

Design Settings

Rainfall Methodology	FSR	Maximum Time of Concentration (mins)	30.00
Return Period (years)	100	Maximum Rainfall (mm/hr)	50.0
Additional Flow (%)	40	Minimum Velocity (m/s)	1.00
FSR Region	England and Wales	Connection Type	Level Soffits
M5-60 (mm)	20.000	Minimum Backdrop Height (m)	0.200
Ratio-R	0.400	Preferred Cover Depth (m)	0.600
CV	0.750	Include Intermediate Ground	✓
Time of Entry (mins)	5.00	Enforce best practice design rules	✓

Nodes

Name	Area (ha)	T of E (mins)	Cover Level (m)	Diameter (mm)	Depth (m)
S1	0.009	5.00	188.000	450	0.700
S2	0.009	5.00	188.000	450	0.974
S3	0.009	5.00	187.850	450	1.226
S4	0.022	5.00	187.850	450	1.437
S5			187.500	450	1.246
S7			187.000	450	0.915
TANK 1			186.850	450	1.321
S8	0.030	5.00	187.500	450	1.300
S9	0.012	5.00	187.000	450	0.964
TANK 2			187.000	450	1.470
S10	0.012	5.00	187.000	450	1.238
S11	0.012	5.00	187.000	450	1.470
TANK 3			187.000	450	1.483
S12	0.017	5.00	188.000	450	2.310

Links (Input)

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)
S1.000	S1	S2	16.280	0.600	187.300	187.026	0.274	59.4	100	5.27	50.0
S1.001	S2	S3	23.890	0.600	187.026	186.624	0.402	59.4	100	5.67	50.0
S1.002	S3	S4	16.160	0.600	186.624	186.463	0.161	100.4	100	6.02	50.0
S1.003	S4	S5	16.000	0.600	186.413	186.254	0.159	100.6	150	6.29	50.0
S1.004	S5	S7	17.040	0.600	186.254	186.085	0.169	100.8	150	6.57	50.0
S1.005	S7	TANK 1	56.030	0.600	186.085	185.529	0.556	100.8	150	7.50	50.0
S2.000	S8	S9	16.500	0.600	186.200	186.036	0.164	100.6	150	5.27	50.0
S2.001	S9	TANK 2	50.970	0.600	186.036	185.530	0.506	100.7	150	6.12	50.0
S3.000	S10	S11	22.000	0.600	185.762	185.542	0.220	100.0	150	5.36	50.0
S3.001	S11	TANK 3	1.300	0.600	185.530	185.517	0.013	100.0	150	5.39	50.0
S4.000	S12	S11	16.000	0.600	185.690	185.530	0.160	100.0	150	5.27	50.0

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)
S1.000	16.280	59.4	100	Circular	188.000	187.300	0.600	188.000	187.026	0.874
S1.001	23.890	59.4	100	Circular	188.000	187.026	0.874	187.850	186.624	1.126
S1.002	16.160	100.4	100	Circular	187.850	186.624	1.126	187.850	186.463	1.287
S1.003	16.000	100.6	150	Circular	187.850	186.413	1.287	187.500	186.254	1.096
S1.004	17.040	100.8	150	Circular	187.500	186.254	1.096	187.000	186.085	0.765
S1.005	56.030	100.8	150	Circular	187.000	186.085	0.765	186.850	185.529	1.171
S2.000	16.500	100.6	150	Circular	187.500	186.200	1.150	187.000	186.036	0.814
S2.001	50.970	100.7	150	Circular	187.000	186.036	0.814	187.000	185.530	1.320
S3.000	22.000	100.0	150	Circular	187.000	185.762	1.088	187.000	185.542	1.308
S3.001	1.300	100.0	150	Circular	187.000	185.530	1.320	187.000	185.517	1.333
S4.000	16.000	100.0	150	Circular	188.000	185.690	2.160	187.000	185.530	1.320

Link	US Node	Dia (mm)	Node Type	MH Type	DS Node	Dia (mm)	Node Type	MH Type
S1.000	S1	450	Manhole	Adoptable	S2	450	Manhole	Adoptable
S1.001	S2	450	Manhole	Adoptable	S3	450	Manhole	Adoptable
S1.002	S3	450	Manhole	Adoptable	S4	450	Manhole	Adoptable
S1.003	S4	450	Manhole	Adoptable	S5	450	Manhole	Adoptable
S1.004	S5	450	Manhole	Adoptable	S7	450	Manhole	Adoptable
S1.005	S7	450	Manhole	Adoptable	TANK 1	450	Manhole	Adoptable
S2.000	S8	450	Manhole	Adoptable	S9	450	Manhole	Adoptable
S2.001	S9	450	Manhole	Adoptable	TANK 2	450	Manhole	Adoptable
S3.000	S10	450	Manhole	Adoptable	S11	450	Manhole	Adoptable
S3.001	S11	450	Manhole	Adoptable	TANK 3	450	Manhole	Adoptable
S4.000	S12	450	Manhole	Adoptable	S11	450	Manhole	Adoptable

Manhole Schedule

Node	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)
S1	188.000	0.700	450				
				0	S1.000	187.300	100
S2	188.000	0.974	450				
				1	S1.000	187.026	100
				0	S1.001	187.026	100
S3	187.850	1.226	450				
				1	S1.001	186.624	100
				0	S1.002	186.624	100
S4	187.850	1.437	450				
				1	S1.002	186.463	100
				0	S1.003	186.413	150

Manhole Schedule

Node	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)
S5	187.500	1.246	450	1	S1.003	186.254	150
				0	S1.004	186.254	150
S7	187.000	0.915	450	1	S1.004	186.085	150
				0	S1.005	186.085	150
TANK 1	186.850	1.321	450	1	S1.005	185.529	150
S8	187.500	1.300	450	0	S2.000	186.200	150
S9	187.000	0.964	450	1	S2.000	186.036	150
				0	S2.001	186.036	150
TANK 2	187.000	1.470	450	1	S2.001	185.530	150
S10	187.000	1.238	450	0	S3.000	185.762	150
S11	187.000	1.470	450	1	S4.000	185.530	150
				2	S3.000	185.542	150
				0	S3.001	185.530	150
TANK 3	187.000	1.483	450	1	S3.001	185.517	150
S12	188.000	2.310	450	0	S4.000	185.690	150

Simulation Settings

Rainfall Methodology	FSR	Analysis Speed	Normal
FSR Region	England and Wales	Skip Steady State	x
M5-60 (mm)	20.000	Drain Down Time (mins)	240
Ratio-R	0.400	Additional Storage (m³/ha)	20.0
Summer CV	0.750	Check Discharge Rate(s)	x
Winter CV	0.840	Check Discharge Volume	x

Storm Durations

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

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

Results for 100 year +40% CC Critical Storm Duration. Lowest mass balance: 99.91%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	S1	13	187.767	0.466	5.7	0.1941	0.0000	FLOOD RISK
15 minute winter	S2	13	187.710	0.684	9.9	0.2354	0.0000	FLOOD RISK
15 minute winter	S3	13	187.382	0.758	11.5	0.2319	0.0000	SURCHARGED
15 minute winter	S4	12	186.857	0.444	22.7	0.2064	0.0000	SURCHARGED
15 minute winter	S5	13	186.588	0.334	21.4	0.0531	0.0000	SURCHARGED
15 minute winter	S7	13	186.330	0.245	20.4	0.0390	0.0000	SURCHARGED
15 minute winter	TANK 1	13	185.658	0.128	19.8	0.0000	0.0000	OK
15 minute winter	S8	12	186.635	0.435	18.9	0.2703	0.0000	SURCHARGED
15 minute winter	S9	12	186.478	0.442	23.8	0.1802	0.0000	SURCHARGED
15 minute winter	TANK 2	12	185.664	0.134	22.4	0.0000	0.0000	OK
15 minute winter	S10	10	185.829	0.067	7.5	0.0238	0.0000	OK
15 minute winter	S11	11	185.739	0.209	25.1	0.0674	0.0000	SURCHARGED
15 minute winter	TANK 3	11	185.656	0.139	24.8	0.0000	0.0000	OK
15 minute winter	S12	11	185.786	0.096	10.7	0.0294	0.0000	OK
Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute winter	S1	S1.000	S2	4.6	0.728	0.590	0.1274	
15 minute winter	S2	S1.001	S3	7.0	0.894	0.889	0.1869	
15 minute winter	S3	S1.002	S4	10.6	1.351	1.754	0.1264	
15 minute winter	S4	S1.003	S5	21.4	1.215	1.208	0.2817	
15 minute winter	S5	S1.004	S7	20.4	1.158	1.153	0.3000	
15 minute winter	S7	S1.005	TANK 1	19.8	1.141	1.117	0.9432	14.2
15 minute winter	S8	S2.000	S9	16.6	0.951	0.936	0.2905	
15 minute winter	S9	S2.001	TANK 2	22.4	1.272	1.265	0.8727	12.1
15 minute winter	S10	S3.000	S11	7.4	0.506	0.417	0.2780	
15 minute winter	S11	S3.001	TANK 3	24.8	1.411	1.399	0.0225	11.9
15 minute winter	S12	S4.000	S11	10.4	0.636	0.583	0.2363	

Results for 100 year +40% CC 15 minute summer. 255 minute analysis at 1 minute timestep. Mass balance: 99.91%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	S1	13	187.664	0.364	5.4	0.1513	0.0000	SURCHARGED
15 minute summer	S2	13	187.609	0.583	10.0	0.2006	0.0000	SURCHARGED
15 minute summer	S3	12	187.306	0.682	11.3	0.2087	0.0000	SURCHARGED
15 minute summer	S4	12	186.803	0.390	22.0	0.1814	0.0000	SURCHARGED
15 minute summer	S5	12	186.548	0.294	21.0	0.0467	0.0000	SURCHARGED
15 minute summer	S7	13	186.298	0.213	19.9	0.0338	0.0000	SURCHARGED
15 minute summer	TANK 1	13	185.656	0.127	19.3	0.0000	0.0000	OK
15 minute summer	S8	11	186.564	0.363	17.9	0.2257	0.0000	SURCHARGED
15 minute summer	S9	12	186.411	0.375	23.0	0.1529	0.0000	SURCHARGED
15 minute summer	TANK 2	12	185.663	0.133	21.6	0.0000	0.0000	OK
15 minute summer	S10	10	185.828	0.066	7.2	0.0232	0.0000	OK
15 minute summer	S11	10	185.733	0.202	24.1	0.0652	0.0000	SURCHARGED
15 minute summer	TANK 3	11	185.654	0.137	23.8	0.0000	0.0000	OK
15 minute summer	S12	11	185.776	0.086	10.2	0.0264	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	S1	S1.000	S2	4.9	0.764	0.625	0.1274	
15 minute summer	S2	S1.001	S3	6.8	0.912	0.870	0.1869	
15 minute summer	S3	S1.002	S4	10.4	1.323	1.718	0.1264	
15 minute summer	S4	S1.003	S5	21.0	1.191	1.185	0.2817	
15 minute summer	S5	S1.004	S7	19.9	1.133	1.128	0.3000	
15 minute summer	S7	S1.005	TANK 1	19.3	1.145	1.092	0.9396	12.7
15 minute summer	S8	S2.000	S9	16.0	0.956	0.905	0.2905	
15 minute summer	S9	S2.001	TANK 2	21.6	1.230	1.223	0.8694	10.9
15 minute summer	S10	S3.000	S11	7.1	0.489	0.401	0.2755	
15 minute summer	S11	S3.001	TANK 3	23.8	1.353	1.341	0.0224	10.6
15 minute summer	S12	S4.000	S11	9.9	0.630	0.559	0.2246	

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

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	S1	13	187.767	0.466	5.7	0.1941	0.0000	FLOOD RISK
15 minute winter	S2	13	187.710	0.684	9.9	0.2354	0.0000	FLOOD RISK
15 minute winter	S3	13	187.382	0.758	11.5	0.2319	0.0000	SURCHARGED
15 minute winter	S4	12	186.857	0.444	22.7	0.2064	0.0000	SURCHARGED
15 minute winter	S5	13	186.588	0.334	21.4	0.0531	0.0000	SURCHARGED
15 minute winter	S7	13	186.330	0.245	20.4	0.0390	0.0000	SURCHARGED
15 minute winter	TANK 1	13	185.658	0.128	19.8	0.0000	0.0000	OK
15 minute winter	S8	12	186.635	0.435	18.9	0.2703	0.0000	SURCHARGED
15 minute winter	S9	12	186.478	0.442	23.8	0.1802	0.0000	SURCHARGED
15 minute winter	TANK 2	12	185.664	0.134	22.4	0.0000	0.0000	OK
15 minute winter	S10	10	185.829	0.067	7.5	0.0238	0.0000	OK
15 minute winter	S11	11	185.739	0.209	25.1	0.0674	0.0000	SURCHARGED
15 minute winter	TANK 3	11	185.656	0.139	24.8	0.0000	0.0000	OK
15 minute winter	S12	11	185.786	0.096	10.7	0.0294	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute winter	S1	S1.000	S2	4.6	0.728	0.590	0.1274	
15 minute winter	S2	S1.001	S3	7.0	0.894	0.889	0.1869	
15 minute winter	S3	S1.002	S4	10.6	1.351	1.754	0.1264	
15 minute winter	S4	S1.003	S5	21.4	1.215	1.208	0.2817	
15 minute winter	S5	S1.004	S7	20.4	1.158	1.153	0.3000	
15 minute winter	S7	S1.005	TANK 1	19.8	1.141	1.117	0.9432	14.2
15 minute winter	S8	S2.000	S9	16.6	0.951	0.936	0.2905	
15 minute winter	S9	S2.001	TANK 2	22.4	1.272	1.265	0.8727	12.1
15 minute winter	S10	S3.000	S11	7.4	0.506	0.417	0.2780	
15 minute winter	S11	S3.001	TANK 3	24.8	1.411	1.399	0.0225	11.9
15 minute winter	S12	S4.000	S11	10.4	0.636	0.583	0.2363	

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

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	S1	20	187.580	0.280	4.8	0.1165	0.0000	SURCHARGED
30 minute summer	S2	20	187.529	0.503	9.1	0.1729	0.0000	SURCHARGED
30 minute summer	S3	20	187.230	0.606	10.7	0.1854	0.0000	SURCHARGED
30 minute summer	S4	19	186.733	0.320	20.9	0.1486	0.0000	SURCHARGED
30 minute summer	S5	20	186.500	0.246	20.0	0.0392	0.0000	SURCHARGED
30 minute summer	S7	20	186.261	0.176	19.5	0.0279	0.0000	SURCHARGED
30 minute summer	TANK 1	20	185.655	0.126	18.8	0.0000	0.0000	OK
30 minute summer	S8	19	186.460	0.260	16.2	0.1615	0.0000	SURCHARGED
30 minute summer	S9	19	186.321	0.285	21.5	0.1163	0.0000	SURCHARGED
30 minute summer	TANK 2	19	185.660	0.130	20.4	0.0000	0.0000	OK
30 minute summer	S10	18	185.825	0.063	6.5	0.0221	0.0000	OK
30 minute summer	S11	18	185.721	0.191	22.2	0.0615	0.0000	SURCHARGED
30 minute summer	TANK 3	18	185.651	0.134	22.2	0.0000	0.0000	OK
30 minute summer	S12	18	185.766	0.076	9.2	0.0234	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute summer	S1	S1.000	S2	4.3	0.730	0.548	0.1274	
30 minute summer	S2	S1.001	S3	6.7	0.854	0.850	0.1869	
30 minute summer	S3	S1.002	S4	10.1	1.294	1.681	0.1264	
30 minute summer	S4	S1.003	S5	20.0	1.134	1.128	0.2817	
30 minute summer	S5	S1.004	S7	19.5	1.119	1.101	0.3000	
30 minute summer	S7	S1.005	TANK 1	18.8	1.133	1.061	0.9353	16.6
30 minute summer	S8	S2.000	S9	15.0	0.942	0.848	0.2905	
30 minute summer	S9	S2.001	TANK 2	20.4	1.165	1.156	0.8627	14.3
30 minute summer	S10	S3.000	S11	6.5	0.465	0.366	0.2702	
30 minute summer	S11	S3.001	TANK 3	22.2	1.261	1.249	0.0222	13.9
30 minute summer	S12	S4.000	S11	9.2	0.606	0.518	0.2129	

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

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute winter	S1	21	187.551	0.251	4.4	0.1042	0.0000	SURCHARGED
30 minute winter	S2	21	187.497	0.470	8.4	0.1618	0.0000	SURCHARGED
30 minute winter	S3	20	187.185	0.561	10.4	0.1717	0.0000	SURCHARGED
30 minute winter	S4	20	186.690	0.277	19.9	0.1289	0.0000	SURCHARGED
30 minute winter	S5	20	186.465	0.211	19.3	0.0336	0.0000	SURCHARGED
30 minute winter	S7	21	186.245	0.160	19.0	0.0254	0.0000	SURCHARGED
30 minute winter	TANK 1	19	185.654	0.125	18.5	0.0000	0.0000	OK
30 minute winter	S8	19	186.345	0.145	14.6	0.0901	0.0000	OK
30 minute winter	S9	19	186.232	0.196	20.3	0.0798	0.0000	SURCHARGED
30 minute winter	TANK 2	19	185.657	0.127	19.1	0.0000	0.0000	OK
30 minute winter	S10	18	185.821	0.059	5.8	0.0208	0.0000	OK
30 minute winter	S11	18	185.705	0.175	19.9	0.0563	0.0000	SURCHARGED
30 minute winter	TANK 3	18	185.646	0.129	19.9	0.0000	0.0000	OK
30 minute winter	S12	18	185.762	0.072	8.3	0.0220	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute winter	S1	S1.000	S2	4.0	0.712	0.511	0.1274	
30 minute winter	S2	S1.001	S3	6.6	0.848	0.844	0.1869	
30 minute winter	S3	S1.002	S4	10.1	1.294	1.680	0.1264	
30 minute winter	S4	S1.003	S5	19.3	1.095	1.089	0.2817	
30 minute winter	S5	S1.004	S7	19.0	1.105	1.074	0.3000	
30 minute winter	S7	S1.005	TANK 1	18.5	1.137	1.043	0.9323	18.7
30 minute winter	S8	S2.000	S9	14.5	0.921	0.821	0.2891	
30 minute winter	S9	S2.001	TANK 2	19.1	1.132	1.080	0.8533	16.0
30 minute winter	S10	S3.000	S11	5.8	0.455	0.327	0.2641	
30 minute winter	S11	S3.001	TANK 3	19.9	1.135	1.120	0.0219	15.6
30 minute winter	S12	S4.000	S11	8.3	0.557	0.468	0.2075	

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

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute summer	S1	33	187.348	0.048	3.6	0.0198	0.0000	OK
60 minute summer	S2	35	187.260	0.234	7.2	0.0805	0.0000	SURCHARGED
60 minute summer	S3	35	186.976	0.352	9.6	0.1077	0.0000	SURCHARGED
60 minute summer	S4	34	186.552	0.139	17.6	0.0646	0.0000	OK
60 minute summer	S5	34	186.389	0.135	17.5	0.0215	0.0000	OK
60 minute summer	S7	35	186.210	0.125	17.5	0.0198	0.0000	OK
60 minute summer	TANK 1	35	185.651	0.122	17.4	0.0000	0.0000	OK
60 minute summer	S8	32	186.294	0.094	12.0	0.0586	0.0000	OK
60 minute summer	S9	33	186.156	0.120	16.8	0.0489	0.0000	OK
60 minute summer	TANK 2	33	185.646	0.116	16.7	0.0000	0.0000	OK
60 minute summer	S10	33	185.815	0.053	4.8	0.0188	0.0000	OK
60 minute summer	S11	33	185.671	0.141	16.4	0.0455	0.0000	OK
60 minute summer	TANK 3	33	185.630	0.112	16.3	0.0000	0.0000	OK
60 minute summer	S12	33	185.754	0.064	6.8	0.0196	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute summer	S1	S1.000	S2	3.6	0.706	0.458	0.0935	
60 minute summer	S2	S1.001	S3	6.2	0.827	0.785	0.1869	
60 minute summer	S3	S1.002	S4	9.2	1.179	1.530	0.1245	
60 minute summer	S4	S1.003	S5	17.5	1.063	0.990	0.2700	
60 minute summer	S5	S1.004	S7	17.5	1.099	0.989	0.2751	
60 minute summer	S7	S1.005	TANK 1	17.4	1.135	0.985	0.8669	20.9
60 minute summer	S8	S2.000	S9	12.0	0.899	0.679	0.2206	
60 minute summer	S9	S2.001	TANK 2	16.7	1.130	0.946	0.7558	17.8
60 minute summer	S10	S3.000	S11	4.8	0.451	0.270	0.2389	
60 minute summer	S11	S3.001	TANK 3	16.3	1.025	0.917	0.0204	17.4
60 minute summer	S12	S4.000	S11	6.8	0.549	0.383	0.1951	

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

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	S1	34	187.342	0.042	2.9	0.0175	0.0000	OK
60 minute winter	S2	35	187.097	0.071	5.8	0.0244	0.0000	OK
60 minute winter	S3	35	186.893	0.269	8.6	0.0823	0.0000	SURCHARGED
60 minute winter	S4	34	186.530	0.117	15.3	0.0542	0.0000	OK
60 minute winter	S5	34	186.370	0.116	15.3	0.0184	0.0000	OK
60 minute winter	S7	35	186.195	0.110	15.3	0.0175	0.0000	OK
60 minute winter	TANK 1	35	185.636	0.107	15.3	0.0000	0.0000	OK
60 minute winter	S8	32	186.283	0.083	9.7	0.0513	0.0000	OK
60 minute winter	S9	33	186.137	0.101	13.6	0.0411	0.0000	OK
60 minute winter	TANK 2	33	185.628	0.098	13.6	0.0000	0.0000	OK
60 minute winter	S10	33	185.810	0.048	3.9	0.0168	0.0000	OK
60 minute winter	S11	33	185.646	0.116	13.3	0.0373	0.0000	OK
60 minute winter	TANK 3	33	185.613	0.096	13.3	0.0000	0.0000	OK
60 minute winter	S12	33	185.747	0.057	5.5	0.0175	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute winter	S1	S1.000	S2	2.9	0.691	0.369	0.0733	
60 minute winter	S2	S1.001	S3	5.7	0.791	0.725	0.1645	
60 minute winter	S3	S1.002	S4	8.4	1.076	1.396	0.1235	
60 minute winter	S4	S1.003	S5	15.3	1.050	0.867	0.2340	
60 minute winter	S5	S1.004	S7	15.3	1.080	0.867	0.2421	
60 minute winter	S7	S1.005	TANK 1	15.3	1.120	0.866	0.7660	23.3
60 minute winter	S8	S2.000	S9	9.7	0.863	0.548	0.1856	
60 minute winter	S9	S2.001	TANK 2	13.6	1.097	0.768	0.6316	20.0
60 minute winter	S10	S3.000	S11	3.9	0.439	0.220	0.1958	
60 minute winter	S11	S3.001	TANK 3	13.3	0.998	0.748	0.0173	19.5
60 minute winter	S12	S4.000	S11	5.5	0.525	0.310	0.1660	

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

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute summer	S1	64	187.337	0.037	2.3	0.0154	0.0000	OK
120 minute summer	S2	64	187.081	0.055	4.6	0.0189	0.0000	OK
120 minute summer	S3	64	186.753	0.129	6.9	0.0393	0.0000	SURCHARGED
120 minute summer	S4	64	186.511	0.098	12.4	0.0455	0.0000	OK
120 minute summer	S5	64	186.351	0.097	12.4	0.0155	0.0000	OK
120 minute summer	S7	64	186.178	0.093	12.3	0.0148	0.0000	OK
120 minute summer	TANK 1	64	185.620	0.091	12.2	0.0000	0.0000	OK
120 minute summer	S8	64	186.271	0.071	7.7	0.0442	0.0000	OK
120 minute summer	S9	64	186.122	0.086	10.8	0.0351	0.0000	OK
120 minute summer	TANK 2	64	185.614	0.084	10.8	0.0000	0.0000	OK
120 minute summer	S10	64	185.804	0.042	3.1	0.0149	0.0000	OK
120 minute summer	S11	64	185.629	0.099	10.6	0.0320	0.0000	OK
120 minute summer	TANK 3	64	185.600	0.083	10.6	0.0000	0.0000	OK
120 minute summer	S12	64	185.741	0.051	4.4	0.0155	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute summer	S1	S1.000	S2	2.3	0.655	0.293	0.0574	
120 minute summer	S2	S1.001	S3	4.6	0.721	0.585	0.1461	
120 minute summer	S3	S1.002	S4	6.7	0.863	1.109	0.1195	
120 minute summer	S4	S1.003	S5	12.4	1.018	0.698	0.1941	
120 minute summer	S5	S1.004	S7	12.3	1.043	0.696	0.2010	
120 minute summer	S7	S1.005	TANK 1	12.2	1.075	0.689	0.6361	25.0
120 minute summer	S8	S2.000	S9	7.7	0.826	0.435	0.1542	
120 minute summer	S9	S2.001	TANK 2	10.8	1.046	0.611	0.5264	21.6
120 minute summer	S10	S3.000	S11	3.1	0.427	0.175	0.1620	
120 minute summer	S11	S3.001	TANK 3	10.6	0.945	0.597	0.0146	21.1
120 minute summer	S12	S4.000	S11	4.4	0.502	0.248	0.1410	

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

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute winter	S1	64	187.333	0.033	1.8	0.0136	0.0000	OK
120 minute winter	S2	66	187.074	0.048	3.6	0.0164	0.0000	OK
120 minute winter	S3	66	186.702	0.078	5.4	0.0237	0.0000	OK
120 minute winter	S4	64	186.497	0.084	9.8	0.0389	0.0000	OK
120 minute winter	S5	64	186.338	0.083	9.8	0.0133	0.0000	OK
120 minute winter	S7	64	186.166	0.081	9.8	0.0129	0.0000	OK
120 minute winter	TANK 1	64	185.608	0.079	9.8	0.0000	0.0000	OK
120 minute winter	S8	64	186.261	0.061	6.0	0.0381	0.0000	OK
120 minute winter	S9	64	186.110	0.074	8.4	0.0301	0.0000	OK
120 minute winter	TANK 2	64	185.603	0.073	8.4	0.0000	0.0000	OK
120 minute winter	S10	64	185.799	0.037	2.4	0.0131	0.0000	OK
120 minute winter	S11	64	185.615	0.085	8.2	0.0273	0.0000	OK
120 minute winter	TANK 3	64	185.588	0.071	8.2	0.0000	0.0000	OK
120 minute winter	S12	64	185.734	0.044	3.4	0.0136	0.0000	OK
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute winter	S1	S1.000	S2	1.8	0.616	0.229	0.0478	
120 minute winter	S2	S1.001	S3	3.6	0.704	0.458	0.1217	
120 minute winter	S3	S1.002	S4	5.4	0.850	0.896	0.1026	
120 minute winter	S4	S1.003	S5	9.8	0.973	0.554	0.1612	
120 minute winter	S5	S1.004	S7	9.8	0.993	0.554	0.1682	
120 minute winter	S7	S1.005	TANK 1	9.8	1.023	0.554	0.5364	28.1
120 minute winter	S8	S2.000	S9	6.0	0.781	0.339	0.1269	
120 minute winter	S9	S2.001	TANK 2	8.4	0.985	0.475	0.4346	24.1
120 minute winter	S10	S3.000	S11	2.4	0.411	0.135	0.1305	
120 minute winter	S11	S3.001	TANK 3	8.2	0.885	0.462	0.0120	23.4
120 minute winter	S12	S4.000	S11	3.4	0.470	0.192	0.1169	

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

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute summer	S1	96	187.332	0.032	1.7	0.0132	0.0000	OK
180 minute summer	S2	96	187.072	0.046	3.4	0.0158	0.0000	OK
180 minute summer	S3	96	186.698	0.074	5.1	0.0226	0.0000	OK
180 minute summer	S4	96	186.494	0.081	9.3	0.0376	0.0000	OK
180 minute summer	S5	96	186.335	0.081	9.3	0.0128	0.0000	OK
180 minute summer	S7	96	186.163	0.078	9.3	0.0124	0.0000	OK
180 minute summer	TANK 1	96	185.606	0.077	9.3	0.0000	0.0000	OK
180 minute summer	S8	96	186.260	0.059	5.7	0.0369	0.0000	OK
180 minute summer	S9	96	186.108	0.072	8.0	0.0292	0.0000	OK
180 minute summer	TANK 2	96	185.601	0.071	8.0	0.0000	0.0000	OK
180 minute summer	S10	96	185.798	0.036	2.3	0.0129	0.0000	OK
180 minute summer	S11	96	185.612	0.082	7.8	0.0265	0.0000	OK
180 minute summer	TANK 3	96	185.586	0.069	7.8	0.0000	0.0000	OK
180 minute summer	S12	96	185.733	0.043	3.2	0.0132	0.0000	OK
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute summer	S1	S1.000	S2	1.7	0.607	0.216	0.0459	
180 minute summer	S2	S1.001	S3	3.4	0.701	0.433	0.1159	
180 minute summer	S3	S1.002	S4	5.1	0.844	0.846	0.0976	
180 minute summer	S4	S1.003	S5	9.3	0.962	0.525	0.1546	
180 minute summer	S5	S1.004	S7	9.3	0.981	0.526	0.1615	
180 minute summer	S7	S1.005	TANK 1	9.3	1.011	0.526	0.5154	28.0
180 minute summer	S8	S2.000	S9	5.7	0.773	0.322	0.1222	
180 minute summer	S9	S2.001	TANK 2	8.0	0.973	0.452	0.4190	23.6
180 minute summer	S10	S3.000	S11	2.3	0.412	0.130	0.1253	
180 minute summer	S11	S3.001	TANK 3	7.8	0.874	0.439	0.0116	22.9
180 minute summer	S12	S4.000	S11	3.2	0.462	0.180	0.1124	

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

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute winter	S1	92	187.328	0.028	1.3	0.0115	0.0000	OK
180 minute winter	S2	96	187.066	0.040	2.6	0.0136	0.0000	OK
180 minute winter	S3	96	186.685	0.061	3.9	0.0185	0.0000	OK
180 minute winter	S4	96	186.482	0.069	7.1	0.0319	0.0000	OK
180 minute winter	S5	96	186.323	0.069	7.1	0.0109	0.0000	OK
180 minute winter	S7	96	186.152	0.067	7.1	0.0106	0.0000	OK
180 minute winter	TANK 1	96	185.595	0.066	7.1	0.0000	0.0000	OK
180 minute winter	S8	96	186.251	0.051	4.4	0.0319	0.0000	OK
180 minute winter	S9	96	186.098	0.062	6.2	0.0253	0.0000	OK
180 minute winter	TANK 2	96	185.591	0.061	6.2	0.0000	0.0000	OK
180 minute winter	S10	96	185.794	0.032	1.8	0.0114	0.0000	OK
180 minute winter	S11	96	185.601	0.071	6.1	0.0229	0.0000	OK
180 minute winter	TANK 3	96	185.578	0.060	6.1	0.0000	0.0000	OK
180 minute winter	S12	96	185.728	0.038	2.5	0.0116	0.0000	OK
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute winter	S1	S1.000	S2	1.3	0.564	0.165	0.0377	
180 minute winter	S2	S1.001	S3	2.6	0.664	0.331	0.0937	
180 minute winter	S3	S1.002	S4	3.9	0.803	0.647	0.0785	
180 minute winter	S4	S1.003	S5	7.1	0.906	0.401	0.1255	
180 minute winter	S5	S1.004	S7	7.1	0.921	0.402	0.1314	
180 minute winter	S7	S1.005	TANK 1	7.1	0.945	0.402	0.4210	30.8
180 minute winter	S8	S2.000	S9	4.4	0.723	0.249	0.1006	
180 minute winter	S9	S2.001	TANK 2	6.2	0.911	0.351	0.3468	26.6
180 minute winter	S10	S3.000	S11	1.8	0.398	0.101	0.1014	
180 minute winter	S11	S3.001	TANK 3	6.1	0.821	0.344	0.0097	25.7
180 minute winter	S12	S4.000	S11	2.5	0.433	0.141	0.0938	

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

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute summer	S1	124	187.329	0.029	1.4	0.0119	0.0000	OK
240 minute summer	S2	124	187.067	0.041	2.8	0.0141	0.0000	OK
240 minute summer	S3	124	186.687	0.063	4.2	0.0193	0.0000	OK
240 minute summer	S4	124	186.484	0.071	7.6	0.0332	0.0000	OK
240 minute summer	S5	124	186.325	0.071	7.6	0.0113	0.0000	OK
240 minute summer	S7	124	186.154	0.069	7.6	0.0110	0.0000	OK
240 minute summer	TANK 1	124	185.597	0.068	7.5	0.0000	0.0000	OK
240 minute summer	S8	124	186.253	0.053	4.7	0.0331	0.0000	OK
240 minute summer	S9	124	186.100	0.064	6.6	0.0260	0.0000	OK
240 minute summer	TANK 2	124	185.593	0.063	6.5	0.0000	0.0000	OK
240 minute summer	S10	124	185.795	0.033	1.9	0.0117	0.0000	OK
240 minute summer	S11	124	185.603	0.073	6.5	0.0236	0.0000	OK
240 minute summer	TANK 3	124	185.579	0.062	6.4	0.0000	0.0000	OK
240 minute summer	S12	124	185.729	0.039	2.7	0.0121	0.0000	OK
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute summer	S1	S1.000	S2	1.4	0.576	0.177	0.0396	
240 minute summer	S2	S1.001	S3	2.8	0.674	0.353	0.0982	
240 minute summer	S3	S1.002	S4	4.1	0.812	0.684	0.0821	
240 minute summer	S4	S1.003	S5	7.6	0.920	0.429	0.1321	
240 minute summer	S5	S1.004	S7	7.6	0.937	0.427	0.1375	
240 minute summer	S7	S1.005	TANK 1	7.5	0.957	0.423	0.4382	29.1
240 minute summer	S8	S2.000	S9	4.7	0.736	0.265	0.1051	
240 minute summer	S9	S2.001	TANK 2	6.5	0.923	0.369	0.3604	25.2
240 minute summer	S10	S3.000	S11	1.9	0.399	0.107	0.1062	
240 minute summer	S11	S3.001	TANK 3	6.4	0.832	0.362	0.0101	24.9
240 minute summer	S12	S4.000	S11	2.7	0.444	0.151	0.0980	

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

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute winter	S1	124	187.325	0.025	1.1	0.0105	0.0000	OK
240 minute winter	S2	124	187.062	0.036	2.2	0.0124	0.0000	OK
240 minute winter	S3	124	186.678	0.054	3.3	0.0164	0.0000	OK
240 minute winter	S4	124	186.474	0.061	5.8	0.0284	0.0000	OK
240 minute winter	S5	124	186.315	0.061	5.8	0.0097	0.0000	OK
240 minute winter	S7	128	186.144	0.059	5.8	0.0094	0.0000	OK
240 minute winter	TANK 1	128	185.588	0.059	5.8	0.0000	0.0000	OK
240 minute winter	S8	124	186.245	0.045	3.5	0.0282	0.0000	OK
240 minute winter	S9	128	186.091	0.054	4.9	0.0222	0.0000	OK
240 minute winter	TANK 2	128	185.584	0.054	4.9	0.0000	0.0000	OK
240 minute winter	S10	128	185.791	0.028	1.4	0.0100	0.0000	OK
240 minute winter	S11	128	185.592	0.062	4.8	0.0200	0.0000	OK
240 minute winter	TANK 3	128	185.570	0.053	4.8	0.0000	0.0000	OK
240 minute winter	S12	124	185.724	0.034	2.0	0.0104	0.0000	OK
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute winter	S1	S1.000	S2	1.1	0.539	0.139	0.0332	
240 minute winter	S2	S1.001	S3	2.2	0.639	0.276	0.0813	
240 minute winter	S3	S1.002	S4	3.2	0.769	0.535	0.0677	
240 minute winter	S4	S1.003	S5	5.8	0.863	0.328	0.1076	
240 minute winter	S5	S1.004	S7	5.8	0.876	0.327	0.1124	
240 minute winter	S7	S1.005	TANK 1	5.8	0.895	0.326	0.3608	33.0
240 minute winter	S8	S2.000	S9	3.5	0.684	0.198	0.0846	
240 minute winter	S9	S2.001	TANK 2	4.9	0.856	0.277	0.2918	28.3
240 minute winter	S10	S3.000	S11	1.4	0.382	0.079	0.0821	
240 minute winter	S11	S3.001	TANK 3	4.8	0.771	0.270	0.0081	27.6
240 minute winter	S12	S4.000	S11	2.0	0.413	0.113	0.0789	

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

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute summer	S1	184	187.325	0.025	1.1	0.0105	0.0000	OK
360 minute summer	S2	184	187.062	0.036	2.2	0.0124	0.0000	OK
360 minute summer	S3	184	186.678	0.054	3.3	0.0164	0.0000	OK
360 minute summer	S4	184	186.474	0.061	5.8	0.0284	0.0000	OK
360 minute summer	S5	184	186.315	0.061	5.8	0.0097	0.0000	OK
360 minute summer	S7	184	186.144	0.059	5.8	0.0094	0.0000	OK
360 minute summer	TANK 1	184	185.587	0.058	5.7	0.0000	0.0000	OK
360 minute summer	S8	184	186.245	0.045	3.5	0.0281	0.0000	OK
360 minute summer	S9	184	186.090	0.054	4.9	0.0221	0.0000	OK
360 minute summer	TANK 2	184	185.584	0.054	4.8	0.0000	0.0000	OK
360 minute summer	S10	184	185.790	0.028	1.4	0.0100	0.0000	OK
360 minute summer	S11	184	185.592	0.062	4.8	0.0199	0.0000	OK
360 minute summer	TANK 3	184	185.570	0.053	4.7	0.0000	0.0000	OK
360 minute summer	S12	184	185.724	0.034	2.0	0.0104	0.0000	OK
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute summer	S1	S1.000	S2	1.1	0.539	0.139	0.0332	
360 minute summer	S2	S1.001	S3	2.2	0.639	0.276	0.0813	
360 minute summer	S3	S1.002	S4	3.2	0.769	0.534	0.0677	
360 minute summer	S4	S1.003	S5	5.8	0.863	0.327	0.1074	
360 minute summer	S5	S1.004	S7	5.8	0.876	0.325	0.1119	
360 minute summer	S7	S1.005	TANK 1	5.7	0.890	0.321	0.3572	31.5
360 minute summer	S8	S2.000	S9	3.5	0.684	0.197	0.0842	
360 minute summer	S9	S2.001	TANK 2	4.8	0.853	0.274	0.2895	27.2
360 minute summer	S10	S3.000	S11	1.4	0.383	0.078	0.0813	
360 minute summer	S11	S3.001	TANK 3	4.7	0.768	0.267	0.0080	26.4
360 minute summer	S12	S4.000	S11	2.0	0.413	0.112	0.0783	

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

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute winter	S1	184	187.322	0.022	0.8	0.0090	0.0000	OK
360 minute winter	S2	184	187.057	0.031	1.6	0.0105	0.0000	OK
360 minute winter	S3	184	186.669	0.045	2.4	0.0138	0.0000	OK
360 minute winter	S4	184	186.465	0.052	4.3	0.0240	0.0000	OK
360 minute winter	S5	184	186.306	0.052	4.3	0.0082	0.0000	OK
360 minute winter	S7	184	186.136	0.051	4.3	0.0081	0.0000	OK
360 minute winter	TANK 1	184	185.579	0.050	4.3	0.0000	0.0000	OK
360 minute winter	S8	184	186.239	0.039	2.6	0.0241	0.0000	OK
360 minute winter	S9	184	186.082	0.046	3.6	0.0188	0.0000	OK
360 minute winter	TANK 2	184	185.576	0.046	3.6	0.0000	0.0000	OK
360 minute winter	S10	184	185.786	0.024	1.0	0.0085	0.0000	OK
360 minute winter	S11	184	185.582	0.052	3.5	0.0167	0.0000	OK
360 minute winter	TANK 3	184	185.562	0.045	3.5	0.0000	0.0000	OK
360 minute winter	S12	184	185.719	0.029	1.5	0.0090	0.0000	OK
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute winter	S1	S1.000	S2	0.8	0.493	0.102	0.0266	
360 minute winter	S2	S1.001	S3	1.6	0.591	0.204	0.0650	
360 minute winter	S3	S1.002	S4	2.4	0.716	0.398	0.0542	
360 minute winter	S4	S1.003	S5	4.3	0.800	0.243	0.0860	
360 minute winter	S5	S1.004	S7	4.3	0.810	0.243	0.0903	
360 minute winter	S7	S1.005	TANK 1	4.3	0.825	0.242	0.2910	35.6
360 minute winter	S8	S2.000	S9	2.6	0.634	0.147	0.0677	
360 minute winter	S9	S2.001	TANK 2	3.6	0.785	0.203	0.2329	31.0
360 minute winter	S10	S3.000	S11	1.0	0.371	0.056	0.0615	
360 minute winter	S11	S3.001	TANK 3	3.5	0.709	0.197	0.0064	29.9
360 minute winter	S12	S4.000	S11	1.5	0.388	0.084	0.0628	

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

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute summer	S1	248	187.322	0.022	0.8	0.0090	0.0000	OK
480 minute summer	S2	248	187.057	0.031	1.6	0.0105	0.0000	OK
480 minute summer	S3	248	186.669	0.045	2.4	0.0138	0.0000	OK
480 minute summer	S4	248	186.465	0.052	4.4	0.0243	0.0000	OK
480 minute summer	S5	248	186.306	0.052	4.4	0.0083	0.0000	OK
480 minute summer	S7	248	186.136	0.051	4.4	0.0082	0.0000	OK
480 minute summer	TANK 1	248	185.580	0.051	4.4	0.0000	0.0000	OK
480 minute summer	S8	248	186.240	0.040	2.7	0.0246	0.0000	OK
480 minute summer	S9	248	186.084	0.048	3.8	0.0194	0.0000	OK
480 minute summer	TANK 2	248	185.577	0.047	3.8	0.0000	0.0000	OK
480 minute summer	S10	248	185.787	0.025	1.1	0.0089	0.0000	OK
480 minute summer	S11	248	185.585	0.054	3.8	0.0175	0.0000	OK
480 minute summer	TANK 3	248	185.564	0.047	3.8	0.0000	0.0000	OK
480 minute summer	S12	248	185.720	0.030	1.6	0.0093	0.0000	OK
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute summer	S1	S1.000	S2	0.8	0.493	0.102	0.0266	
480 minute summer	S2	S1.001	S3	1.6	0.591	0.204	0.0650	
480 minute summer	S3	S1.002	S4	2.4	0.716	0.398	0.0542	
480 minute summer	S4	S1.003	S5	4.4	0.805	0.249	0.0875	
480 minute summer	S5	S1.004	S7	4.4	0.815	0.249	0.0920	
480 minute summer	S7	S1.005	TANK 1	4.4	0.831	0.249	0.2966	34.6
480 minute summer	S8	S2.000	S9	2.7	0.638	0.153	0.0701	
480 minute summer	S9	S2.001	TANK 2	3.8	0.798	0.215	0.2428	29.3
480 minute summer	S10	S3.000	S11	1.1	0.370	0.062	0.0666	
480 minute summer	S11	S3.001	TANK 3	3.8	0.725	0.214	0.0068	28.4
480 minute summer	S12	S4.000	S11	1.6	0.392	0.090	0.0666	

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

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute winter	S1	232	187.319	0.019	0.6	0.0078	0.0000	OK
480 minute winter	S2	232	187.052	0.026	1.2	0.0091	0.0000	OK
480 minute winter	S3	240	186.662	0.038	1.8	0.0117	0.0000	OK
480 minute winter	S4	240	186.458	0.045	3.3	0.0209	0.0000	OK
480 minute winter	S5	240	186.299	0.045	3.3	0.0071	0.0000	OK
480 minute winter	S7	240	186.129	0.044	3.3	0.0070	0.0000	OK
480 minute winter	TANK 1	240	185.573	0.044	3.3	0.0000	0.0000	OK
480 minute winter	S8	240	186.234	0.034	2.0	0.0211	0.0000	OK
480 minute winter	S9	248	186.077	0.041	2.8	0.0166	0.0000	OK
480 minute winter	TANK 2	240	185.570	0.040	2.8	0.0000	0.0000	OK
480 minute winter	S10	232	185.784	0.022	0.8	0.0077	0.0000	OK
480 minute winter	S11	248	185.576	0.046	2.8	0.0148	0.0000	OK
480 minute winter	TANK 3	248	185.557	0.040	2.8	0.0000	0.0000	OK
480 minute winter	S12	248	185.716	0.026	1.2	0.0081	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute winter	S1	S1.000	S2	0.6	0.454	0.076	0.0217	
480 minute winter	S2	S1.001	S3	1.2	0.548	0.153	0.0526	
480 minute winter	S3	S1.002	S4	1.8	0.664	0.299	0.0438	
480 minute winter	S4	S1.003	S5	3.3	0.747	0.186	0.0707	
480 minute winter	S5	S1.004	S7	3.3	0.755	0.187	0.0745	
480 minute winter	S7	S1.005	TANK 1	3.3	0.768	0.187	0.2409	37.9
480 minute winter	S8	S2.000	S9	2.0	0.587	0.113	0.0564	
480 minute winter	S9	S2.001	TANK 2	2.8	0.733	0.158	0.1948	32.8
480 minute winter	S10	S3.000	S11	0.8	0.364	0.045	0.0502	
480 minute winter	S11	S3.001	TANK 3	2.8	0.669	0.158	0.0054	31.7
480 minute winter	S12	S4.000	S11	1.2	0.367	0.068	0.0533	

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

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute summer	S1	315	187.320	0.020	0.7	0.0084	0.0000	OK
600 minute summer	S2	315	187.055	0.029	1.4	0.0098	0.0000	OK
600 minute summer	S3	315	186.666	0.042	2.1	0.0127	0.0000	OK
600 minute summer	S4	315	186.461	0.048	3.7	0.0222	0.0000	OK
600 minute summer	S5	315	186.302	0.048	3.7	0.0076	0.0000	OK
600 minute summer	S7	315	186.132	0.047	3.7	0.0075	0.0000	OK
600 minute summer	TANK 1	315	185.576	0.046	3.7	0.0000	0.0000	OK
600 minute summer	S8	315	186.236	0.036	2.2	0.0221	0.0000	OK
600 minute summer	S9	315	186.079	0.043	3.1	0.0175	0.0000	OK
600 minute summer	TANK 2	315	185.572	0.042	3.1	0.0000	0.0000	OK
600 minute summer	S10	315	185.785	0.023	0.9	0.0081	0.0000	OK
600 minute summer	S11	315	185.579	0.049	3.1	0.0157	0.0000	OK
600 minute summer	TANK 3	315	185.559	0.042	3.1	0.0000	0.0000	OK
600 minute summer	S12	315	185.718	0.027	1.3	0.0084	0.0000	OK
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute summer	S1	S1.000	S2	0.7	0.475	0.089	0.0242	
600 minute summer	S2	S1.001	S3	1.4	0.571	0.178	0.0589	
600 minute summer	S3	S1.002	S4	2.1	0.691	0.349	0.0491	
600 minute summer	S4	S1.003	S5	3.7	0.769	0.209	0.0770	
600 minute summer	S5	S1.004	S7	3.7	0.778	0.209	0.0810	
600 minute summer	S7	S1.005	TANK 1	3.7	0.793	0.209	0.2616	36.9
600 minute summer	S8	S2.000	S9	2.2	0.602	0.124	0.0605	
600 minute summer	S9	S2.001	TANK 2	3.1	0.754	0.175	0.2095	30.2
600 minute summer	S10	S3.000	S11	0.9	0.364	0.051	0.0553	
600 minute summer	S11	S3.001	TANK 3	3.1	0.688	0.175	0.0059	29.3
600 minute summer	S12	S4.000	S11	1.3	0.371	0.073	0.0572	

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

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute winter	S1	300	187.317	0.017	0.5	0.0071	0.0000	OK
600 minute winter	S2	300	187.050	0.024	1.0	0.0083	0.0000	OK
600 minute winter	S3	300	186.659	0.035	1.5	0.0106	0.0000	OK
600 minute winter	S4	300	186.453	0.040	2.7	0.0188	0.0000	OK
600 minute winter	S5	300	186.294	0.040	2.7	0.0064	0.0000	OK
600 minute winter	S7	300	186.125	0.040	2.7	0.0063	0.0000	OK
600 minute winter	TANK 1	300	185.569	0.040	2.7	0.0000	0.0000	OK
600 minute winter	S8	315	186.231	0.031	1.7	0.0195	0.0000	OK
600 minute winter	S9	315	186.074	0.038	2.4	0.0153	0.0000	OK
600 minute winter	TANK 2	315	185.567	0.037	2.4	0.0000	0.0000	OK
600 minute winter	S10	315	185.782	0.020	0.7	0.0072	0.0000	OK
600 minute winter	S11	315	185.572	0.042	2.4	0.0136	0.0000	OK
600 minute winter	TANK 3	315	185.554	0.037	2.4	0.0000	0.0000	OK
600 minute winter	S12	315	185.714	0.024	1.0	0.0074	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute winter	S1	S1.000	S2	0.5	0.430	0.064	0.0191	
600 minute winter	S2	S1.001	S3	1.0	0.522	0.127	0.0461	
600 minute winter	S3	S1.002	S4	1.5	0.632	0.249	0.0383	
600 minute winter	S4	S1.003	S5	2.7	0.708	0.153	0.0611	
600 minute winter	S5	S1.004	S7	2.7	0.714	0.153	0.0644	
600 minute winter	S7	S1.005	TANK 1	2.7	0.725	0.153	0.2086	39.2
600 minute winter	S8	S2.000	S9	1.7	0.558	0.096	0.0504	
600 minute winter	S9	S2.001	TANK 2	2.4	0.701	0.136	0.1745	34.2
600 minute winter	S10	S3.000	S11	0.7	0.361	0.039	0.0437	
600 minute winter	S11	S3.001	TANK 3	2.4	0.643	0.135	0.0049	33.3
600 minute winter	S12	S4.000	S11	1.0	0.346	0.056	0.0473	

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

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute summer	S1	375	187.319	0.019	0.6	0.0078	0.0000	OK
720 minute summer	S2	375	187.052	0.026	1.2	0.0091	0.0000	OK
720 minute summer	S3	375	186.662	0.038	1.8	0.0117	0.0000	OK
720 minute summer	S4	375	186.457	0.044	3.2	0.0205	0.0000	OK
720 minute summer	S5	375	186.298	0.044	3.2	0.0070	0.0000	OK
720 minute summer	S7	375	186.129	0.043	3.2	0.0069	0.0000	OK
720 minute summer	TANK 1	375	185.572	0.043	3.2	0.0000	0.0000	OK
720 minute summer	S8	375	186.234	0.034	2.0	0.0211	0.0000	OK
720 minute summer	S9	375	186.077	0.041	2.8	0.0166	0.0000	OK
720 minute summer	TANK 2	375	185.570	0.040	2.8	0.0000	0.0000	OK
720 minute summer	S10	375	185.784	0.022	0.8	0.0077	0.0000	OK
720 minute summer	S11	375	185.575	0.045	2.7	0.0145	0.0000	OK
720 minute summer	TANK 3	375	185.557	0.039	2.7	0.0000	0.0000	OK
720 minute summer	S12	375	185.715	0.025	1.1	0.0077	0.0000	OK
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute summer	S1	S1.000	S2	0.6	0.454	0.076	0.0217	
720 minute summer	S2	S1.001	S3	1.2	0.548	0.153	0.0526	
720 minute summer	S3	S1.002	S4	1.8	0.664	0.299	0.0438	
720 minute summer	S4	S1.003	S5	3.2	0.741	0.181	0.0691	
720 minute summer	S5	S1.004	S7	3.2	0.748	0.181	0.0729	
720 minute summer	S7	S1.005	TANK 1	3.2	0.761	0.181	0.2356	38.9
720 minute summer	S8	S2.000	S9	2.0	0.587	0.113	0.0564	
720 minute summer	S9	S2.001	TANK 2	2.8	0.733	0.158	0.1948	32.2
720 minute summer	S10	S3.000	S11	0.8	0.367	0.045	0.0490	
720 minute summer	S11	S3.001	TANK 3	2.7	0.663	0.152	0.0053	31.1
720 minute summer	S12	S4.000	S11	1.1	0.350	0.062	0.0514	

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

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute winter	S1	330	187.315	0.015	0.4	0.0064	0.0000	OK
720 minute winter	S2	330	187.048	0.022	0.8	0.0074	0.0000	OK
720 minute winter	S3	330	186.655	0.031	1.2	0.0094	0.0000	OK
720 minute winter	S4	375	186.450	0.037	2.3	0.0173	0.0000	OK
720 minute winter	S5	375	186.291	0.037	2.3	0.0059	0.0000	OK
720 minute winter	S7	375	186.122	0.037	2.3	0.0058	0.0000	OK
720 minute winter	TANK 1	375	185.566	0.036	2.3	0.0000	0.0000	OK
720 minute winter	S8	375	186.230	0.029	1.5	0.0183	0.0000	OK
720 minute winter	S9	375	186.071	0.035	2.1	0.0143	0.0000	OK
720 minute winter	TANK 2	375	185.565	0.035	2.1	0.0000	0.0000	OK
720 minute winter	S10	360	185.781	0.019	0.6	0.0067	0.0000	OK
720 minute winter	S11	360	185.568	0.038	2.0	0.0124	0.0000	OK
720 minute winter	TANK 3	360	185.551	0.034	2.0	0.0000	0.0000	OK
720 minute winter	S12	345	185.712	0.022	0.8	0.0066	0.0000	OK
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute winter	S1	S1.000	S2	0.4	0.403	0.051	0.0163	
720 minute winter	S2	S1.001	S3	0.8	0.491	0.102	0.0392	
720 minute winter	S3	S1.002	S4	1.2	0.595	0.199	0.0326	
720 minute winter	S4	S1.003	S5	2.3	0.677	0.130	0.0543	
720 minute winter	S5	S1.004	S7	2.3	0.683	0.130	0.0574	
720 minute winter	S7	S1.005	TANK 1	2.3	0.693	0.130	0.1860	42.0
720 minute winter	S8	S2.000	S9	1.5	0.540	0.085	0.0459	
720 minute winter	S9	S2.001	TANK 2	2.1	0.675	0.119	0.1586	35.7
720 minute winter	S10	S3.000	S11	0.6	0.361	0.034	0.0370	
720 minute winter	S11	S3.001	TANK 3	2.0	0.613	0.113	0.0043	34.4
720 minute winter	S12	S4.000	S11	0.8	0.336	0.045	0.0410	

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

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute summer	S1	495	187.317	0.017	0.5	0.0071	0.0000	OK
960 minute summer	S2	495	187.050	0.024	1.0	0.0083	0.0000	OK
960 minute summer	S3	495	186.659	0.035	1.5	0.0106	0.0000	OK
960 minute summer	S4	495	186.453	0.040	2.7	0.0188	0.0000	OK
960 minute summer	S5	495	186.294	0.040	2.7	0.0064	0.0000	OK
960 minute summer	S7	495	186.125	0.040	2.7	0.0063	0.0000	OK
960 minute summer	TANK 1	495	185.569	0.040	2.7	0.0000	0.0000	OK
960 minute summer	S8	495	186.230	0.030	1.6	0.0189	0.0000	OK
960 minute summer	S9	495	186.072	0.036	2.2	0.0147	0.0000	OK
960 minute summer	TANK 2	495	185.566	0.036	2.2	0.0000	0.0000	OK
960 minute summer	S10	480	185.781	0.019	0.6	0.0067	0.0000	OK
960 minute summer	S11	495	185.569	0.039	2.1	0.0127	0.0000	OK
960 minute summer	TANK 3	495	185.552	0.035	2.1	0.0000	0.0000	OK
960 minute summer	S12	495	185.713	0.023	0.9	0.0070	0.0000	OK
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute summer	S1	S1.000	S2	0.5	0.430	0.064	0.0191	
960 minute summer	S2	S1.001	S3	1.0	0.522	0.127	0.0461	
960 minute summer	S3	S1.002	S4	1.5	0.632	0.249	0.0383	
960 minute summer	S4	S1.003	S5	2.7	0.708	0.153	0.0611	
960 minute summer	S5	S1.004	S7	2.7	0.714	0.153	0.0644	
960 minute summer	S7	S1.005	TANK 1	2.7	0.725	0.153	0.2086	39.2
960 minute summer	S8	S2.000	S9	1.6	0.555	0.090	0.0477	
960 minute summer	S9	S2.001	TANK 2	2.2	0.684	0.124	0.1640	35.0
960 minute summer	S10	S3.000	S11	0.6	0.364	0.034	0.0383	
960 minute summer	S11	S3.001	TANK 3	2.1	0.620	0.118	0.0044	34.7
960 minute summer	S12	S4.000	S11	0.9	0.340	0.051	0.0431	

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

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute winter	S1	495	187.315	0.015	0.4	0.0064	0.0000	OK
960 minute winter	S2	495	187.048	0.022	0.8	0.0074	0.0000	OK
960 minute winter	S3	495	186.655	0.031	1.2	0.0094	0.0000	OK
960 minute winter	S4	495	186.449	0.035	2.1	0.0165	0.0000	OK
960 minute winter	S5	495	186.290	0.036	2.1	0.0056	0.0000	OK
960 minute winter	S7	495	186.120	0.035	2.1	0.0056	0.0000	OK
960 minute winter	TANK 1	495	185.564	0.035	2.1	0.0000	0.0000	OK
960 minute winter	S8	480	186.227	0.026	1.2	0.0164	0.0000	OK
960 minute winter	S9	480	186.068	0.032	1.7	0.0129	0.0000	OK
960 minute winter	TANK 2	480	185.561	0.031	1.7	0.0000	0.0000	OK
960 minute winter	S10	480	185.779	0.017	0.5	0.0061	0.0000	OK
960 minute winter	S11	480	185.565	0.035	1.7	0.0113	0.0000	OK
960 minute winter	TANK 3	480	185.548	0.031	1.7	0.0000	0.0000	OK
960 minute winter	S12	480	185.710	0.020	0.7	0.0062	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute winter	S1	S1.000	S2	0.4	0.403	0.051	0.0163	
960 minute winter	S2	S1.001	S3	0.8	0.491	0.102	0.0392	
960 minute winter	S3	S1.002	S4	1.2	0.595	0.199	0.0326	
960 minute winter	S4	S1.003	S5	2.1	0.661	0.119	0.0509	
960 minute winter	S5	S1.004	S7	2.1	0.666	0.119	0.0537	
960 minute winter	S7	S1.005	TANK 1	2.1	0.675	0.119	0.1743	46.8
960 minute winter	S8	S2.000	S9	1.2	0.504	0.068	0.0394	
960 minute winter	S9	S2.001	TANK 2	1.7	0.635	0.096	0.1365	38.2
960 minute winter	S10	S3.000	S11	0.5	0.363	0.028	0.0314	
960 minute winter	S11	S3.001	TANK 3	1.7	0.587	0.096	0.0038	37.6
960 minute winter	S12	S4.000	S11	0.7	0.313	0.039	0.0366	

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

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute summer	S1	720	187.313	0.013	0.3	0.0056	0.0000	OK
1440 minute summer	S2	720	187.045	0.019	0.6	0.0064	0.0000	OK
1440 minute summer	S3	720	186.651	0.026	0.9	0.0081	0.0000	OK
1440 minute summer	S4	750	186.445	0.032	1.7	0.0148	0.0000	OK
1440 minute summer	S5	750	186.286	0.032	1.7	0.0051	0.0000	OK
1440 minute summer	S7	750	186.117	0.032	1.7	0.0050	0.0000	OK
1440 minute summer	TANK 1	750	185.560	0.031	1.7	0.0000	0.0000	OK
1440 minute summer	S8	750	186.225	0.025	1.1	0.0157	0.0000	OK
1440 minute summer	S9	750	186.067	0.031	1.6	0.0125	0.0000	OK
1440 minute summer	TANK 2	750	185.560	0.030	1.6	0.0000	0.0000	OK
1440 minute summer	S10	750	185.779	0.017	0.5	0.0061	0.0000	OK
1440 minute summer	S11	750	185.564	0.034	1.6	0.0110	0.0000	OK
1440 minute summer	TANK 3	750	185.547	0.030	1.6	0.0000	0.0000	OK
1440 minute summer	S12	750	185.709	0.019	0.6	0.0058	0.0000	OK
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute summer	S1	S1.000	S2	0.3	0.370	0.038	0.0133	
1440 minute summer	S2	S1.001	S3	0.6	0.453	0.076	0.0319	
1440 minute summer	S3	S1.002	S4	0.9	0.549	0.149	0.0265	
1440 minute summer	S4	S1.003	S5	1.7	0.623	0.096	0.0436	
1440 minute summer	S5	S1.004	S7	1.7	0.628	0.096	0.0462	
1440 minute summer	S7	S1.005	TANK 1	1.7	0.635	0.096	0.1500	39.9
1440 minute summer	S8	S2.000	S9	1.1	0.486	0.062	0.0374	
1440 minute summer	S9	S2.001	TANK 2	1.6	0.624	0.090	0.1307	35.5
1440 minute summer	S10	S3.000	S11	0.5	0.368	0.028	0.0301	
1440 minute summer	S11	S3.001	TANK 3	1.6	0.577	0.090	0.0036	36.6
1440 minute summer	S12	S4.000	S11	0.6	0.287	0.034	0.0343	

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

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute winter	S1	750	187.313	0.013	0.3	0.0056	0.0000	OK
1440 minute winter	S2	750	187.045	0.019	0.6	0.0064	0.0000	OK
1440 minute winter	S3	750	186.651	0.026	0.9	0.0081	0.0000	OK
1440 minute winter	S4	750	186.443	0.030	1.5	0.0139	0.0000	OK
1440 minute winter	S5	750	186.284	0.030	1.5	0.0048	0.0000	OK
1440 minute winter	S7	750	186.115	0.030	1.5	0.0047	0.0000	OK
1440 minute winter	TANK 1	750	185.559	0.029	1.5	0.0000	0.0000	OK
1440 minute winter	S8	690	186.222	0.022	0.8	0.0135	0.0000	OK
1440 minute winter	S9	690	186.062	0.025	1.1	0.0104	0.0000	OK
1440 minute winter	TANK 2	690	185.555	0.025	1.1	0.0000	0.0000	OK
1440 minute winter	S10	630	185.776	0.014	0.3	0.0048	0.0000	OK
1440 minute winter	S11	720	185.558	0.028	1.1	0.0090	0.0000	OK
1440 minute winter	TANK 3	720	185.542	0.025	1.1	0.0000	0.0000	OK
1440 minute winter	S12	720	185.707	0.017	0.5	0.0053	0.0000	OK
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute winter	S1	S1.000	S2	0.3	0.370	0.038	0.0133	
1440 minute winter	S2	S1.001	S3	0.6	0.453	0.076	0.0319	
1440 minute winter	S3	S1.002	S4	0.9	0.549	0.149	0.0265	
1440 minute winter	S4	S1.003	S5	1.5	0.602	0.085	0.0399	
1440 minute winter	S5	S1.004	S7	1.5	0.606	0.085	0.0422	
1440 minute winter	S7	S1.005	TANK 1	1.5	0.613	0.085	0.1372	45.1
1440 minute winter	S8	S2.000	S9	0.8	0.453	0.045	0.0292	
1440 minute winter	S9	S2.001	TANK 2	1.1	0.559	0.062	0.1004	41.8
1440 minute winter	S10	S3.000	S11	0.3	0.360	0.017	0.0197	
1440 minute winter	S11	S3.001	TANK 3	1.1	0.522	0.062	0.0027	41.4
1440 minute winter	S12	S4.000	S11	0.5	0.300	0.028	0.0272	