minute winter	S4	84	54.927	0.227	0.5	0.0824	0.0000	SURCHARGED
120 minute winter	S5	84	54.927	0.330	0.9	0.1171	0.0000	SURCHARGED
120 minute winter	S6	82	54.844	0.294	0.4	0.1009	0.0000	SURCHARGED
120 minute winter	S7	82	54.844	0.382	0.6	0.1303	0.0000	SURCHARGED
120 minute winter	S8	82	54.710	0.160	0.4	0.0547	0.0000	SURCHARGED
120 minute winter	S9	82	54.709	0.409	0.8	0.1355	0.0000	SURCHARGED
120 minute winter	S10	82	54.786	0.386	0.5	0.1403	0.0000	SURCHARGED
120 minute winter	S11	82	54.786	0.490	0.8	0.1740	0.0000	SURCHARGED
120 minute winter	SA1	70	53.058	0.058	14.5	3.8341	0.0000	OK
120 minute winter	FC1	84	54.927	0.424	1.4	0.6693	0.0000	SURCHARGED
120 minute winter	FC2	82	54.709	0.475	0.9	0.1715	0.0000	SURCHARGED
120 minute winter	FC3	84	54.786	0.552	1.3	0.5260	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
120 minute winter	S1	1.003	J1	0.6	0.479	0.058	0.0177
120 minute winter	S2	1.005	J2	3.2	0.755	0.539	0.0184
120 minute winter	S3	1.007	J3	3.9	1.474	0.081	0.0038
120 minute winter	S4	1.000	S5	0.4	0.260	0.077	0.0881
120 minute winter	S5	1.001	FC1	0.9	0.198	0.150	0.0771
120 minute winter	S6	4.000	S7	0.3	0.223	0.046	0.0720
120 minute winter	S7	4.001	FC4	0.4	0.164	0.075	0.0541
120 minute winter	S8	2.000	S9	0.4	0.277	0.036	0.0629
120 minute winter	S9	2.001	FC2	0.5	0.172	0.078	0.0539
120 minute winter	S10	3.000	S11	0.4	0.221	0.057	0.0726
120 minute winter	S11	3.001	FC3	0.7	0.191	0.146	0.0700
120 minute winter	SA1	Infiltration		13.1			
120 minute winter	FC1	1.002	S1	0.6	0.581	0.108	0.0091
120 minute winter	FC2	Orifice	J1	0.7			
120 minute winter	FC3	Orifice	J2	0.7			

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	FC4	82	54.844	0.448	0.8	0.1661	0.0000	SURCHARGED
120 minute winter	J1	90	54.073	0.032	1.3	0.0000	0.0000	OK
120 minute winter	J2	68	53.950	0.055	3.9	0.0000	0.0000	OK
120 minute winter	J3	68	53.804	0.031	4.5	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
120 minute winter	FC4	Orifice	J3	0.7			
120 minute winter	J1	1.004	S2	1.3	0.552	0.225	0.0181
120 minute winter	J2	1.006	S3	3.9	0.936	0.285	0.0121
120 minute winter	J3	1.008	SA1	4.5	1.889	0.094	0.0483

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	S1	112	54.440	0.016	0.6	0.0046	0.0000	OK
180 minute summer	S2	96	54.040	0.053	3.1	0.0290	0.0000	OK
180 minute summer	S3	96	53.908	0.030	3.7	0.0086	0.0000	OK
180 minute summer	S4	112	54.905	0.205	0.5	0.0746	0.0000	SURCHARGED
180 minute summer	S5	112	54.905	0.308	0.8	0.1095	0.0000	SURCHARGED
180 minute summer	S6	112	54.798	0.248	0.4	0.0852	0.0000	SURCHARGED
180 minute summer	S7	112	54.798	0.336	0.6	0.1146	0.0000	SURCHARGED
180 minute summer	S8	108	54.666	0.116	0.4	0.0397	0.0000	SURCHARGED
180 minute summer	S9	108	54.666	0.366	0.8	0.1210	0.0000	SURCHARGED
180 minute summer	S10	112	54.765	0.365	0.5	0.1326	0.0000	SURCHARGED
180 minute summer	S11	112	54.765	0.469	0.7	0.1666	0.0000	SURCHARGED
180 minute summer	SA1	100	53.051	0.051	14.0	3.3777	0.0000	OK
180 minute summer	FC1	112	54.905	0.402	1.1	0.3757	0.0000	SURCHARGED
180 minute summer	FC2	108	54.665	0.431	0.9	0.1557	0.0000	SURCHARGED
180 minute summer	FC3	112	54.765	0.531	1.0	0.2110	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
180 minute summer	S1	1.003	J1	0.6	0.484	0.057	0.0173
180 minute summer	S2	1.005	J2	3.1	0.747	0.516	0.0178
180 minute summer	S3	1.007	J3	3.7	1.456	0.077	0.0037
180 minute summer	S4	1.000	S5	0.4	0.219	0.063	0.0881
180 minute summer	S5	1.001	FC1	0.7	0.197	0.123	0.0771
180 minute summer	S6	4.000	S7	0.3	0.219	0.048	0.0720
180 minute summer	S7	4.001	FC4	0.4	0.107	0.071	0.0541
180 minute summer	S8	2.000	S9	0.4	0.278	0.036	0.0629
180 minute summer	S9	2.001	FC2	0.4	0.114	0.074	0.0539
180 minute summer	S10	3.000	S11	0.3	0.218	0.045	0.0726
180 minute summer	S11	3.001	FC3	0.5	0.109	0.096	0.0700
180 minute summer	SA1	Infiltration		13.0			
180 minute summer	FC1	1.002	S1	0.6	0.576	0.105	0.0089
180 minute summer	FC2	Orifice	J1	0.7			
180 minute summer	FC3	Orifice	J2	0.7			

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	FC4	112	54.798	0.402	0.8	0.1490	0.0000	SURCHARGED
180 minute summer	J1	120	54.073	0.032	1.3	0.0000	0.0000	OK
180 minute summer	J2	96	53.948	0.053	3.7	0.0000	0.0000	OK
180 minute summer	J3	96	53.803	0.030	4.3	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
180 minute summer	FC4	Orifice	J3	0.6			
180 minute summer	J1	1.004	S2	1.3	0.527	0.216	0.0175
180 minute summer	J2	1.006	S3	3.7	0.925	0.272	0.0117
180 minute summer	J3	1.008	SA1	4.2	1.754	0.089	0.0422

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	S1	116	54.440	0.016	0.6	0.0046	0.0000	OK
180 minute winter	S2	96	54.036	0.049	2.7	0.0268	0.0000	OK
180 minute winter	S3	96	53.907	0.029	3.3	0.0081	0.0000	OK
180 minute winter	S4	116	54.911	0.211	0.4	0.0765	0.0000	SURCHARGED
180 minute winter	S5	116	54.911	0.314	0.8	0.1113	0.0000	SURCHARGED
180 minute winter	S6	116	54.797	0.247	0.3	0.0846	0.0000	SURCHARGED
180 minute winter	S7	116	54.796	0.334	0.5	0.1140	0.0000	SURCHARGED
180 minute winter	S8	116	54.659	0.109	0.3	0.0372	0.0000	SURCHARGED
180 minute winter	S9	116	54.658	0.358	0.6	0.1186	0.0000	SURCHARGED
180 minute winter	S10	116	54.769	0.369	0.4	0.1339	0.0000	SURCHARGED
180 minute winter	S11	116	54.769	0.473	0.6	0.1678	0.0000	SURCHARGED
180 minute winter	SA1	100	53.043	0.043	11.5	2.8618	0.0000	OK
180 minute winter	FC1	116	54.910	0.407	1.1	0.4464	0.0000	SURCHARGED
180 minute winter	FC2	112	54.658	0.424	0.8	0.1531	0.0000	SURCHARGED
180 minute winter	FC3	116	54.768	0.534	0.9	0.2639	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
180 minute winter	S1	1.003	J1	0.6	0.474	0.057	0.0172
180 minute winter	S2	1.005	J2	2.7	0.724	0.452	0.0161
180 minute winter	S3	1.007	J3	3.3	1.409	0.069	0.0034
180 minute winter	S4	1.000	S5	0.4	0.220	0.062	0.0881
180 minute winter	S5	1.001	FC1	0.7	0.197	0.123	0.0771
180 minute winter	S6	4.000	S7	0.2	0.219	0.036	0.0720
180 minute winter	S7	4.001	FC4	0.4	0.107	0.071	0.0541
180 minute winter	S8	2.000	S9	0.3	0.278	0.028	0.0629
180 minute winter	S9	2.001	FC2	0.4	0.115	0.073	0.0539
180 minute winter	S10	3.000	S11	0.3	0.217	0.045	0.0726
180 minute winter	S11	3.001	FC3	0.6	0.113	0.114	0.0700
180 minute winter	SA1	Infiltration		11.2			
180 minute winter	FC1	1.002	S1	0.6	0.578	0.106	0.0090
180 minute winter	FC2	Orifice	J1	0.6			
180 minute winter	FC3	Orifice	J2	0.7			

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	FC4	116	54.796	0.400	0.7	0.1484	0.0000	SURCHARGED
180 minute winter	J1	128	54.073	0.032	1.3	0.0000	0.0000	OK
180 minute winter	J2	96	53.945	0.050	3.3	0.0000	0.0000	OK
180 minute winter	J3	100	53.802	0.029	3.9	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
180 minute winter	FC4	Orifice	J3	0.6			
180 minute winter	J1	1.004	S2	1.3	0.524	0.216	0.0165
180 minute winter	J2	1.006	S3	3.3	0.901	0.245	0.0108
180 minute winter	J3	1.008	SA1	3.9	1.752	0.082	0.0358

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	S1	140	54.440	0.016	0.6	0.0045	0.0000	OK
240 minute summer	S2	128	54.035	0.048	2.6	0.0265	0.0000	OK
240 minute summer	S3	128	53.906	0.028	3.3	0.0080	0.0000	OK
240 minute summer	S4	140	54.890	0.190	0.4	0.0691	0.0000	SURCHARGED
240 minute summer	S5	140	54.890	0.293	0.6	0.1041	0.0000	SURCHARGED
240 minute summer	S6	144	54.723	0.173	0.3	0.0594	0.0000	SURCHARGED
240 minute summer	S7	144	54.723	0.261	0.4	0.0890	0.0000	SURCHARGED
240 minute summer	S8	144	54.594	0.044	0.3	0.0151	0.0000	OK
240 minute summer	S9	144	54.594	0.294	0.6	0.0973	0.0000	SURCHARGED
240 minute summer	S10	144	54.715	0.315	0.4	0.1143	0.0000	SURCHARGED
240 minute summer	S11	144	54.715	0.419	0.6	0.1487	0.0000	SURCHARGED
240 minute summer	SA1	128	53.044	0.044	12.0	2.9054	0.0000	OK
240 minute summer	FC1	140	54.890	0.387	0.9	0.1721	0.0000	SURCHARGED
240 minute summer	FC2	144	54.594	0.360	0.7	0.1298	0.0000	SURCHARGED
240 minute summer	FC3	144	54.714	0.480	0.9	0.1873	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
240 minute summer	S1	1.003	J1	0.6	0.475	0.055	0.0166
240 minute summer	S2	1.005	J2	2.6	0.721	0.444	0.0159
240 minute summer	S3	1.007	J3	3.3	1.404	0.068	0.0034
240 minute summer	S4	1.000	S5	0.3	0.220	0.050	0.0881
240 minute summer	S5	1.001	FC1	0.6	0.197	0.096	0.0771
240 minute summer	S6	4.000	S7	0.2	0.219	0.034	0.0720
240 minute summer	S7	4.001	FC4	0.4	0.107	0.064	0.0541
240 minute summer	S8	2.000	S9	0.3	0.278	0.028	0.0448
240 minute summer	S9	2.001	FC2	0.4	0.114	0.068	0.0539
240 minute summer	S10	3.000	S11	0.2	0.218	0.036	0.0726
240 minute summer	S11	3.001	FC3	0.5	0.109	0.092	0.0700
240 minute summer	SA1	Infiltration		11.4			
240 minute summer	FC1	1.002	S1	0.6	0.573	0.103	0.0088
240 minute summer	FC2	Orifice	J1	0.6			
240 minute summer	FC3	Orifice	J2	0.7			

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	FC4	144	54.723	0.327	0.7	0.1212	0.0000	SURCHARGED
240 minute summer	J1	152	54.072	0.031	1.2	0.0000	0.0000	OK
240 minute summer	J2	128	53.945	0.050	3.3	0.0000	0.0000	OK
240 minute summer	J3	128	53.802	0.029	3.8	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
240 minute summer	FC4	Orifice	J3	0.6			
240 minute summer	J1	1.004	S2	1.2	0.505	0.204	0.0161
240 minute summer	J2	1.006	S3	3.3	0.896	0.240	0.0107
240 minute summer	J3	1.008	SA1	3.8	1.709	0.079	0.0360

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	S1	144	54.440	0.016	0.6	0.0045	0.0000	OK
240 minute winter	S2	132	54.032	0.045	2.4	0.0248	0.0000	OK
240 minute winter	S3	132	53.905	0.027	3.0	0.0077	0.0000	OK
240 minute winter	S4	144	54.892	0.192	0.3	0.0696	0.0000	SURCHARGED
240 minute winter	S5	144	54.892	0.295	0.6	0.1045	0.0000	SURCHARGED
240 minute winter	S6	152	54.713	0.163	0.2	0.0559	0.0000	SURCHARGED
240 minute winter	S7	152	54.713	0.251	0.4	0.0856	0.0000	SURCHARGED
240 minute winter	S8	152	54.578	0.028	0.2	0.0097	0.0000	OK
240 minute winter	S9	152	54.578	0.278	0.4	0.0921	0.0000	SURCHARGED
240 minute winter	S10	152	54.709	0.309	0.3	0.1121	0.0000	SURCHARGED
240 minute winter	S11	152	54.709	0.413	0.5	0.1465	0.0000	SURCHARGED
240 minute winter	SA1	132	53.036	0.036	9.5	2.4040	0.0000	OK
240 minute winter	FC1	144	54.891	0.388	0.9	0.1889	0.0000	SURCHARGED
240 minute winter	FC2	152	54.578	0.344	0.6	0.1242	0.0000	SURCHARGED
240 minute winter	FC3	152	54.708	0.474	0.8	0.1850	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
240 minute winter	S1	1.003	J1	0.6	0.490	0.055	0.0165
240 minute winter	S2	1.005	J2	2.3	0.700	0.395	0.0145
240 minute winter	S3	1.007	J3	3.0	1.366	0.062	0.0032
240 minute winter	S4	1.000	S5	0.3	0.218	0.049	0.0881
240 minute winter	S5	1.001	FC1	0.6	0.197	0.095	0.0771
240 minute winter	S6	4.000	S7	0.2	0.219	0.034	0.0720
240 minute winter	S7	4.001	FC4	0.4	0.107	0.063	0.0541
240 minute winter	S8	2.000	S9	0.2	0.278	0.019	0.0388
240 minute winter	S9	2.001	FC2	0.4	0.114	0.066	0.0539
240 minute winter	S10	3.000	S11	0.2	0.217	0.036	0.0726
240 minute winter	S11	3.001	FC3	0.5	0.110	0.091	0.0700
240 minute winter	SA1	Infiltration		9.4			
240 minute winter	FC1	1.002	S1	0.6	0.573	0.103	0.0088
240 minute winter	FC2	Orifice	J1	0.6			
240 minute winter	FC3	Orifice	J2	0.7			

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	FC4	152	54.713	0.317	0.6	0.1174	0.0000	SURCHARGED
240 minute winter	J1	152	54.071	0.030	1.2	0.0000	0.0000	OK
240 minute winter	J2	132	53.943	0.048	3.0	0.0000	0.0000	OK
240 minute winter	J3	132	53.801	0.028	3.5	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
240 minute winter	FC4	Orifice	J3	0.6			
240 minute winter	J1	1.004	S2	1.2	0.501	0.202	0.0153
240 minute winter	J2	1.006	S3	3.0	0.876	0.220	0.0100
240 minute winter	J3	1.008	SA1	3.5	1.703	0.074	0.0299

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	S1	208	54.440	0.016	0.6	0.0045	0.0000	OK
360 minute summer	S2	192	54.030	0.043	2.2	0.0237	0.0000	OK
360 minute summer	S3	192	53.904	0.026	2.8	0.0074	0.0000	OK
360 minute summer	S4	208	54.863	0.163	0.3	0.0591	0.0000	SURCHARGED
360 minute summer	S5	208	54.863	0.266	0.5	0.0944	0.0000	SURCHARGED
360 minute summer	S6	200	54.661	0.111	0.2	0.0381	0.0000	SURCHARGED
360 minute summer	S7	200	54.661	0.199	0.4	0.0678	0.0000	SURCHARGED
360 minute summer	S8	176	54.560	0.010	0.2	0.0033	0.0000	OK
360 minute summer	S9	200	54.537	0.237	0.4	0.0784	0.0000	SURCHARGED
360 minute summer	S10	208	54.624	0.223	0.3	0.0811	0.0000	SURCHARGED
360 minute summer	S11	208	54.623	0.327	0.5	0.1162	0.0000	SURCHARGED
360 minute summer	SA1	192	53.034	0.034	9.3	2.2564	0.0000	OK
360 minute summer	FC1	208	54.862	0.359	0.7	0.0309	0.0000	SURCHARGED
360 minute summer	FC2	200	54.536	0.302	0.6	0.1092	0.0000	SURCHARGED
360 minute summer	FC3	208	54.623	0.389	0.7	0.1516	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
360 minute summer	S1	1.003	J1	0.6	0.461	0.053	0.0159
360 minute summer	S2	1.005	J2	2.2	0.686	0.365	0.0137
360 minute summer	S3	1.007	J3	2.8	1.337	0.057	0.0030
360 minute summer	S4	1.000	S5	0.2	0.218	0.035	0.0881
360 minute summer	S5	1.001	FC1	0.4	0.161	0.066	0.0771
360 minute summer	S6	4.000	S7	0.2	0.219	0.032	0.0720
360 minute summer	S7	4.001	FC4	0.3	0.120	0.058	0.0541
360 minute summer	S8	2.000	S9	0.2	0.257	0.019	0.0330
360 minute summer	S9	2.001	FC2	0.4	0.120	0.063	0.0539
360 minute summer	S10	3.000	S11	0.2	0.210	0.032	0.0726
360 minute summer	S11	3.001	FC3	0.4	0.119	0.083	0.0700
360 minute summer	SA1	Infiltration		8.9			
360 minute summer	FC1	1.002	S1	0.6	0.566	0.099	0.0086
360 minute summer	FC2	Orifice	J1	0.5			
360 minute summer	FC3	Orifice	J2	0.6			

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	FC4	200	54.661	0.265	0.6	0.0982	0.0000	SURCHARGED
360 minute summer	J1	200	54.071	0.030	1.1	0.0000	0.0000	OK
360 minute summer	J2	192	53.941	0.046	2.8	0.0000	0.0000	OK
360 minute summer	J3	192	53.800	0.027	3.2	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
360 minute summer	FC4	Orifice	J3	0.5			
360 minute summer	J1	1.004	S2	1.1	0.482	0.191	0.0144
360 minute summer	J2	1.006	S3	2.8	0.858	0.203	0.0094
360 minute summer	J3	1.008	SA1	3.2	1.654	0.068	0.0277

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	S1	224	54.439	0.015	0.5	0.0043	0.0000	OK
360 minute winter	S2	192	54.027	0.040	1.9	0.0219	0.0000	OK
360 minute winter	S3	192	53.902	0.024	2.4	0.0069	0.0000	OK
360 minute winter	S4	224	54.816	0.116	0.2	0.0420	0.0000	SURCHARGED
360 minute winter	S5	224	54.816	0.219	0.4	0.0776	0.0000	SURCHARGED
360 minute winter	S6	208	54.639	0.089	0.2	0.0304	0.0000	OK
360 minute winter	S7	208	54.638	0.176	0.4	0.0602	0.0000	SURCHARGED
360 minute winter	S8	176	54.560	0.010	0.2	0.0033	0.0000	OK
360 minute winter	S9	200	54.505	0.205	0.4	0.0678	0.0000	SURCHARGED
360 minute winter	S10	224	54.581	0.181	0.2	0.0658	0.0000	SURCHARGED
360 minute winter	S11	224	54.581	0.285	0.4	0.1012	0.0000	SURCHARGED
360 minute winter	SA1	192	53.028	0.028	7.3	1.8542	0.0000	OK
360 minute winter	FC1	224	54.815	0.312	0.6	0.0269	0.0000	SURCHARGED
360 minute winter	FC2	200	54.505	0.271	0.6	0.0977	0.0000	SURCHARGED
360 minute winter	FC3	224	54.581	0.347	0.6	0.1352	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
360 minute winter	S1	1.003	J1	0.5	0.438	0.049	0.0149
360 minute winter	S2	1.005	J2	1.9	0.661	0.318	0.0124
360 minute winter	S3	1.007	J3	2.4	1.287	0.051	0.0028
360 minute winter	S4	1.000	S5	0.2	0.218	0.035	0.0881
360 minute winter	S5	1.001	FC1	0.4	0.161	0.062	0.0771
360 minute winter	S6	4.000	S7	0.2	0.219	0.032	0.0697
360 minute winter	S7	4.001	FC4	0.3	0.123	0.054	0.0541
360 minute winter	S8	2.000	S9	0.2	0.257	0.019	0.0330
360 minute winter	S9	2.001	FC2	0.4	0.123	0.060	0.0539
360 minute winter	S10	3.000	S11	0.2	0.210	0.031	0.0726
360 minute winter	S11	3.001	FC3	0.4	0.119	0.078	0.0700
360 minute winter	SA1	Infiltration		7.3			
360 minute winter	FC1	1.002	S1	0.5	0.554	0.092	0.0081
360 minute winter	FC2	Orifice	J1	0.5			
360 minute winter	FC3	Orifice	J2	0.6			

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	FC4	208	54.638	0.242	0.5	0.0899	0.0000	SURCHARGED
360 minute winter	J1	208	54.069	0.028	1.0	0.0000	0.0000	OK
360 minute winter	J2	192	53.938	0.043	2.4	0.0000	0.0000	OK
360 minute winter	J3	208	53.798	0.025	2.9	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
360 minute winter	FC4	Orifice	J3	0.5			
360 minute winter	J1	1.004	S2	1.0	0.467	0.176	0.0132
360 minute winter	J2	1.006	S3	2.4	0.831	0.179	0.0086
360 minute winter	J3	1.008	SA1	2.9	1.635	0.061	0.0228

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	S1	272	54.439	0.015	0.5	0.0042	0.0000	OK
480 minute summer	S2	248	54.026	0.039	1.8	0.0214	0.0000	OK
480 minute summer	S3	248	53.902	0.024	2.3	0.0067	0.0000	OK
480 minute summer	S4	272	54.784	0.084	0.2	0.0303	0.0000	OK
480 minute summer	S5	272	54.784	0.187	0.4	0.0662	0.0000	SURCHARGED
480 minute summer	S6	264	54.619	0.069	0.2	0.0236	0.0000	OK
480 minute summer	S7	264	54.619	0.157	0.4	0.0535	0.0000	SURCHARGED
480 minute summer	S8	240	54.560	0.010	0.2	0.0033	0.0000	OK
480 minute summer	S9	264	54.481	0.181	0.4	0.0599	0.0000	SURCHARGED
480 minute summer	S10	272	54.550	0.150	0.2	0.0545	0.0000	SURCHARGED
480 minute summer	S11	272	54.550	0.254	0.4	0.0902	0.0000	SURCHARGED
480 minute summer	SA1	248	53.029	0.029	7.6	1.8916	0.0000	OK
480 minute summer	FC1	272	54.783	0.280	0.5	0.0241	0.0000	SURCHARGED
480 minute summer	FC2	264	54.481	0.247	0.5	0.0891	0.0000	SURCHARGED
480 minute summer	FC3	272	54.550	0.316	0.6	0.1231	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
480 minute summer	S1	1.003	J1	0.5	0.441	0.047	0.0145
480 minute summer	S2	1.005	J2	1.8	0.655	0.306	0.0120
480 minute summer	S3	1.007	J3	2.3	1.272	0.048	0.0027
480 minute summer	S4	1.000	S5	0.2	0.218	0.035	0.0834
480 minute summer	S5	1.001	FC1	0.3	0.161	0.059	0.0771
480 minute summer	S6	4.000	S7	0.2	0.219	0.032	0.0624
480 minute summer	S7	4.001	FC4	0.3	0.120	0.051	0.0541
480 minute summer	S8	2.000	S9	0.2	0.257	0.019	0.0330
480 minute summer	S9	2.001	FC2	0.3	0.120	0.057	0.0539
480 minute summer	S10	3.000	S11	0.2	0.210	0.031	0.0726
480 minute summer	S11	3.001	FC3	0.4	0.119	0.074	0.0700
480 minute summer	SA1	Infiltration		7.4			
480 minute summer	FC1	1.002	S1	0.5	0.545	0.087	0.0078
480 minute summer	FC2	Orifice	J1	0.5			
480 minute summer	FC3	Orifice	J2	0.6			

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	FC4	264	54.619	0.223	0.5	0.0826	0.0000	SURCHARGED
480 minute summer	J1	264	54.069	0.028	1.0	0.0000	0.0000	OK
480 minute summer	J2	248	53.937	0.042	2.3	0.0000	0.0000	OK
480 minute summer	J3	256	53.798	0.025	2.8	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
480 minute summer	FC4	Orifice	J3	0.5			
480 minute summer	J1	1.004	S2	1.0	0.464	0.168	0.0128
480 minute summer	J2	1.006	S3	2.3	0.820	0.171	0.0083
480 minute summer	J3	1.008	SA1	2.8	1.628	0.058	0.0228

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	S1	272	54.439	0.015	0.5	0.0042	0.0000	OK
480 minute winter	S2	264	54.023	0.036	1.6	0.0198	0.0000	OK
480 minute winter	S3	264	53.900	0.022	2.1	0.0064	0.0000	OK
480 minute winter	S4	272	54.784	0.084	0.2	0.0304	0.0000	OK
480 minute winter	S5	272	54.784	0.187	0.4	0.0663	0.0000	SURCHARGED
480 minute winter	S6	168	54.559	0.009	0.1	0.0031	0.0000	OK
480 minute winter	S7	272	54.551	0.089	0.2	0.0305	0.0000	OK
480 minute winter	S8	168	54.557	0.007	0.1	0.0024	0.0000	OK
480 minute winter	S9	272	54.390	0.090	0.2	0.0297	0.0000	OK
480 minute winter	S10	272	54.519	0.119	0.2	0.0432	0.0000	SURCHARGED
480 minute winter	S11	272	54.519	0.223	0.4	0.0791	0.0000	SURCHARGED
480 minute winter	SA1	256	53.023	0.023	6.0	1.5138	0.0000	OK
480 minute winter	FC1	272	54.783	0.280	0.5	0.0241	0.0000	SURCHARGED
480 minute winter	FC2	272	54.390	0.156	0.4	0.0562	0.0000	SURCHARGED
480 minute winter	FC3	272	54.518	0.284	0.6	0.1110	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
480 minute winter	S1	1.003	J1	0.5	0.444	0.047	0.0138
480 minute winter	S2	1.005	J2	1.6	0.631	0.266	0.0108
480 minute winter	S3	1.007	J3	2.1	1.233	0.044	0.0025
480 minute winter	S4	1.000	S5	0.2	0.218	0.035	0.0835
480 minute winter	S5	1.001	FC1	0.3	0.161	0.059	0.0771
480 minute winter	S6	4.000	S7	0.1	0.219	0.017	0.0356
480 minute winter	S7	4.001	FC4	0.2	0.120	0.042	0.0526
480 minute winter	S8	2.000	S9	0.1	0.257	0.009	0.0307
480 minute winter	S9	2.001	FC2	0.2	0.120	0.041	0.0525
480 minute winter	S10	3.000	S11	0.2	0.210	0.030	0.0726
480 minute winter	S11	3.001	FC3	0.4	0.119	0.070	0.0700
480 minute winter	SA1	Infiltration		6.0			
480 minute winter	FC1	1.002	S1	0.5	0.545	0.087	0.0078
480 minute winter	FC2	Orifice	J1	0.4			
480 minute winter	FC3	Orifice	J2	0.5			

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	FC4	272	54.551	0.155	0.4	0.0576	0.0000	SURCHARGED
480 minute winter	J1	272	54.067	0.026	0.9	0.0000	0.0000	OK
480 minute winter	J2	264	53.935	0.040	2.1	0.0000	0.0000	OK
480 minute winter	J3	264	53.796	0.023	2.5	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
480 minute winter	FC4	Orifice	J3	0.4			
480 minute winter	J1	1.004	S2	0.9	0.440	0.152	0.0118
480 minute winter	J2	1.006	S3	2.1	0.797	0.154	0.0077
480 minute winter	J3	1.008	SA1	2.5	1.585	0.052	0.0185

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	S1	330	54.439	0.015	0.5	0.0041	0.0000	OK
600 minute summer	S2	315	54.024	0.037	1.6	0.0202	0.0000	OK
600 minute summer	S3	315	53.901	0.023	2.1	0.0064	0.0000	OK
600 minute summer	S4	330	54.772	0.072	0.2	0.0260	0.0000	OK
600 minute summer	S5	330	54.772	0.175	0.4	0.0620	0.0000	SURCHARGED
600 minute summer	S6	255	54.559	0.009	0.1	0.0031	0.0000	OK
600 minute summer	S7	330	54.547	0.085	0.2	0.0291	0.0000	OK
600 minute summer	S8	255	54.557	0.007	0.1	0.0024	0.0000	OK
600 minute summer	S9	330	54.386	0.086	0.2	0.0284	0.0000	OK
600 minute summer	S10	330	54.503	0.103	0.2	0.0374	0.0000	SURCHARGED
600 minute summer	S11	330	54.503	0.207	0.4	0.0734	0.0000	SURCHARGED
600 minute summer	SA1	315	53.024	0.024	6.4	1.6141	0.0000	OK
600 minute summer	FC1	330	54.771	0.268	0.5	0.0231	0.0000	SURCHARGED
600 minute summer	FC2	330	54.386	0.152	0.4	0.0548	0.0000	SURCHARGED
600 minute summer	FC3	330	54.503	0.269	0.5	0.1047	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
600 minute summer	S1	1.003	J1	0.5	0.443	0.046	0.0136
600 minute summer	S2	1.005	J2	1.6	0.637	0.275	0.0111
600 minute summer	S3	1.007	J3	2.1	1.246	0.044	0.0025
600 minute summer	S4	1.000	S5	0.2	0.218	0.035	0.0778
600 minute summer	S5	1.001	FC1	0.3	0.112	0.057	0.0771
600 minute summer	S6	4.000	S7	0.1	0.216	0.017	0.0343
600 minute summer	S7	4.001	FC4	0.2	0.091	0.041	0.0517
600 minute summer	S8	2.000	S9	0.1	0.256	0.009	0.0297
600 minute summer	S9	2.001	FC2	0.2	0.090	0.041	0.0516
600 minute summer	S10	3.000	S11	0.2	0.208	0.031	0.0726
600 minute summer	S11	3.001	FC3	0.3	0.092	0.068	0.0700
600 minute summer	SA1	Infiltration		6.3			
600 minute summer	FC1	1.002	S1	0.5	0.542	0.085	0.0077
600 minute summer	FC2	Orifice	J1	0.4			
600 minute summer	FC3	Orifice	J2	0.5			

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	FC4	330	54.547	0.151	0.4	0.0561	0.0000	SURCHARGED
600 minute summer	J1	330	54.067	0.026	0.9	0.0000	0.0000	OK
600 minute summer	J2	315	53.935	0.040	2.1	0.0000	0.0000	OK
600 minute summer	J3	315	53.796	0.023	2.5	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
600 minute summer	FC4	Orifice	J3	0.4			
600 minute summer	J1	1.004	S2	0.9	0.444	0.149	0.0118
600 minute summer	J2	1.006	S3	2.1	0.799	0.156	0.0078
600 minute summer	J3	1.008	SA1	2.5	1.591	0.052	0.0195

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	S1	405	54.435	0.011	0.3	0.0032	0.0000	OK
600 minute winter	S2	330	54.018	0.031	1.2	0.0171	0.0000	OK
600 minute winter	S3	330	53.897	0.019	1.6	0.0055	0.0000	OK
600 minute winter	S4	210	54.709	0.009	0.1	0.0033	0.0000	OK
600 minute winter	S5	210	54.610	0.013	0.2	0.0045	0.0000	OK
600 minute winter	S6	225	54.559	0.009	0.1	0.0031	0.0000	OK
600 minute winter	S7	405	54.495	0.033	0.2	0.0113	0.0000	OK
600 minute winter	S8	225	54.557	0.007	0.1	0.0024	0.0000	OK
600 minute winter	S9	405	54.333	0.033	0.2	0.0110	0.0000	OK
600 minute winter	S10	210	54.409	0.009	0.1	0.0032	0.0000	OK
600 minute winter	S11	345	54.396	0.100	0.2	0.0354	0.0000	OK
600 minute winter	SA1	315	53.019	0.019	4.9	1.2392	0.0000	OK
600 minute winter	FC1	405	54.607	0.104	0.3	0.0090	0.0000	SURCHARGED
600 minute winter	FC2	405	54.333	0.099	0.3	0.0358	0.0000	OK
600 minute winter	FC3	345	54.396	0.162	0.4	0.0630	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
600 minute winter	S1	1.003	J1	0.3	0.389	0.027	0.0101
600 minute winter	S2	1.005	J2	1.2	0.585	0.202	0.0089
600 minute winter	S3	1.007	J3	1.6	1.130	0.033	0.0020
600 minute winter	S4	1.000	S5	0.1	0.218	0.017	0.0052
600 minute winter	S5	1.001	FC1	0.2	0.112	0.034	0.0414
600 minute winter	S6	4.000	S7	0.1	0.216	0.017	0.0120
600 minute winter	S7	4.001	FC4	0.2	0.091	0.034	0.0349
600 minute winter	S8	2.000	S9	0.1	0.256	0.009	0.0100
600 minute winter	S9	2.001	FC2	0.2	0.090	0.034	0.0347
600 minute winter	S10	3.000	S11	0.1	0.208	0.016	0.0378
600 minute winter	S11	3.001	FC3	0.2	0.092	0.049	0.0700
600 minute winter	SA1	Infiltration		4.9			
600 minute winter	FC1	1.002	S1	0.3	0.463	0.051	0.0054
600 minute winter	FC2	Orifice	J1	0.3			
600 minute winter	FC3	Orifice	J2	0.4			

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	FC4	405	54.495	0.099	0.3	0.0368	0.0000	OK
600 minute winter	J1	405	54.063	0.022	0.6	0.0000	0.0000	OK
600 minute winter	J2	330	53.929	0.034	1.6	0.0000	0.0000	OK
600 minute winter	J3	330	53.794	0.021	1.9	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
600 minute winter	FC4	Orifice	J3	0.3			
600 minute winter	J1	1.004	S2	0.6	0.418	0.102	0.0094
600 minute winter	J2	1.006	S3	1.6	0.740	0.117	0.0063
600 minute winter	J3	1.008	SA1	1.9	1.550	0.039	0.0148

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	S1	390	54.438	0.014	0.4	0.0039	0.0000	OK
720 minute summer	S2	375	54.022	0.035	1.5	0.0191	0.0000	OK
720 minute summer	S3	375	53.899	0.021	1.9	0.0061	0.0000	OK
720 minute summer	S4	375	54.713	0.013	0.2	0.0046	0.0000	OK
720 minute summer	S5	390	54.712	0.115	0.4	0.0407	0.0000	SURCHARGED
720 minute summer	S6	315	54.559	0.009	0.1	0.0031	0.0000	OK
720 minute summer	S7	375	54.526	0.064	0.2	0.0217	0.0000	OK
720 minute summer	S8	315	54.557	0.007	0.1	0.0024	0.0000	OK
720 minute summer	S9	375	54.364	0.064	0.2	0.0212	0.0000	OK
720 minute summer	S10	390	54.452	0.052	0.2	0.0189	0.0000	OK
720 minute summer	S11	390	54.452	0.156	0.4	0.0554	0.0000	SURCHARGED
720 minute summer	SA1	375	53.022	0.022	5.7	1.4264	0.0000	OK
720 minute summer	FC1	390	54.711	0.208	0.5	0.0179	0.0000	SURCHARGED
720 minute summer	FC2	375	54.364	0.130	0.4	0.0470	0.0000	SURCHARGED
720 minute summer	FC3	390	54.452	0.218	0.5	0.0850	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
720 minute summer	S1	1.003	J1	0.4	0.420	0.040	0.0126
720 minute summer	S2	1.005	J2	1.5	0.619	0.248	0.0103
720 minute summer	S3	1.007	J3	1.9	1.203	0.040	0.0023
720 minute summer	S4	1.000	S5	0.2	0.218	0.035	0.0473
720 minute summer	S5	1.001	FC1	0.3	0.112	0.052	0.0771
720 minute summer	S6	4.000	S7	0.1	0.216	0.017	0.0258
720 minute summer	S7	4.001	FC4	0.2	0.091	0.039	0.0452
720 minute summer	S8	2.000	S9	0.1	0.256	0.009	0.0223
720 minute summer	S9	2.001	FC2	0.2	0.090	0.039	0.0452
720 minute summer	S10	3.000	S11	0.2	0.208	0.031	0.0555
720 minute summer	S11	3.001	FC3	0.3	0.092	0.059	0.0700
720 minute summer	SA1	Infiltration		5.6			
720 minute summer	FC1	1.002	S1	0.4	0.520	0.074	0.0070
720 minute summer	FC2	Orifice	J1	0.3			
720 minute summer	FC3	Orifice	J2	0.5			

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	FC4	375	54.526	0.130	0.4	0.0481	0.0000	SURCHARGED
720 minute summer	J1	390	54.066	0.025	0.8	0.0000	0.0000	OK
720 minute summer	J2	375	53.933	0.038	1.9	0.0000	0.0000	OK
720 minute summer	J3	375	53.795	0.022	2.3	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
720 minute summer	FC4	Orifice	J3	0.3			
720 minute summer	J1	1.004	S2	0.8	0.428	0.134	0.0111
720 minute summer	J2	1.006	S3	1.9	0.779	0.141	0.0072
720 minute summer	J3	1.008	SA1	2.3	1.538	0.047	0.0174

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	S1	450	54.435	0.011	0.3	0.0032	0.0000	OK
720 minute winter	S2	405	54.017	0.030	1.1	0.0163	0.0000	OK
720 minute winter	S3	390	53.897	0.019	1.5	0.0053	0.0000	OK
720 minute winter	S4	255	54.709	0.009	0.1	0.0033	0.0000	OK
720 minute winter	S5	255	54.610	0.013	0.2	0.0045	0.0000	OK
720 minute winter	S6	285	54.559	0.009	0.1	0.0031	0.0000	OK
720 minute winter	S7	465	54.495	0.033	0.2	0.0113	0.0000	OK
720 minute winter	S8	285	54.557	0.007	0.1	0.0024	0.0000	OK
720 minute winter	S9	465	54.333	0.033	0.2	0.0110	0.0000	OK
720 minute winter	S10	255	54.409	0.009	0.1	0.0032	0.0000	OK
720 minute winter	S11	390	54.386	0.090	0.2	0.0320	0.0000	OK
720 minute winter	SA1	375	53.016	0.016	4.3	1.0834	0.0000	OK
720 minute winter	FC1	450	54.607	0.104	0.3	0.0090	0.0000	SURCHARGED
720 minute winter	FC2	465	54.333	0.099	0.3	0.0358	0.0000	OK
720 minute winter	FC3	390	54.386	0.152	0.4	0.0593	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
720 minute winter	S1	1.003	J1	0.3	0.415	0.027	0.0101
720 minute winter	S2	1.005	J2	1.1	0.571	0.185	0.0083
720 minute winter	S3	1.007	J3	1.5	1.090	0.031	0.0020
720 minute winter	S4	1.000	S5	0.1	0.218	0.017	0.0052
720 minute winter	S5	1.001	FC1	0.2	0.112	0.034	0.0414
720 minute winter	S6	4.000	S7	0.1	0.216	0.017	0.0120
720 minute winter	S7	4.001	FC4	0.2	0.091	0.034	0.0349
720 minute winter	S8	2.000	S9	0.1	0.256	0.009	0.0100
720 minute winter	S9	2.001	FC2	0.2	0.090	0.034	0.0347
720 minute winter	S10	3.000	S11	0.1	0.208	0.016	0.0360
720 minute winter	S11	3.001	FC3	0.2	0.092	0.048	0.0682
720 minute winter	SA1	Infiltration		4.3			
720 minute winter	FC1	1.002	S1	0.3	0.463	0.051	0.0054
720 minute winter	FC2	Orifice	J1	0.3			
720 minute winter	FC3	Orifice	J2	0.4			

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	FC4	465	54.495	0.099	0.3	0.0368	0.0000	OK
720 minute winter	J1	465	54.063	0.022	0.6	0.0000	0.0000	OK
720 minute winter	J2	390	53.928	0.033	1.5	0.0000	0.0000	OK
720 minute winter	J3	405	53.794	0.021	1.8	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
720 minute winter	FC4	Orifice	J3	0.3			
720 minute winter	J1	1.004	S2	0.6	0.411	0.102	0.0090
720 minute winter	J2	1.006	S3	1.5	0.725	0.109	0.0060
720 minute winter	J3	1.008	SA1	1.8	1.542	0.037	0.0134

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	S1	585	54.435	0.011	0.3	0.0032	0.0000	OK
960 minute summer	S2	510	54.017	0.030	1.1	0.0163	0.0000	OK
960 minute summer	S3	495	53.897	0.019	1.4	0.0052	0.0000	OK
960 minute summer	S4	405	54.709	0.009	0.1	0.0033	0.0000	OK
960 minute summer	S5	405	54.610	0.013	0.2	0.0045	0.0000	OK
960 minute summer	S6	435	54.559	0.009	0.1	0.0031	0.0000	OK
960 minute summer	S7	555	54.495	0.033	0.2	0.0112	0.0000	OK
960 minute summer	S8	435	54.557	0.007	0.1	0.0024	0.0000	OK
960 minute summer	S9	555	54.333	0.033	0.2	0.0109	0.0000	OK
960 minute summer	S10	405	54.409	0.009	0.1	0.0032	0.0000	OK
960 minute summer	S11	495	54.364	0.068	0.2	0.0241	0.0000	OK
960 minute summer	SA1	495	53.017	0.017	4.4	1.1268	0.0000	OK
960 minute summer	FC1	570	54.607	0.104	0.3	0.0090	0.0000	SURCHARGED
960 minute summer	FC2	555	54.333	0.099	0.3	0.0357	0.0000	OK
960 minute summer	FC3	495	54.364	0.130	0.4	0.0506	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
960 minute summer	S1	1.003	J1	0.3	0.415	0.027	0.0101
960 minute summer	S2	1.005	J2	1.1	0.571	0.185	0.0083
960 minute summer	S3	1.007	J3	1.4	1.089	0.030	0.0019
960 minute summer	S4	1.000	S5	0.1	0.218	0.017	0.0052
960 minute summer	S5	1.001	FC1	0.2	0.112	0.034	0.0414
960 minute summer	S6	4.000	S7	0.1	0.216	0.017	0.0119
960 minute summer	S7	4.001	FC4	0.2	0.091	0.034	0.0348
960 minute summer	S8	2.000	S9	0.1	0.256	0.009	0.0100
960 minute summer	S9	2.001	FC2	0.2	0.090	0.034	0.0346
960 minute summer	S10	3.000	S11	0.1	0.208	0.016	0.0278
960 minute summer	S11	3.001	FC3	0.2	0.092	0.046	0.0603
960 minute summer	SA1	Infiltration		4.4			
960 minute summer	FC1	1.002	S1	0.3	0.463	0.051	0.0054
960 minute summer	FC2	Orifice	J1	0.3			
960 minute summer	FC3	Orifice	J2	0.3			

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	FC4	555	54.495	0.099	0.3	0.0367	0.0000	OK
960 minute summer	J1	555	54.063	0.022	0.6	0.0000	0.0000	OK
960 minute summer	J2	510	53.928	0.033	1.4	0.0000	0.0000	OK
960 minute summer	J3	510	53.793	0.020	1.7	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
960 minute summer	FC4	Orifice	J3	0.3			
960 minute summer	J1	1.004	S2	0.6	0.411	0.102	0.0090
960 minute summer	J2	1.006	S3	1.4	0.720	0.106	0.0059
960 minute summer	J3	1.008	SA1	1.7	1.542	0.037	0.0136

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	S1	555	54.435	0.011	0.3	0.0032	0.0000	OK
960 minute winter	S2	540	54.015	0.028	1.0	0.0155	0.0000	OK
960 minute winter	S3	495	53.895	0.017	1.3	0.0049	0.0000	OK
960 minute winter	S4	360	54.709	0.009	0.1	0.0033	0.0000	OK
960 minute winter	S5	360	54.610	0.013	0.2	0.0045	0.0000	OK
960 minute winter	S6	405	54.559	0.009	0.1	0.0031	0.0000	OK
960 minute winter	S7	585	54.495	0.033	0.2	0.0113	0.0000	OK
960 minute winter	S8	405	54.557	0.007	0.1	0.0024	0.0000	OK
960 minute winter	S9	585	54.333	0.033	0.2	0.0110	0.0000	OK
960 minute winter	S10	360	54.409	0.009	0.1	0.0032	0.0000	OK
960 minute winter	S11	630	54.333	0.037	0.2	0.0132	0.0000	OK
960 minute winter	SA1	495	53.014	0.014	3.6	0.9148	0.0000	OK
960 minute winter	FC1	555	54.607	0.104	0.3	0.0090	0.0000	SURCHARGED
960 minute winter	FC2	585	54.333	0.099	0.3	0.0358	0.0000	OK
960 minute winter	FC3	630	54.333	0.099	0.3	0.0387	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
960 minute winter	S1	1.003	J1	0.3	0.427	0.027	0.0101
960 minute winter	S2	1.005	J2	1.0	0.557	0.168	0.0078
960 minute winter	S3	1.007	J3	1.3	1.028	0.027	0.0019
960 minute winter	S4	1.000	S5	0.1	0.218	0.017	0.0052
960 minute winter	S5	1.001	FC1	0.2	0.112	0.034	0.0414
960 minute winter	S6	4.000	S7	0.1	0.216	0.017	0.0120
960 minute winter	S7	4.001	FC4	0.2	0.091	0.034	0.0349
960 minute winter	S8	2.000	S9	0.1	0.256	0.009	0.0100
960 minute winter	S9	2.001	FC2	0.2	0.090	0.034	0.0347
960 minute winter	S10	3.000	S11	0.1	0.208	0.016	0.0139
960 minute winter	S11	3.001	FC3	0.2	0.092	0.040	0.0468
960 minute winter	SA1	Infiltration		3.6			
960 minute winter	FC1	1.002	S1	0.3	0.463	0.051	0.0054
960 minute winter	FC2	Orifice	J1	0.3			
960 minute winter	FC3	Orifice	J2	0.3			

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	FC4	585	54.495	0.099	0.3	0.0368	0.0000	OK
960 minute winter	J1	585	54.063	0.022	0.6	0.0000	0.0000	OK
960 minute winter	J2	540	53.926	0.031	1.3	0.0000	0.0000	OK
960 minute winter	J3	540	53.793	0.020	1.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
960 minute winter	FC4	Orifice	J3	0.3			
960 minute winter	J1	1.004	S2	0.6	0.411	0.102	0.0086
960 minute winter	J2	1.006	S3	1.3	0.699	0.095	0.0055
960 minute winter	J3	1.008	SA1	1.6	1.551	0.034	0.0119

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	S1	840	54.435	0.011	0.3	0.0032	0.0000	OK
1440 minute summer	S2	750	54.015	0.028	1.0	0.0155	0.0000	OK
1440 minute summer	S3	750	53.895	0.017	1.3	0.0049	0.0000	OK
1440 minute summer	S4	660	54.709	0.009	0.1	0.0033	0.0000	OK
1440 minute summer	S5	660	54.610	0.013	0.2	0.0045	0.0000	OK
1440 minute summer	S6	720	54.559	0.009	0.1	0.0031	0.0000	OK
1440 minute summer	S7	780	54.494	0.032	0.2	0.0110	0.0000	OK
1440 minute summer	S8	720	54.557	0.007	0.1	0.0024	0.0000	OK
1440 minute summer	S9	780	54.332	0.032	0.2	0.0107	0.0000	OK
1440 minute summer	S10	660	54.409	0.009	0.1	0.0032	0.0000	OK
1440 minute summer	S11	840	54.333	0.037	0.2	0.0132	0.0000	OK
1440 minute summer	SA1	750	53.013	0.013	3.5	0.8870	0.0000	OK
1440 minute summer	FC1	840	54.607	0.104	0.3	0.0090	0.0000	SURCHARGED
1440 minute summer	FC2	780	54.332	0.098	0.3	0.0354	0.0000	OK
1440 minute summer	FC3	840	54.333	0.099	0.3	0.0387	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
1440 minute summer	S1	1.003	J1	0.3	0.427	0.027	0.0101
1440 minute summer	S2	1.005	J2	1.0	0.556	0.167	0.0077
1440 minute summer	S3	1.007	J3	1.3	1.024	0.027	0.0018
1440 minute summer	S4	1.000	S5	0.1	0.218	0.017	0.0052
1440 minute summer	S5	1.001	FC1	0.2	0.079	0.034	0.0414
1440 minute summer	S6	4.000	S7	0.1	0.218	0.017	0.0116
1440 minute summer	S7	4.001	FC4	0.2	0.069	0.034	0.0344
1440 minute summer	S8	2.000	S9	0.1	0.255	0.009	0.0097
1440 minute summer	S9	2.001	FC2	0.2	0.068	0.034	0.0343
1440 minute summer	S10	3.000	S11	0.1	0.209	0.016	0.0138
1440 minute summer	S11	3.001	FC3	0.2	0.069	0.040	0.0468
1440 minute summer	SA1	Infiltration		3.5			
1440 minute summer	FC1	1.002	S1	0.3	0.463	0.051	0.0054
1440 minute summer	FC2	Orifice	J1	0.3			
1440 minute summer	FC3	Orifice	J2	0.3			

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	FC4	780	54.494	0.098	0.3	0.0364	0.0000	OK
1440 minute summer	J1	780	54.063	0.021	0.6	0.0000	0.0000	OK
1440 minute summer	J2	750	53.926	0.031	1.3	0.0000	0.0000	OK
1440 minute summer	J3	750	53.793	0.020	1.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
1440 minute summer	FC4	Orifice	J3	0.3			
1440 minute summer	J1	1.004	S2	0.6	0.411	0.101	0.0086
1440 minute summer	J2	1.006	S3	1.3	0.698	0.095	0.0054
1440 minute summer	J3	1.008	SA1	1.6	1.528	0.033	0.0117

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	S1	810	54.435	0.011	0.3	0.0032	0.0000	OK
1440 minute winter	S2	750	54.014	0.027	0.9	0.0146	0.0000	OK
1440 minute winter	S3	750	53.895	0.017	1.2	0.0047	0.0000	OK
1440 minute winter	S4	630	54.709	0.009	0.1	0.0033	0.0000	OK
1440 minute winter	S5	630	54.610	0.013	0.2	0.0045	0.0000	OK
1440 minute winter	S6	750	54.559	0.009	0.1	0.0031	0.0000	OK
1440 minute winter	S7	750	54.486	0.024	0.2	0.0083	0.0000	OK
1440 minute winter	S8	750	54.557	0.007	0.1	0.0024	0.0000	OK
1440 minute winter	S9	750	54.325	0.025	0.2	0.0082	0.0000	OK
1440 minute winter	S10	630	54.409	0.009	0.1	0.0032	0.0000	OK
1440 minute winter	S11	870	54.333	0.037	0.2	0.0132	0.0000	OK
1440 minute winter	SA1	750	53.011	0.011	2.9	0.7283	0.0000	OK
1440 minute winter	FC1	810	54.607	0.104	0.3	0.0090	0.0000	SURCHARGED
1440 minute winter	FC2	750	54.325	0.091	0.3	0.0327	0.0000	OK
1440 minute winter	FC3	870	54.333	0.099	0.3	0.0387	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
1440 minute winter	S1	1.003	J1	0.3	0.427	0.027	0.0100
1440 minute winter	S2	1.005	J2	0.9	0.538	0.149	0.0071
1440 minute winter	S3	1.007	J3	1.2	0.979	0.025	0.0018
1440 minute winter	S4	1.000	S5	0.1	0.218	0.017	0.0052
1440 minute winter	S5	1.001	FC1	0.2	0.079	0.034	0.0414
1440 minute winter	S6	4.000	S7	0.1	0.218	0.017	0.0084
1440 minute winter	S7	4.001	FC4	0.2	0.069	0.032	0.0309
1440 minute winter	S8	2.000	S9	0.1	0.255	0.009	0.0070
1440 minute winter	S9	2.001	FC2	0.2	0.068	0.033	0.0308
1440 minute winter	S10	3.000	S11	0.1	0.209	0.016	0.0139
1440 minute winter	S11	3.001	FC3	0.2	0.069	0.040	0.0468
1440 minute winter	SA1	Infiltration		2.9			
1440 minute winter	FC1	1.002	S1	0.3	0.463	0.051	0.0054
1440 minute winter	FC2	Orifice	J1	0.3			
1440 minute winter	FC3	Orifice	J2	0.3			

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	FC4	750	54.486	0.090	0.3	0.0336	0.0000	OK
1440 minute winter	J1	750	54.062	0.021	0.6	0.0000	0.0000	OK
1440 minute winter	J2	750	53.925	0.030	1.2	0.0000	0.0000	OK
1440 minute winter	J3	750	53.793	0.020	1.5	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
1440 minute winter	FC4	Orifice	J3	0.3			
1440 minute winter	J1	1.004	S2	0.6	0.407	0.099	0.0081
1440 minute winter	J2	1.006	S3	1.2	0.681	0.087	0.0051
1440 minute winter	J3	1.008	SA1	1.5	1.555	0.031	0.0105

Results for 30 year +35% CC 15 minute summer. 255 minute analysis at 1 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	S1	18	54.441	0.017	0.7	0.0047	0.0000	OK
15 minute summer	S2	11	54.138	0.151	8.6	0.0825	0.0000	SURCHARGED
15 minute summer	S3	11	53.928	0.050	9.1	0.0142	0.0000	OK
15 minute summer	S4	12	54.950	0.250	2.8	0.0907	0.0000	SURCHARGED
15 minute summer	S5	16	54.945	0.348	3.5	0.1235	0.0000	SURCHARGED
15 minute summer	S6	13	54.913	0.363	1.8	0.1247	0.0000	SURCHARGED
15 minute summer	S7	16	54.911	0.449	2.1	0.1533	0.0000	SURCHARGED
15 minute summer	S8	13	54.789	0.239	2.7	0.0819	0.0000	SURCHARGED
15 minute summer	S9	15	54.788	0.488	2.7	0.1615	0.0000	SURCHARGED
15 minute summer	S10	12	54.809	0.409	2.0	0.1485	0.0000	SURCHARGED
15 minute summer	S11	16	54.804	0.508	2.9	0.1805	0.0000	SURCHARGED
15 minute summer	SA1	15	53.191	0.191	48.3	12.6297	0.0000	OK
15 minute summer	FC1	17	54.945	0.442	5.1	0.9143	0.0000	SURCHARGED
15 minute summer	FC2	16	54.788	0.554	2.8	0.3646	0.0000	SURCHARGED
15 minute summer	FC3	17	54.804	0.570	4.8	0.8043	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
15 minute summer	S1	1.003	J1	0.7	0.464	0.059	0.0503
15 minute summer	S2	1.005	J2	8.4	1.077	1.416	0.0331
15 minute summer	S3	1.007	J3	9.1	1.871	0.189	0.0070
15 minute summer	S4	1.000	S5	1.6	0.364	0.270	0.0881
15 minute summer	S5	1.001	FC1	3.2	0.407	0.540	0.0771
15 minute summer	S6	4.000	S7	1.0	0.326	0.162	0.0720
15 minute summer	S7	4.001	FC4	1.6	0.212	0.264	0.0541
15 minute summer	S8	2.000	S9	1.3	0.389	0.125	0.0629
15 minute summer	S9	2.001	FC2	1.9	0.240	0.318	0.0539
15 minute summer	S10	3.000	S11	1.4	0.318	0.222	0.0726
15 minute summer	S11	3.001	FC3	2.9	0.367	0.573	0.0700
15 minute summer	SA1	Infiltration		14.3			
15 minute summer	FC1	1.002	S1	0.7	0.585	0.110	0.0092
15 minute summer	FC2	Orifice	J1	0.7			
15 minute summer	FC3	Orifice	J2	0.8			

Results for 30 year +35% 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	FC4	16	54.911	0.515	2.5	0.3448	0.0000	SURCHARGED
15 minute summer	J1	11	54.140	0.099	1.4	0.0000	0.0000	OK
15 minute summer	J2	11	53.984	0.089	9.1	0.0000	0.0000	OK
15 minute summer	J3	12	53.819	0.046	9.7	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
15 minute summer	FC4	Orifice	J3	0.7			
15 minute summer	J1	1.004	S2	2.5	0.597	0.427	0.0442
15 minute summer	J2	1.006	S3	9.1	1.138	0.668	0.0230
15 minute summer	J3	1.008	SA1	9.7	1.939	0.204	0.1205

Results for 30 year +35% CC 15 minute winter. 255 minute analysis at 1 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	S1	18	54.441	0.017	0.7	0.0048	0.0000	OK
15 minute winter	S2	11	54.149	0.162	8.9	0.0884	0.0000	SURCHARGED
15 minute winter	S3	11	53.929	0.051	9.4	0.0145	0.0000	OK
15 minute winter	S4	16	54.966	0.266	2.1	0.0965	0.0000	SURCHARGED
15 minute winter	S5	16	54.966	0.369	3.8	0.1309	0.0000	SURCHARGED
15 minute winter	S6	16	54.928	0.378	2.2	0.1298	0.0000	SURCHARGED
15 minute winter	S7	16	54.928	0.466	1.9	0.1590	0.0000	SURCHARGED
15 minute winter	S8	16	54.805	0.255	1.5	0.0875	0.0000	SURCHARGED
15 minute winter	S9	16	54.805	0.505	2.7	0.1671	0.0000	SURCHARGED
15 minute winter	S10	16	54.825	0.424	2.4	0.1541	0.0000	SURCHARGED
15 minute winter	S11	16	54.824	0.528	3.4	0.1876	0.0000	SURCHARGED
15 minute winter	SA1	16	53.220	0.220	50.8	14.5642	0.0000	OK
15 minute winter	FC1	17	54.966	0.463	5.2	1.1980	0.0000	SURCHARGED
15 minute winter	FC2	17	54.805	0.571	3.3	0.5858	0.0000	SURCHARGED
15 minute winter	FC3	17	54.824	0.590	5.2	1.1057	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
15 minute winter	S1	1.003	J1	0.7	0.475	0.061	0.0506
15 minute winter	S2	1.005	J2	8.8	1.122	1.475	0.0332
15 minute winter	S3	1.007	J3	9.5	1.890	0.197	0.0073
15 minute winter	S4	1.000	S5	1.7	0.382	0.289	0.0881
15 minute winter	S5	1.001	FC1	3.3	0.421	0.559	0.0771
15 minute winter	S6	4.000	S7	-1.0	0.327	-0.164	0.0720
15 minute winter	S7	4.001	FC4	1.7	0.228	0.289	0.0541
15 minute winter	S8	2.000	S9	1.3	0.393	0.125	0.0629
15 minute winter	S9	2.001	FC2	1.7	0.240	0.286	0.0539
15 minute winter	S10	3.000	S11	1.5	0.359	0.236	0.0726
15 minute winter	S11	3.001	FC3	2.9	0.376	0.588	0.0700
15 minute winter	SA1	Infiltration		14.6			
15 minute winter	FC1	1.002	S1	0.7	0.589	0.113	0.0094
15 minute winter	FC2	Orifice	J1	0.8			
15 minute winter	FC3	Orifice	J2	0.8			

Results for 30 year +35% 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	FC4	17	54.928	0.532	3.3	0.5691	0.0000	SURCHARGED
15 minute winter	J1	11	54.152	0.111	1.4	0.0000	0.0000	SURCHARGED
15 minute winter	J2	11	53.986	0.091	9.5	0.0000	0.0000	OK
15 minute winter	J3	11	53.820	0.047	10.1	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
15 minute winter	FC4	Orifice	J3	0.7			
15 minute winter	J1	1.004	S2	2.4	0.601	0.409	0.0442
15 minute winter	J2	1.006	S3	9.4	1.142	0.689	0.0236
15 minute winter	J3	1.008	SA1	10.1	1.965	0.212	0.1211

Results for 30 year +35% CC 30 minute summer. 270 minute analysis at 1 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	S1	30	54.441	0.017	0.7	0.0048	0.0000	OK
30 minute summer	S2	19	54.121	0.134	7.9	0.0731	0.0000	SURCHARGED
30 minute summer	S3	19	53.927	0.049	8.6	0.0137	0.0000	OK
30 minute summer	S4	28	54.969	0.269	1.7	0.0975	0.0000	SURCHARGED
30 minute summer	S5	28	54.968	0.371	3.1	0.1318	0.0000	SURCHARGED
30 minute summer	S6	25	54.930	0.380	1.3	0.1304	0.0000	SURCHARGED
30 minute summer	S7	25	54.930	0.468	2.0	0.1596	0.0000	SURCHARGED
30 minute summer	S8	25	54.807	0.257	1.3	0.0880	0.0000	SURCHARGED
30 minute summer	S9	25	54.806	0.506	2.2	0.1676	0.0000	SURCHARGED
30 minute summer	S10	28	54.828	0.428	1.8	0.1553	0.0000	SURCHARGED
30 minute summer	S11	28	54.827	0.531	3.0	0.1887	0.0000	SURCHARGED
30 minute summer	SA1	23	53.205	0.205	44.3	13.5985	0.0000	OK
30 minute summer	FC1	29	54.968	0.465	4.5	1.2265	0.0000	SURCHARGED
30 minute summer	FC2	26	54.806	0.572	3.2	0.6018	0.0000	SURCHARGED
30 minute summer	FC3	29	54.827	0.593	4.8	1.1478	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
30 minute summer	S1	1.003	J1	0.7	0.479	0.061	0.0455
30 minute summer	S2	1.005	J2	7.8	1.004	1.319	0.0328
30 minute summer	S3	1.007	J3	8.6	1.840	0.179	0.0068
30 minute summer	S4	1.000	S5	1.4	0.303	0.247	0.0881
30 minute summer	S5	1.001	FC1	2.8	0.362	0.481	0.0771
30 minute summer	S6	4.000	S7	1.0	0.271	0.167	0.0720
30 minute summer	S7	4.001	FC4	2.0	0.258	0.343	0.0541
30 minute summer	S8	2.000	S9	1.0	0.324	0.091	0.0629
30 minute summer	S9	2.001	FC2	1.9	0.248	0.328	0.0539
30 minute summer	S10	3.000	S11	1.4	0.284	0.222	0.0726
30 minute summer	S11	3.001	FC3	2.8	0.355	0.555	0.0700
30 minute summer	SA1	Infiltration		14.4			
30 minute summer	FC1	1.002	S1	0.7	0.589	0.113	0.0094
30 minute summer	FC2	Orifice	J1	0.8			
30 minute summer	FC3	Orifice	J2	0.8			

Results for 30 year +35% 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	FC4	26	54.929	0.533	3.3	0.5895	0.0000	SURCHARGED
30 minute summer	J1	19	54.124	0.083	1.4	0.0000	0.0000	OK
30 minute summer	J2	19	53.981	0.086	8.6	0.0000	0.0000	OK
30 minute summer	J3	19	53.818	0.045	9.3	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
30 minute summer	FC4	Orifice	J3	0.7			
30 minute summer	J1	1.004	S2	2.2	0.600	0.376	0.0418
30 minute summer	J2	1.006	S3	8.6	1.125	0.632	0.0221
30 minute summer	J3	1.008	SA1	9.3	1.985	0.195	0.1197

Results for 30 year +35% CC 30 minute winter. 270 minute analysis at 1 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute winter	S1	31	54.441	0.017	0.7	0.0048	0.0000	OK
30 minute winter	S2	19	54.110	0.123	7.4	0.0670	0.0000	SURCHARGED
30 minute winter	S3	19	53.925	0.047	8.2	0.0133	0.0000	OK
30 minute winter	S4	29	54.992	0.292	1.6	0.1059	0.0000	SURCHARGED
30 minute winter	S5	29	54.991	0.394	2.9	0.1400	0.0000	SURCHARGED
30 minute winter	S6	27	54.948	0.398	1.2	0.1366	0.0000	SURCHARGED
30 minute winter	S7	27	54.948	0.486	2.2	0.1657	0.0000	SURCHARGED
30 minute winter	S8	27	54.825	0.275	1.2	0.0943	0.0000	SURCHARGED
30 minute winter	S9	27	54.825	0.525	2.3	0.1736	0.0000	SURCHARGED
30 minute winter	S10	29	54.850	0.450	1.6	0.1634	0.0000	SURCHARGED
30 minute winter	S11	29	54.850	0.554	3.0	0.1966	0.0000	SURCHARGED
30 minute winter	SA1	25	53.233	0.233	40.5	15.4531	0.0000	OK
30 minute winter	FC1	30	54.991	0.488	4.3	1.5383	0.0000	SURCHARGED
30 minute winter	FC2	28	54.824	0.590	3.4	0.8374	0.0000	SURCHARGED
30 minute winter	FC3	30	54.849	0.615	4.8	1.4919	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
30 minute winter	S1	1.003	J1	0.7	0.492	0.062	0.0395
30 minute winter	S2	1.005	J2	7.4	0.950	1.246	0.0325
30 minute winter	S3	1.007	J3	8.2	1.813	0.170	0.0065
30 minute winter	S4	1.000	S5	1.3	0.304	0.232	0.0881
30 minute winter	S5	1.001	FC1	2.7	0.340	0.451	0.0771
30 minute winter	S6	4.000	S7	1.1	0.294	0.192	0.0720
30 minute winter	S7	4.001	FC4	1.9	0.241	0.320	0.0541
30 minute winter	S8	2.000	S9	1.2	0.352	0.108	0.0629
30 minute winter	S9	2.001	FC2	1.9	0.243	0.322	0.0539
30 minute winter	S10	3.000	S11	1.4	0.293	0.213	0.0726
30 minute winter	S11	3.001	FC3	2.8	0.360	0.562	0.0700
30 minute winter	SA1	Infiltration		14.7			
30 minute winter	FC1	1.002	S1	0.7	0.593	0.116	0.0096
30 minute winter	FC2	Orifice	J1	0.8			
30 minute winter	FC3	Orifice	J2	0.8			

Results for 30 year +35% 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	FC4	28	54.947	0.551	3.4	0.8318	0.0000	SURCHARGED
30 minute winter	J1	19	54.112	0.071	1.5	0.0000	0.0000	OK
30 minute winter	J2	19	53.978	0.083	8.2	0.0000	0.0000	OK
30 minute winter	J3	19	53.817	0.044	8.9	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
30 minute winter	FC4	Orifice	J3	0.7			
30 minute winter	J1	1.004	S2	1.8	0.604	0.309	0.0389
30 minute winter	J2	1.006	S3	8.2	1.113	0.599	0.0212
30 minute winter	J3	1.008	SA1	8.9	2.004	0.186	0.1188

Results for 30 year +35% CC 60 minute summer. 300 minute analysis at 1 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute summer	S1	46	54.441	0.017	0.7	0.0048	0.0000	OK
60 minute summer	S2	34	54.080	0.093	6.4	0.0511	0.0000	OK
60 minute summer	S3	34	53.921	0.043	7.0	0.0123	0.0000	OK
60 minute summer	S4	46	54.974	0.274	1.3	0.0993	0.0000	SURCHARGED
60 minute summer	S5	44	54.973	0.376	2.4	0.1336	0.0000	SURCHARGED
60 minute summer	S6	42	54.931	0.381	1.0	0.1306	0.0000	SURCHARGED
60 minute summer	S7	42	54.930	0.468	1.8	0.1597	0.0000	SURCHARGED
60 minute summer	S8	42	54.806	0.256	1.0	0.0880	0.0000	SURCHARGED
60 minute summer	S9	42	54.806	0.506	1.7	0.1675	0.0000	SURCHARGED
60 minute summer	S10	44	54.832	0.432	1.3	0.1568	0.0000	SURCHARGED
60 minute summer	S11	44	54.832	0.536	2.6	0.1902	0.0000	SURCHARGED
60 minute summer	SA1	40	53.186	0.186	33.6	12.3257	0.0000	OK
60 minute summer	FC1	45	54.973	0.470	3.5	1.2953	0.0000	SURCHARGED
60 minute summer	FC2	43	54.805	0.571	2.7	0.5985	0.0000	SURCHARGED
60 minute summer	FC3	45	54.831	0.597	3.9	1.2153	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
60 minute summer	S1	1.003	J1	0.7	0.498	0.061	0.0214
60 minute summer	S2	1.005	J2	6.3	0.871	1.061	0.0312
60 minute summer	S3	1.007	J3	7.0	1.742	0.147	0.0059
60 minute summer	S4	1.000	S5	1.2	0.269	0.201	0.0881
60 minute summer	S5	1.001	FC1	2.2	0.278	0.370	0.0771
60 minute summer	S6	4.000	S7	1.0	0.223	0.163	0.0720
60 minute summer	S7	4.001	FC4	1.6	0.207	0.270	0.0541
60 minute summer	S8	2.000	S9	0.9	0.302	0.084	0.0629
60 minute summer	S9	2.001	FC2	1.6	0.220	0.266	0.0539
60 minute summer	S10	3.000	S11	1.3	0.260	0.197	0.0726
60 minute summer	S11	3.001	FC3	2.3	0.294	0.459	0.0700
60 minute summer	SA1	Infiltration		14.3			
60 minute summer	FC1	1.002	S1	0.7	0.590	0.114	0.0095
60 minute summer	FC2	Orifice	J1	0.8			
60 minute summer	FC3	Orifice	J2	0.8			

Results for 30 year +35% 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	FC4	43	54.930	0.534	2.7	0.5952	0.0000	SURCHARGED
60 minute summer	J1	34	54.080	0.039	1.4	0.0000	0.0000	OK
60 minute summer	J2	34	53.971	0.076	7.1	0.0000	0.0000	OK
60 minute summer	J3	34	53.814	0.041	7.7	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
60 minute summer	FC4	Orifice	J3	0.7			
60 minute summer	J1	1.004	S2	1.6	0.596	0.265	0.0295
60 minute summer	J2	1.006	S3	7.0	1.079	0.518	0.0189
60 minute summer	J3	1.008	SA1	7.7	2.013	0.162	0.1165

Results for 30 year +35% CC 60 minute winter. 300 minute analysis at 1 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	S1	50	54.441	0.017	0.7	0.0048	0.0000	OK
60 minute winter	S2	33	54.068	0.081	5.5	0.0443	0.0000	OK
60 minute winter	S3	33	53.919	0.040	6.3	0.0115	0.0000	OK
60 minute winter	S4	48	54.997	0.297	1.0	0.1077	0.0000	SURCHARGED
60 minute winter	S5	48	54.996	0.399	1.8	0.1418	0.0000	SURCHARGED
60 minute winter	S6	45	54.949	0.399	0.8	0.1368	0.0000	SURCHARGED
60 minute winter	S7	45	54.949	0.487	1.4	0.1659	0.0000	SURCHARGED
60 minute winter	S8	45	54.824	0.274	1.1	0.0941	0.0000	SURCHARGED
60 minute winter	S9	45	54.824	0.524	1.6	0.1735	0.0000	SURCHARGED
60 minute winter	S10	48	54.855	0.455	1.0	0.1652	0.0000	SURCHARGED
60 minute winter	S11	48	54.855	0.559	1.9	0.1984	0.0000	SURCHARGED
60 minute winter	SA1	43	53.198	0.198	27.9	13.1317	0.0000	OK
60 minute winter	FC1	49	54.996	0.493	2.7	1.6062	0.0000	SURCHARGED
60 minute winter	FC2	46	54.824	0.590	2.4	0.8354	0.0000	SURCHARGED
60 minute winter	FC3	49	54.854	0.620	3.1	1.5621	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
60 minute winter	S1	1.003	J1	0.7	0.507	0.063	0.0191
60 minute winter	S2	1.005	J2	5.5	0.838	0.929	0.0285
60 minute winter	S3	1.007	J3	6.3	1.685	0.130	0.0054
60 minute winter	S4	1.000	S5	0.9	0.271	0.164	0.0881
60 minute winter	S5	1.001	FC1	1.7	0.222	0.295	0.0771
60 minute winter	S6	4.000	S7	0.6	0.223	0.110	0.0720
60 minute winter	S7	4.001	FC4	1.3	0.207	0.223	0.0541
60 minute winter	S8	2.000	S9	0.8	0.303	0.073	0.0629
60 minute winter	S9	2.001	FC2	1.4	0.220	0.242	0.0539
60 minute winter	S10	3.000	S11	0.9	0.264	0.144	0.0726
60 minute winter	S11	3.001	FC3	1.8	0.236	0.369	0.0700
60 minute winter	SA1	Infiltration		14.4			
60 minute winter	FC1	1.002	S1	0.7	0.594	0.117	0.0096
60 minute winter	FC2	Orifice	J1	0.8			
60 minute winter	FC3	Orifice	J2	0.8			

Results for 30 year +35% 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	FC4	46	54.948	0.552	2.3	0.8422	0.0000	SURCHARGED
60 minute winter	J1	60	54.075	0.034	1.5	0.0000	0.0000	OK
60 minute winter	J2	33	53.966	0.071	6.3	0.0000	0.0000	OK
60 minute winter	J3	34	53.812	0.039	7.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
60 minute winter	FC4	Orifice	J3	0.7			
60 minute winter	J1	1.004	S2	1.5	0.602	0.247	0.0254
60 minute winter	J2	1.006	S3	6.3	1.050	0.460	0.0173
60 minute winter	J3	1.008	SA1	7.0	2.034	0.146	0.1149

Results for 30 year +35% CC 120 minute summer. 360 minute analysis at 2 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute summer	S1	82	54.441	0.017	0.7	0.0048	0.0000	OK
120 minute summer	S2	64	54.059	0.072	4.8	0.0392	0.0000	OK
120 minute summer	S3	64	53.916	0.038	5.5	0.0107	0.0000	OK
120 minute summer	S4	80	54.979	0.279	0.9	0.1012	0.0000	SURCHARGED
120 minute summer	S5	82	54.978	0.381	1.7	0.1354	0.0000	SURCHARGED
120 minute summer	S6	78	54.928	0.378	0.7	0.1297	0.0000	SURCHARGED
120 minute summer	S7	78	54.928	0.466	1.0	0.1589	0.0000	SURCHARGED
120 minute summer	S8	78	54.803	0.253	0.8	0.0866	0.0000	SURCHARGED
120 minute summer	S9	78	54.803	0.503	1.0	0.1663	0.0000	SURCHARGED
120 minute summer	S10	80	54.834	0.434	0.9	0.1577	0.0000	SURCHARGED
120 minute summer	S11	80	54.834	0.538	1.7	0.1910	0.0000	SURCHARGED
120 minute summer	SA1	74	53.146	0.146	23.8	9.6642	0.0000	OK
120 minute summer	FC1	82	54.978	0.475	2.4	1.3654	0.0000	SURCHARGED
120 minute summer	FC2	78	54.802	0.568	1.7	0.5559	0.0000	SURCHARGED
120 minute summer	FC3	82	54.833	0.599	2.6	1.2494	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
120 minute summer	S1	1.003	J1	0.7	0.512	0.062	0.0189
120 minute summer	S2	1.005	J2	4.8	0.823	0.808	0.0253
120 minute summer	S3	1.007	J3	5.5	1.628	0.115	0.0049
120 minute summer	S4	1.000	S5	0.8	0.260	0.133	0.0881
120 minute summer	S5	1.001	FC1	1.5	0.198	0.260	0.0771
120 minute summer	S6	4.000	S7	0.5	0.223	0.077	0.0720
120 minute summer	S7	4.001	FC4	0.9	0.164	0.155	0.0541
120 minute summer	S8	2.000	S9	0.5	0.277	0.045	0.0629
120 minute summer	S9	2.001	FC2	0.9	0.172	0.155	0.0539
120 minute summer	S10	3.000	S11	0.8	0.221	0.118	0.0726
120 minute summer	S11	3.001	FC3	1.5	0.195	0.305	0.0700
120 minute summer	SA1	Infiltration		13.9			
120 minute summer	FC1	1.002	S1	0.7	0.591	0.115	0.0095
120 minute summer	FC2	Orifice	J1	0.8			
120 minute summer	FC3	Orifice	J2	0.8			

Results for 30 year +35% 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	FC4	78	54.928	0.532	1.7	0.5670	0.0000	SURCHARGED
120 minute summer	J1	90	54.075	0.034	1.4	0.0000	0.0000	OK
120 minute summer	J2	64	53.961	0.066	5.5	0.0000	0.0000	OK
120 minute summer	J3	64	53.810	0.037	6.2	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
120 minute summer	FC4	Orifice	J3	0.7			
120 minute summer	J1	1.004	S2	1.4	0.574	0.243	0.0231
120 minute summer	J2	1.006	S3	5.5	1.021	0.407	0.0158
120 minute summer	J3	1.008	SA1	6.2	1.975	0.130	0.1103

Results for 30 year +35% CC 120 minute winter. 360 minute analysis at 2 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute winter	S1	88	54.441	0.017	0.7	0.0048	0.0000	OK
120 minute winter	S2	64	54.050	0.063	4.0	0.0346	0.0000	OK
120 minute winter	S3	64	53.913	0.035	4.8	0.0099	0.0000	OK
120 minute winter	S4	86	54.995	0.295	0.7	0.1072	0.0000	SURCHARGED
120 minute winter	S5	86	54.995	0.398	1.3	0.1413	0.0000	SURCHARGED
120 minute winter	S6	82	54.938	0.388	0.5	0.1332	0.0000	SURCHARGED
120 minute winter	S7	84	54.938	0.476	1.1	0.1624	0.0000	SURCHARGED
120 minute winter	S8	82	54.812	0.262	0.5	0.0899	0.0000	SURCHARGED
120 minute winter	S9	82	54.812	0.512	1.1	0.1694	0.0000	SURCHARGED
120 minute winter	S10	86	54.850	0.450	0.7	0.1633	0.0000	SURCHARGED
120 minute winter	S11	86	54.850	0.553	1.3	0.1965	0.0000	SURCHARGED
120 minute winter	SA1	78	53.130	0.130	19.1	8.6362	0.0000	OK
120 minute winter	FC1	88	54.995	0.492	1.9	1.5885	0.0000	SURCHARGED
120 minute winter	FC2	84	54.811	0.577	1.7	0.6767	0.0000	SURCHARGED
120 minute winter	FC3	88	54.849	0.615	2.0	1.4815	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
120 minute winter	S1	1.003	J1	0.7	0.523	0.063	0.0191
120 minute winter	S2	1.005	J2	4.0	0.795	0.679	0.0220
120 minute winter	S3	1.007	J3	4.8	1.558	0.099	0.0045
120 minute winter	S4	1.000	S5	0.7	0.260	0.115	0.0881
120 minute winter	S5	1.001	FC1	1.2	0.198	0.211	0.0771
120 minute winter	S6	4.000	S7	0.6	0.223	0.098	0.0720
120 minute winter	S7	4.001	FC4	1.1	0.164	0.183	0.0541
120 minute winter	S8	2.000	S9	0.6	0.277	0.054	0.0629
120 minute winter	S9	2.001	FC2	1.0	0.172	0.171	0.0539
120 minute winter	S10	3.000	S11	0.6	0.221	0.096	0.0726
120 minute winter	S11	3.001	FC3	1.2	0.191	0.246	0.0700
120 minute winter	SA1	Infiltration		13.8			
120 minute winter	FC1	1.002	S1	0.7	0.594	0.117	0.0096
120 minute winter	FC2	Orifice	J1	0.8			
120 minute winter	FC3	Orifice	J2	0.8			

Results for 30 year +35% 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	FC4	84	54.938	0.542	1.8	0.7051	0.0000	SURCHARGED
120 minute winter	J1	96	54.075	0.034	1.5	0.0000	0.0000	OK
120 minute winter	J2	64	53.956	0.061	4.8	0.0000	0.0000	OK
120 minute winter	J3	64	53.807	0.034	5.5	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
120 minute winter	FC4	Orifice	J3	0.7			
120 minute winter	J1	1.004	S2	1.5	0.584	0.246	0.0210
120 minute winter	J2	1.006	S3	4.8	0.985	0.351	0.0141
120 minute winter	J3	1.008	SA1	5.5	2.020	0.114	0.1034

Results for 30 year +35% CC 180 minute summer. 420 minute analysis at 4 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute summer	S1	116	54.441	0.017	0.7	0.0048	0.0000	OK
180 minute summer	S2	96	54.049	0.062	3.9	0.0339	0.0000	OK
180 minute summer	S3	96	53.912	0.034	4.6	0.0097	0.0000	OK
180 minute summer	S4	116	54.976	0.276	0.7	0.1003	0.0000	SURCHARGED
180 minute summer	S5	116	54.976	0.379	1.3	0.1346	0.0000	SURCHARGED
180 minute summer	S6	112	54.917	0.367	0.5	0.1259	0.0000	SURCHARGED
180 minute summer	S7	112	54.917	0.455	0.9	0.1551	0.0000	SURCHARGED
180 minute summer	S8	112	54.790	0.240	0.5	0.0825	0.0000	SURCHARGED
180 minute summer	S9	112	54.790	0.490	0.7	0.1623	0.0000	SURCHARGED
180 minute summer	S10	116	54.831	0.431	0.7	0.1564	0.0000	SURCHARGED
180 minute summer	S11	116	54.831	0.535	1.3	0.1899	0.0000	SURCHARGED
180 minute summer	SA1	104	53.103	0.103	18.6	6.8443	0.0000	OK
180 minute summer	FC1	116	54.976	0.473	1.9	1.3350	0.0000	SURCHARGED
180 minute summer	FC2	112	54.790	0.556	1.2	0.3970	0.0000	SURCHARGED
180 minute summer	FC3	116	54.830	0.596	2.0	1.2048	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
180 minute summer	S1	1.003	J1	0.7	0.533	0.062	0.0188
180 minute summer	S2	1.005	J2	3.9	0.790	0.657	0.0214
180 minute summer	S3	1.007	J3	4.6	1.547	0.097	0.0044
180 minute summer	S4	1.000	S5	0.6	0.218	0.105	0.0881
180 minute summer	S5	1.001	FC1	1.2	0.197	0.206	0.0771
180 minute summer	S6	4.000	S7	0.5	0.219	0.077	0.0720
180 minute summer	S7	4.001	FC4	0.8	0.107	0.136	0.0541
180 minute summer	S8	2.000	S9	0.3	0.278	0.031	0.0629
180 minute summer	S9	2.001	FC2	0.6	0.114	0.099	0.0539
180 minute summer	S10	3.000	S11	0.6	0.214	0.096	0.0726
180 minute summer	S11	3.001	FC3	1.2	0.186	0.245	0.0700
180 minute summer	SA1	Infiltration		13.5			
180 minute summer	FC1	1.002	S1	0.7	0.591	0.114	0.0095
180 minute summer	FC2	Orifice	J1	0.7			
180 minute summer	FC3	Orifice	J2	0.8			

Results for 30 year +35% 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	FC4	112	54.917	0.521	1.4	0.4168	0.0000	SURCHARGED
180 minute summer	J1	124	54.075	0.034	1.4	0.0000	0.0000	OK
180 minute summer	J2	96	53.955	0.060	4.6	0.0000	0.0000	OK
180 minute summer	J3	96	53.807	0.034	5.3	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
180 minute summer	FC4	Orifice	J3	0.7			
180 minute summer	J1	1.004	S2	1.4	0.539	0.241	0.0205
180 minute summer	J2	1.006	S3	4.6	0.979	0.341	0.0138
180 minute summer	J3	1.008	SA1	5.3	1.851	0.111	0.0852

Results for 30 year +35% CC 180 minute winter. 420 minute analysis at 4 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute winter	S1	124	54.441	0.017	0.7	0.0048	0.0000	OK
180 minute winter	S2	96	54.043	0.056	3.3	0.0304	0.0000	OK
180 minute winter	S3	96	53.910	0.032	4.1	0.0090	0.0000	OK
180 minute winter	S4	124	54.976	0.276	0.5	0.1001	0.0000	SURCHARGED
180 minute winter	S5	124	54.976	0.379	0.9	0.1344	0.0000	SURCHARGED
180 minute winter	S6	116	54.918	0.368	0.4	0.1261	0.0000	SURCHARGED
180 minute winter	S7	116	54.918	0.456	0.6	0.1553	0.0000	SURCHARGED
180 minute winter	S8	116	54.790	0.240	0.4	0.0823	0.0000	SURCHARGED
180 minute winter	S9	116	54.790	0.490	0.6	0.1621	0.0000	SURCHARGED
180 minute winter	S10	124	54.832	0.432	0.5	0.1569	0.0000	SURCHARGED
180 minute winter	S11	124	54.832	0.536	1.0	0.1904	0.0000	SURCHARGED
180 minute winter	SA1	108	53.072	0.072	14.9	4.7610	0.0000	OK
180 minute winter	FC1	124	54.975	0.472	1.4	1.3276	0.0000	SURCHARGED
180 minute winter	FC2	116	54.789	0.555	1.1	0.3899	0.0000	SURCHARGED
180 minute winter	FC3	124	54.832	0.598	1.5	1.2267	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
180 minute winter	S1	1.003	J1	0.7	0.519	0.061	0.0187
180 minute winter	S2	1.005	J2	3.3	0.761	0.557	0.0188
180 minute winter	S3	1.007	J3	4.0	1.484	0.084	0.0040
180 minute winter	S4	1.000	S5	0.4	0.220	0.077	0.0881
180 minute winter	S5	1.001	FC1	0.9	0.197	0.151	0.0771
180 minute winter	S6	4.000	S7	0.4	0.219	0.063	0.0720
180 minute winter	S7	4.001	FC4	0.6	0.119	0.096	0.0541
180 minute winter	S8	2.000	S9	0.3	0.276	0.028	0.0629
180 minute winter	S9	2.001	FC2	0.6	0.133	0.099	0.0539
180 minute winter	S10	3.000	S11	0.5	0.214	0.070	0.0726
180 minute winter	S11	3.001	FC3	0.9	0.186	0.180	0.0700
180 minute winter	SA1	Infiltration		13.2			
180 minute winter	FC1	1.002	S1	0.7	0.590	0.114	0.0095
180 minute winter	FC2	Orifice	J1	0.7			
180 minute winter	FC3	Orifice	J2	0.8			

Results for 30 year +35% 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	FC4	116	54.917	0.521	1.0	0.4257	0.0000	SURCHARGED
180 minute winter	J1	136	54.075	0.034	1.4	0.0000	0.0000	OK
180 minute winter	J2	96	53.951	0.056	4.1	0.0000	0.0000	OK
180 minute winter	J3	100	53.805	0.032	4.7	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
180 minute winter	FC4	Orifice	J3	0.7			
180 minute winter	J1	1.004	S2	1.4	0.551	0.241	0.0187
180 minute winter	J2	1.006	S3	4.1	0.947	0.298	0.0125
180 minute winter	J3	1.008	SA1	4.7	1.914	0.099	0.0598

Results for 30 year +35% CC 240 minute summer. 480 minute analysis at 4 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute summer	S1	148	54.441	0.017	0.7	0.0047	0.0000	OK
240 minute summer	S2	124	54.044	0.057	3.4	0.0310	0.0000	OK
240 minute summer	S3	128	53.910	0.032	4.1	0.0091	0.0000	OK
240 minute summer	S4	148	54.943	0.243	0.6	0.0881	0.0000	SURCHARGED
240 minute summer	S5	148	54.943	0.346	1.1	0.1227	0.0000	SURCHARGED
240 minute summer	S6	144	54.883	0.333	0.4	0.1143	0.0000	SURCHARGED
240 minute summer	S7	144	54.883	0.421	0.6	0.1436	0.0000	SURCHARGED
240 minute summer	S8	140	54.748	0.198	0.5	0.0680	0.0000	SURCHARGED
240 minute summer	S9	140	54.748	0.448	0.6	0.1484	0.0000	SURCHARGED
240 minute summer	S10	148	54.804	0.404	0.6	0.1467	0.0000	SURCHARGED
240 minute summer	S11	148	54.804	0.508	1.0	0.1804	0.0000	SURCHARGED
240 minute summer	SA1	132	53.071	0.071	15.9	4.7322	0.0000	OK
240 minute summer	FC1	148	54.942	0.439	1.6	0.8786	0.0000	SURCHARGED
240 minute summer	FC2	140	54.748	0.514	0.9	0.1855	0.0000	SURCHARGED
240 minute summer	FC3	148	54.804	0.570	1.5	0.8004	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
240 minute summer	S1	1.003	J1	0.7	0.522	0.059	0.0179
240 minute summer	S2	1.005	J2	3.4	0.766	0.574	0.0193
240 minute summer	S3	1.007	J3	4.1	1.500	0.086	0.0040
240 minute summer	S4	1.000	S5	0.5	0.218	0.089	0.0881
240 minute summer	S5	1.001	FC1	1.0	0.197	0.175	0.0771
240 minute summer	S6	4.000	S7	0.2	0.219	0.039	0.0720
240 minute summer	S7	4.001	FC4	0.5	0.107	0.078	0.0541
240 minute summer	S8	2.000	S9	0.3	0.278	0.028	0.0629
240 minute summer	S9	2.001	FC2	0.5	0.114	0.080	0.0539
240 minute summer	S10	3.000	S11	0.5	0.217	0.073	0.0726
240 minute summer	S11	3.001	FC3	0.9	0.118	0.184	0.0700
240 minute summer	SA1	Infiltration		13.2			
240 minute summer	FC1	1.002	S1	0.7	0.584	0.110	0.0092
240 minute summer	FC2	Orifice	J1	0.7			
240 minute summer	FC3	Orifice	J2	0.8			

Results for 30 year +35% 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	FC4	144	54.883	0.487	0.9	0.1805	0.0000	SURCHARGED
240 minute summer	J1	144	54.074	0.033	1.4	0.0000	0.0000	OK
240 minute summer	J2	128	53.951	0.056	4.1	0.0000	0.0000	OK
240 minute summer	J3	128	53.805	0.032	4.8	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
240 minute summer	FC4	Orifice	J3	0.7			
240 minute summer	J1	1.004	S2	1.4	0.529	0.231	0.0188
240 minute summer	J2	1.006	S3	4.1	0.950	0.303	0.0126
240 minute summer	J3	1.008	SA1	4.8	1.765	0.100	0.0594

Results for 30 year +35% CC 240 minute winter. 480 minute analysis at 4 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute winter	S1	156	54.441	0.017	0.7	0.0047	0.0000	OK
240 minute winter	S2	132	54.038	0.051	2.9	0.0281	0.0000	OK
240 minute winter	S3	132	53.908	0.030	3.6	0.0085	0.0000	OK
240 minute winter	S4	156	54.954	0.254	0.4	0.0924	0.0000	SURCHARGED
240 minute winter	S5	156	54.954	0.357	0.8	0.1269	0.0000	SURCHARGED
240 minute winter	S6	144	54.894	0.344	0.3	0.1180	0.0000	SURCHARGED
240 minute winter	S7	144	54.894	0.432	0.5	0.1473	0.0000	SURCHARGED
240 minute winter	S8	144	54.753	0.203	0.3	0.0697	0.0000	SURCHARGED
240 minute winter	S9	144	54.753	0.453	0.6	0.1500	0.0000	SURCHARGED
240 minute winter	S10	152	54.808	0.408	0.4	0.1482	0.0000	SURCHARGED
240 minute winter	S11	156	54.808	0.512	0.8	0.1818	0.0000	SURCHARGED
240 minute winter	SA1	128	53.048	0.048	12.6	3.1509	0.0000	OK
240 minute winter	FC1	156	54.954	0.451	1.1	1.0386	0.0000	SURCHARGED
240 minute winter	FC2	144	54.753	0.519	0.8	0.1872	0.0000	SURCHARGED
240 minute winter	FC3	156	54.808	0.574	1.2	0.8611	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
240 minute winter	S1	1.003	J1	0.7	0.506	0.060	0.0181
240 minute winter	S2	1.005	J2	2.9	0.738	0.489	0.0170
240 minute winter	S3	1.007	J3	3.6	1.437	0.076	0.0037
240 minute winter	S4	1.000	S5	0.4	0.218	0.064	0.0881
240 minute winter	S5	1.001	FC1	0.7	0.197	0.127	0.0771
240 minute winter	S6	4.000	S7	0.2	0.219	0.040	0.0720
240 minute winter	S7	4.001	FC4	0.5	0.108	0.079	0.0541
240 minute winter	S8	2.000	S9	0.3	0.278	0.028	0.0629
240 minute winter	S9	2.001	FC2	0.5	0.119	0.081	0.0539
240 minute winter	S10	3.000	S11	0.4	0.217	0.058	0.0726
240 minute winter	S11	3.001	FC3	0.7	0.113	0.149	0.0700
240 minute winter	SA1	Infiltration		12.4			
240 minute winter	FC1	1.002	S1	0.7	0.586	0.111	0.0093
240 minute winter	FC2	Orifice	J1	0.7			
240 minute winter	FC3	Orifice	J2	0.8			

Results for 30 year +35% 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	FC4	144	54.894	0.498	0.8	0.1846	0.0000	SURCHARGED
240 minute winter	J1	152	54.074	0.033	1.4	0.0000	0.0000	OK
240 minute winter	J2	132	53.948	0.053	3.6	0.0000	0.0000	OK
240 minute winter	J3	132	53.803	0.030	4.3	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
240 minute winter	FC4	Orifice	J3	0.7			
240 minute winter	J1	1.004	S2	1.4	0.530	0.233	0.0175
240 minute winter	J2	1.006	S3	3.6	0.922	0.268	0.0115
240 minute winter	J3	1.008	SA1	4.3	1.760	0.090	0.0399

Results for 30 year +35% CC 360 minute summer. 600 minute analysis at 8 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute summer	S1	208	54.440	0.016	0.6	0.0046	0.0000	OK
360 minute summer	S2	184	54.038	0.051	2.9	0.0279	0.0000	OK
360 minute summer	S3	184	53.908	0.030	3.5	0.0084	0.0000	OK
360 minute summer	S4	208	54.922	0.222	0.4	0.0807	0.0000	SURCHARGED
360 minute summer	S5	208	54.922	0.325	0.8	0.1154	0.0000	SURCHARGED
360 minute summer	S6	208	54.810	0.260	0.3	0.0893	0.0000	SURCHARGED
360 minute summer	S7	208	54.810	0.348	0.5	0.1188	0.0000	SURCHARGED
360 minute summer	S8	200	54.673	0.123	0.3	0.0422	0.0000	SURCHARGED
360 minute summer	S9	200	54.673	0.373	0.6	0.1234	0.0000	SURCHARGED
360 minute summer	S10	208	54.779	0.379	0.4	0.1375	0.0000	SURCHARGED
360 minute summer	S11	208	54.779	0.483	0.6	0.1714	0.0000	SURCHARGED
360 minute summer	SA1	192	53.045	0.045	12.5	2.9807	0.0000	OK
360 minute summer	FC1	208	54.922	0.419	1.1	0.6021	0.0000	SURCHARGED
360 minute summer	FC2	200	54.672	0.438	0.8	0.1583	0.0000	SURCHARGED
360 minute summer	FC3	208	54.778	0.544	1.0	0.4151	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
360 minute summer	S1	1.003	J1	0.6	0.506	0.058	0.0174
360 minute summer	S2	1.005	J2	2.9	0.736	0.484	0.0169
360 minute summer	S3	1.007	J3	3.5	1.436	0.073	0.0036
360 minute summer	S4	1.000	S5	0.4	0.218	0.064	0.0881
360 minute summer	S5	1.001	FC1	0.7	0.161	0.124	0.0771
360 minute summer	S6	4.000	S7	0.2	0.219	0.036	0.0720
360 minute summer	S7	4.001	FC4	0.4	0.120	0.073	0.0541
360 minute summer	S8	2.000	S9	0.3	0.257	0.028	0.0629
360 minute summer	S9	2.001	FC2	0.4	0.120	0.074	0.0539
360 minute summer	S10	3.000	S11	0.3	0.210	0.045	0.0726
360 minute summer	S11	3.001	FC3	0.6	0.119	0.114	0.0700
360 minute summer	SA1	Infiltration		11.7			
360 minute summer	FC1	1.002	S1	0.6	0.580	0.107	0.0091
360 minute summer	FC2	Orifice	J1	0.7			
360 minute summer	FC3	Orifice	J2	0.7			

Results for 30 year +35% 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	FC4	208	54.810	0.414	0.7	0.1535	0.0000	SURCHARGED
360 minute summer	J1	208	54.073	0.032	1.3	0.0000	0.0000	OK
360 minute summer	J2	184	53.947	0.052	3.5	0.0000	0.0000	OK
360 minute summer	J3	184	53.803	0.030	4.1	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
360 minute summer	FC4	Orifice	J3	0.6			
360 minute summer	J1	1.004	S2	1.3	0.516	0.219	0.0170
360 minute summer	J2	1.006	S3	3.5	0.914	0.260	0.0113
360 minute summer	J3	1.008	SA1	4.1	1.737	0.085	0.0373

Results for 30 year +35% CC 360 minute winter. 600 minute analysis at 8 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute winter	S1	216	54.440	0.016	0.6	0.0046	0.0000	OK
360 minute winter	S2	192	54.033	0.046	2.4	0.0251	0.0000	OK
360 minute winter	S3	192	53.906	0.028	3.1	0.0078	0.0000	OK
360 minute winter	S4	216	54.917	0.217	0.3	0.0788	0.0000	SURCHARGED
360 minute winter	S5	216	54.917	0.320	0.6	0.1136	0.0000	SURCHARGED
360 minute winter	S6	216	54.763	0.213	0.2	0.0731	0.0000	SURCHARGED
360 minute winter	S7	216	54.763	0.301	0.4	0.1026	0.0000	SURCHARGED
360 minute winter	S8	216	54.616	0.066	0.2	0.0226	0.0000	OK
360 minute winter	S9	216	54.616	0.316	0.4	0.1046	0.0000	SURCHARGED
360 minute winter	S10	216	54.773	0.373	0.3	0.1353	0.0000	SURCHARGED
360 minute winter	S11	216	54.773	0.477	0.6	0.1692	0.0000	SURCHARGED
360 minute winter	SA1	192	53.037	0.037	9.7	2.4553	0.0000	OK
360 minute winter	FC1	216	54.917	0.414	0.9	0.5330	0.0000	SURCHARGED
360 minute winter	FC2	216	54.615	0.381	0.6	0.1377	0.0000	SURCHARGED
360 minute winter	FC3	216	54.772	0.538	0.9	0.3214	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
360 minute winter	S1	1.003	J1	0.6	0.486	0.057	0.0170
360 minute winter	S2	1.005	J2	2.4	0.703	0.403	0.0148
360 minute winter	S3	1.007	J3	3.1	1.377	0.065	0.0033
360 minute winter	S4	1.000	S5	0.3	0.218	0.049	0.0881
360 minute winter	S5	1.001	FC1	0.6	0.161	0.096	0.0771
360 minute winter	S6	4.000	S7	0.2	0.219	0.034	0.0720
360 minute winter	S7	4.001	FC4	0.4	0.120	0.068	0.0541
360 minute winter	S8	2.000	S9	0.2	0.257	0.019	0.0535
360 minute winter	S9	2.001	FC2	0.4	0.120	0.069	0.0539
360 minute winter	S10	3.000	S11	0.3	0.210	0.045	0.0726
360 minute winter	S11	3.001	FC3	0.6	0.119	0.116	0.0700
360 minute winter	SA1	Infiltration		9.7			
360 minute winter	FC1	1.002	S1	0.6	0.579	0.107	0.0090
360 minute winter	FC2	Orifice	J1	0.6			
360 minute winter	FC3	Orifice	J2	0.7			

Results for 30 year +35% 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	FC4	216	54.762	0.366	0.6	0.1360	0.0000	SURCHARGED
360 minute winter	J1	216	54.072	0.031	1.2	0.0000	0.0000	OK
360 minute winter	J2	192	53.944	0.049	3.1	0.0000	0.0000	OK
360 minute winter	J3	192	53.801	0.028	3.7	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
360 minute winter	FC4	Orifice	J3	0.6			
360 minute winter	J1	1.004	S2	1.2	0.503	0.211	0.0156
360 minute winter	J2	1.006	S3	3.1	0.884	0.228	0.0103
360 minute winter	J3	1.008	SA1	3.7	1.700	0.077	0.0308

Results for 30 year +35% CC 480 minute summer. 720 minute analysis at 8 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute summer	S1	264	54.440	0.016	0.6	0.0045	0.0000	OK
480 minute summer	S2	248	54.033	0.046	2.4	0.0253	0.0000	OK
480 minute summer	S3	248	53.905	0.027	3.1	0.0078	0.0000	OK
480 minute summer	S4	264	54.892	0.192	0.3	0.0695	0.0000	SURCHARGED
480 minute summer	S5	264	54.891	0.294	0.6	0.1045	0.0000	SURCHARGED
480 minute summer	S6	272	54.715	0.165	0.2	0.0566	0.0000	SURCHARGED
480 minute summer	S7	272	54.715	0.253	0.4	0.0863	0.0000	SURCHARGED
480 minute summer	S8	272	54.579	0.029	0.2	0.0100	0.0000	OK
480 minute summer	S9	272	54.579	0.279	0.4	0.0924	0.0000	SURCHARGED
480 minute summer	S10	272	54.708	0.308	0.3	0.1119	0.0000	SURCHARGED
480 minute summer	S11	272	54.708	0.412	0.5	0.1463	0.0000	SURCHARGED
480 minute summer	SA1	248	53.038	0.038	10.1	2.5164	0.0000	OK
480 minute summer	FC1	264	54.891	0.388	0.9	0.1874	0.0000	SURCHARGED
480 minute summer	FC2	272	54.579	0.345	0.6	0.1244	0.0000	SURCHARGED
480 minute summer	FC3	272	54.708	0.474	0.8	0.1847	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
480 minute summer	S1	1.003	J1	0.6	0.480	0.055	0.0165
480 minute summer	S2	1.005	J2	2.4	0.706	0.409	0.0149
480 minute summer	S3	1.007	J3	3.1	1.377	0.064	0.0032
480 minute summer	S4	1.000	S5	0.3	0.218	0.049	0.0881
480 minute summer	S5	1.001	FC1	0.6	0.161	0.095	0.0771
480 minute summer	S6	4.000	S7	0.2	0.219	0.032	0.0720
480 minute summer	S7	4.001	FC4	0.4	0.120	0.063	0.0541
480 minute summer	S8	2.000	S9	0.2	0.257	0.019	0.0391
480 minute summer	S9	2.001	FC2	0.4	0.120	0.066	0.0539
480 minute summer	S10	3.000	S11	0.2	0.210	0.036	0.0726
480 minute summer	S11	3.001	FC3	0.5	0.119	0.091	0.0700
480 minute summer	SA1	Infiltration		9.9			
480 minute summer	FC1	1.002	S1	0.6	0.573	0.103	0.0088
480 minute summer	FC2	Orifice	J1	0.6			
480 minute summer	FC3	Orifice	J2	0.7			

Results for 30 year +35% 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	FC4	272	54.715	0.319	0.6	0.1182	0.0000	SURCHARGED
480 minute summer	J1	272	54.071	0.030	1.2	0.0000	0.0000	OK
480 minute summer	J2	248	53.943	0.048	3.1	0.0000	0.0000	OK
480 minute summer	J3	248	53.801	0.028	3.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
480 minute summer	FC4	Orifice	J3	0.6			
480 minute summer	J1	1.004	S2	1.2	0.493	0.202	0.0155
480 minute summer	J2	1.006	S3	3.1	0.881	0.225	0.0102
480 minute summer	J3	1.008	SA1	3.6	1.681	0.075	0.0312

Results for 30 year +35% CC 480 minute winter. 720 minute analysis at 8 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute winter	S1	296	54.439	0.015	0.6	0.0044	0.0000	OK
480 minute winter	S2	248	54.029	0.042	2.0	0.0228	0.0000	OK
480 minute winter	S3	248	53.903	0.025	2.6	0.0071	0.0000	OK
480 minute winter	S4	296	54.837	0.137	0.2	0.0499	0.0000	SURCHARGED
480 minute winter	S5	296	54.837	0.240	0.4	0.0853	0.0000	SURCHARGED
480 minute winter	S6	272	54.681	0.131	0.2	0.0449	0.0000	SURCHARGED
480 minute winter	S7	272	54.681	0.219	0.4	0.0746	0.0000	SURCHARGED
480 minute winter	S8	224	54.560	0.010	0.2	0.0033	0.0000	OK
480 minute winter	S9	272	54.547	0.247	0.4	0.0817	0.0000	SURCHARGED
480 minute winter	S10	280	54.623	0.223	0.2	0.0809	0.0000	SURCHARGED
480 minute winter	S11	280	54.623	0.327	0.4	0.1160	0.0000	SURCHARGED
480 minute winter	SA1	248	53.030	0.030	7.9	1.9909	0.0000	OK
480 minute winter	FC1	296	54.837	0.334	0.6	0.0287	0.0000	SURCHARGED
480 minute winter	FC2	272	54.546	0.312	0.6	0.1128	0.0000	SURCHARGED
480 minute winter	FC3	280	54.622	0.388	0.6	0.1514	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
480 minute winter	S1	1.003	J1	0.6	0.455	0.051	0.0155
480 minute winter	S2	1.005	J2	2.0	0.673	0.341	0.0130
480 minute winter	S3	1.007	J3	2.6	1.311	0.054	0.0029
480 minute winter	S4	1.000	S5	0.2	0.218	0.035	0.0881
480 minute winter	S5	1.001	FC1	0.4	0.161	0.064	0.0771
480 minute winter	S6	4.000	S7	0.2	0.219	0.032	0.0720
480 minute winter	S7	4.001	FC4	0.4	0.120	0.060	0.0541
480 minute winter	S8	2.000	S9	0.2	0.257	0.019	0.0330
480 minute winter	S9	2.001	FC2	0.4	0.120	0.064	0.0539
480 minute winter	S10	3.000	S11	0.2	0.210	0.032	0.0726
480 minute winter	S11	3.001	FC3	0.4	0.119	0.083	0.0700
480 minute winter	SA1	Infiltration		7.8			
480 minute winter	FC1	1.002	S1	0.6	0.560	0.095	0.0083
480 minute winter	FC2	Orifice	J1	0.6			
480 minute winter	FC3	Orifice	J2	0.6			

Results for 30 year +35% 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	FC4	272	54.681	0.285	0.6	0.1056	0.0000	SURCHARGED
480 minute winter	J1	280	54.070	0.029	1.1	0.0000	0.0000	OK
480 minute winter	J2	248	53.939	0.044	2.6	0.0000	0.0000	OK
480 minute winter	J3	264	53.799	0.026	3.1	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
480 minute winter	FC4	Orifice	J3	0.5			
480 minute winter	J1	1.004	S2	1.1	0.464	0.186	0.0138
480 minute winter	J2	1.006	S3	2.6	0.844	0.191	0.0090
480 minute winter	J3	1.008	SA1	3.1	1.626	0.065	0.0246

Results for 30 year +35% CC 600 minute summer. 840 minute analysis at 15 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute summer	S1	330	54.440	0.016	0.6	0.0045	0.0000	OK
600 minute summer	S2	315	54.030	0.043	2.2	0.0235	0.0000	OK
600 minute summer	S3	315	53.904	0.026	2.8	0.0074	0.0000	OK
600 minute summer	S4	330	54.888	0.188	0.3	0.0684	0.0000	SURCHARGED
600 minute summer	S5	330	54.888	0.291	0.5	0.1034	0.0000	SURCHARGED
600 minute summer	S6	330	54.704	0.154	0.2	0.0530	0.0000	SURCHARGED
600 minute summer	S7	330	54.704	0.242	0.4	0.0827	0.0000	SURCHARGED
600 minute summer	S8	330	54.573	0.023	0.2	0.0079	0.0000	OK
600 minute summer	S9	330	54.573	0.273	0.4	0.0903	0.0000	SURCHARGED
600 minute summer	S10	330	54.676	0.276	0.3	0.1001	0.0000	SURCHARGED
600 minute summer	S11	330	54.676	0.380	0.5	0.1348	0.0000	SURCHARGED
600 minute summer	SA1	315	53.032	0.032	8.5	2.1359	0.0000	OK
600 minute summer	FC1	330	54.888	0.385	0.7	0.1449	0.0000	SURCHARGED
600 minute summer	FC2	330	54.573	0.339	0.6	0.1222	0.0000	SURCHARGED
600 minute summer	FC3	330	54.675	0.441	0.7	0.1721	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
600 minute summer	S1	1.003	J1	0.6	0.469	0.055	0.0164
600 minute summer	S2	1.005	J2	2.1	0.684	0.361	0.0136
600 minute summer	S3	1.007	J3	2.8	1.334	0.058	0.0030
600 minute summer	S4	1.000	S5	0.2	0.218	0.035	0.0881
600 minute summer	S5	1.001	FC1	0.4	0.112	0.069	0.0771
600 minute summer	S6	4.000	S7	0.2	0.216	0.033	0.0720
600 minute summer	S7	4.001	FC4	0.4	0.091	0.062	0.0541
600 minute summer	S8	2.000	S9	0.2	0.256	0.019	0.0369
600 minute summer	S9	2.001	FC2	0.4	0.090	0.065	0.0539
600 minute summer	S10	3.000	S11	0.2	0.208	0.034	0.0726
600 minute summer	S11	3.001	FC3	0.4	0.092	0.088	0.0700
600 minute summer	SA1	Infiltration		8.4			
600 minute summer	FC1	1.002	S1	0.6	0.572	0.103	0.0088
600 minute summer	FC2	Orifice	J1	0.6			
600 minute summer	FC3	Orifice	J2	0.7			

Results for 30 year +35% 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	FC4	330	54.704	0.308	0.6	0.1143	0.0000	SURCHARGED
600 minute summer	J1	330	54.071	0.030	1.2	0.0000	0.0000	OK
600 minute summer	J2	315	53.941	0.046	2.8	0.0000	0.0000	OK
600 minute summer	J3	315	53.800	0.027	3.3	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
600 minute summer	FC4	Orifice	J3	0.6			
600 minute summer	J1	1.004	S2	1.2	0.486	0.201	0.0146
600 minute summer	J2	1.006	S3	2.8	0.859	0.204	0.0094
600 minute summer	J3	1.008	SA1	3.3	1.639	0.069	0.0266

Results for 30 year +35% CC 600 minute winter. 840 minute analysis at 15 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute winter	S1	360	54.439	0.015	0.6	0.0044	0.0000	OK
600 minute winter	S2	315	54.025	0.038	1.7	0.0207	0.0000	OK
600 minute winter	S3	315	53.901	0.023	2.2	0.0066	0.0000	OK
600 minute winter	S4	360	54.840	0.140	0.2	0.0510	0.0000	SURCHARGED
600 minute winter	S5	360	54.840	0.243	0.4	0.0864	0.0000	SURCHARGED
600 minute winter	S6	360	54.561	0.011	0.1	0.0037	0.0000	OK
600 minute winter	S7	360	54.561	0.099	0.2	0.0337	0.0000	OK
600 minute winter	S8	210	54.557	0.007	0.1	0.0024	0.0000	OK
600 minute winter	S9	360	54.400	0.100	0.2	0.0330	0.0000	OK
600 minute winter	S10	360	54.566	0.166	0.2	0.0602	0.0000	SURCHARGED
600 minute winter	S11	360	54.566	0.270	0.4	0.0957	0.0000	SURCHARGED
600 minute winter	SA1	315	53.025	0.025	6.6	1.6824	0.0000	OK
600 minute winter	FC1	360	54.840	0.337	0.6	0.0290	0.0000	SURCHARGED
600 minute winter	FC2	360	54.400	0.166	0.4	0.0598	0.0000	SURCHARGED
600 minute winter	FC3	360	54.565	0.331	0.6	0.1292	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
600 minute winter	S1	1.003	J1	0.6	0.463	0.051	0.0146
600 minute winter	S2	1.005	J2	1.7	0.644	0.288	0.0115
600 minute winter	S3	1.007	J3	2.2	1.265	0.047	0.0026
600 minute winter	S4	1.000	S5	0.2	0.218	0.035	0.0881
600 minute winter	S5	1.001	FC1	0.4	0.112	0.064	0.0771
600 minute winter	S6	4.000	S7	0.1	0.216	0.017	0.0380
600 minute winter	S7	4.001	FC4	0.2	0.091	0.042	0.0541
600 minute winter	S8	2.000	S9	0.1	0.256	0.009	0.0324
600 minute winter	S9	2.001	FC2	0.2	0.090	0.042	0.0539
600 minute winter	S10	3.000	S11	0.2	0.208	0.031	0.0726
600 minute winter	S11	3.001	FC3	0.4	0.092	0.076	0.0700
600 minute winter	SA1	Infiltration		6.6			
600 minute winter	FC1	1.002	S1	0.6	0.561	0.096	0.0084
600 minute winter	FC2	Orifice	J1	0.4			
600 minute winter	FC3	Orifice	J2	0.6			

Results for 30 year +35% 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	FC4	360	54.561	0.165	0.4	0.0611	0.0000	SURCHARGED
600 minute winter	J1	360	54.068	0.027	1.0	0.0000	0.0000	OK
600 minute winter	J2	315	53.936	0.041	2.2	0.0000	0.0000	OK
600 minute winter	J3	315	53.797	0.024	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
600 minute winter	FC4	Orifice	J3	0.4			
600 minute winter	J1	1.004	S2	1.0	0.456	0.163	0.0124
600 minute winter	J2	1.006	S3	2.2	0.812	0.165	0.0081
600 minute winter	J3	1.008	SA1	2.6	1.581	0.055	0.0205

Results for 30 year +35% CC 720 minute summer. 960 minute analysis at 15 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute summer	S1	405	54.439	0.015	0.5	0.0043	0.0000	OK
720 minute summer	S2	375	54.027	0.040	1.9	0.0218	0.0000	OK
720 minute summer	S3	375	53.902	0.024	2.4	0.0069	0.0000	OK
720 minute summer	S4	405	54.814	0.114	0.2	0.0414	0.0000	SURCHARGED
720 minute summer	S5	405	54.814	0.217	0.4	0.0770	0.0000	SURCHARGED
720 minute summer	S6	390	54.618	0.068	0.2	0.0232	0.0000	OK
720 minute summer	S7	390	54.618	0.156	0.3	0.0531	0.0000	SURCHARGED
720 minute summer	S8	375	54.560	0.010	0.2	0.0033	0.0000	OK
720 minute summer	S9	390	54.476	0.176	0.4	0.0582	0.0000	SURCHARGED
720 minute summer	S10	405	54.573	0.173	0.2	0.0630	0.0000	SURCHARGED
720 minute summer	S11	405	54.573	0.277	0.4	0.0984	0.0000	SURCHARGED
720 minute summer	SA1	375	53.028	0.028	7.5	1.8860	0.0000	OK
720 minute summer	FC1	405	54.814	0.311	0.6	0.0267	0.0000	SURCHARGED
720 minute summer	FC2	390	54.476	0.242	0.5	0.0873	0.0000	SURCHARGED
720 minute summer	FC3	405	54.573	0.339	0.6	0.1322	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
720 minute summer	S1	1.003	J1	0.5	0.450	0.049	0.0147
720 minute summer	S2	1.005	J2	1.9	0.660	0.316	0.0123
720 minute summer	S3	1.007	J3	2.4	1.286	0.050	0.0027
720 minute summer	S4	1.000	S5	0.2	0.218	0.035	0.0881
720 minute summer	S5	1.001	FC1	0.4	0.112	0.061	0.0771
720 minute summer	S6	4.000	S7	0.1	0.216	0.025	0.0619
720 minute summer	S7	4.001	FC4	0.3	0.091	0.050	0.0541
720 minute summer	S8	2.000	S9	0.2	0.256	0.019	0.0330
720 minute summer	S9	2.001	FC2	0.3	0.090	0.057	0.0539
720 minute summer	S10	3.000	S11	0.2	0.208	0.031	0.0726
720 minute summer	S11	3.001	FC3	0.4	0.092	0.077	0.0700
720 minute summer	SA1	Infiltration		7.4			
720 minute summer	FC1	1.002	S1	0.5	0.554	0.092	0.0081
720 minute summer	FC2	Orifice	J1	0.5			
720 minute summer	FC3	Orifice	J2	0.6			

Results for 30 year +35% 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	FC4	390	54.617	0.221	0.5	0.0822	0.0000	SURCHARGED
720 minute summer	J1	390	54.069	0.028	1.0	0.0000	0.0000	OK
720 minute summer	J2	375	53.938	0.043	2.4	0.0000	0.0000	OK
720 minute summer	J3	375	53.798	0.025	2.9	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
720 minute summer	FC4	Orifice	J3	0.5			
720 minute summer	J1	1.004	S2	1.0	0.460	0.171	0.0131
720 minute summer	J2	1.006	S3	2.4	0.829	0.178	0.0086
720 minute summer	J3	1.008	SA1	2.9	1.604	0.060	0.0231

Results for 30 year +35% CC 720 minute winter. 960 minute analysis at 15 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute winter	S1	405	54.439	0.015	0.5	0.0043	0.0000	OK
720 minute winter	S2	390	54.024	0.037	1.6	0.0200	0.0000	OK
720 minute winter	S3	390	53.901	0.023	2.1	0.0064	0.0000	OK
720 minute winter	S4	405	54.814	0.114	0.2	0.0414	0.0000	SURCHARGED
720 minute winter	S5	405	54.814	0.217	0.4	0.0770	0.0000	SURCHARGED
720 minute winter	S6	255	54.559	0.009	0.1	0.0031	0.0000	OK
720 minute winter	S7	405	54.558	0.096	0.2	0.0327	0.0000	OK
720 minute winter	S8	255	54.557	0.007	0.1	0.0024	0.0000	OK
720 minute winter	S9	405	54.396	0.096	0.2	0.0318	0.0000	OK
720 minute winter	S10	405	54.546	0.146	0.2	0.0531	0.0000	SURCHARGED
720 minute winter	S11	405	54.546	0.250	0.4	0.0889	0.0000	SURCHARGED
720 minute winter	SA1	375	53.023	0.022	5.9	1.4898	0.0000	OK
720 minute winter	FC1	405	54.814	0.311	0.6	0.0267	0.0000	SURCHARGED
720 minute winter	FC2	405	54.396	0.162	0.4	0.0585	0.0000	SURCHARGED
720 minute winter	FC3	405	54.546	0.312	0.6	0.1216	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
720 minute winter	S1	1.003	J1	0.5	0.454	0.049	0.0142
720 minute winter	S2	1.005	J2	1.6	0.634	0.271	0.0110
720 minute winter	S3	1.007	J3	2.1	1.240	0.045	0.0025
720 minute winter	S4	1.000	S5	0.2	0.218	0.035	0.0881
720 minute winter	S5	1.001	FC1	0.4	0.112	0.061	0.0771
720 minute winter	S6	4.000	S7	0.1	0.216	0.017	0.0371
720 minute winter	S7	4.001	FC4	0.2	0.091	0.042	0.0538
720 minute winter	S8	2.000	S9	0.1	0.256	0.009	0.0320
720 minute winter	S9	2.001	FC2	0.2	0.090	0.041	0.0536
720 minute winter	S10	3.000	S11	0.2	0.208	0.031	0.0726
720 minute winter	S11	3.001	FC3	0.4	0.092	0.074	0.0700
720 minute winter	SA1	Infiltration		5.9			
720 minute winter	FC1	1.002	S1	0.5	0.554	0.092	0.0081
720 minute winter	FC2	Orifice	J1	0.4			
720 minute winter	FC3	Orifice	J2	0.6			

Results for 30 year +35% 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	FC4	405	54.558	0.162	0.4	0.0600	0.0000	SURCHARGED
720 minute winter	J1	405	54.068	0.027	0.9	0.0000	0.0000	OK
720 minute winter	J2	390	53.935	0.040	2.2	0.0000	0.0000	OK
720 minute winter	J3	390	53.797	0.024	2.5	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
720 minute winter	FC4	Orifice	J3	0.4			
720 minute winter	J1	1.004	S2	0.9	0.447	0.158	0.0120
720 minute winter	J2	1.006	S3	2.1	0.803	0.158	0.0078
720 minute winter	J3	1.008	SA1	2.5	1.560	0.053	0.0187

Results for 30 year +35% CC 960 minute summer. 1200 minute analysis at 15 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute summer	S1	510	54.439	0.015	0.5	0.0041	0.0000	OK
960 minute summer	S2	495	54.023	0.036	1.5	0.0195	0.0000	OK
960 minute summer	S3	495	53.900	0.022	2.0	0.0063	0.0000	OK
960 minute summer	S4	510	54.772	0.072	0.2	0.0261	0.0000	OK
960 minute summer	S5	510	54.772	0.175	0.4	0.0620	0.0000	SURCHARGED
960 minute summer	S6	405	54.559	0.009	0.1	0.0031	0.0000	OK
960 minute summer	S7	510	54.548	0.086	0.2	0.0294	0.0000	OK
960 minute summer	S8	405	54.557	0.007	0.1	0.0024	0.0000	OK
960 minute summer	S9	510	54.387	0.087	0.2	0.0287	0.0000	OK
960 minute summer	S10	510	54.504	0.104	0.2	0.0379	0.0000	SURCHARGED
960 minute summer	S11	510	54.504	0.208	0.4	0.0740	0.0000	SURCHARGED
960 minute summer	SA1	495	53.023	0.023	6.0	1.5153	0.0000	OK
960 minute summer	FC1	510	54.771	0.268	0.5	0.0231	0.0000	SURCHARGED
960 minute summer	FC2	510	54.387	0.153	0.4	0.0552	0.0000	SURCHARGED
960 minute summer	FC3	510	54.504	0.270	0.5	0.1053	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
960 minute summer	S1	1.003	J1	0.5	0.440	0.046	0.0136
960 minute summer	S2	1.005	J2	1.5	0.626	0.259	0.0106
960 minute summer	S3	1.007	J3	2.0	1.226	0.042	0.0024
960 minute summer	S4	1.000	S5	0.2	0.218	0.035	0.0779
960 minute summer	S5	1.001	FC1	0.3	0.112	0.057	0.0771
960 minute summer	S6	4.000	S7	0.1	0.216	0.017	0.0347
960 minute summer	S7	4.001	FC4	0.2	0.091	0.041	0.0519
960 minute summer	S8	2.000	S9	0.1	0.256	0.009	0.0300
960 minute summer	S9	2.001	FC2	0.2	0.090	0.041	0.0518
960 minute summer	S10	3.000	S11	0.2	0.208	0.031	0.0726
960 minute summer	S11	3.001	FC3	0.3	0.092	0.068	0.0700
960 minute summer	SA1	Infiltration		6.0			
960 minute summer	FC1	1.002	S1	0.5	0.542	0.085	0.0077
960 minute summer	FC2	Orifice	J1	0.4			
960 minute summer	FC3	Orifice	J2	0.5			

Results for 30 year +35% 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	FC4	510	54.548	0.152	0.4	0.0565	0.0000	SURCHARGED
960 minute summer	J1	510	54.067	0.026	0.9	0.0000	0.0000	OK
960 minute summer	J2	495	53.934	0.039	2.0	0.0000	0.0000	OK
960 minute summer	J3	510	53.796	0.023	2.4	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
960 minute summer	FC4	Orifice	J3	0.4			
960 minute summer	J1	1.004	S2	0.9	0.444	0.149	0.0115
960 minute summer	J2	1.006	S3	2.0	0.790	0.149	0.0075
960 minute summer	J3	1.008	SA1	2.4	1.556	0.050	0.0184

Results for 30 year +35% CC 960 minute winter. 1200 minute analysis at 15 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute winter	S1	510	54.435	0.011	0.3	0.0032	0.0000	OK
960 minute winter	S2	540	54.017	0.030	1.1	0.0163	0.0000	OK
960 minute winter	S3	525	53.897	0.019	1.5	0.0053	0.0000	OK
960 minute winter	S4	315	54.709	0.009	0.1	0.0033	0.0000	OK
960 minute winter	S5	315	54.610	0.013	0.2	0.0045	0.0000	OK
960 minute winter	S6	360	54.559	0.009	0.1	0.0031	0.0000	OK
960 minute winter	S7	630	54.495	0.033	0.2	0.0113	0.0000	OK
960 minute winter	S8	360	54.557	0.007	0.1	0.0024	0.0000	OK
960 minute winter	S9	630	54.333	0.033	0.2	0.0110	0.0000	OK
960 minute winter	S10	315	54.409	0.009	0.1	0.0032	0.0000	OK
960 minute winter	S11	525	54.396	0.100	0.2	0.0355	0.0000	OK
960 minute winter	SA1	495	53.017	0.017	4.5	1.1385	0.0000	OK
960 minute winter	FC1	510	54.607	0.104	0.3	0.0090	0.0000	SURCHARGED
960 minute winter	FC2	630	54.333	0.099	0.3	0.0358	0.0000	OK
960 minute winter	FC3	525	54.396	0.162	0.4	0.0631	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
960 minute winter	S1	1.003	J1	0.3	0.427	0.027	0.0101
960 minute winter	S2	1.005	J2	1.1	0.572	0.185	0.0083
960 minute winter	S3	1.007	J3	1.5	1.098	0.031	0.0020
960 minute winter	S4	1.000	S5	0.1	0.218	0.017	0.0052
960 minute winter	S5	1.001	FC1	0.2	0.112	0.034	0.0414
960 minute winter	S6	4.000	S7	0.1	0.216	0.017	0.0120
960 minute winter	S7	4.001	FC4	0.2	0.091	0.034	0.0349
960 minute winter	S8	2.000	S9	0.1	0.256	0.009	0.0101
960 minute winter	S9	2.001	FC2	0.2	0.090	0.034	0.0347
960 minute winter	S10	3.000	S11	0.1	0.208	0.016	0.0378
960 minute winter	S11	3.001	FC3	0.2	0.092	0.049	0.0700
960 minute winter	SA1	Infiltration		4.5			
960 minute winter	FC1	1.002	S1	0.3	0.463	0.051	0.0054
960 minute winter	FC2	Orifice	J1	0.3			
960 minute winter	FC3	Orifice	J2	0.4			

Results for 30 year +35% 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	FC4	630	54.495	0.099	0.3	0.0368	0.0000	OK
960 minute winter	J1	630	54.063	0.022	0.6	0.0000	0.0000	OK
960 minute winter	J2	525	53.929	0.033	1.5	0.0000	0.0000	OK
960 minute winter	J3	525	53.794	0.021	1.8	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
960 minute winter	FC4	Orifice	J3	0.3			
960 minute winter	J1	1.004	S2	0.6	0.411	0.102	0.0090
960 minute winter	J2	1.006	S3	1.5	0.727	0.110	0.0060
960 minute winter	J3	1.008	SA1	1.8	1.553	0.038	0.0138

Results for 30 year +35% CC 1440 minute summer. 1680 minute analysis at 30 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute summer	S1	810	54.435	0.011	0.3	0.0032	0.0000	OK
1440 minute summer	S2	750	54.017	0.030	1.1	0.0163	0.0000	OK
1440 minute summer	S3	750	53.897	0.019	1.5	0.0053	0.0000	OK
1440 minute summer	S4	630	54.709	0.009	0.1	0.0033	0.0000	OK
1440 minute summer	S5	630	54.610	0.013	0.2	0.0045	0.0000	OK
1440 minute summer	S6	660	54.559	0.009	0.1	0.0031	0.0000	OK
1440 minute summer	S7	840	54.495	0.033	0.2	0.0113	0.0000	OK
1440 minute summer	S8	660	54.557	0.007	0.1	0.0024	0.0000	OK
1440 minute summer	S9	840	54.333	0.033	0.2	0.0110	0.0000	OK
1440 minute summer	S10	630	54.409	0.009	0.1	0.0032	0.0000	OK
1440 minute summer	S11	750	54.382	0.086	0.2	0.0304	0.0000	OK
1440 minute summer	SA1	750	53.016	0.016	4.3	1.0858	0.0000	OK
1440 minute summer	FC1	810	54.607	0.104	0.3	0.0090	0.0000	SURCHARGED
1440 minute summer	FC2	840	54.333	0.099	0.3	0.0358	0.0000	OK
1440 minute summer	FC3	750	54.382	0.148	0.4	0.0576	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
1440 minute summer	S1	1.003	J1	0.3	0.391	0.027	0.0101
1440 minute summer	S2	1.005	J2	1.1	0.571	0.185	0.0083
1440 minute summer	S3	1.007	J3	1.5	1.090	0.031	0.0020
1440 minute summer	S4	1.000	S5	0.1	0.218	0.017	0.0052
1440 minute summer	S5	1.001	FC1	0.2	0.079	0.034	0.0414
1440 minute summer	S6	4.000	S7	0.1	0.218	0.017	0.0120
1440 minute summer	S7	4.001	FC4	0.2	0.069	0.034	0.0349
1440 minute summer	S8	2.000	S9	0.1	0.255	0.009	0.0100
1440 minute summer	S9	2.001	FC2	0.2	0.068	0.034	0.0347
1440 minute summer	S10	3.000	S11	0.1	0.209	0.016	0.0347
1440 minute summer	S11	3.001	FC3	0.2	0.069	0.047	0.0670
1440 minute summer	SA1	Infiltration		4.3			
1440 minute summer	FC1	1.002	S1	0.3	0.463	0.051	0.0054
1440 minute summer	FC2	Orifice	J1	0.3			
1440 minute summer	FC3	Orifice	J2	0.4			

Results for 30 year +35% 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	FC4	840	54.495	0.099	0.3	0.0368	0.0000	OK
1440 minute summer	J1	840	54.063	0.022	0.6	0.0000	0.0000	OK
1440 minute summer	J2	750	53.928	0.033	1.5	0.0000	0.0000	OK
1440 minute summer	J3	750	53.794	0.021	1.8	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
1440 minute summer	FC4	Orifice	J3	0.3			
1440 minute summer	J1	1.004	S2	0.6	0.411	0.102	0.0090
1440 minute summer	J2	1.006	S3	1.5	0.724	0.108	0.0060
1440 minute summer	J3	1.008	SA1	1.8	1.557	0.037	0.0135

Results for 30 year +35% CC 1440 minute winter. 1680 minute analysis at 30 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute winter	S1	750	54.435	0.011	0.3	0.0032	0.0000	OK
1440 minute winter	S2	780	54.015	0.028	1.0	0.0155	0.0000	OK
1440 minute winter	S3	750	53.895	0.017	1.3	0.0049	0.0000	OK
1440 minute winter	S4	570	54.709	0.009	0.1	0.0033	0.0000	OK
1440 minute winter	S5	570	54.610	0.013	0.2	0.0045	0.0000	OK
1440 minute winter	S6	630	54.559	0.009	0.1	0.0031	0.0000	OK
1440 minute winter	S7	870	54.495	0.033	0.2	0.0113	0.0000	OK
1440 minute winter	S8	630	54.557	0.007	0.1	0.0024	0.0000	OK
1440 minute winter	S9	870	54.333	0.033	0.2	0.0110	0.0000	OK
1440 minute winter	S10	570	54.409	0.009	0.1	0.0032	0.0000	OK
1440 minute winter	S11	930	54.333	0.037	0.2	0.0132	0.0000	OK
1440 minute winter	SA1	750	53.013	0.013	3.5	0.8903	0.0000	OK
1440 minute winter	FC1	750	54.607	0.104	0.3	0.0090	0.0000	SURCHARGED
1440 minute winter	FC2	870	54.333	0.099	0.3	0.0358	0.0000	OK
1440 minute winter	FC3	930	54.333	0.099	0.3	0.0387	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
1440 minute winter	S1	1.003	J1	0.3	0.427	0.027	0.0101
1440 minute winter	S2	1.005	J2	1.0	0.557	0.168	0.0078
1440 minute winter	S3	1.007	J3	1.3	1.025	0.027	0.0019
1440 minute winter	S4	1.000	S5	0.1	0.218	0.017	0.0052
1440 minute winter	S5	1.001	FC1	0.2	0.079	0.034	0.0414
1440 minute winter	S6	4.000	S7	0.1	0.218	0.017	0.0120
1440 minute winter	S7	4.001	FC4	0.2	0.069	0.034	0.0349
1440 minute winter	S8	2.000	S9	0.1	0.255	0.009	0.0101
1440 minute winter	S9	2.001	FC2	0.2	0.068	0.034	0.0347
1440 minute winter	S10	3.000	S11	0.1	0.209	0.016	0.0139
1440 minute winter	S11	3.001	FC3	0.2	0.069	0.040	0.0468
1440 minute winter	SA1	Infiltration		3.5			
1440 minute winter	FC1	1.002	S1	0.3	0.463	0.051	0.0054
1440 minute winter	FC2	Orifice	J1	0.3			
1440 minute winter	FC3	Orifice	J2	0.3			

Results for 30 year +35% 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	FC4	870	54.495	0.099	0.3	0.0368	0.0000	OK
1440 minute winter	J1	870	54.063	0.022	0.6	0.0000	0.0000	OK
1440 minute winter	J2	780	53.926	0.031	1.3	0.0000	0.0000	OK
1440 minute winter	J3	690	53.793	0.020	1.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
1440 minute winter	FC4	Orifice	J3	0.3			
1440 minute winter	J1	1.004	S2	0.6	0.411	0.102	0.0086
1440 minute winter	J2	1.006	S3	1.3	0.699	0.096	0.0055
1440 minute winter	J3	1.008	SA1	1.6	1.557	0.034	0.0118

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

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	S1	18	54.441	0.017	0.7	0.0047	0.0000	OK
15 minute summer	S2	11	54.126	0.139	8.2	0.0763	0.0000	SURCHARGED
15 minute summer	S3	11	53.927	0.049	8.7	0.0138	0.0000	OK
15 minute summer	S4	12	54.945	0.245	2.7	0.0890	0.0000	SURCHARGED
15 minute summer	S5	16	54.942	0.345	3.3	0.1224	0.0000	SURCHARGED
15 minute summer	S6	15	54.909	0.359	1.7	0.1232	0.0000	SURCHARGED
15 minute summer	S7	15	54.909	0.447	2.1	0.1523	0.0000	SURCHARGED
15 minute summer	S8	13	54.786	0.236	2.3	0.0810	0.0000	SURCHARGED
15 minute summer	S9	15	54.785	0.485	2.6	0.1604	0.0000	SURCHARGED
15 minute summer	S10	12	54.804	0.404	1.9	0.1465	0.0000	SURCHARGED
15 minute summer	S11	16	54.800	0.504	2.9	0.1789	0.0000	SURCHARGED
15 minute summer	SA1	15	53.178	0.178	46.1	11.8127	0.0000	OK
15 minute summer	FC1	17	54.941	0.438	4.9	0.8689	0.0000	SURCHARGED
15 minute summer	FC2	16	54.784	0.550	2.3	0.3203	0.0000	SURCHARGED
15 minute summer	FC3	17	54.800	0.566	4.5	0.7378	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
15 minute summer	S1	1.003	J1	0.7	0.463	0.059	0.0473
15 minute summer	S2	1.005	J2	8.0	1.028	1.351	0.0329
15 minute summer	S3	1.007	J3	8.7	1.851	0.181	0.0068
15 minute summer	S4	1.000	S5	1.5	0.363	0.259	0.0881
15 minute summer	S5	1.001	FC1	3.1	0.393	0.522	0.0771
15 minute summer	S6	4.000	S7	1.0	0.325	0.162	0.0720
15 minute summer	S7	4.001	FC4	0.8	0.212	0.144	0.0541
15 minute summer	S8	2.000	S9	1.3	0.388	0.117	0.0629
15 minute summer	S9	2.001	FC2	1.4	0.222	0.237	0.0539
15 minute summer	S10	3.000	S11	1.4	0.318	0.224	0.0726
15 minute summer	S11	3.001	FC3	2.7	0.347	0.542	0.0700
15 minute summer	SA1	Infiltration		14.2			
15 minute summer	FC1	1.002	S1	0.7	0.584	0.110	0.0092
15 minute summer	FC2	Orifice	J1	0.7			
15 minute summer	FC3	Orifice	J2	0.8			

Results for 100 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	FC4	16	54.908	0.512	1.9	0.3008	0.0000	SURCHARGED
15 minute summer	J1	11	54.129	0.088	1.4	0.0000	0.0000	OK
15 minute summer	J2	11	53.982	0.087	8.8	0.0000	0.0000	OK
15 minute summer	J3	12	53.818	0.045	9.3	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
15 minute summer	FC4	Orifice	J3	0.7			
15 minute summer	J1	1.004	S2	2.4	0.597	0.409	0.0427
15 minute summer	J2	1.006	S3	8.7	1.128	0.640	0.0223
15 minute summer	J3	1.008	SA1	9.4	1.939	0.196	0.1198

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

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	S1	18	54.441	0.017	0.7	0.0047	0.0000	OK
15 minute winter	S2	11	54.136	0.149	8.4	0.0815	0.0000	SURCHARGED
15 minute winter	S3	11	53.928	0.050	9.1	0.0141	0.0000	OK
15 minute winter	S4	17	54.954	0.254	2.0	0.0920	0.0000	SURCHARGED
15 minute winter	S5	17	54.953	0.356	3.4	0.1266	0.0000	SURCHARGED
15 minute winter	S6	16	54.922	0.372	1.7	0.1275	0.0000	SURCHARGED
15 minute winter	S7	16	54.921	0.459	1.9	0.1567	0.0000	SURCHARGED
15 minute winter	S8	16	54.798	0.248	2.2	0.0851	0.0000	SURCHARGED
15 minute winter	S9	16	54.798	0.498	2.7	0.1648	0.0000	SURCHARGED
15 minute winter	S10	17	54.814	0.414	2.6	0.1502	0.0000	SURCHARGED
15 minute winter	S11	17	54.814	0.518	2.9	0.1838	0.0000	SURCHARGED
15 minute winter	SA1	15	53.205	0.205	48.4	13.6023	0.0000	OK
15 minute winter	FC1	17	54.953	0.450	4.9	1.0287	0.0000	SURCHARGED
15 minute winter	FC2	17	54.797	0.563	2.8	0.4922	0.0000	SURCHARGED
15 minute winter	FC3	17	54.814	0.580	4.7	0.9496	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
15 minute winter	S1	1.003	J1	0.7	0.462	0.060	0.0502
15 minute winter	S2	1.005	J2	8.4	1.071	1.408	0.0330
15 minute winter	S3	1.007	J3	9.0	1.869	0.188	0.0070
15 minute winter	S4	1.000	S5	1.6	0.396	0.278	0.0881
15 minute winter	S5	1.001	FC1	3.1	0.401	0.533	0.0771
15 minute winter	S6	4.000	S7	0.8	0.327	0.141	0.0720
15 minute winter	S7	4.001	FC4	1.7	0.254	0.293	0.0541
15 minute winter	S8	2.000	S9	1.3	0.393	0.125	0.0629
15 minute winter	S9	2.001	FC2	1.7	0.266	0.281	0.0539
15 minute winter	S10	3.000	S11	1.4	0.339	0.218	0.0726
15 minute winter	S11	3.001	FC3	2.8	0.354	0.553	0.0700
15 minute winter	SA1	Infiltration		14.4			
15 minute winter	FC1	1.002	S1	0.7	0.586	0.111	0.0093
15 minute winter	FC2	Orifice	J1	0.8			
15 minute winter	FC3	Orifice	J2	0.8			

Results for 100 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	FC4	17	54.921	0.525	2.8	0.4753	0.0000	SURCHARGED
15 minute winter	J1	11	54.139	0.098	1.4	0.0000	0.0000	OK
15 minute winter	J2	11	53.984	0.089	9.1	0.0000	0.0000	OK
15 minute winter	J3	12	53.819	0.046	9.7	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
15 minute winter	FC4	Orifice	J3	0.7			
15 minute winter	J1	1.004	S2	2.2	0.599	0.377	0.0441
15 minute winter	J2	1.006	S3	9.1	1.137	0.666	0.0230
15 minute winter	J3	1.008	SA1	9.7	1.951	0.203	0.1204

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

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	S1	29	54.441	0.017	0.7	0.0047	0.0000	OK
30 minute summer	S2	19	54.114	0.127	7.7	0.0694	0.0000	SURCHARGED
30 minute summer	S3	19	53.926	0.048	8.3	0.0135	0.0000	OK
30 minute summer	S4	29	54.962	0.262	1.7	0.0952	0.0000	SURCHARGED
30 minute summer	S5	27	54.962	0.365	3.1	0.1296	0.0000	SURCHARGED
30 minute summer	S6	26	54.924	0.374	1.3	0.1283	0.0000	SURCHARGED
30 minute summer	S7	26	54.924	0.462	1.9	0.1575	0.0000	SURCHARGED
30 minute summer	S8	26	54.800	0.250	1.6	0.0858	0.0000	SURCHARGED
30 minute summer	S9	26	54.800	0.500	2.2	0.1655	0.0000	SURCHARGED
30 minute summer	S10	27	54.821	0.421	1.7	0.1527	0.0000	SURCHARGED
30 minute summer	S11	27	54.820	0.524	2.8	0.1861	0.0000	SURCHARGED
30 minute summer	SA1	23	53.194	0.194	42.6	12.8560	0.0000	OK
30 minute summer	FC1	28	54.962	0.459	4.5	1.1426	0.0000	SURCHARGED
30 minute summer	FC2	25	54.800	0.566	3.0	0.5228	0.0000	SURCHARGED
30 minute summer	FC3	28	54.820	0.586	4.6	1.0411	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
30 minute summer	S1	1.003	J1	0.7	0.478	0.061	0.0420
30 minute summer	S2	1.005	J2	7.6	0.972	1.276	0.0327
30 minute summer	S3	1.007	J3	8.3	1.826	0.174	0.0067
30 minute summer	S4	1.000	S5	1.4	0.303	0.248	0.0881
30 minute summer	S5	1.001	FC1	2.8	0.362	0.481	0.0771
30 minute summer	S6	4.000	S7	1.0	0.271	0.177	0.0720
30 minute summer	S7	4.001	FC4	1.7	0.216	0.286	0.0541
30 minute summer	S8	2.000	S9	1.1	0.324	0.098	0.0629
30 minute summer	S9	2.001	FC2	1.8	0.231	0.306	0.0539
30 minute summer	S10	3.000	S11	1.3	0.269	0.208	0.0726
30 minute summer	S11	3.001	FC3	2.7	0.351	0.548	0.0700
30 minute summer	SA1	Infiltration		14.3			
30 minute summer	FC1	1.002	S1	0.7	0.588	0.112	0.0094
30 minute summer	FC2	Orifice	J1	0.8			
30 minute summer	FC3	Orifice	J2	0.8			

Results for 100 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	FC4	25	54.923	0.527	2.9	0.5084	0.0000	SURCHARGED
30 minute summer	J1	19	54.117	0.076	1.4	0.0000	0.0000	OK
30 minute summer	J2	19	53.979	0.084	8.3	0.0000	0.0000	OK
30 minute summer	J3	19	53.817	0.044	9.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
30 minute summer	FC4	Orifice	J3	0.7			
30 minute summer	J1	1.004	S2	2.2	0.599	0.372	0.0401
30 minute summer	J2	1.006	S3	8.3	1.118	0.613	0.0215
30 minute summer	J3	1.008	SA1	9.0	1.980	0.189	0.1191

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

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute winter	S1	31	54.441	0.017	0.7	0.0048	0.0000	OK
30 minute winter	S2	19	54.103	0.116	7.2	0.0636	0.0000	SURCHARGED
30 minute winter	S3	19	53.924	0.046	7.9	0.0131	0.0000	OK
30 minute winter	S4	29	54.985	0.285	1.5	0.1034	0.0000	SURCHARGED
30 minute winter	S5	29	54.985	0.388	2.8	0.1377	0.0000	SURCHARGED
30 minute winter	S6	26	54.939	0.389	1.1	0.1334	0.0000	SURCHARGED
30 minute winter	S7	28	54.938	0.476	2.0	0.1625	0.0000	SURCHARGED
30 minute winter	S8	26	54.815	0.265	1.7	0.0910	0.0000	SURCHARGED
30 minute winter	S9	26	54.815	0.515	2.0	0.1704	0.0000	SURCHARGED
30 minute winter	S10	29	54.843	0.443	1.5	0.1608	0.0000	SURCHARGED
30 minute winter	S11	29	54.843	0.547	2.9	0.1941	0.0000	SURCHARGED
30 minute winter	SA1	25	53.220	0.220	39.0	14.5537	0.0000	OK
30 minute winter	FC1	30	54.984	0.481	4.0	1.4485	0.0000	SURCHARGED
30 minute winter	FC2	27	54.814	0.580	3.2	0.7157	0.0000	SURCHARGED
30 minute winter	FC3	30	54.842	0.608	4.5	1.3792	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
30 minute winter	S1	1.003	J1	0.7	0.494	0.062	0.0360
30 minute winter	S2	1.005	J2	7.2	0.919	1.202	0.0324
30 minute winter	S3	1.007	J3	7.9	1.797	0.164	0.0064
30 minute winter	S4	1.000	S5	1.3	0.304	0.220	0.0881
30 minute winter	S5	1.001	FC1	2.5	0.319	0.424	0.0771
30 minute winter	S6	4.000	S7	1.0	0.273	0.162	0.0720
30 minute winter	S7	4.001	FC4	2.0	0.249	0.331	0.0541
30 minute winter	S8	2.000	S9	1.0	0.332	0.089	0.0629
30 minute winter	S9	2.001	FC2	1.9	0.237	0.314	0.0539
30 minute winter	S10	3.000	S11	1.4	0.294	0.220	0.0726
30 minute winter	S11	3.001	FC3	2.6	0.329	0.514	0.0700
30 minute winter	SA1	Infiltration		14.6			
30 minute winter	FC1	1.002	S1	0.7	0.592	0.115	0.0095
30 minute winter	FC2	Orifice	J1	0.8			
30 minute winter	FC3	Orifice	J2	0.8			

Results for 100 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	FC4	27	54.938	0.542	3.3	0.7075	0.0000	SURCHARGED
30 minute winter	J1	19	54.106	0.065	1.4	0.0000	0.0000	OK
30 minute winter	J2	19	53.977	0.082	7.9	0.0000	0.0000	OK
30 minute winter	J3	19	53.816	0.043	8.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
30 minute winter	FC4	Orifice	J3	0.7			
30 minute winter	J1	1.004	S2	1.8	0.602	0.305	0.0372
30 minute winter	J2	1.006	S3	7.9	1.105	0.580	0.0207
30 minute winter	J3	1.008	SA1	8.6	1.995	0.180	0.1184

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

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute summer	S1	46	54.441	0.017	0.7	0.0048	0.0000	OK
60 minute summer	S2	33	54.078	0.091	6.2	0.0497	0.0000	OK
60 minute summer	S3	34	53.921	0.043	6.9	0.0121	0.0000	OK
60 minute summer	S4	46	54.971	0.271	1.2	0.0983	0.0000	SURCHARGED
60 minute summer	S5	44	54.971	0.374	2.3	0.1326	0.0000	SURCHARGED
60 minute summer	S6	44	54.927	0.377	0.9	0.1292	0.0000	SURCHARGED
60 minute summer	S7	44	54.926	0.464	1.4	0.1584	0.0000	SURCHARGED
60 minute summer	S8	42	54.802	0.252	0.9	0.0866	0.0000	SURCHARGED
60 minute summer	S9	42	54.802	0.502	1.5	0.1662	0.0000	SURCHARGED
60 minute summer	S10	44	54.829	0.429	1.2	0.1557	0.0000	SURCHARGED
60 minute summer	S11	44	54.829	0.533	2.4	0.1891	0.0000	SURCHARGED
60 minute summer	SA1	40	53.177	0.177	32.7	11.7025	0.0000	OK
60 minute summer	FC1	45	54.970	0.467	3.3	1.2573	0.0000	SURCHARGED
60 minute summer	FC2	43	54.802	0.568	2.1	0.5482	0.0000	SURCHARGED
60 minute summer	FC3	45	54.828	0.594	3.6	1.1685	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
60 minute summer	S1	1.003	J1	0.7	0.497	0.061	0.0198
60 minute summer	S2	1.005	J2	6.2	0.868	1.040	0.0307
60 minute summer	S3	1.007	J3	6.9	1.736	0.144	0.0058
60 minute summer	S4	1.000	S5	1.1	0.269	0.192	0.0881
60 minute summer	S5	1.001	FC1	2.1	0.262	0.348	0.0771
60 minute summer	S6	4.000	S7	0.7	0.223	0.111	0.0720
60 minute summer	S7	4.001	FC4	1.3	0.207	0.216	0.0541
60 minute summer	S8	2.000	S9	0.7	0.302	0.063	0.0629
60 minute summer	S9	2.001	FC2	1.2	0.220	0.208	0.0539
60 minute summer	S10	3.000	S11	1.2	0.243	0.186	0.0726
60 minute summer	S11	3.001	FC3	2.1	0.263	0.411	0.0700
60 minute summer	SA1	Infiltration		14.2			
60 minute summer	FC1	1.002	S1	0.7	0.589	0.114	0.0094
60 minute summer	FC2	Orifice	J1	0.8			
60 minute summer	FC3	Orifice	J2	0.8			

Results for 100 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	FC4	43	54.926	0.530	2.2	0.5444	0.0000	SURCHARGED
60 minute summer	J1	33	54.077	0.036	1.4	0.0000	0.0000	OK
60 minute summer	J2	34	53.970	0.075	6.9	0.0000	0.0000	OK
60 minute summer	J3	34	53.814	0.041	7.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
60 minute summer	FC4	Orifice	J3	0.7			
60 minute summer	J1	1.004	S2	1.4	0.594	0.242	0.0283
60 minute summer	J2	1.006	S3	6.9	1.075	0.509	0.0187
60 minute summer	J3	1.008	SA1	7.6	2.012	0.159	0.1154

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

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	S1	49	54.441	0.017	0.7	0.0048	0.0000	OK
60 minute winter	S2	33	54.065	0.078	5.3	0.0426	0.0000	OK
60 minute winter	S3	33	53.918	0.040	6.0	0.0112	0.0000	OK
60 minute winter	S4	47	54.989	0.289	1.0	0.1049	0.0000	SURCHARGED
60 minute winter	S5	47	54.988	0.391	1.9	0.1390	0.0000	SURCHARGED
60 minute winter	S6	47	54.939	0.389	0.8	0.1334	0.0000	SURCHARGED
60 minute winter	S7	47	54.939	0.477	1.5	0.1625	0.0000	SURCHARGED
60 minute winter	S8	45	54.814	0.264	0.8	0.0905	0.0000	SURCHARGED
60 minute winter	S9	45	54.814	0.514	1.5	0.1700	0.0000	SURCHARGED
60 minute winter	S10	47	54.847	0.447	1.0	0.1623	0.0000	SURCHARGED
60 minute winter	S11	47	54.847	0.551	2.1	0.1955	0.0000	SURCHARGED
60 minute winter	SA1	43	53.187	0.187	27.1	12.3681	0.0000	OK
60 minute winter	FC1	48	54.988	0.485	2.7	1.4948	0.0000	SURCHARGED
60 minute winter	FC2	46	54.813	0.579	2.3	0.7022	0.0000	SURCHARGED
60 minute winter	FC3	48	54.846	0.612	3.1	1.4370	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
60 minute winter	S1	1.003	J1	0.7	0.510	0.062	0.0190
60 minute winter	S2	1.005	J2	5.3	0.835	0.891	0.0274
60 minute winter	S3	1.007	J3	6.0	1.669	0.125	0.0053
60 minute winter	S4	1.000	S5	0.9	0.271	0.148	0.0881
60 minute winter	S5	1.001	FC1	1.7	0.218	0.289	0.0771
60 minute winter	S6	4.000	S7	0.8	0.223	0.140	0.0720
60 minute winter	S7	4.001	FC4	1.4	0.207	0.233	0.0541
60 minute winter	S8	2.000	S9	0.8	0.302	0.076	0.0629
60 minute winter	S9	2.001	FC2	1.4	0.220	0.241	0.0539
60 minute winter	S10	3.000	S11	1.1	0.264	0.165	0.0726
60 minute winter	S11	3.001	FC3	1.8	0.236	0.369	0.0700
60 minute winter	SA1	Infiltration		14.3			
60 minute winter	FC1	1.002	S1	0.7	0.593	0.116	0.0096
60 minute winter	FC2	Orifice	J1	0.8			
60 minute winter	FC3	Orifice	J2	0.8			

Results for 100 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	FC4	46	54.938	0.542	2.3	0.7079	0.0000	SURCHARGED
60 minute winter	J1	59	54.075	0.034	1.4	0.0000	0.0000	OK
60 minute winter	J2	33	53.965	0.070	6.0	0.0000	0.0000	OK
60 minute winter	J3	34	53.811	0.038	6.7	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
60 minute winter	FC4	Orifice	J3	0.7			
60 minute winter	J1	1.004	S2	1.4	0.601	0.245	0.0246
60 minute winter	J2	1.006	S3	6.0	1.041	0.443	0.0168
60 minute winter	J3	1.008	SA1	6.7	2.026	0.141	0.1144

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

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute summer	S1	80	54.441	0.017	0.7	0.0048	0.0000	OK
120 minute summer	S2	64	54.056	0.069	4.6	0.0379	0.0000	OK
120 minute summer	S3	64	53.915	0.037	5.3	0.0105	0.0000	OK
120 minute summer	S4	78	54.965	0.265	0.8	0.0963	0.0000	SURCHARGED
120 minute summer	S5	80	54.965	0.368	1.5	0.1307	0.0000	SURCHARGED
120 minute summer	S6	76	54.922	0.372	0.6	0.1275	0.0000	SURCHARGED
120 minute summer	S7	78	54.922	0.460	1.0	0.1567	0.0000	SURCHARGED
120 minute summer	S8	76	54.796	0.246	0.6	0.0844	0.0000	SURCHARGED
120 minute summer	S9	76	54.796	0.496	1.0	0.1642	0.0000	SURCHARGED
120 minute summer	S10	78	54.822	0.422	0.8	0.1531	0.0000	SURCHARGED
120 minute summer	S11	80	54.822	0.526	1.6	0.1866	0.0000	SURCHARGED
120 minute summer	SA1	72	53.131	0.131	22.8	8.6978	0.0000	OK
120 minute summer	FC1	80	54.965	0.462	2.2	1.1873	0.0000	SURCHARGED
120 minute summer	FC2	78	54.796	0.562	1.7	0.4702	0.0000	SURCHARGED
120 minute summer	FC3	80	54.821	0.587	2.6	1.0671	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
120 minute summer	S1	1.003	J1	0.7	0.498	0.061	0.0187
120 minute summer	S2	1.005	J2	4.6	0.816	0.771	0.0243
120 minute summer	S3	1.007	J3	5.3	1.611	0.110	0.0048
120 minute summer	S4	1.000	S5	0.7	0.260	0.119	0.0881
120 minute summer	S5	1.001	FC1	1.4	0.198	0.233	0.0771
120 minute summer	S6	4.000	S7	0.5	0.223	0.082	0.0720
120 minute summer	S7	4.001	FC4	1.0	0.164	0.167	0.0541
120 minute summer	S8	2.000	S9	0.5	0.277	0.045	0.0629
120 minute summer	S9	2.001	FC2	1.0	0.172	0.166	0.0539
120 minute summer	S10	3.000	S11	0.8	0.221	0.120	0.0726
120 minute summer	S11	3.001	FC3	1.6	0.202	0.316	0.0700
120 minute summer	SA1	Infiltration		13.8			
120 minute summer	FC1	1.002	S1	0.7	0.589	0.113	0.0094
120 minute summer	FC2	Orifice	J1	0.7			
120 minute summer	FC3	Orifice	J2	0.8			

Results for 100 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	FC4	78	54.921	0.525	1.7	0.4800	0.0000	SURCHARGED
120 minute summer	J1	88	54.075	0.034	1.4	0.0000	0.0000	OK
120 minute summer	J2	64	53.960	0.065	5.3	0.0000	0.0000	OK
120 minute summer	J3	64	53.809	0.036	6.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
120 minute summer	FC4	Orifice	J3	0.7			
120 minute summer	J1	1.004	S2	1.4	0.569	0.240	0.0224
120 minute summer	J2	1.006	S3	5.3	1.011	0.390	0.0153
120 minute summer	J3	1.008	SA1	6.0	1.960	0.125	0.1040

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

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute winter	S1	88	54.441	0.017	0.7	0.0048	0.0000	OK
120 minute winter	S2	64	54.049	0.062	3.9	0.0338	0.0000	OK
120 minute winter	S3	64	53.912	0.034	4.6	0.0097	0.0000	OK
120 minute winter	S4	86	54.978	0.278	0.6	0.1009	0.0000	SURCHARGED
120 minute winter	S5	88	54.978	0.381	1.1	0.1352	0.0000	SURCHARGED
120 minute winter	S6	82	54.924	0.374	0.5	0.1284	0.0000	SURCHARGED
120 minute winter	S7	82	54.924	0.462	0.8	0.1576	0.0000	SURCHARGED
120 minute winter	S8	82	54.798	0.248	0.5	0.0850	0.0000	SURCHARGED
120 minute winter	S9	82	54.798	0.498	0.8	0.1647	0.0000	SURCHARGED
120 minute winter	S10	86	54.837	0.437	0.6	0.1586	0.0000	SURCHARGED
120 minute winter	S11	86	54.837	0.541	1.2	0.1919	0.0000	SURCHARGED
120 minute winter	SA1	76	53.115	0.115	18.2	7.6260	0.0000	OK
120 minute winter	FC1	88	54.977	0.474	1.7	1.3567	0.0000	SURCHARGED
120 minute winter	FC2	82	54.797	0.563	1.3	0.4932	0.0000	SURCHARGED
120 minute winter	FC3	88	54.836	0.602	2.0	1.2875	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
120 minute winter	S1	1.003	J1	0.7	0.516	0.062	0.0189
120 minute winter	S2	1.005	J2	3.9	0.790	0.656	0.0214
120 minute winter	S3	1.007	J3	4.6	1.547	0.096	0.0044
120 minute winter	S4	1.000	S5	0.5	0.260	0.091	0.0881
120 minute winter	S5	1.001	FC1	1.1	0.199	0.179	0.0771
120 minute winter	S6	4.000	S7	0.4	0.222	0.063	0.0720
120 minute winter	S7	4.001	FC4	0.8	0.196	0.127	0.0541
120 minute winter	S8	2.000	S9	0.4	0.272	0.037	0.0629
120 minute winter	S9	2.001	FC2	0.7	0.202	0.124	0.0539
120 minute winter	S10	3.000	S11	0.6	0.222	0.091	0.0726
120 minute winter	S11	3.001	FC3	1.2	0.160	0.236	0.0700
120 minute winter	SA1	Infiltration		13.6			
120 minute winter	FC1	1.002	S1	0.7	0.591	0.114	0.0095
120 minute winter	FC2	Orifice	J1	0.8			
120 minute winter	FC3	Orifice	J2	0.8			

Results for 100 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	FC4	82	54.924	0.528	1.4	0.5167	0.0000	SURCHARGED
120 minute winter	J1	96	54.075	0.034	1.4	0.0000	0.0000	OK
120 minute winter	J2	64	53.955	0.060	4.6	0.0000	0.0000	OK
120 minute winter	J3	64	53.807	0.034	5.3	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
120 minute winter	FC4	Orifice	J3	0.7			
120 minute winter	J1	1.004	S2	1.4	0.577	0.242	0.0204
120 minute winter	J2	1.006	S3	4.6	0.978	0.341	0.0138
120 minute winter	J3	1.008	SA1	5.3	1.991	0.111	0.0937

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

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute summer	S1	116	54.441	0.017	0.7	0.0047	0.0000	OK
180 minute summer	S2	96	54.047	0.060	3.8	0.0331	0.0000	OK
180 minute summer	S3	96	53.912	0.034	4.5	0.0096	0.0000	OK
180 minute summer	S4	116	54.948	0.248	0.6	0.0901	0.0000	SURCHARGED
180 minute summer	S5	116	54.948	0.351	1.1	0.1247	0.0000	SURCHARGED
180 minute summer	S6	112	54.908	0.358	0.5	0.1229	0.0000	SURCHARGED
180 minute summer	S7	112	54.908	0.446	0.7	0.1521	0.0000	SURCHARGED
180 minute summer	S8	112	54.781	0.231	0.5	0.0794	0.0000	SURCHARGED
180 minute summer	S9	112	54.781	0.481	0.8	0.1593	0.0000	SURCHARGED
180 minute summer	S10	112	54.807	0.407	0.6	0.1477	0.0000	SURCHARGED
180 minute summer	S11	116	54.807	0.511	1.3	0.1813	0.0000	SURCHARGED
180 minute summer	SA1	104	53.091	0.091	17.7	6.0303	0.0000	OK
180 minute summer	FC1	116	54.948	0.445	1.6	0.9557	0.0000	SURCHARGED
180 minute summer	FC2	112	54.781	0.547	1.0	0.2804	0.0000	SURCHARGED
180 minute summer	FC3	116	54.806	0.572	2.1	0.8410	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
180 minute summer	S1	1.003	J1	0.7	0.505	0.060	0.0184
180 minute summer	S2	1.005	J2	3.8	0.784	0.635	0.0208
180 minute summer	S3	1.007	J3	4.5	1.535	0.094	0.0043
180 minute summer	S4	1.000	S5	0.5	0.218	0.091	0.0881
180 minute summer	S5	1.001	FC1	1.0	0.197	0.178	0.0771
180 minute summer	S6	4.000	S7	0.3	0.219	0.048	0.0720
180 minute summer	S7	4.001	FC4	0.6	0.107	0.095	0.0541
180 minute summer	S8	2.000	S9	0.4	0.278	0.036	0.0629
180 minute summer	S9	2.001	FC2	0.6	0.114	0.100	0.0539
180 minute summer	S10	3.000	S11	0.7	0.214	0.103	0.0726
180 minute summer	S11	3.001	FC3	1.3	0.186	0.254	0.0700
180 minute summer	SA1	Infiltration		13.4			
180 minute summer	FC1	1.002	S1	0.7	0.585	0.111	0.0093
180 minute summer	FC2	Orifice	J1	0.7			
180 minute summer	FC3	Orifice	J2	0.8			

Results for 100 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	FC4	112	54.908	0.512	1.0	0.2989	0.0000	SURCHARGED
180 minute summer	J1	124	54.074	0.033	1.4	0.0000	0.0000	OK
180 minute summer	J2	96	53.954	0.059	4.5	0.0000	0.0000	OK
180 minute summer	J3	96	53.806	0.033	5.1	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
180 minute summer	FC4	Orifice	J3	0.7			
180 minute summer	J1	1.004	S2	1.4	0.535	0.236	0.0200
180 minute summer	J2	1.006	S3	4.5	0.972	0.331	0.0135
180 minute summer	J3	1.008	SA1	5.1	1.782	0.108	0.0753

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

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute winter	S1	124	54.441	0.017	0.7	0.0048	0.0000	OK
180 minute winter	S2	96	54.041	0.054	3.2	0.0297	0.0000	OK
180 minute winter	S3	96	53.909	0.031	3.9	0.0089	0.0000	OK
180 minute winter	S4	124	54.967	0.267	0.5	0.0971	0.0000	SURCHARGED
180 minute winter	S5	124	54.967	0.370	0.9	0.1315	0.0000	SURCHARGED
180 minute winter	S6	116	54.909	0.359	0.4	0.1230	0.0000	SURCHARGED
180 minute winter	S7	116	54.909	0.447	0.6	0.1523	0.0000	SURCHARGED
180 minute winter	S8	116	54.781	0.231	0.4	0.0791	0.0000	SURCHARGED
180 minute winter	S9	116	54.781	0.481	0.6	0.1591	0.0000	SURCHARGED
180 minute winter	S10	120	54.819	0.419	0.5	0.1522	0.0000	SURCHARGED
180 minute winter	S11	120	54.819	0.523	0.9	0.1857	0.0000	SURCHARGED
180 minute winter	SA1	104	53.061	0.061	14.3	4.0163	0.0000	OK
180 minute winter	FC1	124	54.967	0.464	1.4	1.2137	0.0000	SURCHARGED
180 minute winter	FC2	116	54.780	0.546	1.0	0.2711	0.0000	SURCHARGED
180 minute winter	FC3	124	54.819	0.585	1.5	1.0263	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
180 minute winter	S1	1.003	J1	0.7	0.521	0.061	0.0185
180 minute winter	S2	1.005	J2	3.2	0.754	0.536	0.0183
180 minute winter	S3	1.007	J3	3.9	1.472	0.082	0.0039
180 minute winter	S4	1.000	S5	0.4	0.220	0.077	0.0881
180 minute winter	S5	1.001	FC1	0.9	0.197	0.152	0.0771
180 minute winter	S6	4.000	S7	0.3	0.219	0.053	0.0720
180 minute winter	S7	4.001	FC4	0.6	0.119	0.096	0.0541
180 minute winter	S8	2.000	S9	0.3	0.276	0.028	0.0629
180 minute winter	S9	2.001	FC2	0.6	0.133	0.096	0.0539
180 minute winter	S10	3.000	S11	0.5	0.214	0.070	0.0726
180 minute winter	S11	3.001	FC3	0.9	0.186	0.180	0.0700
180 minute winter	SA1	Infiltration		13.1			
180 minute winter	FC1	1.002	S1	0.7	0.589	0.113	0.0094
180 minute winter	FC2	Orifice	J1	0.7			
180 minute winter	FC3	Orifice	J2	0.8			

Results for 100 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	FC4	116	54.908	0.512	1.0	0.3040	0.0000	SURCHARGED
180 minute winter	J1	132	54.075	0.034	1.4	0.0000	0.0000	OK
180 minute winter	J2	96	53.950	0.055	3.9	0.0000	0.0000	OK
180 minute winter	J3	100	53.804	0.031	4.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
180 minute winter	FC4	Orifice	J3	0.7			
180 minute winter	J1	1.004	S2	1.4	0.545	0.239	0.0183
180 minute winter	J2	1.006	S3	3.9	0.939	0.288	0.0122
180 minute winter	J3	1.008	SA1	4.6	1.887	0.096	0.0506

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

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute summer	S1	148	54.441	0.017	0.6	0.0047	0.0000	OK
240 minute summer	S2	124	54.043	0.056	3.3	0.0304	0.0000	OK
240 minute summer	S3	128	53.910	0.032	4.0	0.0090	0.0000	OK
240 minute summer	S4	148	54.938	0.238	0.5	0.0865	0.0000	SURCHARGED
240 minute summer	S5	148	54.938	0.341	0.9	0.1211	0.0000	SURCHARGED
240 minute summer	S6	144	54.877	0.327	0.4	0.1121	0.0000	SURCHARGED
240 minute summer	S7	144	54.877	0.415	0.6	0.1414	0.0000	SURCHARGED
240 minute summer	S8	140	54.742	0.192	0.5	0.0657	0.0000	SURCHARGED
240 minute summer	S9	140	54.742	0.442	0.6	0.1462	0.0000	SURCHARGED
240 minute summer	S10	144	54.796	0.396	0.5	0.1438	0.0000	SURCHARGED
240 minute summer	S11	148	54.796	0.500	1.0	0.1776	0.0000	SURCHARGED
240 minute summer	SA1	132	53.064	0.064	15.3	4.2104	0.0000	OK
240 minute summer	FC1	148	54.938	0.435	1.4	0.8201	0.0000	SURCHARGED
240 minute summer	FC2	140	54.741	0.507	0.9	0.1831	0.0000	SURCHARGED
240 minute summer	FC3	148	54.796	0.562	1.5	0.6803	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
240 minute summer	S1	1.003	J1	0.6	0.520	0.059	0.0180
240 minute summer	S2	1.005	J2	3.3	0.761	0.556	0.0188
240 minute summer	S3	1.007	J3	4.0	1.486	0.083	0.0039
240 minute summer	S4	1.000	S5	0.4	0.218	0.077	0.0881
240 minute summer	S5	1.001	FC1	0.9	0.197	0.150	0.0771
240 minute summer	S6	4.000	S7	0.2	0.219	0.039	0.0720
240 minute summer	S7	4.001	FC4	0.5	0.107	0.078	0.0541
240 minute summer	S8	2.000	S9	0.3	0.278	0.028	0.0629
240 minute summer	S9	2.001	FC2	0.5	0.114	0.080	0.0539
240 minute summer	S10	3.000	S11	0.5	0.218	0.074	0.0726
240 minute summer	S11	3.001	FC3	0.9	0.118	0.184	0.0700
240 minute summer	SA1	Infiltration		13.1			
240 minute summer	FC1	1.002	S1	0.6	0.583	0.109	0.0092
240 minute summer	FC2	Orifice	J1	0.7			
240 minute summer	FC3	Orifice	J2	0.7			

Results for 100 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	FC4	144	54.876	0.480	0.9	0.1782	0.0000	SURCHARGED
240 minute summer	J1	156	54.074	0.033	1.4	0.0000	0.0000	OK
240 minute summer	J2	128	53.951	0.056	4.0	0.0000	0.0000	OK
240 minute summer	J3	128	53.805	0.032	4.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
240 minute summer	FC4	Orifice	J3	0.7			
240 minute summer	J1	1.004	S2	1.4	0.531	0.230	0.0185
240 minute summer	J2	1.006	S3	4.0	0.944	0.294	0.0124
240 minute summer	J3	1.008	SA1	4.6	1.767	0.097	0.0528

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

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute winter	S1	156	54.441	0.017	0.7	0.0047	0.0000	OK
240 minute winter	S2	124	54.038	0.051	2.8	0.0276	0.0000	OK
240 minute winter	S3	124	53.908	0.030	3.5	0.0084	0.0000	OK
240 minute winter	S4	156	54.945	0.245	0.4	0.0888	0.0000	SURCHARGED
240 minute winter	S5	156	54.945	0.348	0.8	0.1234	0.0000	SURCHARGED
240 minute winter	S6	152	54.881	0.331	0.3	0.1135	0.0000	SURCHARGED
240 minute winter	S7	152	54.881	0.419	0.5	0.1428	0.0000	SURCHARGED
240 minute winter	S8	144	54.740	0.190	0.3	0.0650	0.0000	SURCHARGED
240 minute winter	S9	144	54.739	0.439	0.6	0.1454	0.0000	SURCHARGED
240 minute winter	S10	152	54.800	0.400	0.4	0.1453	0.0000	SURCHARGED
240 minute winter	S11	156	54.800	0.504	0.8	0.1789	0.0000	SURCHARGED
240 minute winter	SA1	128	53.046	0.046	12.0	3.0175	0.0000	OK
240 minute winter	FC1	156	54.944	0.441	1.1	0.9065	0.0000	SURCHARGED
240 minute winter	FC2	144	54.739	0.505	0.8	0.1823	0.0000	SURCHARGED
240 minute winter	FC3	156	54.800	0.566	1.2	0.7393	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
240 minute winter	S1	1.003	J1	0.7	0.497	0.059	0.0180
240 minute winter	S2	1.005	J2	2.8	0.733	0.476	0.0167
240 minute winter	S3	1.007	J3	3.5	1.430	0.074	0.0036
240 minute winter	S4	1.000	S5	0.4	0.218	0.063	0.0881
240 minute winter	S5	1.001	FC1	0.7	0.197	0.123	0.0771
240 minute winter	S6	4.000	S7	0.2	0.219	0.039	0.0720
240 minute winter	S7	4.001	FC4	0.5	0.107	0.078	0.0541
240 minute winter	S8	2.000	S9	0.3	0.278	0.028	0.0629
240 minute winter	S9	2.001	FC2	0.5	0.115	0.080	0.0539
240 minute winter	S10	3.000	S11	0.4	0.214	0.058	0.0726
240 minute winter	S11	3.001	FC3	0.7	0.186	0.149	0.0700
240 minute winter	SA1	Infiltration		11.9			
240 minute winter	FC1	1.002	S1	0.7	0.585	0.110	0.0092
240 minute winter	FC2	Orifice	J1	0.7			
240 minute winter	FC3	Orifice	J2	0.8			

Results for 100 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	FC4	152	54.880	0.484	0.8	0.1797	0.0000	SURCHARGED
240 minute winter	J1	164	54.074	0.033	1.4	0.0000	0.0000	OK
240 minute winter	J2	124	53.947	0.052	3.5	0.0000	0.0000	OK
240 minute winter	J3	132	53.803	0.030	4.2	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
240 minute winter	FC4	Orifice	J3	0.7			
240 minute winter	J1	1.004	S2	1.4	0.527	0.230	0.0171
240 minute winter	J2	1.006	S3	3.5	0.915	0.260	0.0113
240 minute winter	J3	1.008	SA1	4.2	1.762	0.088	0.0381

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

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute summer	S1	208	54.440	0.016	0.6	0.0046	0.0000	OK
360 minute summer	S2	184	54.036	0.049	2.7	0.0270	0.0000	OK
360 minute summer	S3	184	53.907	0.029	3.3	0.0081	0.0000	OK
360 minute summer	S4	208	54.902	0.202	0.4	0.0734	0.0000	SURCHARGED
360 minute summer	S5	208	54.902	0.305	0.6	0.1083	0.0000	SURCHARGED
360 minute summer	S6	208	54.785	0.235	0.3	0.0807	0.0000	SURCHARGED
360 minute summer	S7	208	54.785	0.323	0.5	0.1102	0.0000	SURCHARGED
360 minute summer	S8	208	54.646	0.096	0.3	0.0330	0.0000	OK
360 minute summer	S9	208	54.646	0.346	0.6	0.1146	0.0000	SURCHARGED
360 minute summer	S10	208	54.767	0.367	0.4	0.1332	0.0000	SURCHARGED
360 minute summer	S11	208	54.767	0.471	0.6	0.1672	0.0000	SURCHARGED
360 minute summer	SA1	192	53.043	0.043	11.9	2.8450	0.0000	OK
360 minute summer	FC1	208	54.902	0.399	0.9	0.3329	0.0000	SURCHARGED
360 minute summer	FC2	208	54.646	0.412	0.7	0.1486	0.0000	SURCHARGED
360 minute summer	FC3	208	54.766	0.532	0.9	0.2371	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
360 minute summer	S1	1.003	J1	0.6	0.479	0.056	0.0170
360 minute summer	S2	1.005	J2	2.7	0.726	0.459	0.0163
360 minute summer	S3	1.007	J3	3.3	1.413	0.070	0.0034
360 minute summer	S4	1.000	S5	0.3	0.218	0.049	0.0881
360 minute summer	S5	1.001	FC1	0.6	0.161	0.096	0.0771
360 minute summer	S6	4.000	S7	0.2	0.219	0.035	0.0720
360 minute summer	S7	4.001	FC4	0.4	0.120	0.070	0.0541
360 minute summer	S8	2.000	S9	0.3	0.257	0.028	0.0625
360 minute summer	S9	2.001	FC2	0.4	0.120	0.072	0.0539
360 minute summer	S10	3.000	S11	0.3	0.210	0.042	0.0726
360 minute summer	S11	3.001	FC3	0.5	0.119	0.102	0.0700
360 minute summer	SA1	Infiltration		11.2			
360 minute summer	FC1	1.002	S1	0.6	0.576	0.105	0.0089
360 minute summer	FC2	Orifice	J1	0.6			
360 minute summer	FC3	Orifice	J2	0.7			

Results for 100 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	FC4	208	54.785	0.389	0.7	0.1442	0.0000	SURCHARGED
360 minute summer	J1	208	54.072	0.031	1.3	0.0000	0.0000	OK
360 minute summer	J2	184	53.945	0.050	3.4	0.0000	0.0000	OK
360 minute summer	J3	192	53.802	0.029	3.9	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
360 minute summer	FC4	Orifice	J3	0.6			
360 minute summer	J1	1.004	S2	1.3	0.502	0.213	0.0164
360 minute summer	J2	1.006	S3	3.3	0.902	0.246	0.0109
360 minute summer	J3	1.008	SA1	3.9	1.701	0.082	0.0356

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

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute winter	S1	208	54.440	0.016	0.6	0.0046	0.0000	OK
360 minute winter	S2	184	54.032	0.045	2.3	0.0246	0.0000	OK
360 minute winter	S3	200	53.905	0.027	3.0	0.0077	0.0000	OK
360 minute winter	S4	208	54.900	0.200	0.3	0.0727	0.0000	SURCHARGED
360 minute winter	S5	208	54.900	0.303	0.6	0.1076	0.0000	SURCHARGED
360 minute winter	S6	216	54.733	0.183	0.2	0.0629	0.0000	SURCHARGED
360 minute winter	S7	216	54.733	0.271	0.4	0.0925	0.0000	SURCHARGED
360 minute winter	S8	216	54.592	0.042	0.2	0.0145	0.0000	OK
360 minute winter	S9	216	54.592	0.292	0.4	0.0967	0.0000	SURCHARGED
360 minute winter	S10	208	54.753	0.353	0.3	0.1282	0.0000	SURCHARGED
360 minute winter	S11	208	54.753	0.457	0.5	0.1622	0.0000	SURCHARGED
360 minute winter	SA1	192	53.036	0.036	9.4	2.3533	0.0000	OK
360 minute winter	FC1	208	54.900	0.397	0.9	0.3058	0.0000	SURCHARGED
360 minute winter	FC2	216	54.592	0.358	0.6	0.1292	0.0000	SURCHARGED
360 minute winter	FC3	208	54.752	0.518	0.8	0.2022	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
360 minute winter	S1	1.003	J1	0.6	0.470	0.056	0.0167
360 minute winter	S2	1.005	J2	2.3	0.698	0.391	0.0144
360 minute winter	S3	1.007	J3	3.0	1.363	0.063	0.0032
360 minute winter	S4	1.000	S5	0.3	0.218	0.049	0.0881
360 minute winter	S5	1.001	FC1	0.6	0.161	0.096	0.0771
360 minute winter	S6	4.000	S7	0.2	0.219	0.033	0.0720
360 minute winter	S7	4.001	FC4	0.4	0.120	0.065	0.0541
360 minute winter	S8	2.000	S9	0.2	0.257	0.019	0.0441
360 minute winter	S9	2.001	FC2	0.4	0.120	0.067	0.0539
360 minute winter	S10	3.000	S11	0.2	0.210	0.037	0.0726
360 minute winter	S11	3.001	FC3	0.5	0.119	0.094	0.0700
360 minute winter	SA1	Infiltration		9.2			
360 minute winter	FC1	1.002	S1	0.6	0.575	0.104	0.0089
360 minute winter	FC2	Orifice	J1	0.6			
360 minute winter	FC3	Orifice	J2	0.7			

Results for 100 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	FC4	216	54.733	0.337	0.6	0.1250	0.0000	SURCHARGED
360 minute winter	J1	216	54.072	0.031	1.2	0.0000	0.0000	OK
360 minute winter	J2	200	53.943	0.048	3.0	0.0000	0.0000	OK
360 minute winter	J3	200	53.801	0.028	3.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
360 minute winter	FC4	Orifice	J3	0.6			
360 minute winter	J1	1.004	S2	1.2	0.488	0.205	0.0153
360 minute winter	J2	1.006	S3	3.0	0.877	0.221	0.0100
360 minute winter	J3	1.008	SA1	3.6	1.673	0.075	0.0293

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

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute summer	S1	264	54.440	0.016	0.6	0.0045	0.0000	OK
480 minute summer	S2	248	54.032	0.045	2.3	0.0244	0.0000	OK
480 minute summer	S3	256	53.905	0.027	2.9	0.0076	0.0000	OK
480 minute summer	S4	264	54.889	0.189	0.3	0.0685	0.0000	SURCHARGED
480 minute summer	S5	264	54.889	0.292	0.6	0.1035	0.0000	SURCHARGED
480 minute summer	S6	264	54.694	0.144	0.2	0.0493	0.0000	SURCHARGED
480 minute summer	S7	264	54.694	0.232	0.4	0.0790	0.0000	SURCHARGED
480 minute summer	S8	264	54.567	0.017	0.2	0.0058	0.0000	OK
480 minute summer	S9	264	54.567	0.267	0.4	0.0883	0.0000	SURCHARGED
480 minute summer	S10	264	54.687	0.287	0.3	0.1043	0.0000	SURCHARGED
480 minute summer	S11	264	54.687	0.391	0.5	0.1388	0.0000	SURCHARGED
480 minute summer	SA1	248	53.036	0.036	9.6	2.3963	0.0000	OK
480 minute summer	FC1	264	54.888	0.385	0.9	0.1483	0.0000	SURCHARGED
480 minute summer	FC2	264	54.567	0.333	0.6	0.1200	0.0000	SURCHARGED
480 minute summer	FC3	264	54.687	0.453	0.7	0.1765	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
480 minute summer	S1	1.003	J1	0.6	0.469	0.055	0.0164
480 minute summer	S2	1.005	J2	2.3	0.695	0.386	0.0143
480 minute summer	S3	1.007	J3	2.9	1.357	0.061	0.0031
480 minute summer	S4	1.000	S5	0.3	0.218	0.048	0.0881
480 minute summer	S5	1.001	FC1	0.6	0.161	0.094	0.0771
480 minute summer	S6	4.000	S7	0.2	0.219	0.032	0.0720
480 minute summer	S7	4.001	FC4	0.4	0.120	0.061	0.0541
480 minute summer	S8	2.000	S9	0.2	0.257	0.019	0.0350
480 minute summer	S9	2.001	FC2	0.4	0.120	0.065	0.0539
480 minute summer	S10	3.000	S11	0.2	0.210	0.035	0.0726
480 minute summer	S11	3.001	FC3	0.4	0.119	0.089	0.0700
480 minute summer	SA1	Infiltration		9.4			
480 minute summer	FC1	1.002	S1	0.6	0.572	0.103	0.0088
480 minute summer	FC2	Orifice	J1	0.6			
480 minute summer	FC3	Orifice	J2	0.7			

Results for 100 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	FC4	264	54.693	0.297	0.6	0.1103	0.0000	SURCHARGED
480 minute summer	J1	264	54.071	0.030	1.2	0.0000	0.0000	OK
480 minute summer	J2	256	53.942	0.047	2.9	0.0000	0.0000	OK
480 minute summer	J3	256	53.800	0.027	3.4	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
480 minute summer	FC4	Orifice	J3	0.5			
480 minute summer	J1	1.004	S2	1.2	0.480	0.200	0.0150
480 minute summer	J2	1.006	S3	2.9	0.870	0.215	0.0098
480 minute summer	J3	1.008	SA1	3.4	1.668	0.072	0.0295

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

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute winter	S1	296	54.439	0.015	0.6	0.0044	0.0000	OK
480 minute winter	S2	264	54.028	0.041	2.0	0.0224	0.0000	OK
480 minute winter	S3	264	53.903	0.025	2.6	0.0071	0.0000	OK
480 minute winter	S4	296	54.837	0.137	0.2	0.0499	0.0000	SURCHARGED
480 minute winter	S5	296	54.837	0.240	0.4	0.0853	0.0000	SURCHARGED
480 minute winter	S6	272	54.681	0.131	0.2	0.0449	0.0000	SURCHARGED
480 minute winter	S7	272	54.681	0.219	0.4	0.0746	0.0000	SURCHARGED
480 minute winter	S8	224	54.560	0.010	0.2	0.0033	0.0000	OK
480 minute winter	S9	272	54.547	0.247	0.4	0.0817	0.0000	SURCHARGED
480 minute winter	S10	280	54.623	0.223	0.2	0.0808	0.0000	SURCHARGED
480 minute winter	S11	280	54.623	0.327	0.4	0.1159	0.0000	SURCHARGED
480 minute winter	SA1	256	53.029	0.029	7.6	1.9221	0.0000	OK
480 minute winter	FC1	296	54.837	0.334	0.6	0.0287	0.0000	SURCHARGED
480 minute winter	FC2	272	54.546	0.312	0.6	0.1128	0.0000	SURCHARGED
480 minute winter	FC3	280	54.622	0.388	0.6	0.1513	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
480 minute winter	S1	1.003	J1	0.6	0.442	0.051	0.0155
480 minute winter	S2	1.005	J2	2.0	0.669	0.333	0.0128
480 minute winter	S3	1.007	J3	2.6	1.303	0.054	0.0029
480 minute winter	S4	1.000	S5	0.2	0.218	0.035	0.0881
480 minute winter	S5	1.001	FC1	0.4	0.161	0.064	0.0771
480 minute winter	S6	4.000	S7	0.2	0.219	0.032	0.0720
480 minute winter	S7	4.001	FC4	0.4	0.120	0.060	0.0541
480 minute winter	S8	2.000	S9	0.2	0.257	0.019	0.0330
480 minute winter	S9	2.001	FC2	0.4	0.120	0.064	0.0539
480 minute winter	S10	3.000	S11	0.2	0.210	0.032	0.0726
480 minute winter	S11	3.001	FC3	0.4	0.119	0.083	0.0700
480 minute winter	SA1	Infiltration		7.6			
480 minute winter	FC1	1.002	S1	0.6	0.560	0.095	0.0083
480 minute winter	FC2	Orifice	J1	0.6			
480 minute winter	FC3	Orifice	J2	0.6			

Results for 100 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	FC4	272	54.681	0.285	0.6	0.1056	0.0000	SURCHARGED
480 minute winter	J1	280	54.070	0.029	1.1	0.0000	0.0000	OK
480 minute winter	J2	264	53.939	0.044	2.6	0.0000	0.0000	OK
480 minute winter	J3	264	53.799	0.026	3.1	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
480 minute winter	FC4	Orifice	J3	0.5			
480 minute winter	J1	1.004	S2	1.1	0.471	0.186	0.0138
480 minute winter	J2	1.006	S3	2.6	0.843	0.190	0.0090
480 minute winter	J3	1.008	SA1	3.1	1.618	0.065	0.0239

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

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute summer	S1	345	54.439	0.015	0.5	0.0043	0.0000	OK
600 minute summer	S2	315	54.028	0.041	2.0	0.0224	0.0000	OK
600 minute summer	S3	315	53.903	0.025	2.5	0.0070	0.0000	OK
600 minute summer	S4	345	54.814	0.114	0.2	0.0414	0.0000	SURCHARGED
600 minute summer	S5	345	54.814	0.217	0.4	0.0770	0.0000	SURCHARGED
600 minute summer	S6	330	54.618	0.068	0.2	0.0232	0.0000	OK
600 minute summer	S7	330	54.618	0.156	0.3	0.0531	0.0000	SURCHARGED
600 minute summer	S8	315	54.560	0.010	0.2	0.0033	0.0000	OK
600 minute summer	S9	330	54.476	0.176	0.4	0.0582	0.0000	SURCHARGED
600 minute summer	S10	345	54.573	0.173	0.2	0.0628	0.0000	SURCHARGED
600 minute summer	S11	345	54.573	0.277	0.4	0.0983	0.0000	SURCHARGED
600 minute summer	SA1	315	53.030	0.030	8.0	2.0125	0.0000	OK
600 minute summer	FC1	345	54.814	0.310	0.6	0.0267	0.0000	SURCHARGED
600 minute summer	FC2	330	54.476	0.242	0.5	0.0873	0.0000	SURCHARGED
600 minute summer	FC3	345	54.572	0.338	0.6	0.1320	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
600 minute summer	S1	1.003	J1	0.5	0.445	0.049	0.0147
600 minute summer	S2	1.005	J2	2.0	0.669	0.332	0.0128
600 minute summer	S3	1.007	J3	2.5	1.303	0.052	0.0028
600 minute summer	S4	1.000	S5	0.2	0.218	0.035	0.0881
600 minute summer	S5	1.001	FC1	0.4	0.112	0.061	0.0771
600 minute summer	S6	4.000	S7	0.1	0.216	0.025	0.0619
600 minute summer	S7	4.001	FC4	0.3	0.091	0.050	0.0541
600 minute summer	S8	2.000	S9	0.2	0.256	0.019	0.0330
600 minute summer	S9	2.001	FC2	0.3	0.090	0.057	0.0539
600 minute summer	S10	3.000	S11	0.2	0.208	0.031	0.0726
600 minute summer	S11	3.001	FC3	0.4	0.092	0.077	0.0700
600 minute summer	SA1	Infiltration		7.9			
600 minute summer	FC1	1.002	S1	0.5	0.554	0.092	0.0081
600 minute summer	FC2	Orifice	J1	0.5			
600 minute summer	FC3	Orifice	J2	0.6			

Results for 100 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	FC4	330	54.617	0.221	0.5	0.0822	0.0000	SURCHARGED
600 minute summer	J1	330	54.069	0.028	1.0	0.0000	0.0000	OK
600 minute summer	J2	315	53.939	0.044	2.5	0.0000	0.0000	OK
600 minute summer	J3	315	53.798	0.025	3.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
600 minute summer	FC4	Orifice	J3	0.5			
600 minute summer	J1	1.004	S2	1.0	0.460	0.171	0.0135
600 minute summer	J2	1.006	S3	2.5	0.838	0.185	0.0088
600 minute summer	J3	1.008	SA1	3.0	1.609	0.062	0.0246

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

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute winter	S1	345	54.439	0.015	0.5	0.0043	0.0000	OK
600 minute winter	S2	315	54.024	0.037	1.7	0.0205	0.0000	OK
600 minute winter	S3	315	53.901	0.023	2.2	0.0065	0.0000	OK
600 minute winter	S4	345	54.814	0.114	0.2	0.0414	0.0000	SURCHARGED
600 minute winter	S5	345	54.814	0.217	0.4	0.0770	0.0000	SURCHARGED
600 minute winter	S6	210	54.559	0.009	0.1	0.0031	0.0000	OK
600 minute winter	S7	345	54.558	0.096	0.2	0.0327	0.0000	OK
600 minute winter	S8	210	54.557	0.007	0.1	0.0024	0.0000	OK
600 minute winter	S9	345	54.396	0.096	0.2	0.0318	0.0000	OK
600 minute winter	S10	345	54.546	0.146	0.2	0.0531	0.0000	SURCHARGED
600 minute winter	S11	345	54.546	0.250	0.4	0.0888	0.0000	SURCHARGED
600 minute winter	SA1	315	53.024	0.024	6.4	1.6164	0.0000	OK
600 minute winter	FC1	345	54.814	0.311	0.6	0.0267	0.0000	SURCHARGED
600 minute winter	FC2	345	54.396	0.162	0.4	0.0585	0.0000	SURCHARGED
600 minute winter	FC3	345	54.546	0.312	0.6	0.1216	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
600 minute winter	S1	1.003	J1	0.5	0.454	0.049	0.0142
600 minute winter	S2	1.005	J2	1.7	0.641	0.283	0.0113
600 minute winter	S3	1.007	J3	2.2	1.258	0.046	0.0026
600 minute winter	S4	1.000	S5	0.2	0.218	0.035	0.0881
600 minute winter	S5	1.001	FC1	0.4	0.112	0.061	0.0771
600 minute winter	S6	4.000	S7	0.1	0.216	0.017	0.0371
600 minute winter	S7	4.001	FC4	0.2	0.091	0.042	0.0537
600 minute winter	S8	2.000	S9	0.1	0.256	0.009	0.0320
600 minute winter	S9	2.001	FC2	0.2	0.090	0.041	0.0535
600 minute winter	S10	3.000	S11	0.2	0.208	0.031	0.0726
600 minute winter	S11	3.001	FC3	0.4	0.092	0.074	0.0700
600 minute winter	SA1	Infiltration		6.4			
600 minute winter	FC1	1.002	S1	0.5	0.554	0.092	0.0081
600 minute winter	FC2	Orifice	J1	0.4			
600 minute winter	FC3	Orifice	J2	0.6			

Results for 100 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	FC4	345	54.558	0.162	0.4	0.0600	0.0000	SURCHARGED
600 minute winter	J1	345	54.068	0.027	0.9	0.0000	0.0000	OK
600 minute winter	J2	315	53.936	0.041	2.2	0.0000	0.0000	OK
600 minute winter	J3	345	53.797	0.024	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
600 minute winter	FC4	Orifice	J3	0.4			
600 minute winter	J1	1.004	S2	0.9	0.440	0.158	0.0122
600 minute winter	J2	1.006	S3	2.2	0.807	0.162	0.0080
600 minute winter	J3	1.008	SA1	2.6	1.565	0.054	0.0198

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

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute summer	S1	390	54.439	0.015	0.5	0.0041	0.0000	OK
720 minute summer	S2	375	54.026	0.039	1.8	0.0215	0.0000	OK
720 minute summer	S3	375	53.902	0.024	2.4	0.0068	0.0000	OK
720 minute summer	S4	390	54.772	0.072	0.2	0.0261	0.0000	OK
720 minute summer	S5	390	54.772	0.175	0.4	0.0620	0.0000	SURCHARGED
720 minute summer	S6	390	54.612	0.062	0.2	0.0213	0.0000	OK
720 minute summer	S7	390	54.612	0.150	0.4	0.0512	0.0000	SURCHARGED
720 minute summer	S8	375	54.560	0.010	0.2	0.0033	0.0000	OK
720 minute summer	S9	390	54.470	0.170	0.4	0.0562	0.0000	SURCHARGED
720 minute summer	S10	390	54.549	0.149	0.2	0.0540	0.0000	SURCHARGED
720 minute summer	S11	390	54.549	0.253	0.4	0.0897	0.0000	SURCHARGED
720 minute summer	SA1	375	53.027	0.027	7.2	1.8152	0.0000	OK
720 minute summer	FC1	390	54.771	0.268	0.5	0.0231	0.0000	SURCHARGED
720 minute summer	FC2	390	54.470	0.236	0.5	0.0850	0.0000	SURCHARGED
720 minute summer	FC3	390	54.548	0.314	0.6	0.1225	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
720 minute summer	S1	1.003	J1	0.5	0.426	0.046	0.0144
720 minute summer	S2	1.005	J2	1.8	0.657	0.309	0.0121
720 minute summer	S3	1.007	J3	2.4	1.277	0.049	0.0027
720 minute summer	S4	1.000	S5	0.2	0.218	0.035	0.0779
720 minute summer	S5	1.001	FC1	0.3	0.112	0.057	0.0771
720 minute summer	S6	4.000	S7	0.2	0.216	0.033	0.0595
720 minute summer	S7	4.001	FC4	0.3	0.091	0.050	0.0541
720 minute summer	S8	2.000	S9	0.2	0.256	0.019	0.0330
720 minute summer	S9	2.001	FC2	0.3	0.090	0.056	0.0539
720 minute summer	S10	3.000	S11	0.2	0.208	0.031	0.0726
720 minute summer	S11	3.001	FC3	0.4	0.092	0.074	0.0700
720 minute summer	SA1	Infiltration		7.1			
720 minute summer	FC1	1.002	S1	0.5	0.542	0.085	0.0077
720 minute summer	FC2	Orifice	J1	0.5			
720 minute summer	FC3	Orifice	J2	0.6			

Results for 100 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	FC4	390	54.612	0.216	0.5	0.0801	0.0000	SURCHARGED
720 minute summer	J1	390	54.069	0.028	1.0	0.0000	0.0000	OK
720 minute summer	J2	375	53.937	0.042	2.4	0.0000	0.0000	OK
720 minute summer	J3	375	53.798	0.025	2.8	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
720 minute summer	FC4	Orifice	J3	0.5			
720 minute summer	J1	1.004	S2	1.0	0.445	0.166	0.0129
720 minute summer	J2	1.006	S3	2.4	0.824	0.174	0.0084
720 minute summer	J3	1.008	SA1	2.8	1.585	0.059	0.0222

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

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute winter	S1	390	54.439	0.015	0.5	0.0041	0.0000	OK
720 minute winter	S2	375	54.023	0.036	1.5	0.0196	0.0000	OK
720 minute winter	S3	375	53.900	0.022	2.0	0.0063	0.0000	OK
720 minute winter	S4	390	54.772	0.072	0.2	0.0261	0.0000	OK
720 minute winter	S5	390	54.772	0.175	0.4	0.0620	0.0000	SURCHARGED
720 minute winter	S6	255	54.559	0.009	0.1	0.0031	0.0000	OK
720 minute winter	S7	390	54.549	0.087	0.2	0.0296	0.0000	OK
720 minute winter	S8	255	54.557	0.007	0.1	0.0024	0.0000	OK
720 minute winter	S9	390	54.387	0.087	0.2	0.0289	0.0000	OK
720 minute winter	S10	390	54.513	0.113	0.2	0.0410	0.0000	SURCHARGED
720 minute winter	S11	390	54.513	0.217	0.4	0.0769	0.0000	SURCHARGED
720 minute winter	SA1	375	53.022	0.022	5.7	1.4430	0.0000	OK
720 minute winter	FC1	390	54.771	0.268	0.5	0.0231	0.0000	SURCHARGED
720 minute winter	FC2	390	54.387	0.153	0.4	0.0553	0.0000	SURCHARGED
720 minute winter	FC3	390	54.512	0.278	0.5	0.1086	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
720 minute winter	S1	1.003	J1	0.5	0.440	0.046	0.0136
720 minute winter	S2	1.005	J2	1.5	0.626	0.259	0.0106
720 minute winter	S3	1.007	J3	2.0	1.220	0.042	0.0024
720 minute winter	S4	1.000	S5	0.2	0.218	0.035	0.0779
720 minute winter	S5	1.001	FC1	0.3	0.112	0.057	0.0771
720 minute winter	S6	4.000	S7	0.1	0.216	0.017	0.0348
720 minute winter	S7	4.001	FC4	0.2	0.091	0.041	0.0520
720 minute winter	S8	2.000	S9	0.1	0.256	0.009	0.0301
720 minute winter	S9	2.001	FC2	0.2	0.090	0.041	0.0519
720 minute winter	S10	3.000	S11	0.2	0.208	0.027	0.0726
720 minute winter	S11	3.001	FC3	0.3	0.092	0.070	0.0700
720 minute winter	SA1	Infiltration		5.7			
720 minute winter	FC1	1.002	S1	0.5	0.542	0.085	0.0077
720 minute winter	FC2	Orifice	J1	0.4			
720 minute winter	FC3	Orifice	J2	0.5			

Results for 100 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	FC4	390	54.549	0.153	0.4	0.0566	0.0000	SURCHARGED
720 minute winter	J1	390	54.067	0.026	0.9	0.0000	0.0000	OK
720 minute winter	J2	375	53.934	0.039	2.0	0.0000	0.0000	OK
720 minute winter	J3	375	53.796	0.023	2.4	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
720 minute winter	FC4	Orifice	J3	0.4			
720 minute winter	J1	1.004	S2	0.9	0.436	0.149	0.0115
720 minute winter	J2	1.006	S3	2.0	0.791	0.150	0.0075
720 minute winter	J3	1.008	SA1	2.4	1.564	0.050	0.0179

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

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute summer	S1	510	54.439	0.015	0.5	0.0041	0.0000	OK
960 minute summer	S2	495	54.023	0.036	1.5	0.0195	0.0000	OK
960 minute summer	S3	495	53.900	0.022	2.0	0.0062	0.0000	OK
960 minute summer	S4	510	54.772	0.072	0.2	0.0261	0.0000	OK
960 minute summer	S5	510	54.772	0.175	0.4	0.0620	0.0000	SURCHARGED
960 minute summer	S6	405	54.559	0.009	0.1	0.0031	0.0000	OK
960 minute summer	S7	510	54.548	0.086	0.2	0.0294	0.0000	OK
960 minute summer	S8	405	54.557	0.007	0.1	0.0024	0.0000	OK
960 minute summer	S9	510	54.387	0.087	0.2	0.0287	0.0000	OK
960 minute summer	S10	510	54.504	0.104	0.2	0.0379	0.0000	SURCHARGED
960 minute summer	S11	510	54.504	0.208	0.4	0.0740	0.0000	SURCHARGED
960 minute summer	SA1	495	53.023	0.022	5.9	1.4899	0.0000	OK
960 minute summer	FC1	510	54.771	0.268	0.5	0.0231	0.0000	SURCHARGED
960 minute summer	FC2	510	54.387	0.153	0.4	0.0552	0.0000	SURCHARGED
960 minute summer	FC3	510	54.504	0.270	0.5	0.1053	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
960 minute summer	S1	1.003	J1	0.5	0.440	0.046	0.0136
960 minute summer	S2	1.005	J2	1.5	0.626	0.259	0.0106
960 minute summer	S3	1.007	J3	2.0	1.224	0.042	0.0024
960 minute summer	S4	1.000	S5	0.2	0.218	0.035	0.0779
960 minute summer	S5	1.001	FC1	0.3	0.112	0.057	0.0771
960 minute summer	S6	4.000	S7	0.1	0.216	0.017	0.0347
960 minute summer	S7	4.001	FC4	0.2	0.091	0.041	0.0519
960 minute summer	S8	2.000	S9	0.1	0.256	0.009	0.0300
960 minute summer	S9	2.001	FC2	0.2	0.090	0.041	0.0518
960 minute summer	S10	3.000	S11	0.2	0.208	0.031	0.0726
960 minute summer	S11	3.001	FC3	0.3	0.092	0.068	0.0700
960 minute summer	SA1	Infiltration		5.9			
960 minute summer	FC1	1.002	S1	0.5	0.542	0.085	0.0077
960 minute summer	FC2	Orifice	J1	0.4			
960 minute summer	FC3	Orifice	J2	0.5			

Results for 100 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	FC4	510	54.548	0.152	0.4	0.0565	0.0000	SURCHARGED
960 minute summer	J1	510	54.067	0.026	0.9	0.0000	0.0000	OK
960 minute summer	J2	495	53.934	0.039	2.0	0.0000	0.0000	OK
960 minute summer	J3	510	53.796	0.023	2.4	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
960 minute summer	FC4	Orifice	J3	0.4			
960 minute summer	J1	1.004	S2	0.9	0.444	0.149	0.0115
960 minute summer	J2	1.006	S3	2.0	0.790	0.149	0.0075
960 minute summer	J3	1.008	SA1	2.4	1.565	0.050	0.0182

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

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute winter	S1	525	54.435	0.011	0.3	0.0032	0.0000	OK
960 minute winter	S2	540	54.017	0.030	1.1	0.0163	0.0000	OK
960 minute winter	S3	510	53.897	0.019	1.5	0.0053	0.0000	OK
960 minute winter	S4	330	54.709	0.009	0.1	0.0033	0.0000	OK
960 minute winter	S5	330	54.610	0.013	0.2	0.0045	0.0000	OK
960 minute winter	S6	360	54.559	0.009	0.1	0.0031	0.0000	OK
960 minute winter	S7	630	54.495	0.033	0.2	0.0113	0.0000	OK
960 minute winter	S8	360	54.557	0.007	0.1	0.0024	0.0000	OK
960 minute winter	S9	630	54.333	0.033	0.2	0.0110	0.0000	OK
960 minute winter	S10	330	54.409	0.009	0.1	0.0032	0.0000	OK
960 minute winter	S11	510	54.386	0.090	0.2	0.0321	0.0000	OK
960 minute winter	SA1	495	53.017	0.017	4.4	1.1096	0.0000	OK
960 minute winter	FC1	525	54.607	0.104	0.3	0.0090	0.0000	SURCHARGED
960 minute winter	FC2	630	54.333	0.099	0.3	0.0358	0.0000	OK
960 minute winter	FC3	510	54.386	0.152	0.4	0.0594	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
960 minute winter	S1	1.003	J1	0.3	0.415	0.027	0.0101
960 minute winter	S2	1.005	J2	1.1	0.572	0.185	0.0083
960 minute winter	S3	1.007	J3	1.5	1.093	0.031	0.0020
960 minute winter	S4	1.000	S5	0.1	0.218	0.017	0.0052
960 minute winter	S5	1.001	FC1	0.2	0.112	0.034	0.0414
960 minute winter	S6	4.000	S7	0.1	0.216	0.017	0.0120
960 minute winter	S7	4.001	FC4	0.2	0.091	0.034	0.0349
960 minute winter	S8	2.000	S9	0.1	0.256	0.009	0.0101
960 minute winter	S9	2.001	FC2	0.2	0.090	0.034	0.0347
960 minute winter	S10	3.000	S11	0.1	0.208	0.016	0.0361
960 minute winter	S11	3.001	FC3	0.2	0.092	0.048	0.0683
960 minute winter	SA1	Infiltration		4.4			
960 minute winter	FC1	1.002	S1	0.3	0.463	0.051	0.0054
960 minute winter	FC2	Orifice	J1	0.3			
960 minute winter	FC3	Orifice	J2	0.4			

Results for 100 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	FC4	630	54.495	0.099	0.3	0.0368	0.0000	OK
960 minute winter	J1	630	54.063	0.022	0.6	0.0000	0.0000	OK
960 minute winter	J2	510	53.928	0.033	1.5	0.0000	0.0000	OK
960 minute winter	J3	525	53.794	0.021	1.8	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
960 minute winter	FC4	Orifice	J3	0.3			
960 minute winter	J1	1.004	S2	0.6	0.418	0.102	0.0090
960 minute winter	J2	1.006	S3	1.5	0.725	0.109	0.0060
960 minute winter	J3	1.008	SA1	1.8	1.558	0.037	0.0136

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

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute summer	S1	810	54.435	0.011	0.3	0.0032	0.0000	OK
1440 minute summer	S2	750	54.017	0.030	1.1	0.0163	0.0000	OK
1440 minute summer	S3	750	53.896	0.018	1.4	0.0051	0.0000	OK
1440 minute summer	S4	630	54.709	0.009	0.1	0.0033	0.0000	OK
1440 minute summer	S5	630	54.610	0.013	0.2	0.0045	0.0000	OK
1440 minute summer	S6	660	54.559	0.009	0.1	0.0031	0.0000	OK
1440 minute summer	S7	840	54.495	0.033	0.2	0.0113	0.0000	OK
1440 minute summer	S8	660	54.557	0.007	0.1	0.0024	0.0000	OK
1440 minute summer	S9	840	54.333	0.033	0.2	0.0110	0.0000	OK
1440 minute summer	S10	630	54.409	0.009	0.1	0.0032	0.0000	OK
1440 minute summer	S11	870	54.333	0.037	0.2	0.0132	0.0000	OK
1440 minute summer	SA1	750	53.016	0.016	4.1	1.0426	0.0000	OK
1440 minute summer	FC1	810	54.607	0.104	0.3	0.0090	0.0000	SURCHARGED
1440 minute summer	FC2	840	54.333	0.099	0.3	0.0358	0.0000	OK
1440 minute summer	FC3	870	54.333	0.099	0.3	0.0387	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
1440 minute summer	S1	1.003	J1	0.3	0.391	0.027	0.0101
1440 minute summer	S2	1.005	J2	1.1	0.571	0.185	0.0083
1440 minute summer	S3	1.007	J3	1.4	1.068	0.029	0.0019
1440 minute summer	S4	1.000	S5	0.1	0.218	0.017	0.0052
1440 minute summer	S5	1.001	FC1	0.2	0.079	0.034	0.0414
1440 minute summer	S6	4.000	S7	0.1	0.218	0.017	0.0120
1440 minute summer	S7	4.001	FC4	0.2	0.069	0.034	0.0349
1440 minute summer	S8	2.000	S9	0.1	0.255	0.009	0.0100
1440 minute summer	S9	2.001	FC2	0.2	0.068	0.034	0.0347
1440 minute summer	S10	3.000	S11	0.1	0.209	0.016	0.0139
1440 minute summer	S11	3.001	FC3	0.2	0.069	0.040	0.0468
1440 minute summer	SA1	Infiltration		4.1			
1440 minute summer	FC1	1.002	S1	0.3	0.463	0.051	0.0054
1440 minute summer	FC2	Orifice	J1	0.3			
1440 minute summer	FC3	Orifice	J2	0.3			

Results for 100 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	FC4	840	54.495	0.099	0.3	0.0368	0.0000	OK
1440 minute summer	J1	840	54.063	0.022	0.6	0.0000	0.0000	OK
1440 minute summer	J2	750	53.927	0.032	1.4	0.0000	0.0000	OK
1440 minute summer	J3	720	53.793	0.020	1.7	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
1440 minute summer	FC4	Orifice	J3	0.3			
1440 minute summer	J1	1.004	S2	0.6	0.411	0.102	0.0090
1440 minute summer	J2	1.006	S3	1.4	0.713	0.103	0.0058
1440 minute summer	J3	1.008	SA1	1.7	1.554	0.036	0.0130

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

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute winter	S1	750	54.435	0.011	0.3	0.0032	0.0000	OK
1440 minute winter	S2	750	54.015	0.028	1.0	0.0155	0.0000	OK
1440 minute winter	S3	750	53.895	0.017	1.3	0.0049	0.0000	OK
1440 minute winter	S4	570	54.709	0.009	0.1	0.0033	0.0000	OK
1440 minute winter	S5	570	54.610	0.013	0.2	0.0045	0.0000	OK
1440 minute winter	S6	630	54.559	0.009	0.1	0.0031	0.0000	OK
1440 minute winter	S7	870	54.495	0.033	0.2	0.0113	0.0000	OK
1440 minute winter	S8	630	54.557	0.007	0.1	0.0024	0.0000	OK
1440 minute winter	S9	870	54.333	0.033	0.2	0.0110	0.0000	OK
1440 minute winter	S10	570	54.409	0.009	0.1	0.0032	0.0000	OK
1440 minute winter	S11	930	54.333	0.037	0.2	0.0132	0.0000	OK
1440 minute winter	SA1	750	53.013	0.013	3.4	0.8649	0.0000	OK
1440 minute winter	FC1	750	54.607	0.104	0.3	0.0090	0.0000	SURCHARGED
1440 minute winter	FC2	870	54.333	0.099	0.3	0.0358	0.0000	OK
1440 minute winter	FC3	930	54.333	0.099	0.3	0.0387	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
1440 minute winter	S1	1.003	J1	0.3	0.427	0.027	0.0101
1440 minute winter	S2	1.005	J2	1.0	0.557	0.168	0.0078
1440 minute winter	S3	1.007	J3	1.3	1.022	0.027	0.0019
1440 minute winter	S4	1.000	S5	0.1	0.218	0.017	0.0052
1440 minute winter	S5	1.001	FC1	0.2	0.079	0.034	0.0414
1440 minute winter	S6	4.000	S7	0.1	0.218	0.017	0.0120
1440 minute winter	S7	4.001	FC4	0.2	0.069	0.034	0.0349
1440 minute winter	S8	2.000	S9	0.1	0.255	0.009	0.0101
1440 minute winter	S9	2.001	FC2	0.2	0.068	0.034	0.0347
1440 minute winter	S10	3.000	S11	0.1	0.209	0.016	0.0139
1440 minute winter	S11	3.001	FC3	0.2	0.069	0.040	0.0468
1440 minute winter	SA1	Infiltration		3.4			
1440 minute winter	FC1	1.002	S1	0.3	0.463	0.051	0.0054
1440 minute winter	FC2	Orifice	J1	0.3			
1440 minute winter	FC3	Orifice	J2	0.3			

Results for 100 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	FC4	870	54.495	0.099	0.3	0.0368	0.0000	OK
1440 minute winter	J1	870	54.063	0.022	0.6	0.0000	0.0000	OK
1440 minute winter	J2	750	53.926	0.031	1.3	0.0000	0.0000	OK
1440 minute winter	J3	720	53.793	0.020	1.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
1440 minute winter	FC4	Orifice	J3	0.3			
1440 minute winter	J1	1.004	S2	0.6	0.411	0.102	0.0086
1440 minute winter	J2	1.006	S3	1.3	0.699	0.095	0.0055
1440 minute winter	J3	1.008	SA1	1.6	1.560	0.034	0.0117

Results for 100 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	S1	18	54.441	0.017	0.7	0.0049	0.0000	OK
15 minute summer	S2	11	54.225	0.238	11.5	0.1302	0.0000	SURCHARGED
15 minute summer	S3	11	53.937	0.059	11.5	0.0167	0.0000	OK
15 minute summer	S4	12	55.023	0.323	3.2	0.1173	0.0000	SURCHARGED
15 minute summer	S5	12	55.008	0.411	4.7	0.1461	0.0000	SURCHARGED
15 minute summer	S6	16	54.960	0.410	2.5	0.1405	0.0000	SURCHARGED
15 minute summer	S7	16	54.960	0.498	3.6	0.1697	0.0000	SURCHARGED
15 minute summer	S8	16	54.837	0.287	3.2	0.0986	0.0000	SURCHARGED
15 minute summer	S9	16	54.837	0.537	3.7	0.1779	0.0000	SURCHARGED
15 minute summer	S10	12	54.879	0.479	2.7	0.1740	0.0000	SURCHARGED
15 minute summer	S11	12	54.867	0.571	4.7	0.2027	0.0000	SURCHARGED
15 minute summer	SA1	16	53.290	0.290	66.1	19.2121	0.0000	OK
15 minute summer	FC1	18	55.004	0.501	6.9	1.7197	0.0000	SURCHARGED
15 minute summer	FC2	17	54.837	0.603	5.8	1.0091	0.0000	SURCHARGED
15 minute summer	FC3	18	54.861	0.627	7.4	1.6705	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
15 minute summer	S1	1.003	J1	0.7	0.493	0.063	0.0508
15 minute summer	S2	1.005	J2	11.3	1.447	1.903	0.0335
15 minute summer	S3	1.007	J3	12.0	2.007	0.250	0.0087
15 minute summer	S4	1.000	S5	2.1	0.365	0.369	0.0881
15 minute summer	S5	1.001	FC1	4.3	0.545	0.723	0.0771
15 minute summer	S6	4.000	S7	1.7	0.327	0.285	0.0720
15 minute summer	S7	4.001	FC4	3.0	0.382	0.507	0.0541
15 minute summer	S8	2.000	S9	1.8	0.393	0.168	0.0629
15 minute summer	S9	2.001	FC2	3.2	0.415	0.550	0.0539
15 minute summer	S10	3.000	S11	2.1	0.342	0.326	0.0726
15 minute summer	S11	3.001	FC3	4.2	0.531	0.830	0.0700
15 minute summer	SA1	Infiltration		15.2			
15 minute summer	FC1	1.002	S1	0.7	0.596	0.118	0.0097
15 minute summer	FC2	Orifice	J1	0.8			
15 minute summer	FC3	Orifice	J2	0.8			

Results for 100 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	FC4	17	54.959	0.563	5.6	0.9942	0.0000	SURCHARGED
15 minute summer	J1	11	54.228	0.187	1.5	0.0000	0.0000	SURCHARGED
15 minute summer	J2	11	54.000	0.105	12.1	0.0000	0.0000	OK
15 minute summer	J3	11	53.826	0.053	12.7	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
15 minute summer	FC4	Orifice	J3	0.8			
15 minute summer	J1	1.004	S2	3.1	0.606	0.520	0.0442
15 minute summer	J2	1.006	S3	11.5	1.231	0.847	0.0281
15 minute summer	J3	1.008	SA1	12.7	1.993	0.266	0.1257

Results for 100 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	S1	18	54.441	0.017	0.7	0.0049	0.0000	OK
15 minute winter	S2	11	54.241	0.254	11.9	0.1389	0.0000	SURCHARGED
15 minute winter	S3	11	53.938	0.060	12.7	0.0171	0.0000	OK
15 minute winter	S4	12	55.043	0.343	2.8	0.1246	0.0000	SURCHARGED
15 minute winter	S5	13	55.030	0.433	4.9	0.1539	0.0000	SURCHARGED
15 minute winter	S6	16	54.982	0.432	2.1	0.1481	0.0000	SURCHARGED
15 minute winter	S7	17	54.982	0.520	3.6	0.1773	0.0000	SURCHARGED
15 minute winter	S8	16	54.860	0.310	2.3	0.1064	0.0000	SURCHARGED
15 minute winter	S9	16	54.860	0.560	3.7	0.1854	0.0000	SURCHARGED
15 minute winter	S10	12	54.899	0.499	2.8	0.1813	0.0000	SURCHARGED
15 minute winter	S11	13	54.889	0.593	4.9	0.2104	0.0000	SURCHARGED
15 minute winter	SA1	16	53.334	0.334	69.6	22.1118	0.0000	OK
15 minute winter	FC1	18	55.030	0.527	7.1	2.0661	0.0000	SURCHARGED
15 minute winter	FC2	17	54.860	0.626	6.1	1.3094	0.0000	SURCHARGED
15 minute winter	FC3	17	54.887	0.653	7.7	2.0613	0.0000	FLOOD RISK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
15 minute winter	S1	1.003	J1	0.7	0.501	0.065	0.0508
15 minute winter	S2	1.005	J2	11.8	1.508	1.984	0.0335
15 minute winter	S3	1.007	J3	12.5	2.031	0.260	0.0090
15 minute winter	S4	1.000	S5	2.2	0.396	0.385	0.0881
15 minute winter	S5	1.001	FC1	4.4	0.568	0.754	0.0771
15 minute winter	S6	4.000	S7	1.6	0.367	0.278	0.0720
15 minute winter	S7	4.001	FC4	3.4	0.429	0.570	0.0541
15 minute winter	S8	2.000	S9	1.7	0.440	0.158	0.0629
15 minute winter	S9	2.001	FC2	3.4	0.433	0.573	0.0539
15 minute winter	S10	3.000	S11	2.2	0.340	0.344	0.0726
15 minute winter	S11	3.001	FC3	4.4	0.564	0.880	0.0700
15 minute winter	SA1	Infiltration		15.6			
15 minute winter	FC1	1.002	S1	0.7	0.600	0.121	0.0099
15 minute winter	FC2	Orifice	J1	0.8			
15 minute winter	FC3	Orifice	J2	0.8			

Results for 100 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	FC4	17	54.982	0.586	6.1	1.2974	0.0000	SURCHARGED
15 minute winter	J1	11	54.244	0.203	1.5	0.0000	0.0000	SURCHARGED
15 minute winter	J2	11	54.002	0.107	12.6	0.0000	0.0000	OK
15 minute winter	J3	11	53.827	0.054	13.2	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
15 minute winter	FC4	Orifice	J3	0.8			
15 minute winter	J1	1.004	S2	2.7	0.610	0.462	0.0442
15 minute winter	J2	1.006	S3	12.7	1.279	0.931	0.0288
15 minute winter	J3	1.008	SA1	13.2	2.017	0.276	0.1265

Results for 100 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	S1	31	54.441	0.017	0.7	0.0049	0.0000	OK
30 minute summer	S2	19	54.199	0.212	10.7	0.1160	0.0000	SURCHARGED
30 minute summer	S3	19	53.935	0.057	11.1	0.0161	0.0000	OK
30 minute summer	S4	30	55.046	0.346	2.4	0.1255	0.0000	SURCHARGED
30 minute summer	S5	30	55.045	0.448	4.3	0.1591	0.0000	SURCHARGED
30 minute summer	S6	28	54.990	0.440	1.9	0.1508	0.0000	SURCHARGED
30 minute summer	S7	28	54.989	0.527	3.3	0.1799	0.0000	SURCHARGED
30 minute summer	S8	28	54.868	0.318	1.8	0.1089	0.0000	SURCHARGED
30 minute summer	S9	28	54.867	0.567	3.2	0.1878	0.0000	SURCHARGED
30 minute summer	S10	30	54.902	0.502	2.4	0.1823	0.0000	SURCHARGED
30 minute summer	S11	30	54.902	0.606	4.3	0.2151	0.0000	SURCHARGED
30 minute summer	SA1	25	53.323	0.323	60.8	21.3772	0.0000	OK
30 minute summer	FC1	31	55.044	0.541	6.3	2.2618	0.0000	SURCHARGED
30 minute summer	FC2	29	54.867	0.633	5.4	1.3972	0.0000	SURCHARGED
30 minute summer	FC3	31	54.901	0.667	6.9	2.2723	0.0000	FLOOD RISK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
30 minute summer	S1	1.003	J1	0.7	0.515	0.066	0.0509
30 minute summer	S2	1.005	J2	10.5	1.344	1.768	0.0335
30 minute summer	S3	1.007	J3	11.3	1.974	0.235	0.0083
30 minute summer	S4	1.000	S5	1.9	0.322	0.337	0.0881
30 minute summer	S5	1.001	FC1	3.9	0.498	0.661	0.0771
30 minute summer	S6	4.000	S7	1.5	0.294	0.254	0.0720
30 minute summer	S7	4.001	FC4	3.1	0.399	0.529	0.0541
30 minute summer	S8	2.000	S9	1.4	0.352	0.134	0.0629
30 minute summer	S9	2.001	FC2	3.0	0.383	0.508	0.0539
30 minute summer	S10	3.000	S11	1.9	0.294	0.304	0.0726
30 minute summer	S11	3.001	FC3	3.9	0.499	0.779	0.0700
30 minute summer	SA1	Infiltration		15.5			
30 minute summer	FC1	1.002	S1	0.7	0.603	0.123	0.0100
30 minute summer	FC2	Orifice	J1	0.8			
30 minute summer	FC3	Orifice	J2	0.8			

Results for 100 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	FC4	29	54.989	0.593	5.5	1.3950	0.0000	SURCHARGED
30 minute summer	J1	19	54.204	0.163	1.5	0.0000	0.0000	SURCHARGED
30 minute summer	J2	19	53.996	0.101	11.3	0.0000	0.0000	OK
30 minute summer	J3	19	53.824	0.051	12.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
30 minute summer	FC4	Orifice	J3	0.8			
30 minute summer	J1	1.004	S2	2.6	0.611	0.439	0.0442
30 minute summer	J2	1.006	S3	11.1	1.183	0.817	0.0269
30 minute summer	J3	1.008	SA1	12.0	2.037	0.252	0.1246

Results for 100 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	S1	32	54.442	0.018	0.7	0.0050	0.0000	OK
30 minute winter	S2	19	54.180	0.193	10.0	0.1058	0.0000	SURCHARGED
30 minute winter	S3	19	53.933	0.055	10.8	0.0156	0.0000	OK
30 minute winter	S4	31	55.080	0.380	2.2	0.1378	0.0000	SURCHARGED
30 minute winter	S5	31	55.079	0.482	4.0	0.1711	0.0000	SURCHARGED
30 minute winter	S6	30	55.019	0.469	1.6	0.1608	0.0000	SURCHARGED
30 minute winter	S7	30	55.018	0.556	3.1	0.1898	0.0000	SURCHARGED
30 minute winter	S8	30	54.897	0.347	2.0	0.1190	0.0000	SURCHARGED
30 minute winter	S9	30	54.897	0.597	3.0	0.1975	0.0000	SURCHARGED
30 minute winter	S10	31	54.934	0.534	2.2	0.1940	0.0000	SURCHARGED
30 minute winter	S11	31	54.934	0.638	4.0	0.2264	0.0000	SURCHARGED
30 minute winter	SA1	26	53.371	0.371	55.6	24.5919	0.0000	OK
30 minute winter	FC1	32	55.078	0.575	5.8	2.7174	0.0000	SURCHARGED
30 minute winter	FC2	31	54.896	0.662	5.1	1.7775	0.0000	SURCHARGED
30 minute winter	FC3	31	54.933	0.699	6.3	2.7523	0.0000	FLOOD RISK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
30 minute winter	S1	1.003	J1	0.7	0.523	0.068	0.0509
30 minute winter	S2	1.005	J2	9.9	1.264	1.662	0.0334
30 minute winter	S3	1.007	J3	10.7	1.945	0.222	0.0080
30 minute winter	S4	1.000	S5	1.8	0.329	0.312	0.0881
30 minute winter	S5	1.001	FC1	3.6	0.461	0.612	0.0771
30 minute winter	S6	4.000	S7	1.5	0.306	0.248	0.0720
30 minute winter	S7	4.001	FC4	2.8	0.353	0.468	0.0541
30 minute winter	S8	2.000	S9	1.4	0.364	0.133	0.0629
30 minute winter	S9	2.001	FC2	2.9	0.366	0.485	0.0539
30 minute winter	S10	3.000	S11	1.8	0.313	0.284	0.0726
30 minute winter	S11	3.001	FC3	3.6	0.465	0.726	0.0700
30 minute winter	SA1	Infiltration		16.0			
30 minute winter	FC1	1.002	S1	0.7	0.608	0.126	0.0102
30 minute winter	FC2	Orifice	J1	0.8			
30 minute winter	FC3	Orifice	J2	0.8			

Results for 100 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	FC4	31	55.018	0.622	5.0	1.7818	0.0000	FLOOD RISK
30 minute winter	J1	19	54.185	0.144	1.6	0.0000	0.0000	SURCHARGED
30 minute winter	J2	19	53.992	0.097	10.7	0.0000	0.0000	OK
30 minute winter	J3	19	53.823	0.050	11.4	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
30 minute winter	FC4	Orifice	J3	0.8			
30 minute winter	J1	1.004	S2	2.3	0.615	0.389	0.0442
30 minute winter	J2	1.006	S3	10.8	1.203	0.794	0.0258
30 minute winter	J3	1.008	SA1	11.4	2.051	0.239	0.1235

Results for 100 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	S1	50	54.442	0.018	0.7	0.0050	0.0000	OK
60 minute summer	S2	34	54.134	0.147	8.4	0.0806	0.0000	SURCHARGED
60 minute summer	S3	34	53.928	0.050	9.1	0.0142	0.0000	OK
60 minute summer	S4	49	55.058	0.358	1.8	0.1298	0.0000	SURCHARGED
60 minute summer	S5	49	55.057	0.460	3.3	0.1634	0.0000	SURCHARGED
60 minute summer	S6	45	54.998	0.448	1.4	0.1536	0.0000	SURCHARGED
60 minute summer	S7	45	54.997	0.535	2.7	0.1826	0.0000	SURCHARGED
60 minute summer	S8	45	54.875	0.325	1.4	0.1114	0.0000	SURCHARGED
60 minute summer	S9	45	54.875	0.575	2.7	0.1902	0.0000	SURCHARGED
60 minute summer	S10	49	54.914	0.514	1.8	0.1866	0.0000	SURCHARGED
60 minute summer	S11	49	54.914	0.618	3.3	0.2194	0.0000	SURCHARGED
60 minute summer	SA1	42	53.312	0.312	46.2	20.6397	0.0000	OK
60 minute summer	FC1	50	55.057	0.554	4.8	2.4271	0.0000	SURCHARGED
60 minute summer	FC2	46	54.874	0.640	4.3	1.4894	0.0000	SURCHARGED
60 minute summer	FC3	50	54.913	0.679	5.3	2.4551	0.0000	FLOOD RISK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
60 minute summer	S1	1.003	J1	0.7	0.528	0.067	0.0504
60 minute summer	S2	1.005	J2	8.3	1.064	1.399	0.0330
60 minute summer	S3	1.007	J3	9.1	1.866	0.189	0.0071
60 minute summer	S4	1.000	S5	1.5	0.271	0.258	0.0881
60 minute summer	S5	1.001	FC1	3.0	0.380	0.505	0.0771
60 minute summer	S6	4.000	S7	1.3	0.270	0.227	0.0720
60 minute summer	S7	4.001	FC4	2.5	0.314	0.417	0.0541
60 minute summer	S8	2.000	S9	1.3	0.321	0.122	0.0629
60 minute summer	S9	2.001	FC2	2.5	0.319	0.423	0.0539
60 minute summer	S10	3.000	S11	1.5	0.264	0.234	0.0726
60 minute summer	S11	3.001	FC3	3.0	0.382	0.597	0.0700
60 minute summer	SA1	Infiltration		15.4			
60 minute summer	FC1	1.002	S1	0.7	0.605	0.124	0.0100
60 minute summer	FC2	Orifice	J1	0.8			
60 minute summer	FC3	Orifice	J2	0.8			

Results for 100 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	FC4	46	54.997	0.601	4.3	1.4992	0.0000	SURCHARGED
60 minute summer	J1	34	54.138	0.097	1.5	0.0000	0.0000	OK
60 minute summer	J2	34	53.984	0.089	9.1	0.0000	0.0000	OK
60 minute summer	J3	34	53.819	0.046	9.8	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
60 minute summer	FC4	Orifice	J3	0.8			
60 minute summer	J1	1.004	S2	2.0	0.611	0.344	0.0440
60 minute summer	J2	1.006	S3	9.1	1.137	0.669	0.0231
60 minute summer	J3	1.008	SA1	9.8	2.058	0.206	0.1207

Results for 100 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	S1	58	54.442	0.018	0.8	0.0051	0.0000	OK
60 minute winter	S2	34	54.103	0.116	7.2	0.0636	0.0000	SURCHARGED
60 minute winter	S3	34	53.924	0.046	7.9	0.0131	0.0000	OK
60 minute winter	S4	57	55.102	0.402	1.5	0.1459	0.0000	SURCHARGED
60 minute winter	S5	57	55.102	0.505	2.8	0.1791	0.0000	SURCHARGED
60 minute winter	S6	48	55.026	0.476	1.1	0.1632	0.0000	SURCHARGED
60 minute winter	S7	48	55.025	0.563	2.0	0.1921	0.0000	SURCHARGED
60 minute winter	S8	48	54.903	0.353	1.1	0.1211	0.0000	SURCHARGED
60 minute winter	S9	48	54.903	0.603	2.1	0.1995	0.0000	SURCHARGED
60 minute winter	S10	57	54.955	0.555	1.5	0.2013	0.0000	SURCHARGED
60 minute winter	S11	57	54.954	0.658	2.8	0.2337	0.0000	SURCHARGED
60 minute winter	SA1	45	53.348	0.348	38.1	23.0567	0.0000	OK
60 minute winter	FC1	58	55.101	0.598	4.0	3.0239	0.0000	SURCHARGED
60 minute winter	FC2	49	54.902	0.668	3.3	1.8592	0.0000	SURCHARGED
60 minute winter	FC3	57	54.953	0.719	4.3	3.0649	0.0000	FLOOD RISK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
60 minute winter	S1	1.003	J1	0.8	0.544	0.069	0.0363
60 minute winter	S2	1.005	J2	7.2	0.919	1.202	0.0324
60 minute winter	S3	1.007	J3	7.9	1.797	0.165	0.0064
60 minute winter	S4	1.000	S5	1.3	0.303	0.217	0.0881
60 minute winter	S5	1.001	FC1	2.5	0.320	0.425	0.0771
60 minute winter	S6	4.000	S7	1.0	0.271	0.176	0.0720
60 minute winter	S7	4.001	FC4	1.8	0.233	0.310	0.0541
60 minute winter	S8	2.000	S9	1.1	0.324	0.099	0.0629
60 minute winter	S9	2.001	FC2	1.8	0.232	0.308	0.0539
60 minute winter	S10	3.000	S11	1.3	0.284	0.197	0.0726
60 minute winter	S11	3.001	FC3	2.5	0.323	0.504	0.0700
60 minute winter	SA1	Infiltration		15.8			
60 minute winter	FC1	1.002	S1	0.8	0.612	0.129	0.0103
60 minute winter	FC2	Orifice	J1	0.8			
60 minute winter	FC3	Orifice	J2	0.9			

Results for 100 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	FC4	49	55.025	0.629	3.3	1.8789	0.0000	FLOOD RISK
60 minute winter	J1	34	54.105	0.064	1.6	0.0000	0.0000	OK
60 minute winter	J2	34	53.977	0.082	7.9	0.0000	0.0000	OK
60 minute winter	J3	34	53.816	0.043	8.7	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
60 minute winter	FC4	Orifice	J3	0.8			
60 minute winter	J1	1.004	S2	1.8	0.617	0.300	0.0371
60 minute winter	J2	1.006	S3	7.9	1.106	0.583	0.0207
60 minute winter	J3	1.008	SA1	8.7	2.081	0.182	0.1185

Results for 100 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	S1	86	54.442	0.018	0.7	0.0050	0.0000	OK
120 minute summer	S2	64	54.078	0.091	6.2	0.0498	0.0000	OK
120 minute summer	S3	64	53.921	0.043	7.0	0.0122	0.0000	OK
120 minute summer	S4	84	55.060	0.360	1.2	0.1307	0.0000	SURCHARGED
120 minute summer	S5	84	55.060	0.463	2.2	0.1643	0.0000	SURCHARGED
120 minute summer	S6	80	54.992	0.442	0.9	0.1517	0.0000	SURCHARGED
120 minute summer	S7	80	54.992	0.530	1.7	0.1807	0.0000	SURCHARGED
120 minute summer	S8	80	54.868	0.318	0.9	0.1091	0.0000	SURCHARGED
120 minute summer	S9	80	54.868	0.568	1.7	0.1879	0.0000	SURCHARGED
120 minute summer	S10	84	54.918	0.518	1.2	0.1879	0.0000	SURCHARGED
120 minute summer	S11	84	54.917	0.621	2.2	0.2206	0.0000	SURCHARGED
120 minute summer	SA1	76	53.267	0.267	32.0	17.7079	0.0000	OK
120 minute summer	FC1	86	55.059	0.556	3.2	2.4603	0.0000	SURCHARGED
120 minute summer	FC2	82	54.867	0.633	2.8	1.4006	0.0000	SURCHARGED
120 minute summer	FC3	84	54.916	0.682	3.5	2.5075	0.0000	FLOOD RISK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
120 minute summer	S1	1.003	J1	0.7	0.542	0.067	0.0199
120 minute summer	S2	1.005	J2	6.2	0.867	1.042	0.0308
120 minute summer	S3	1.007	J3	6.9	1.733	0.145	0.0058
120 minute summer	S4	1.000	S5	1.0	0.260	0.175	0.0881
120 minute summer	S5	1.001	FC1	2.0	0.258	0.343	0.0771
120 minute summer	S6	4.000	S7	0.8	0.222	0.134	0.0720
120 minute summer	S7	4.001	FC4	1.6	0.205	0.271	0.0541
120 minute summer	S8	2.000	S9	0.8	0.272	0.075	0.0629
120 minute summer	S9	2.001	FC2	1.6	0.202	0.267	0.0539
120 minute summer	S10	3.000	S11	1.0	0.221	0.159	0.0726
120 minute summer	S11	3.001	FC3	2.0	0.260	0.406	0.0700
120 minute summer	SA1	Infiltration		15.0			
120 minute summer	FC1	1.002	S1	0.7	0.605	0.124	0.0101
120 minute summer	FC2	Orifice	J1	0.8			
120 minute summer	FC3	Orifice	J2	0.8			

Results for 100 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	FC4	82	54.991	0.595	2.8	1.4270	0.0000	SURCHARGED
120 minute summer	J1	64	54.077	0.036	1.5	0.0000	0.0000	OK
120 minute summer	J2	64	53.971	0.076	7.0	0.0000	0.0000	OK
120 minute summer	J3	64	53.814	0.041	7.7	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
120 minute summer	FC4	Orifice	J3	0.8			
120 minute summer	J1	1.004	S2	1.5	0.604	0.260	0.0283
120 minute summer	J2	1.006	S3	7.0	1.076	0.511	0.0187
120 minute summer	J3	1.008	SA1	7.7	2.070	0.161	0.1166

Results for 100 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	S1	92	54.442	0.018	0.8	0.0051	0.0000	OK
120 minute winter	S2	64	54.063	0.076	5.1	0.0414	0.0000	OK
120 minute winter	S3	64	53.917	0.039	5.9	0.0111	0.0000	OK
120 minute winter	S4	90	55.100	0.400	0.9	0.1451	0.0000	SURCHARGED
120 minute winter	S5	90	55.099	0.502	1.7	0.1783	0.0000	SURCHARGED
120 minute winter	S6	86	55.019	0.469	0.7	0.1610	0.0000	SURCHARGED
120 minute winter	S7	88	55.019	0.557	1.5	0.1900	0.0000	SURCHARGED
120 minute winter	S8	86	54.895	0.345	0.7	0.1182	0.0000	SURCHARGED
120 minute winter	S9	86	54.894	0.594	1.5	0.1967	0.0000	SURCHARGED
120 minute winter	S10	90	54.955	0.555	0.9	0.2015	0.0000	SURCHARGED
120 minute winter	S11	90	54.955	0.659	1.7	0.2339	0.0000	SURCHARGED
120 minute winter	SA1	82	53.273	0.273	25.5	18.0562	0.0000	OK
120 minute winter	FC1	90	55.098	0.595	2.4	2.9927	0.0000	SURCHARGED
120 minute winter	FC2	88	54.894	0.660	2.2	1.7497	0.0000	SURCHARGED
120 minute winter	FC3	92	54.954	0.720	2.7	3.0763	0.0000	FLOOD RISK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
120 minute winter	S1	1.003	J1	0.8	0.563	0.069	0.0203
120 minute winter	S2	1.005	J2	5.1	0.832	0.864	0.0267
120 minute winter	S3	1.007	J3	5.9	1.654	0.123	0.0052
120 minute winter	S4	1.000	S5	0.8	0.268	0.134	0.0881
120 minute winter	S5	1.001	FC1	1.5	0.199	0.262	0.0771
120 minute winter	S6	4.000	S7	0.8	0.222	0.135	0.0720
120 minute winter	S7	4.001	FC4	1.4	0.196	0.233	0.0541
120 minute winter	S8	2.000	S9	0.8	0.272	0.072	0.0629
120 minute winter	S9	2.001	FC2	1.3	0.202	0.222	0.0539
120 minute winter	S10	3.000	S11	0.8	0.258	0.122	0.0726
120 minute winter	S11	3.001	FC3	1.6	0.199	0.310	0.0700
120 minute winter	SA1	Infiltration		15.1			
120 minute winter	FC1	1.002	S1	0.8	0.612	0.129	0.0103
120 minute winter	FC2	Orifice	J1	0.8			
120 minute winter	FC3	Orifice	J2	0.9			

Results for 100 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	FC4	88	55.019	0.623	2.3	1.7952	0.0000	FLOOD RISK
120 minute winter	J1	100	54.077	0.036	1.6	0.0000	0.0000	OK
120 minute winter	J2	64	53.964	0.069	5.9	0.0000	0.0000	OK
120 minute winter	J3	64	53.811	0.038	6.7	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
120 minute winter	FC4	Orifice	J3	0.8			
120 minute winter	J1	1.004	S2	1.6	0.611	0.267	0.0245
120 minute winter	J2	1.006	S3	5.9	1.037	0.435	0.0166
120 minute winter	J3	1.008	SA1	6.7	2.106	0.139	0.1145

Results for 100 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	S1	124	54.442	0.018	0.7	0.0050	0.0000	OK
180 minute summer	S2	96	54.061	0.074	5.0	0.0406	0.0000	OK
180 minute summer	S3	96	53.917	0.039	5.8	0.0110	0.0000	OK
180 minute summer	S4	120	55.053	0.353	0.9	0.1280	0.0000	SURCHARGED
180 minute summer	S5	120	55.052	0.455	1.7	0.1617	0.0000	SURCHARGED
180 minute summer	S6	116	54.986	0.436	0.7	0.1497	0.0000	SURCHARGED
180 minute summer	S7	116	54.986	0.524	1.4	0.1788	0.0000	SURCHARGED
180 minute summer	S8	116	54.861	0.311	0.7	0.1067	0.0000	SURCHARGED
180 minute summer	S9	116	54.861	0.561	1.4	0.1856	0.0000	SURCHARGED
180 minute summer	S10	120	54.909	0.509	0.9	0.1846	0.0000	SURCHARGED
180 minute summer	S11	120	54.908	0.612	1.7	0.2174	0.0000	SURCHARGED
180 minute summer	SA1	108	53.214	0.213	24.8	14.1378	0.0000	OK
180 minute summer	FC1	124	55.052	0.549	2.4	2.3621	0.0000	SURCHARGED
180 minute summer	FC2	116	54.861	0.627	2.3	1.3150	0.0000	SURCHARGED
180 minute summer	FC3	120	54.907	0.673	2.7	2.3689	0.0000	FLOOD RISK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
180 minute summer	S1	1.003	J1	0.7	0.542	0.066	0.0198
180 minute summer	S2	1.005	J2	5.0	0.829	0.843	0.0262
180 minute summer	S3	1.007	J3	5.8	1.644	0.120	0.0051
180 minute summer	S4	1.000	S5	0.8	0.219	0.133	0.0881
180 minute summer	S5	1.001	FC1	1.5	0.197	0.261	0.0771
180 minute summer	S6	4.000	S7	0.7	0.219	0.115	0.0720
180 minute summer	S7	4.001	FC4	1.4	0.199	0.238	0.0541
180 minute summer	S8	2.000	S9	0.7	0.274	0.066	0.0629
180 minute summer	S9	2.001	FC2	1.4	0.216	0.242	0.0539
180 minute summer	S10	3.000	S11	0.8	0.216	0.121	0.0726
180 minute summer	S11	3.001	FC3	1.6	0.198	0.310	0.0700
180 minute summer	SA1	Infiltration		14.5			
180 minute summer	FC1	1.002	S1	0.7	0.604	0.123	0.0100
180 minute summer	FC2	Orifice	J1	0.8			
180 minute summer	FC3	Orifice	J2	0.8			

Results for 100 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	FC4	116	54.986	0.590	2.3	1.3522	0.0000	SURCHARGED
180 minute summer	J1	132	54.076	0.035	1.5	0.0000	0.0000	OK
180 minute summer	J2	96	53.963	0.068	5.8	0.0000	0.0000	OK
180 minute summer	J3	96	53.811	0.037	6.5	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
180 minute summer	FC4	Orifice	J3	0.8			
180 minute summer	J1	1.004	S2	1.5	0.582	0.258	0.0240
180 minute summer	J2	1.006	S3	5.8	1.031	0.425	0.0163
180 minute summer	J3	1.008	SA1	6.5	2.018	0.136	0.1143

Results for 100 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	S1	132	54.442	0.018	0.7	0.0050	0.0000	OK
180 minute winter	S2	96	54.052	0.065	4.2	0.0357	0.0000	OK
180 minute winter	S3	96	53.914	0.036	5.0	0.0101	0.0000	OK
180 minute winter	S4	128	55.075	0.375	0.7	0.1360	0.0000	SURCHARGED
180 minute winter	S5	128	55.074	0.477	1.3	0.1695	0.0000	SURCHARGED
180 minute winter	S6	124	54.990	0.440	0.5	0.1508	0.0000	SURCHARGED
180 minute winter	S7	124	54.990	0.528	0.9	0.1799	0.0000	SURCHARGED
180 minute winter	S8	124	54.863	0.313	0.5	0.1073	0.0000	SURCHARGED
180 minute winter	S9	124	54.863	0.563	0.9	0.1863	0.0000	SURCHARGED
180 minute winter	S10	128	54.931	0.531	0.7	0.1929	0.0000	SURCHARGED
180 minute winter	S11	128	54.931	0.635	1.3	0.2255	0.0000	SURCHARGED
180 minute winter	SA1	116	53.191	0.191	19.8	12.6559	0.0000	OK
180 minute winter	FC1	132	55.074	0.571	1.9	2.6571	0.0000	SURCHARGED
180 minute winter	FC2	124	54.862	0.628	1.6	1.3388	0.0000	SURCHARGED
180 minute winter	FC3	132	54.930	0.696	2.1	2.7193	0.0000	FLOOD RISK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
180 minute winter	S1	1.003	J1	0.7	0.560	0.068	0.0200
180 minute winter	S2	1.005	J2	4.2	0.803	0.710	0.0228
180 minute winter	S3	1.007	J3	5.0	1.575	0.104	0.0046
180 minute winter	S4	1.000	S5	0.6	0.231	0.106	0.0881
180 minute winter	S5	1.001	FC1	1.2	0.197	0.207	0.0771
180 minute winter	S6	4.000	S7	0.4	0.219	0.075	0.0720
180 minute winter	S7	4.001	FC4	0.9	0.199	0.151	0.0541
180 minute winter	S8	2.000	S9	0.4	0.274	0.041	0.0629
180 minute winter	S9	2.001	FC2	0.9	0.216	0.151	0.0539
180 minute winter	S10	3.000	S11	0.6	0.217	0.097	0.0726
180 minute winter	S11	3.001	FC3	1.2	0.158	0.247	0.0700
180 minute winter	SA1	Infiltration		14.3			
180 minute winter	FC1	1.002	S1	0.7	0.608	0.126	0.0102
180 minute winter	FC2	Orifice	J1	0.8			
180 minute winter	FC3	Orifice	J2	0.8			

Results for 100 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	FC4	124	54.989	0.593	1.6	1.3963	0.0000	SURCHARGED
180 minute winter	J1	144	54.076	0.035	1.5	0.0000	0.0000	OK
180 minute winter	J2	96	53.958	0.063	5.0	0.0000	0.0000	OK
180 minute winter	J3	96	53.808	0.035	5.7	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
180 minute winter	FC4	Orifice	J3	0.8			
180 minute winter	J1	1.004	S2	1.5	0.590	0.261	0.0218
180 minute winter	J2	1.006	S3	5.0	0.996	0.367	0.0146
180 minute winter	J3	1.008	SA1	5.7	2.042	0.120	0.1126

Results for 100 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	S1	156	54.441	0.017	0.7	0.0049	0.0000	OK
240 minute summer	S2	124	54.055	0.068	4.5	0.0372	0.0000	OK
240 minute summer	S3	124	53.915	0.037	5.2	0.0104	0.0000	OK
240 minute summer	S4	152	55.035	0.335	0.8	0.1215	0.0000	SURCHARGED
240 minute summer	S5	152	55.034	0.437	1.5	0.1553	0.0000	SURCHARGED
240 minute summer	S6	148	54.963	0.413	0.6	0.1416	0.0000	SURCHARGED
240 minute summer	S7	148	54.963	0.501	1.1	0.1708	0.0000	SURCHARGED
240 minute summer	S8	148	54.836	0.286	0.6	0.0982	0.0000	SURCHARGED
240 minute summer	S9	148	54.836	0.536	1.1	0.1775	0.0000	SURCHARGED
240 minute summer	S10	152	54.894	0.494	0.8	0.1793	0.0000	SURCHARGED
240 minute summer	S11	152	54.894	0.598	1.5	0.2121	0.0000	SURCHARGED
240 minute summer	SA1	140	53.167	0.167	21.4	11.0410	0.0000	OK
240 minute summer	FC1	156	55.034	0.531	2.2	2.1224	0.0000	SURCHARGED
240 minute summer	FC2	148	54.836	0.602	1.8	0.9943	0.0000	SURCHARGED
240 minute summer	FC3	152	54.893	0.659	2.4	2.1464	0.0000	FLOOD RISK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
240 minute summer	S1	1.003	J1	0.7	0.540	0.065	0.0195
240 minute summer	S2	1.005	J2	4.5	0.812	0.751	0.0238
240 minute summer	S3	1.007	J3	5.2	1.597	0.108	0.0047
240 minute summer	S4	1.000	S5	0.7	0.218	0.118	0.0881
240 minute summer	S5	1.001	FC1	1.4	0.197	0.231	0.0771
240 minute summer	S6	4.000	S7	0.5	0.219	0.082	0.0720
240 minute summer	S7	4.001	FC4	1.0	0.124	0.165	0.0541
240 minute summer	S8	2.000	S9	0.5	0.276	0.050	0.0629
240 minute summer	S9	2.001	FC2	1.0	0.133	0.174	0.0539
240 minute summer	S10	3.000	S11	0.7	0.214	0.107	0.0726
240 minute summer	S11	3.001	FC3	1.4	0.186	0.274	0.0700
240 minute summer	SA1	Infiltration		14.1			
240 minute summer	FC1	1.002	S1	0.7	0.601	0.121	0.0099
240 minute summer	FC2	Orifice	J1	0.8			
240 minute summer	FC3	Orifice	J2	0.8			

Results for 100 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	FC4	148	54.963	0.567	1.8	1.0365	0.0000	SURCHARGED
240 minute summer	J1	168	54.076	0.035	1.5	0.0000	0.0000	OK
240 minute summer	J2	124	53.959	0.064	5.2	0.0000	0.0000	OK
240 minute summer	J3	124	53.809	0.036	5.9	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
240 minute summer	FC4	Orifice	J3	0.8			
240 minute summer	J1	1.004	S2	1.5	0.549	0.253	0.0223
240 minute summer	J2	1.006	S3	5.2	1.006	0.383	0.0151
240 minute summer	J3	1.008	SA1	5.9	1.912	0.124	0.1122

Results for 100 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	S1	168	54.442	0.018	0.7	0.0050	0.0000	OK
240 minute winter	S2	124	54.047	0.060	3.7	0.0326	0.0000	OK
240 minute winter	S3	124	53.912	0.034	4.5	0.0095	0.0000	OK
240 minute winter	S4	164	55.058	0.358	0.6	0.1299	0.0000	SURCHARGED
240 minute winter	S5	164	55.057	0.460	1.1	0.1635	0.0000	SURCHARGED
240 minute winter	S6	160	54.972	0.422	0.4	0.1446	0.0000	SURCHARGED
240 minute winter	S7	160	54.972	0.510	0.8	0.1738	0.0000	SURCHARGED
240 minute winter	S8	156	54.843	0.293	0.4	0.1005	0.0000	SURCHARGED
240 minute winter	S9	156	54.843	0.543	0.8	0.1797	0.0000	SURCHARGED
240 minute winter	S10	164	54.909	0.509	0.6	0.1848	0.0000	SURCHARGED
240 minute winter	S11	164	54.909	0.613	1.1	0.2176	0.0000	SURCHARGED
240 minute winter	SA1	144	53.125	0.125	16.7	8.2789	0.0000	OK
240 minute winter	FC1	168	55.057	0.554	1.7	2.4299	0.0000	SURCHARGED
240 minute winter	FC2	160	54.842	0.608	1.4	1.0795	0.0000	SURCHARGED
240 minute winter	FC3	164	54.908	0.674	1.8	2.3787	0.0000	FLOOD RISK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
240 minute winter	S1	1.003	J1	0.7	0.564	0.067	0.0197
240 minute winter	S2	1.005	J2	3.7	0.780	0.621	0.0205
240 minute winter	S3	1.007	J3	4.5	1.523	0.093	0.0043
240 minute winter	S4	1.000	S5	0.5	0.218	0.091	0.0881
240 minute winter	S5	1.001	FC1	1.1	0.197	0.179	0.0771
240 minute winter	S6	4.000	S7	0.4	0.219	0.062	0.0720
240 minute winter	S7	4.001	FC4	0.7	0.119	0.124	0.0541
240 minute winter	S8	2.000	S9	0.4	0.276	0.038	0.0629
240 minute winter	S9	2.001	FC2	0.8	0.133	0.142	0.0539
240 minute winter	S10	3.000	S11	0.5	0.214	0.084	0.0726
240 minute winter	S11	3.001	FC3	1.1	0.186	0.213	0.0700
240 minute winter	SA1	Infiltration		13.7			
240 minute winter	FC1	1.002	S1	0.7	0.605	0.124	0.0100
240 minute winter	FC2	Orifice	J1	0.8			
240 minute winter	FC3	Orifice	J2	0.8			

Results for 100 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	FC4	160	54.971	0.575	1.3	1.1533	0.0000	SURCHARGED
240 minute winter	J1	180	54.076	0.035	1.5	0.0000	0.0000	OK
240 minute winter	J2	124	53.954	0.059	4.5	0.0000	0.0000	OK
240 minute winter	J3	124	53.806	0.033	5.2	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
240 minute winter	FC4	Orifice	J3	0.8			
240 minute winter	J1	1.004	S2	1.5	0.568	0.257	0.0202
240 minute winter	J2	1.006	S3	4.5	0.969	0.327	0.0134
240 minute winter	J3	1.008	SA1	5.2	1.982	0.108	0.1003

Results for 100 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	S1	224	54.441	0.017	0.7	0.0048	0.0000	OK
360 minute summer	S2	184	54.046	0.059	3.7	0.0323	0.0000	OK
360 minute summer	S3	184	53.911	0.033	4.4	0.0094	0.0000	OK
360 minute summer	S4	224	55.001	0.301	0.6	0.1094	0.0000	SURCHARGED
360 minute summer	S5	224	55.001	0.404	1.1	0.1435	0.0000	SURCHARGED
360 minute summer	S6	216	54.940	0.390	0.4	0.1337	0.0000	SURCHARGED
360 minute summer	S7	216	54.940	0.478	0.8	0.1629	0.0000	SURCHARGED
360 minute summer	S8	216	54.811	0.261	0.4	0.0895	0.0000	SURCHARGED
360 minute summer	S9	216	54.811	0.511	0.8	0.1691	0.0000	SURCHARGED
360 minute summer	S10	216	54.853	0.453	0.6	0.1644	0.0000	SURCHARGED
360 minute summer	S11	216	54.853	0.557	1.1	0.1976	0.0000	SURCHARGED
360 minute summer	SA1	200	53.093	0.093	16.8	6.1514	0.0000	OK
360 minute summer	FC1	224	55.001	0.498	1.6	1.6713	0.0000	SURCHARGED
360 minute summer	FC2	216	54.810	0.576	1.2	0.6636	0.0000	SURCHARGED
360 minute summer	FC3	224	54.852	0.618	1.8	1.5308	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
360 minute summer	S1	1.003	J1	0.7	0.531	0.063	0.0190
360 minute summer	S2	1.005	J2	3.6	0.778	0.612	0.0203
360 minute summer	S3	1.007	J3	4.4	1.517	0.091	0.0042
360 minute summer	S4	1.000	S5	0.5	0.218	0.091	0.0881
360 minute summer	S5	1.001	FC1	1.0	0.161	0.178	0.0771
360 minute summer	S6	4.000	S7	0.4	0.219	0.061	0.0720
360 minute summer	S7	4.001	FC4	0.7	0.120	0.123	0.0541
360 minute summer	S8	2.000	S9	0.4	0.257	0.034	0.0629
360 minute summer	S9	2.001	FC2	0.7	0.120	0.123	0.0539
360 minute summer	S10	3.000	S11	0.5	0.209	0.083	0.0726
360 minute summer	S11	3.001	FC3	1.1	0.136	0.212	0.0700
360 minute summer	SA1	Infiltration		13.4			
360 minute summer	FC1	1.002	S1	0.7	0.595	0.117	0.0097
360 minute summer	FC2	Orifice	J1	0.8			
360 minute summer	FC3	Orifice	J2	0.8			

Results for 100 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	FC4	216	54.939	0.543	1.2	0.7243	0.0000	SURCHARGED
360 minute summer	J1	240	54.075	0.034	1.5	0.0000	0.0000	OK
360 minute summer	J2	184	53.953	0.058	4.4	0.0000	0.0000	OK
360 minute summer	J3	184	53.806	0.033	5.1	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
360 minute summer	FC4	Orifice	J3	0.7			
360 minute summer	J1	1.004	S2	1.5	0.543	0.246	0.0198
360 minute summer	J2	1.006	S3	4.4	0.965	0.322	0.0132
360 minute summer	J3	1.008	SA1	5.1	1.793	0.106	0.0767

Results for 100 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	S1	232	54.441	0.017	0.7	0.0049	0.0000	OK
360 minute winter	S2	184	54.040	0.053	3.0	0.0288	0.0000	OK
360 minute winter	S3	184	53.909	0.031	3.8	0.0087	0.0000	OK
360 minute winter	S4	232	55.005	0.305	0.4	0.1106	0.0000	SURCHARGED
360 minute winter	S5	232	55.005	0.407	0.8	0.1447	0.0000	SURCHARGED
360 minute winter	S6	216	54.925	0.375	0.3	0.1286	0.0000	SURCHARGED
360 minute winter	S7	216	54.925	0.463	0.6	0.1579	0.0000	SURCHARGED
360 minute winter	S8	216	54.795	0.245	0.3	0.0839	0.0000	SURCHARGED
360 minute winter	S9	216	54.795	0.495	0.6	0.1637	0.0000	SURCHARGED
360 minute winter	S10	232	54.856	0.456	0.4	0.1654	0.0000	SURCHARGED
360 minute winter	S11	232	54.855	0.559	0.8	0.1986	0.0000	SURCHARGED
360 minute winter	SA1	192	53.049	0.049	13.0	3.2639	0.0000	OK
360 minute winter	FC1	232	55.004	0.501	1.2	1.7164	0.0000	SURCHARGED
360 minute winter	FC2	216	54.794	0.560	1.0	0.4522	0.0000	SURCHARGED
360 minute winter	FC3	232	54.855	0.621	1.2	1.5769	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
360 minute winter	S1	1.003	J1	0.7	0.519	0.063	0.0189
360 minute winter	S2	1.005	J2	3.0	0.746	0.511	0.0176
360 minute winter	S3	1.007	J3	3.8	1.451	0.079	0.0038
360 minute winter	S4	1.000	S5	0.4	0.218	0.073	0.0881
360 minute winter	S5	1.001	FC1	0.8	0.161	0.143	0.0771
360 minute winter	S6	4.000	S7	0.3	0.219	0.048	0.0720
360 minute winter	S7	4.001	FC4	0.6	0.123	0.096	0.0541
360 minute winter	S8	2.000	S9	0.3	0.257	0.026	0.0629
360 minute winter	S9	2.001	FC2	0.6	0.123	0.096	0.0539
360 minute winter	S10	3.000	S11	0.4	0.209	0.059	0.0726
360 minute winter	S11	3.001	FC3	0.8	0.122	0.150	0.0700
360 minute winter	SA1	Infiltration		12.8			
360 minute winter	FC1	1.002	S1	0.7	0.596	0.118	0.0097
360 minute winter	FC2	Orifice	J1	0.7			
360 minute winter	FC3	Orifice	J2	0.8			

Results for 100 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	FC4	216	54.925	0.529	1.0	0.5243	0.0000	SURCHARGED
360 minute winter	J1	248	54.075	0.034	1.4	0.0000	0.0000	OK
360 minute winter	J2	184	53.949	0.054	3.8	0.0000	0.0000	OK
360 minute winter	J3	184	53.804	0.031	4.5	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
360 minute winter	FC4	Orifice	J3	0.7			
360 minute winter	J1	1.004	S2	1.4	0.531	0.245	0.0180
360 minute winter	J2	1.006	S3	3.8	0.931	0.278	0.0119
360 minute winter	J3	1.008	SA1	4.5	1.763	0.094	0.0416

Results for 100 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	S1	280	54.441	0.017	0.7	0.0047	0.0000	OK
480 minute summer	S2	248	54.040	0.053	3.1	0.0292	0.0000	OK
480 minute summer	S3	248	53.909	0.031	3.8	0.0088	0.0000	OK
480 minute summer	S4	280	54.956	0.256	0.4	0.0928	0.0000	SURCHARGED
480 minute summer	S5	280	54.955	0.358	0.8	0.1272	0.0000	SURCHARGED
480 minute summer	S6	272	54.907	0.357	0.3	0.1226	0.0000	SURCHARGED
480 minute summer	S7	272	54.907	0.445	0.6	0.1519	0.0000	SURCHARGED
480 minute summer	S8	272	54.778	0.228	0.3	0.0783	0.0000	SURCHARGED
480 minute summer	S9	272	54.778	0.478	0.6	0.1582	0.0000	SURCHARGED
480 minute summer	S10	280	54.821	0.421	0.4	0.1530	0.0000	SURCHARGED
480 minute summer	S11	280	54.821	0.525	0.8	0.1865	0.0000	SURCHARGED
480 minute summer	SA1	248	53.052	0.052	13.5	3.4266	0.0000	OK
480 minute summer	FC1	280	54.955	0.452	1.1	1.0528	0.0000	SURCHARGED
480 minute summer	FC2	272	54.778	0.544	0.9	0.2370	0.0000	SURCHARGED
480 minute summer	FC3	280	54.821	0.587	1.3	1.0596	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
480 minute summer	S1	1.003	J1	0.7	0.499	0.060	0.0182
480 minute summer	S2	1.005	J2	3.1	0.749	0.522	0.0179
480 minute summer	S3	1.007	J3	3.8	1.461	0.080	0.0038
480 minute summer	S4	1.000	S5	0.4	0.218	0.063	0.0881
480 minute summer	S5	1.001	FC1	0.7	0.161	0.124	0.0771
480 minute summer	S6	4.000	S7	0.3	0.219	0.049	0.0720
480 minute summer	S7	4.001	FC4	0.6	0.120	0.098	0.0541
480 minute summer	S8	2.000	S9	0.3	0.257	0.028	0.0629
480 minute summer	S9	2.001	FC2	0.6	0.120	0.095	0.0539
480 minute summer	S10	3.000	S11	0.4	0.210	0.058	0.0726
480 minute summer	S11	3.001	FC3	0.7	0.119	0.147	0.0700
480 minute summer	SA1	Infiltration		13.0			
480 minute summer	FC1	1.002	S1	0.7	0.587	0.112	0.0093
480 minute summer	FC2	Orifice	J1	0.7			
480 minute summer	FC3	Orifice	J2	0.8			

Results for 100 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	FC4	272	54.907	0.511	0.9	0.2878	0.0000	SURCHARGED
480 minute summer	J1	288	54.074	0.033	1.4	0.0000	0.0000	OK
480 minute summer	J2	248	53.949	0.054	3.8	0.0000	0.0000	OK
480 minute summer	J3	248	53.804	0.031	4.5	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
480 minute summer	FC4	Orifice	J3	0.7			
480 minute summer	J1	1.004	S2	1.4	0.519	0.237	0.0181
480 minute summer	J2	1.006	S3	3.8	0.934	0.282	0.0120
480 minute summer	J3	1.008	SA1	4.5	1.744	0.094	0.0436

Results for 100 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	S1	296	54.441	0.017	0.7	0.0047	0.0000	OK
480 minute winter	S2	256	54.035	0.048	2.6	0.0260	0.0000	OK
480 minute winter	S3	256	53.907	0.029	3.3	0.0081	0.0000	OK
480 minute winter	S4	296	54.956	0.256	0.3	0.0928	0.0000	SURCHARGED
480 minute winter	S5	296	54.956	0.359	0.6	0.1273	0.0000	SURCHARGED
480 minute winter	S6	296	54.817	0.267	0.2	0.0915	0.0000	SURCHARGED
480 minute winter	S7	296	54.817	0.355	0.4	0.1209	0.0000	SURCHARGED
480 minute winter	S8	288	54.661	0.111	0.2	0.0381	0.0000	SURCHARGED
480 minute winter	S9	288	54.661	0.361	0.4	0.1195	0.0000	SURCHARGED
480 minute winter	S10	296	54.808	0.408	0.3	0.1480	0.0000	SURCHARGED
480 minute winter	S11	296	54.808	0.512	0.6	0.1816	0.0000	SURCHARGED
480 minute winter	SA1	248	53.040	0.040	10.6	2.6784	0.0000	OK
480 minute winter	FC1	296	54.955	0.452	0.9	1.0551	0.0000	SURCHARGED
480 minute winter	FC2	288	54.661	0.427	0.7	0.1541	0.0000	SURCHARGED
480 minute winter	FC3	296	54.807	0.573	1.0	0.8532	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
480 minute winter	S1	1.003	J1	0.7	0.502	0.060	0.0176
480 minute winter	S2	1.005	J2	2.6	0.715	0.429	0.0155
480 minute winter	S3	1.007	J3	3.3	1.397	0.069	0.0034
480 minute winter	S4	1.000	S5	0.3	0.218	0.049	0.0881
480 minute winter	S5	1.001	FC1	0.6	0.161	0.097	0.0771
480 minute winter	S6	4.000	S7	0.2	0.219	0.036	0.0720
480 minute winter	S7	4.001	FC4	0.4	0.120	0.073	0.0541
480 minute winter	S8	2.000	S9	0.2	0.257	0.020	0.0629
480 minute winter	S9	2.001	FC2	0.4	0.120	0.073	0.0539
480 minute winter	S10	3.000	S11	0.3	0.209	0.046	0.0726
480 minute winter	S11	3.001	FC3	0.6	0.122	0.116	0.0700
480 minute winter	SA1	Infiltration		10.5			
480 minute winter	FC1	1.002	S1	0.7	0.587	0.112	0.0093
480 minute winter	FC2	Orifice	J1	0.7			
480 minute winter	FC3	Orifice	J2	0.8			

Results for 100 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	FC4	296	54.816	0.420	0.7	0.1559	0.0000	SURCHARGED
480 minute winter	J1	296	54.073	0.032	1.3	0.0000	0.0000	OK
480 minute winter	J2	256	53.945	0.050	3.3	0.0000	0.0000	OK
480 minute winter	J3	256	53.802	0.029	3.9	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
480 minute winter	FC4	Orifice	J3	0.6			
480 minute winter	J1	1.004	S2	1.3	0.500	0.222	0.0162
480 minute winter	J2	1.006	S3	3.3	0.898	0.242	0.0107
480 minute winter	J3	1.008	SA1	3.9	1.708	0.082	0.0337

Results for 100 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	S1	345	54.441	0.017	0.7	0.0047	0.0000	OK
600 minute summer	S2	315	54.036	0.049	2.7	0.0269	0.0000	OK
600 minute summer	S3	315	53.907	0.029	3.4	0.0083	0.0000	OK
600 minute summer	S4	345	54.951	0.251	0.4	0.0910	0.0000	SURCHARGED
600 minute summer	S5	345	54.951	0.354	0.8	0.1255	0.0000	SURCHARGED
600 minute summer	S6	330	54.880	0.330	0.3	0.1131	0.0000	SURCHARGED
600 minute summer	S7	330	54.880	0.418	0.5	0.1424	0.0000	SURCHARGED
600 minute summer	S8	330	54.736	0.186	0.3	0.0638	0.0000	SURCHARGED
600 minute summer	S9	330	54.736	0.436	0.5	0.1443	0.0000	SURCHARGED
600 minute summer	S10	345	54.802	0.402	0.4	0.1459	0.0000	SURCHARGED
600 minute summer	S11	345	54.802	0.506	0.8	0.1796	0.0000	SURCHARGED
600 minute summer	SA1	315	53.043	0.043	11.3	2.8529	0.0000	OK
600 minute summer	FC1	345	54.950	0.447	1.1	0.9868	0.0000	SURCHARGED
600 minute summer	FC2	330	54.735	0.501	0.8	0.1810	0.0000	SURCHARGED
600 minute summer	FC3	345	54.801	0.567	1.1	0.7660	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
600 minute summer	S1	1.003	J1	0.7	0.504	0.060	0.0179
600 minute summer	S2	1.005	J2	2.7	0.725	0.454	0.0161
600 minute summer	S3	1.007	J3	3.4	1.412	0.072	0.0035
600 minute summer	S4	1.000	S5	0.4	0.218	0.063	0.0881
600 minute summer	S5	1.001	FC1	0.7	0.112	0.123	0.0771
600 minute summer	S6	4.000	S7	0.2	0.216	0.039	0.0720
600 minute summer	S7	4.001	FC4	0.5	0.091	0.077	0.0541
600 minute summer	S8	2.000	S9	0.2	0.256	0.022	0.0629
600 minute summer	S9	2.001	FC2	0.5	0.090	0.079	0.0539
600 minute summer	S10	3.000	S11	0.4	0.208	0.058	0.0726
600 minute summer	S11	3.001	FC3	0.7	0.095	0.149	0.0700
600 minute summer	SA1	Infiltration		11.2			
600 minute summer	FC1	1.002	S1	0.7	0.586	0.111	0.0093
600 minute summer	FC2	Orifice	J1	0.7			
600 minute summer	FC3	Orifice	J2	0.8			

Results for 100 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	FC4	330	54.879	0.483	0.8	0.1793	0.0000	SURCHARGED
600 minute summer	J1	330	54.074	0.033	1.4	0.0000	0.0000	OK
600 minute summer	J2	315	53.946	0.051	3.4	0.0000	0.0000	OK
600 minute summer	J3	315	53.803	0.030	4.1	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
600 minute summer	FC4	Orifice	J3	0.7			
600 minute summer	J1	1.004	S2	1.4	0.510	0.230	0.0169
600 minute summer	J2	1.006	S3	3.4	0.908	0.253	0.0111
600 minute summer	J3	1.008	SA1	4.1	1.716	0.086	0.0361

Results for 100 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	S1	345	54.440	0.016	0.6	0.0047	0.0000	OK
600 minute winter	S2	315	54.032	0.045	2.3	0.0246	0.0000	OK
600 minute winter	S3	315	53.905	0.027	3.0	0.0077	0.0000	OK
600 minute winter	S4	345	54.928	0.228	0.3	0.0828	0.0000	SURCHARGED
600 minute winter	S5	345	54.928	0.331	0.6	0.1174	0.0000	SURCHARGED
600 minute winter	S6	345	54.785	0.235	0.2	0.0805	0.0000	SURCHARGED
600 minute winter	S7	345	54.785	0.323	0.4	0.1100	0.0000	SURCHARGED
600 minute winter	S8	345	54.631	0.081	0.2	0.0279	0.0000	OK
600 minute winter	S9	345	54.631	0.331	0.4	0.1097	0.0000	SURCHARGED
600 minute winter	S10	345	54.775	0.375	0.3	0.1360	0.0000	SURCHARGED
600 minute winter	S11	345	54.774	0.478	0.6	0.1698	0.0000	SURCHARGED
600 minute winter	SA1	315	53.035	0.035	9.1	2.3128	0.0000	OK
600 minute winter	FC1	345	54.927	0.424	0.9	0.6796	0.0000	SURCHARGED
600 minute winter	FC2	345	54.631	0.397	0.6	0.1433	0.0000	SURCHARGED
600 minute winter	FC3	345	54.774	0.540	0.9	0.3496	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
600 minute winter	S1	1.003	J1	0.6	0.471	0.058	0.0172
600 minute winter	S2	1.005	J2	2.3	0.698	0.391	0.0144
600 minute winter	S3	1.007	J3	3.0	1.364	0.063	0.0032
600 minute winter	S4	1.000	S5	0.3	0.218	0.049	0.0881
600 minute winter	S5	1.001	FC1	0.6	0.112	0.096	0.0771
600 minute winter	S6	4.000	S7	0.2	0.216	0.035	0.0720
600 minute winter	S7	4.001	FC4	0.4	0.091	0.070	0.0541
600 minute winter	S8	2.000	S9	0.2	0.256	0.020	0.0589
600 minute winter	S9	2.001	FC2	0.4	0.090	0.071	0.0539
600 minute winter	S10	3.000	S11	0.3	0.208	0.045	0.0726
600 minute winter	S11	3.001	FC3	0.6	0.092	0.116	0.0700
600 minute winter	SA1	Infiltration		9.1			
600 minute winter	FC1	1.002	S1	0.6	0.581	0.108	0.0091
600 minute winter	FC2	Orifice	J1	0.6			
600 minute winter	FC3	Orifice	J2	0.7			

Results for 100 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	FC4	345	54.784	0.388	0.6	0.1440	0.0000	SURCHARGED
600 minute winter	J1	345	54.072	0.031	1.3	0.0000	0.0000	OK
600 minute winter	J2	315	53.943	0.048	3.0	0.0000	0.0000	OK
600 minute winter	J3	315	53.801	0.028	3.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
600 minute winter	FC4	Orifice	J3	0.6			
600 minute winter	J1	1.004	S2	1.3	0.492	0.215	0.0154
600 minute winter	J2	1.006	S3	3.0	0.879	0.223	0.0101
600 minute winter	J3	1.008	SA1	3.6	1.640	0.076	0.0292

Results for 100 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	S1	405	54.440	0.016	0.6	0.0046	0.0000	OK
720 minute summer	S2	375	54.034	0.047	2.5	0.0257	0.0000	OK
720 minute summer	S3	375	53.906	0.028	3.2	0.0080	0.0000	OK
720 minute summer	S4	405	54.920	0.220	0.3	0.0799	0.0000	SURCHARGED
720 minute summer	S5	405	54.920	0.323	0.6	0.1146	0.0000	SURCHARGED
720 minute summer	S6	405	54.769	0.219	0.2	0.0750	0.0000	SURCHARGED
720 minute summer	S7	405	54.768	0.306	0.4	0.1045	0.0000	SURCHARGED
720 minute summer	S8	405	54.619	0.069	0.2	0.0238	0.0000	OK
720 minute summer	S9	405	54.619	0.319	0.4	0.1057	0.0000	SURCHARGED
720 minute summer	S10	405	54.776	0.376	0.3	0.1365	0.0000	SURCHARGED
720 minute summer	S11	405	54.776	0.480	0.6	0.1704	0.0000	SURCHARGED
720 minute summer	SA1	375	53.038	0.038	10.1	2.5490	0.0000	OK
720 minute summer	FC1	405	54.919	0.416	0.9	0.5715	0.0000	SURCHARGED
720 minute summer	FC2	405	54.619	0.385	0.6	0.1390	0.0000	SURCHARGED
720 minute summer	FC3	405	54.776	0.542	0.9	0.3738	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
720 minute summer	S1	1.003	J1	0.6	0.467	0.058	0.0171
720 minute summer	S2	1.005	J2	2.5	0.711	0.421	0.0152
720 minute summer	S3	1.007	J3	3.2	1.391	0.067	0.0034
720 minute summer	S4	1.000	S5	0.3	0.218	0.049	0.0881
720 minute summer	S5	1.001	FC1	0.6	0.112	0.096	0.0771
720 minute summer	S6	4.000	S7	0.2	0.216	0.034	0.0720
720 minute summer	S7	4.001	FC4	0.4	0.091	0.069	0.0541
720 minute summer	S8	2.000	S9	0.2	0.256	0.019	0.0548
720 minute summer	S9	2.001	FC2	0.4	0.090	0.070	0.0539
720 minute summer	S10	3.000	S11	0.3	0.208	0.045	0.0726
720 minute summer	S11	3.001	FC3	0.6	0.092	0.116	0.0700
720 minute summer	SA1	Infiltration		10.0			
720 minute summer	FC1	1.002	S1	0.6	0.580	0.107	0.0090
720 minute summer	FC2	Orifice	J1	0.6			
720 minute summer	FC3	Orifice	J2	0.7			

Results for 100 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	FC4	405	54.768	0.372	0.6	0.1380	0.0000	SURCHARGED
720 minute summer	J1	405	54.072	0.031	1.3	0.0000	0.0000	OK
720 minute summer	J2	375	53.944	0.049	3.2	0.0000	0.0000	OK
720 minute summer	J3	375	53.802	0.029	3.8	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
720 minute summer	FC4	Orifice	J3	0.6			
720 minute summer	J1	1.004	S2	1.3	0.488	0.212	0.0159
720 minute summer	J2	1.006	S3	3.2	0.892	0.236	0.0105
720 minute summer	J3	1.008	SA1	3.8	1.647	0.079	0.0320

Results for 100 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	S1	450	54.440	0.016	0.6	0.0045	0.0000	OK
720 minute winter	S2	405	54.029	0.042	2.0	0.0229	0.0000	OK
720 minute winter	S3	405	53.904	0.026	2.7	0.0073	0.0000	OK
720 minute winter	S4	450	54.865	0.165	0.2	0.0599	0.0000	SURCHARGED
720 minute winter	S5	450	54.865	0.268	0.4	0.0951	0.0000	SURCHARGED
720 minute winter	S6	405	54.710	0.160	0.2	0.0549	0.0000	SURCHARGED
720 minute winter	S7	405	54.710	0.248	0.4	0.0845	0.0000	SURCHARGED
720 minute winter	S8	405	54.567	0.017	0.2	0.0057	0.0000	OK
720 minute winter	S9	405	54.567	0.267	0.4	0.0882	0.0000	SURCHARGED
720 minute winter	S10	405	54.663	0.263	0.2	0.0954	0.0000	SURCHARGED
720 minute winter	S11	405	54.663	0.367	0.4	0.1302	0.0000	SURCHARGED
720 minute winter	SA1	375	53.030	0.030	7.9	2.0158	0.0000	OK
720 minute winter	FC1	450	54.864	0.361	0.6	0.0311	0.0000	SURCHARGED
720 minute winter	FC2	405	54.566	0.332	0.6	0.1199	0.0000	SURCHARGED
720 minute winter	FC3	405	54.662	0.428	0.7	0.1670	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
720 minute winter	S1	1.003	J1	0.6	0.455	0.053	0.0160
720 minute winter	S2	1.005	J2	2.0	0.675	0.344	0.0131
720 minute winter	S3	1.007	J3	2.7	1.317	0.056	0.0030
720 minute winter	S4	1.000	S5	0.2	0.218	0.035	0.0881
720 minute winter	S5	1.001	FC1	0.4	0.112	0.067	0.0771
720 minute winter	S6	4.000	S7	0.2	0.216	0.031	0.0720
720 minute winter	S7	4.001	FC4	0.4	0.091	0.063	0.0541
720 minute winter	S8	2.000	S9	0.2	0.256	0.019	0.0349
720 minute winter	S9	2.001	FC2	0.4	0.090	0.064	0.0539
720 minute winter	S10	3.000	S11	0.2	0.208	0.034	0.0726
720 minute winter	S11	3.001	FC3	0.4	0.092	0.087	0.0700
720 minute winter	SA1	Infiltration		7.9			
720 minute winter	FC1	1.002	S1	0.6	0.567	0.099	0.0086
720 minute winter	FC2	Orifice	J1	0.6			
720 minute winter	FC3	Orifice	J2	0.7			

Results for 100 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	FC4	405	54.710	0.314	0.6	0.1163	0.0000	SURCHARGED
720 minute winter	J1	405	54.071	0.030	1.1	0.0000	0.0000	OK
720 minute winter	J2	405	53.940	0.045	2.7	0.0000	0.0000	OK
720 minute winter	J3	405	53.800	0.027	3.3	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
720 minute winter	FC4	Orifice	J3	0.6			
720 minute winter	J1	1.004	S2	1.1	0.470	0.194	0.0143
720 minute winter	J2	1.006	S3	2.7	0.853	0.198	0.0093
720 minute winter	J3	1.008	SA1	3.3	1.584	0.068	0.0250

Results for 100 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	S1	540	54.439	0.015	0.6	0.0044	0.0000	OK
960 minute summer	S2	495	54.029	0.042	2.0	0.0229	0.0000	OK
960 minute summer	S3	495	53.903	0.025	2.6	0.0072	0.0000	OK
960 minute summer	S4	540	54.840	0.140	0.2	0.0510	0.0000	SURCHARGED
960 minute summer	S5	540	54.840	0.243	0.4	0.0863	0.0000	SURCHARGED
960 minute summer	S6	510	54.671	0.121	0.2	0.0415	0.0000	SURCHARGED
960 minute summer	S7	510	54.671	0.209	0.4	0.0713	0.0000	SURCHARGED
960 minute summer	S8	480	54.560	0.010	0.2	0.0033	0.0000	OK
960 minute summer	S9	510	54.538	0.238	0.4	0.0788	0.0000	SURCHARGED
960 minute summer	S10	525	54.623	0.223	0.2	0.0810	0.0000	SURCHARGED
960 minute summer	S11	525	54.623	0.327	0.4	0.1160	0.0000	SURCHARGED
960 minute summer	SA1	495	53.031	0.031	8.1	2.0547	0.0000	OK
960 minute summer	FC1	540	54.840	0.337	0.6	0.0290	0.0000	SURCHARGED
960 minute summer	FC2	510	54.538	0.304	0.6	0.1096	0.0000	SURCHARGED
960 minute summer	FC3	525	54.622	0.388	0.6	0.1515	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
960 minute summer	S1	1.003	J1	0.6	0.444	0.051	0.0155
960 minute summer	S2	1.005	J2	2.0	0.675	0.343	0.0131
960 minute summer	S3	1.007	J3	2.6	1.315	0.055	0.0029
960 minute summer	S4	1.000	S5	0.2	0.218	0.035	0.0881
960 minute summer	S5	1.001	FC1	0.4	0.112	0.064	0.0771
960 minute summer	S6	4.000	S7	0.2	0.216	0.029	0.0720
960 minute summer	S7	4.001	FC4	0.3	0.091	0.059	0.0541
960 minute summer	S8	2.000	S9	0.2	0.256	0.019	0.0330
960 minute summer	S9	2.001	FC2	0.4	0.090	0.063	0.0539
960 minute summer	S10	3.000	S11	0.2	0.208	0.032	0.0726
960 minute summer	S11	3.001	FC3	0.4	0.092	0.083	0.0700
960 minute summer	SA1	Infiltration		8.1			
960 minute summer	FC1	1.002	S1	0.6	0.561	0.096	0.0084
960 minute summer	FC2	Orifice	J1	0.5			
960 minute summer	FC3	Orifice	J2	0.6			

Results for 100 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	FC4	510	54.671	0.275	0.5	0.1019	0.0000	SURCHARGED
960 minute summer	J1	510	54.070	0.029	1.1	0.0000	0.0000	OK
960 minute summer	J2	495	53.940	0.045	2.6	0.0000	0.0000	OK
960 minute summer	J3	510	53.799	0.026	3.1	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
960 minute summer	FC4	Orifice	J3	0.5			
960 minute summer	J1	1.004	S2	1.1	0.459	0.184	0.0139
960 minute summer	J2	1.006	S3	2.6	0.847	0.193	0.0091
960 minute summer	J3	1.008	SA1	3.1	1.584	0.065	0.0253

Results for 100 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	S1	555	54.440	0.016	0.6	0.0044	0.0000	OK
960 minute winter	S2	540	54.024	0.037	1.7	0.0204	0.0000	OK
960 minute winter	S3	540	53.901	0.023	2.3	0.0066	0.0000	OK
960 minute winter	S4	555	54.856	0.156	0.2	0.0566	0.0000	SURCHARGED
960 minute winter	S5	555	54.856	0.259	0.4	0.0918	0.0000	SURCHARGED
960 minute winter	S6	555	54.562	0.012	0.1	0.0042	0.0000	OK
960 minute winter	S7	555	54.562	0.100	0.2	0.0342	0.0000	SURCHARGED
960 minute winter	S8	315	54.557	0.007	0.1	0.0024	0.0000	OK
960 minute winter	S9	555	54.401	0.101	0.2	0.0335	0.0000	SURCHARGED
960 minute winter	S10	555	54.581	0.181	0.2	0.0656	0.0000	SURCHARGED
960 minute winter	S11	555	54.580	0.284	0.4	0.1010	0.0000	SURCHARGED
960 minute winter	SA1	510	53.024	0.024	6.3	1.6039	0.0000	OK
960 minute winter	FC1	555	54.855	0.352	0.6	0.0303	0.0000	SURCHARGED
960 minute winter	FC2	555	54.401	0.167	0.4	0.0603	0.0000	SURCHARGED
960 minute winter	FC3	555	54.580	0.346	0.6	0.1349	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
960 minute winter	S1	1.003	J1	0.6	0.468	0.053	0.0148
960 minute winter	S2	1.005	J2	1.7	0.640	0.281	0.0113
960 minute winter	S3	1.007	J3	2.3	1.260	0.047	0.0026
960 minute winter	S4	1.000	S5	0.2	0.218	0.035	0.0881
960 minute winter	S5	1.001	FC1	0.4	0.112	0.066	0.0771
960 minute winter	S6	4.000	S7	0.1	0.216	0.017	0.0385
960 minute winter	S7	4.001	FC4	0.2	0.091	0.042	0.0541
960 minute winter	S8	2.000	S9	0.1	0.256	0.009	0.0324
960 minute winter	S9	2.001	FC2	0.2	0.090	0.042	0.0539
960 minute winter	S10	3.000	S11	0.2	0.208	0.030	0.0726
960 minute winter	S11	3.001	FC3	0.4	0.092	0.078	0.0700
960 minute winter	SA1	Infiltration		6.3			
960 minute winter	FC1	1.002	S1	0.6	0.565	0.098	0.0085
960 minute winter	FC2	Orifice	J1	0.4			
960 minute winter	FC3	Orifice	J2	0.6			

Results for 100 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	FC4	555	54.562	0.166	0.4	0.0616	0.0000	SURCHARGED
960 minute winter	J1	555	54.069	0.028	1.0	0.0000	0.0000	OK
960 minute winter	J2	540	53.936	0.041	2.3	0.0000	0.0000	OK
960 minute winter	J3	540	53.797	0.024	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
960 minute winter	FC4	Orifice	J3	0.4			
960 minute winter	J1	1.004	S2	1.0	0.456	0.166	0.0124
960 minute winter	J2	1.006	S3	2.3	0.813	0.165	0.0081
960 minute winter	J3	1.008	SA1	2.6	1.567	0.056	0.0198

Results for 100 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	S1	750	54.438	0.014	0.5	0.0041	0.0000	OK
1440 minute summer	S2	750	54.023	0.036	1.6	0.0197	0.0000	OK
1440 minute summer	S3	750	53.900	0.022	2.1	0.0063	0.0000	OK
1440 minute summer	S4	750	54.757	0.057	0.2	0.0209	0.0000	OK
1440 minute summer	S5	750	54.757	0.160	0.4	0.0570	0.0000	SURCHARGED
1440 minute summer	S6	630	54.559	0.009	0.1	0.0031	0.0000	OK
1440 minute summer	S7	750	54.544	0.082	0.2	0.0281	0.0000	OK
1440 minute summer	S8	630	54.557	0.007	0.1	0.0024	0.0000	OK
1440 minute summer	S9	750	54.383	0.083	0.2	0.0275	0.0000	OK
1440 minute summer	S10	750	54.495	0.095	0.2	0.0346	0.0000	OK
1440 minute summer	S11	750	54.495	0.199	0.4	0.0707	0.0000	SURCHARGED
1440 minute summer	SA1	750	53.023	0.023	5.9	1.5041	0.0000	OK
1440 minute summer	FC1	750	54.757	0.254	0.5	0.0219	0.0000	SURCHARGED
1440 minute summer	FC2	750	54.383	0.149	0.4	0.0538	0.0000	SURCHARGED
1440 minute summer	FC3	750	54.495	0.261	0.5	0.1017	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
1440 minute summer	S1	1.003	J1	0.5	0.435	0.044	0.0134
1440 minute summer	S2	1.005	J2	1.6	0.629	0.262	0.0107
1440 minute summer	S3	1.007	J3	2.1	1.230	0.043	0.0024
1440 minute summer	S4	1.000	S5	0.2	0.218	0.034	0.0703
1440 minute summer	S5	1.001	FC1	0.3	0.079	0.055	0.0771
1440 minute summer	S6	4.000	S7	0.1	0.218	0.017	0.0334
1440 minute summer	S7	4.001	FC4	0.2	0.069	0.040	0.0509
1440 minute summer	S8	2.000	S9	0.1	0.255	0.009	0.0289
1440 minute summer	S9	2.001	FC2	0.2	0.068	0.039	0.0508
1440 minute summer	S10	3.000	S11	0.2	0.209	0.026	0.0720
1440 minute summer	S11	3.001	FC3	0.3	0.069	0.067	0.0700
1440 minute summer	SA1	Infiltration		5.9			
1440 minute summer	FC1	1.002	S1	0.5	0.537	0.082	0.0075
1440 minute summer	FC2	Orifice	J1	0.4			
1440 minute summer	FC3	Orifice	J2	0.5			

Results for 100 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	FC4	750	54.544	0.148	0.4	0.0551	0.0000	SURCHARGED
1440 minute summer	J1	750	54.067	0.026	0.9	0.0000	0.0000	OK
1440 minute summer	J2	750	53.934	0.039	2.1	0.0000	0.0000	OK
1440 minute summer	J3	750	53.796	0.023	2.4	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
1440 minute summer	FC4	Orifice	J3	0.4			
1440 minute summer	J1	1.004	S2	0.9	0.423	0.146	0.0117
1440 minute summer	J2	1.006	S3	2.1	0.794	0.152	0.0076
1440 minute summer	J3	1.008	SA1	2.4	1.522	0.051	0.0185

Results for 100 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	S1	690	54.435	0.011	0.3	0.0032	0.0000	OK
1440 minute winter	S2	810	54.017	0.030	1.1	0.0163	0.0000	OK
1440 minute winter	S3	780	53.897	0.019	1.5	0.0053	0.0000	OK
1440 minute winter	S4	510	54.709	0.009	0.1	0.0033	0.0000	OK
1440 minute winter	S5	510	54.610	0.013	0.2	0.0045	0.0000	OK
1440 minute winter	S6	570	54.559	0.009	0.1	0.0031	0.0000	OK
1440 minute winter	S7	930	54.495	0.033	0.2	0.0113	0.0000	OK
1440 minute winter	S8	570	54.557	0.007	0.1	0.0024	0.0000	OK
1440 minute winter	S9	930	54.333	0.033	0.2	0.0110	0.0000	OK
1440 minute winter	S10	510	54.409	0.009	0.1	0.0032	0.0000	OK
1440 minute winter	S11	780	54.399	0.103	0.2	0.0366	0.0000	SURCHARGED
1440 minute winter	SA1	750	53.017	0.017	4.4	1.1164	0.0000	OK
1440 minute winter	FC1	690	54.607	0.104	0.3	0.0090	0.0000	SURCHARGED
1440 minute winter	FC2	930	54.333	0.099	0.3	0.0358	0.0000	OK
1440 minute winter	FC3	780	54.399	0.165	0.4	0.0643	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
1440 minute winter	S1	1.003	J1	0.3	0.427	0.027	0.0101
1440 minute winter	S2	1.005	J2	1.1	0.572	0.185	0.0083
1440 minute winter	S3	1.007	J3	1.5	1.097	0.031	0.0020
1440 minute winter	S4	1.000	S5	0.1	0.218	0.017	0.0052
1440 minute winter	S5	1.001	FC1	0.2	0.079	0.034	0.0414
1440 minute winter	S6	4.000	S7	0.1	0.218	0.017	0.0121
1440 minute winter	S7	4.001	FC4	0.2	0.069	0.034	0.0349
1440 minute winter	S8	2.000	S9	0.1	0.255	0.009	0.0101
1440 minute winter	S9	2.001	FC2	0.2	0.068	0.034	0.0347
1440 minute winter	S10	3.000	S11	0.1	0.209	0.016	0.0379
1440 minute winter	S11	3.001	FC3	0.2	0.069	0.048	0.0700
1440 minute winter	SA1	Infiltration		4.4			
1440 minute winter	FC1	1.002	S1	0.3	0.463	0.051	0.0054
1440 minute winter	FC2	Orifice	J1	0.3			
1440 minute winter	FC3	Orifice	J2	0.4			

Results for 100 year +45% CC 1440 minute winter. 1680 minute analysis at 30 minute timestep. Mass balance: 100.00%

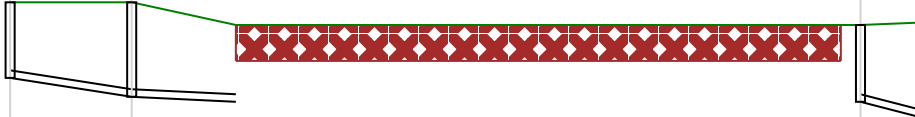
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute winter	FC4	930	54.495	0.099	0.3	0.0368	0.0000	OK
1440 minute winter	J1	900	54.063	0.022	0.6	0.0000	0.0000	OK
1440 minute winter	J2	780	53.929	0.034	1.5	0.0000	0.0000	OK
1440 minute winter	J3	780	53.794	0.021	1.8	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
1440 minute winter	FC4	Orifice	J3	0.3			
1440 minute winter	J1	1.004	S2	0.6	0.411	0.102	0.0090
1440 minute winter	J2	1.006	S3	1.5	0.728	0.110	0.0060
1440 minute winter	J3	1.008	SA1	1.8	1.534	0.038	0.0137

Node Name	S4		S5	FC1	S1	J1	S2	J2	S3	J3					
A4 drawing Hor Scale 500 Ver Scale 100 Datum (m) 49.000															
	1.000		1.001	1.002	1.003	1.004	1.005	1.006	1.007	1.008					
	100mm		100mm	100mm	100mm	100mm	100mm	150mm	150mm	150mm					
	109.3		104.9	103.8	30.5	104.6	103.0	168.1	168.1	168.1					
	55.700		55.700	55.430	55.350	55.280	55.200	55.175	55.150	55.140					
Invert Level (m)	54.700	54.597	54.597	54.503	54.503	54.424	54.041	54.041	53.987	53.987	53.945	53.895	53.878	53.878	53.878
Length (m)	11.258		9.857	8.200	11.688	5.648	4.326	2.871	1.100	1.100	1.100	1.100	1.100	1.100	



Node Name	J3	SA1	
A4 drawing Hor Scale 500 Ver Scale 100 Datum (m) 48.000			
Link Name	1.008		
Section Type	150mm		
Slope (1:X)	14.1		
Cover Level (m)	55.140	54.000	
Invert Level (m)	53.773	53.000	
Length (m)	10.861		

Node Name	S8	S9	FC2	J1
A4 drawing Hor Scale 500 Ver Scale 100 Datum (m) 49.000				
	Link Name	2.000	2.001	2.002
	Section Type	100mm	100mm	100mm
	Slope (1:X)	32.2	104.3	19.4
	Cover Level (m)	55.550	55.550	55.250
Invert Level (m)	54.550	54.300	54.234	54.041
Length (m)	8.039	6.886	3.740	

Node Name	S10	S11	FC3	J2
A4 drawing Hor Scale 500 Ver Scale 100 Datum (m) 49.000				
	Link Name	3.000	3.001	3.002
	Section Type	100mm	100mm	100mm
	Slope (1:X)	89.3	144.3	13.4
	Cover Level (m)	55.400	55.400	55.165
Invert Level (m)		54.400	54.296	54.234
Length (m)		9.283	8.948	3.883

Node Name	S6	S7	FC4	J3
A4 drawing Hor Scale 500 Ver Scale 100 Datum (m) 49.000 				
Link Name	4.000	4.001	4.002	
Section Type	100mm	100mm	100mm	
Slope (1:X)	104.6	104.8	104.5	
Cover Level (m)	55.550	55.500	55.300	55.140
Invert Level (m)	54.550	54.462	54.396	54.298
Length (m)	9.203	6.918	10.245	