

Design Settings

Rainfall Methodology	FSR	Maximum Time of Concentration (mins)	30.00
Return Period (years)	1	Maximum Rainfall (mm/hr)	50.0
Additional Flow (%)	0	Minimum Velocity (m/s)	1.00
FSR Region	England and Wales	Connection Type	Level Soffits
M5-60 (mm)	20.000	Minimum Backdrop Height (m)	0.200
Ratio-R	0.346	Preferred Cover Depth (m)	1.200
CV	1.000	Include Intermediate Ground	✓
Time of Entry (mins)	5.00	Enforce best practice design rules	x

Nodes

Name	Area (ha)	T of E (mins)	Cover Level (m)	Diameter (mm)	Depth (m)
S01	0.012	5.00	121.200	450	0.490
S02	0.012	5.00	121.200	450	0.595
S03	0.003	5.00	121.200	600	0.740
S04	0.014	5.00	121.200	600	0.780
S05	0.009	5.00	121.200	600	0.805
S06	0.022	5.00	121.200	600	0.875
Tank01	0.000		121.200		0.890
S07	0.007	5.00	121.200	450	0.699
S08	0.026	5.00	121.200	450	0.701
S09	0.000		121.200	450	0.780
S10	0.012	5.00	121.200	450	0.870
S11	0.000	3.00	121.200	450	0.889
S12	0.014	5.00	121.200	600	0.675
S14	0.004	5.00	121.200	450	0.889
S15	0.000		121.500	600	1.191
S16	0.020	5.00	121.575	1200	1.295
ACO	0.003	5.00	121.500	150	1.000
S17	0.000		121.560	450	1.370
Tank02			121.200		0.700

Links

Name	US Node	DS Node	Length (m)	ks (mm) / n	US IL (m)	DS IL (m)	Fall (m)	Slope (1:X)	Dia (mm)	T of C (mins)	Rain (mm/hr)
1.000	S01	S02	15.118	0.600	120.710	120.605	0.105	144.0	150	5.30	49.6
1.001	S02	S03	9.883	0.600	120.605	120.535	0.070	141.0	150	5.50	48.9
1.002	S03	S04	7.859	0.600	120.460	120.420	0.040	197.0	225	5.64	48.3
1.003	S04	S05	5.176	0.600	120.420	120.395	0.025	207.0	225	5.73	48.0
1.004	S05	S06	14.109	0.600	120.395	120.325	0.070	202.0	225	5.99	47.0
1.005	S06	Tank01	1.750	0.600	120.325	120.310	0.015	116.7	225	6.01	47.0

Name	Vel (m/s)	Cap (l/s)	Flow (l/s)	US Depth (m)	DS Depth (m)	Σ Area (ha)	Σ Add Inflow (l/s)	Pro Depth (mm)	Pro Velocity (m/s)
1.000	0.835	14.8	2.2	0.340	0.445	0.012	0.0	39	0.599
1.001	0.844	14.9	4.2	0.445	0.515	0.024	0.0	55	0.729
1.002	0.928	36.9	4.7	0.515	0.555	0.027	0.0	54	0.640
1.003	0.905	36.0	7.1	0.555	0.580	0.041	0.0	67	0.705
1.004	0.916	36.4	8.5	0.580	0.650	0.050	0.0	73	0.748
1.005	1.209	48.1	12.2	0.650	0.665	0.072	0.0	77	1.012

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)
2.000a	S07	Tank02	1.000	0.600	120.501	120.500	0.001	1000.0	150	5.05	50.0
2.000b	Tank02	S08	1.000	0.600	120.500	120.499	0.001	1000.0	150	5.11	50.0
2.001	S08	S09	10.801	0.600	120.499	120.420	0.079	136.7	150	5.32	49.6
2.002	S09	S10	12.859	0.600	120.420	120.330	0.090	142.9	150	5.57	48.6
2.003	S10	S11	2.545	0.600	120.330	120.311	0.019	133.9	150	5.62	48.4
2.004	S11	Tank01	1.000	0.600	120.311	120.310	0.001	1000.0	150	5.68	48.2
3.000	S12	Tank01	1.000	0.600	120.525	120.500	0.025	40.0	150	5.01	50.0
4.000	S14	Tank01	1.000	0.600	120.311	120.310	0.001	1000.0	150	5.05	50.0
1.006	Tank01	S15	1.000	0.600	120.310	120.309	0.001	1000.0	225	6.06	46.8
1.007	S15	S16	3.944	0.600	120.309	120.280	0.029	136.0	225	6.11	46.6
5.000	ACO	S16	10.731	0.600	120.500	120.365	0.135	79.5	100	5.21	50.0
1.008	S16	S17	13.392	0.600	120.280	120.190	0.090	149.0	150	6.39	45.7

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)
2.000a	0.310	5.5	1.3	0.549	0.550	0.007	0.0	49	0.251
2.000b	0.310	5.5	1.3	0.550	0.551	0.007	0.0	49	0.251
2.001	0.857	15.2	5.9	0.551	0.630	0.033	0.0	65	0.803
2.002	0.838	14.8	5.8	0.630	0.720	0.033	0.0	65	0.789
2.003	0.866	15.3	7.9	0.720	0.739	0.045	0.0	76	0.873
2.004	0.310	5.5	7.8	0.739	0.740	0.045	0.0	150	0.316
3.000	1.596	28.2	2.5	0.525	0.550	0.014	0.0	30	0.989
4.000	0.310	5.5	0.7	0.739	0.740	0.004	0.0	37	0.215
1.006	0.405	16.1	22.8	0.665	0.966	0.135	0.0	225	0.413
1.007	1.119	44.5	22.7	0.966	1.070	0.135	0.0	114	1.124
5.000	0.864	6.8	0.5	0.900	1.110	0.003	0.0	19	0.513
1.008	0.821	14.5	26.1	1.145	1.220	0.158	0.0	150	0.836

Pipeline Schedule

Link	Length (m)	Slope (1:X)	Dia (mm)	Link Type	US CL (m)	US IL (m)	US Depth (m)	DS CL (m)	DS IL (m)	DS Depth (m)
1.000	15.118	144.0	150	Circular	121.200	120.710	0.340	121.200	120.605	0.445
1.001	9.883	141.0	150	Circular	121.200	120.605	0.445	121.200	120.535	0.515
1.002	7.859	197.0	225	Circular	121.200	120.460	0.515	121.200	120.420	0.555
1.003	5.176	207.0	225	Circular	121.200	120.420	0.555	121.200	120.395	0.580
1.004	14.109	202.0	225	Circular	121.200	120.395	0.580	121.200	120.325	0.650
1.005	1.750	116.7	225	Circular	121.200	120.325	0.650	121.200	120.310	0.665
2.000a	1.000	1000.0	150	Circular	121.200	120.501	0.549	121.200	120.500	0.550
2.000b	1.000	1000.0	150	Circular	121.200	120.500	0.550	121.200	120.499	0.551

Link	US Node	Dia (mm)	Node Type	MH Type	DS Node	Dia (mm)	Node Type	MH Type
1.000	S01	450	Manhole	Adoptable	S02	450	Manhole	Adoptable
1.001	S02	450	Manhole	Adoptable	S03	600	Manhole	Adoptable
1.002	S03	600	Manhole	Adoptable	S04	600	Manhole	Adoptable
1.003	S04	600	Manhole	Adoptable	S05	600	Manhole	Adoptable
1.004	S05	600	Manhole	Adoptable	S06	600	Manhole	Adoptable
1.005	S06	600	Manhole	Adoptable	Tank01		Junction	
2.000a	S07	450	Manhole	Adoptable	Tank02		Junction	
2.000b	Tank02		Junction		S08	450	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)
2.001	10.801	136.7	150	Circular	121.200	120.499	0.551	121.200	120.420	0.630
2.002	12.859	142.9	150	Circular	121.200	120.420	0.630	121.200	120.330	0.720
2.003	2.545	133.9	150	Circular	121.200	120.330	0.720	121.200	120.311	0.739
2.004	1.000	1000.0	150	Circular	121.200	120.311	0.739	121.200	120.310	0.740
3.000	1.000	40.0	150	Circular	121.200	120.525	0.525	121.200	120.500	0.550
4.000	1.000	1000.0	150	Circular	121.200	120.311	0.739	121.200	120.310	0.740
1.006	1.000	1000.0	225	Circular	121.200	120.310	0.665	121.500	120.309	0.966
1.007	3.944	136.0	225	Circular	121.500	120.309	0.966	121.575	120.280	1.070
5.000	10.731	79.5	100	Circular	121.500	120.500	0.900	121.575	120.365	1.110
1.008	13.392	149.0	150	Circular	121.575	120.280	1.145	121.560	120.190	1.220

Link	US Node	Dia (mm)	Node Type	MH Type	DS Node	Dia (mm)	Node Type	MH Type
2.001	S08	450	Manhole	Adoptable	S09	450	Manhole	Adoptable
2.002	S09	450	Manhole	Adoptable	S10	450	Manhole	Adoptable
2.003	S10	450	Manhole	Adoptable	S11	450	Manhole	Adoptable
2.004	S11	450	Manhole	Adoptable	Tank01		Junction	
3.000	S12	600	Manhole	Adoptable	Tank01		Junction	
4.000	S14	450	Manhole	Adoptable	Tank01		Junction	
1.006	Tank01		Junction		S15	600	Manhole	Adoptable
1.007	S15	600	Manhole	Adoptable	S16	1200	Manhole	Adoptable
5.000	ACO	150	Manhole	Adoptable	S16	1200	Manhole	Adoptable
1.008	S16	1200	Manhole	Adoptable	S17	450	Manhole	Adoptable

Manhole Schedule

Node	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)
S01	121.200	0.490	450				
				0	1.000	120.710	150
S02	121.200	0.595	450				
				0	1.001	120.605	150
S03	121.200	0.740	600				
				0	1.002	120.460	225
S04	121.200	0.780	600				
				0	1.003	120.420	225
S05	121.200	0.805	600				
				0	1.004	120.395	225
S06	121.200	0.875	600				
				0	1.005	120.325	225

Manhole Schedule

Node	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)	
Tank01	121.200	0.890		1	4.000	120.310	150	
				2	3.000	120.500	150	
				3	2.004	120.310	150	
				4	1.005	120.310	225	
				0	1.006	120.310	225	
S07	121.200	0.699	450					
				0	2.000a	120.501	150	
S08	121.200	0.701	450		1	2.000b	120.499	150
				0	2.001	120.499	150	
S09	121.200	0.780	450		1	2.001	120.420	150
				0	2.002	120.420	150	
S10	121.200	0.870	450		1	2.002	120.330	150
				0	2.003	120.330	150	
S11	121.200	0.889	450		1	2.003	120.311	150
				0	2.004	120.311	150	
S12	121.200	0.675	600					
				0	3.000	120.525	150	
S14	121.200	0.889	450					
				0	4.000	120.311	150	
S15	121.500	1.191	600		1	1.006	120.309	225
				0	1.007	120.309	225	
S16	121.575	1.295	1200		1	5.000	120.365	100
				2	1.007	120.280	225	
				0	1.008	120.280	150	
ACO	121.500	1.000	150					
				0	5.000	120.500	100	
S17	121.560	1.370	450		1	1.008	120.190	150
Tank02	121.200	0.700		1	2.000a	120.500	150	
				0	2.000b	120.500	150	

Simulation Settings

Rainfall Methodology	FSR	Analysis Speed	Detailed
Rainfall Events	Singular	Skip Steady State	x
FSR Region	England and Wales	Drain Down Time (mins)	240
M5-60 (mm)	20.000	Additional Storage (m³/ha)	20.0
Ratio-R	0.346	Starting Level (m)	
Summer CV	1.000	Check Discharge Rate(s)	x
Winter CV	1.000	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 %)
1	0	0	0
30	0	0	0
100	45	0	0

Node S16 Online Hydro-Brake® Control

Flap Valve	x	Objective	(HE) Minimise upstream storage
Replaces Downstream Link	x	Sump Available	✓
Invert Level (m)	120.280	Product Number	CTL-SHE-0092-3300-0650-3300
Design Depth (m)	0.650	Min Outlet Diameter (m)	0.150
Design Flow (l/s)	3.3	Min Node Diameter (mm)	1200

Node Tank01 Depth/Area Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Safety Factor	2.0	Invert Level (m)	120.310
Side Inf Coefficient (m/hr)	0.00000	Porosity	0.95	Time to half empty (mins)	

Depth (m)	Area (m²)	Inf Area (m²)	Depth (m)	Area (m²)	Inf Area (m²)	Depth (m)	Area (m²)	Inf Area (m²)
0.000	180.5	180.5	0.400	180.5	199.6	0.401	0.0	199.6

Node Tank02 Depth/Area Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Safety Factor	2.0	Invert Level (m)	120.500
Side Inf Coefficient (m/hr)	0.00000	Porosity	0.95	Time to half empty (mins)	

Depth (m)	Area (m²)	Inf Area (m²)	Depth (m)	Area (m²)	Inf Area (m²)	Depth (m)	Area (m²)	Inf Area (m²)
0.000	59.7	59.7	0.150	59.7	63.8	0.151	0.0	63.8

Node Tank02 Carpark Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Invert Level (m)	120.750	Slope (1:X)	1000.0
Side Inf Coefficient (m/hr)	0.00000	Time to half empty (mins)	84	Depth (m)	0.400
Safety Factor	2.0	Width (m)	10.000	Inf Depth (m)	
Porosity	0.30	Length (m)	10.000		

Results for 1 year Critical Storm Duration. Lowest mass balance: 99.71%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	S01	11	120.747	0.037	2.0	0.0241	0.0000	OK
15 minute summer	S02	11	120.660	0.055	4.0	0.0311	0.0000	OK
15 minute summer	S03	11	120.515	0.055	4.5	0.0201	0.0000	OK
15 minute summer	S04	11	120.495	0.075	6.9	0.0479	0.0000	OK
15 minute summer	S05	11	120.471	0.076	8.3	0.0386	0.0000	OK
240 minute summer	S06	160	120.409	0.084	4.0	0.0663	0.0000	OK
240 minute summer	Tank01	160	120.409	0.099	6.5	17.0445	0.0000	OK
15 minute summer	S07	10	120.539	0.037	1.2	0.0134	0.0000	OK
15 minute summer	S08	10	120.542	0.042	4.4	0.0383	0.0000	OK
15 minute summer	S09	10	120.461	0.041	2.5	0.0066	0.0000	OK
240 minute summer	S10	160	120.410	0.080	1.7	0.0347	0.0000	OK
240 minute summer	S11	160	120.410	0.099	1.7	0.0157	0.0000	OK
15 minute summer	S12	10	120.557	0.032	2.4	0.0226	0.0000	OK
240 minute summer	S14	160	120.409	0.098	0.2	0.0245	0.0000	OK
240 minute summer	S15	160	120.409	0.100	2.3	0.0283	0.0000	OK
240 minute summer	S16	160	120.409	0.129	2.5	0.1857	0.0000	OK
15 minute winter	ACO	11	120.519	0.019	0.5	0.0015	0.0000	OK
240 minute summer	S17	160	120.232	0.042	2.5	0.0000	0.0000	OK
120 minute summer	Tank02	74	120.531	0.031	1.4	1.7549	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	S01	1.000	S02	2.0	0.436	0.136	0.0703	
15 minute summer	S02	1.001	S03	4.0	0.699	0.268	0.0566	
15 minute summer	S03	1.002	S04	4.5	0.475	0.122	0.0748	
15 minute summer	S04	1.003	S05	6.8	0.584	0.189	0.0604	
15 minute summer	S05	1.004	S06	8.3	0.706	0.229	0.1666	
240 minute summer	S06	1.005	Tank01	4.0	0.829	0.082	0.0267	
240 minute summer	Tank01	1.006	S15	2.3	0.275	0.140	0.0170	
15 minute summer	S07	2.000a	Tank02	1.4	0.867	0.263	0.0020	
15 minute summer	S08	2.001	S09	2.5	0.620	0.165	0.0434	
15 minute summer	S09	2.002	S10	2.5	0.415	0.167	0.0779	
240 minute summer	S10	2.003	S11	1.7	0.345	0.111	0.0277	
240 minute summer	S11	2.004	Tank01	1.7	0.663	0.307	0.0123	
15 minute summer	S12	3.000	Tank01	2.4	0.913	0.085	0.0026	
240 minute summer	S14	4.000	Tank01	0.2	-0.063	0.033	0.0123	
240 minute summer	S15	1.007	S16	2.3	0.123	0.051	0.0800	
240 minute summer	S16	1.008	S17	2.5	0.606	0.170	0.0546	29.5
15 minute winter	ACO	5.000	S16	0.5	0.502	0.074	0.0107	
120 minute summer	Tank02	2.000b	S08	-0.8	-0.450	-0.151	0.0027	

Results for 30 year Critical Storm Duration. Lowest mass balance: 99.84%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	S01	10	120.770	0.060	5.0	0.0387	0.0000	OK
15 minute summer	S02	10	120.700	0.095	10.0	0.0536	0.0000	OK
15 minute summer	S03	11	120.563	0.103	11.1	0.0374	0.0000	OK
15 minute summer	S04	10	120.551	0.131	16.9	0.0839	0.0000	OK
180 minute summer	S05	140	120.550	0.155	7.1	0.0782	0.0000	OK
180 minute summer	S06	140	120.550	0.225	10.1	0.1765	0.0000	OK
180 minute summer	Tank01	140	120.550	0.240	17.3	41.0741	0.0000	SURCHARGED
60 minute summer	S07	38	120.564	0.063	2.0	0.0225	0.0000	OK
15 minute summer	S08	10	120.563	0.064	10.9	0.0579	0.0000	OK
240 minute summer	S09	176	120.550	0.130	3.5	0.0206	0.0000	OK
180 minute summer	S10	140	120.550	0.220	5.5	0.0956	0.0000	SURCHARGED
180 minute summer	S11	140	120.550	0.239	5.4	0.0379	0.0000	SURCHARGED
15 minute summer	S12	10	120.578	0.053	5.9	0.0368	0.0000	OK
180 minute summer	S14	140	120.550	0.239	0.6	0.0594	0.0000	SURCHARGED
180 minute summer	S15	140	120.549	0.240	3.3	0.0680	0.0000	SURCHARGED
180 minute summer	S16	140	120.549	0.269	3.4	0.3877	0.0000	SURCHARGED
180 minute summer	ACO	140	120.549	0.049	0.4	0.0038	0.0000	OK
360 minute winter	S17	288	120.238	0.048	3.3	0.0000	0.0000	OK
60 minute summer	Tank02	38	120.563	0.063	5.3	3.5744	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	S01	1.000	S02	5.0	0.540	0.336	0.1386	
15 minute summer	S02	1.001	S03	9.8	0.869	0.657	0.1116	
15 minute summer	S03	1.002	S04	11.0	0.531	0.299	0.1633	
15 minute summer	S04	1.003	S05	16.8	0.703	0.466	0.1234	
180 minute summer	S05	1.004	S06	6.9	0.492	0.191	0.4854	
180 minute summer	S06	1.005	Tank01	9.9	1.112	0.206	0.0696	
180 minute summer	Tank01	1.006	S15	3.3	0.173	0.202	0.0398	
60 minute summer	S07	2.000a	Tank02	1.9	0.679	0.354	0.0070	
15 minute summer	S08	2.001	S09	5.3	0.756	0.349	0.0756	
240 minute summer	S09	2.002	S10	3.3	0.319	0.225	0.2173	
180 minute summer	S10	2.003	S11	5.4	0.351	0.351	0.0448	
180 minute summer	S11	2.004	Tank01	5.3	0.820	0.966	0.0176	
15 minute summer	S12	3.000	Tank01	5.9	1.157	0.208	0.0051	
180 minute summer	S14	4.000	Tank01	0.5	0.418	0.092	0.0176	
180 minute summer	S15	1.007	S16	3.3	0.122	0.073	0.1569	
180 minute summer	S16	1.008	S17	3.3	0.656	0.227	0.0674	59.0
180 minute summer	ACO	5.000	S16	0.4	0.383	0.059	0.0625	
60 minute summer	Tank02	2.000b	S08	-3.4	-0.740	-0.616	0.0070	

Results for 100 year +45% CC Critical Storm Duration. Lowest mass balance: 99.43%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute winter	S01	228	121.123	0.413	1.8	0.2683	0.0000	FLOOD RISK
240 minute winter	S02	228	121.123	0.518	3.6	0.2913	0.0000	FLOOD RISK
240 minute winter	S03	228	121.123	0.663	4.1	0.2414	0.0000	FLOOD RISK
240 minute winter	S04	228	121.123	0.703	6.0	0.4514	0.0000	FLOOD RISK
240 minute winter	S05	228	121.123	0.728	7.3	0.3684	0.0000	FLOOD RISK
240 minute winter	S06	228	121.123	0.798	10.4	0.6273	0.0000	FLOOD RISK
240 minute winter	Tank01	228	121.123	0.813	16.7	68.6757	0.0000	FLOOD RISK
240 minute winter	S07	228	121.124	0.623	1.1	0.2236	0.0000	FLOOD RISK
240 minute winter	S08	228	121.124	0.625	7.4	0.5629	0.0000	FLOOD RISK
240 minute winter	S09	228	121.124	0.703	5.2	0.1119	0.0000	FLOOD RISK
240 minute winter	S10	228	121.123	0.793	5.5	0.3451	0.0000	FLOOD RISK
240 minute winter	S11	228	121.123	0.812	5.4	0.1291	0.0000	FLOOD RISK
240 minute winter	S12	228	121.123	0.598	4.1	0.4174	0.0000	FLOOD RISK
240 minute winter	S14	228	121.123	0.812	0.6	0.2022	0.0000	FLOOD RISK
240 minute winter	S15	228	121.123	0.814	3.3	0.2303	0.0000	SURCHARGED
240 minute winter	S16	228	121.123	0.843	3.6	1.2134	0.0000	SURCHARGED
240 minute winter	ACO	228	121.123	0.623	0.7	0.0486	0.0000	SURCHARGED
240 minute winter	S17	228	120.241	0.051	3.6	0.0000	0.0000	OK
240 minute winter	Tank02	228	121.124	0.624	7.6	19.5981	0.0000	FLOOD RISK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute winter	S01	1.000	S02	1.8	0.437	0.122	0.2661	
240 minute winter	S02	1.001	S03	3.6	0.678	0.242	0.1740	
240 minute winter	S03	1.002	S04	3.9	0.430	0.106	0.3126	
240 minute winter	S04	1.003	S05	5.9	0.535	0.163	0.2059	
240 minute winter	S05	1.004	S06	7.1	0.419	0.196	0.5611	
240 minute winter	S06	1.005	Tank01	10.3	1.193	0.215	0.0696	
240 minute winter	Tank01	1.006	S15	3.3	-0.224	0.202	0.0398	
240 minute winter	S07	2.000a	Tank02	1.0	0.529	0.185	0.0176	
240 minute winter	S08	2.001	S09	-5.0	0.629	-0.328	0.1901	
240 minute winter	S09	2.002	S10	-5.2	0.335	-0.353	0.2264	
240 minute winter	S10	2.003	S11	5.4	0.386	0.354	0.0448	
240 minute winter	S11	2.004	Tank01	5.3	0.742	0.973	0.0176	
240 minute winter	S12	3.000	Tank01	3.4	0.858	0.120	0.0176	
240 minute winter	S14	4.000	Tank01	0.6	0.374	0.105	0.0176	
240 minute winter	S15	1.007	S16	3.3	0.084	0.075	0.1569	
240 minute winter	S16	1.008	S17	3.6	0.671	0.248	0.0719	81.1
240 minute winter	ACO	5.000	S16	0.4	0.312	0.060	0.0840	
240 minute winter	Tank02	2.000b	S08	-7.1	-0.406	-1.305	0.0176	

Results for 1 year 15 minute summer. 255 minute analysis at 1 minute timestep. Mass balance: 99.71%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	S01	11	120.747	0.037	2.0	0.0241	0.0000	OK
15 minute summer	S02	11	120.660	0.055	4.0	0.0311	0.0000	OK
15 minute summer	S03	11	120.515	0.055	4.5	0.0201	0.0000	OK
15 minute summer	S04	11	120.495	0.075	6.9	0.0479	0.0000	OK
15 minute summer	S05	11	120.471	0.076	8.3	0.0386	0.0000	OK
15 minute summer	S06	11	120.401	0.076	12.0	0.0597	0.0000	OK
15 minute summer	Tank01	20	120.362	0.052	22.8	8.9804	0.0000	OK
15 minute summer	S07	10	120.539	0.037	1.2	0.0134	0.0000	OK
15 minute summer	S08	10	120.542	0.042	4.4	0.0383	0.0000	OK
15 minute summer	S09	10	120.461	0.041	2.5	0.0066	0.0000	OK
15 minute summer	S10	10	120.401	0.071	4.5	0.0308	0.0000	OK
15 minute summer	S11	10	120.390	0.079	4.5	0.0126	0.0000	OK
15 minute summer	S12	10	120.557	0.032	2.4	0.0226	0.0000	OK
15 minute summer	S14	20	120.362	0.051	0.7	0.0128	0.0000	OK
15 minute summer	S15	19	120.362	0.053	2.6	0.0149	0.0000	OK
15 minute summer	S16	10	120.364	0.084	3.9	0.1214	0.0000	OK
15 minute summer	ACO	11	120.519	0.019	0.5	0.0015	0.0000	OK
15 minute summer	S17	10	120.220	0.030	1.3	0.0000	0.0000	OK
15 minute summer	Tank02	17	120.521	0.021	3.3	1.1883	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	S01	1.000	S02	2.0	0.436	0.136	0.0703	
15 minute summer	S02	1.001	S03	4.0	0.699	0.268	0.0566	
15 minute summer	S03	1.002	S04	4.5	0.475	0.122	0.0748	
15 minute summer	S04	1.003	S05	6.8	0.584	0.189	0.0604	
15 minute summer	S05	1.004	S06	8.3	0.706	0.229	0.1666	
15 minute summer	S06	1.005	Tank01	12.0	1.984	0.249	0.0133	
15 minute summer	Tank01	1.006	S15	-2.6	-0.839	-0.161	0.0070	
15 minute summer	S07	2.000a	Tank02	1.4	0.867	0.263	0.0020	
15 minute summer	S08	2.001	S09	2.5	0.620	0.165	0.0434	
15 minute summer	S09	2.002	S10	2.5	0.415	0.167	0.0779	
15 minute summer	S10	2.003	S11	4.5	0.531	0.291	0.0224	
15 minute summer	S11	2.004	Tank01	5.3	1.116	0.972	0.0057	
15 minute summer	S12	3.000	Tank01	2.4	0.913	0.085	0.0026	
15 minute summer	S14	4.000	Tank01	0.7	0.554	0.121	0.0054	
15 minute summer	S15	1.007	S16	-2.6	-0.287	-0.058	0.0395	
15 minute summer	S16	1.008	S17	1.3	0.503	0.087	0.0338	9.0
15 minute summer	ACO	5.000	S16	0.5	0.502	0.074	0.0107	
15 minute summer	Tank02	2.000b	S08	-1.9	-0.929	-0.346	0.0023	

Results for 1 year 15 minute winter. 255 minute analysis at 1 minute timestep. Mass balance: 99.71%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	S01	10	120.746	0.036	1.9	0.0234	0.0000	OK
15 minute winter	S02	10	120.658	0.053	3.8	0.0298	0.0000	OK
15 minute winter	S03	11	120.513	0.053	4.2	0.0193	0.0000	OK
15 minute winter	S04	11	120.492	0.072	6.3	0.0460	0.0000	OK
15 minute winter	S05	11	120.469	0.073	7.7	0.0372	0.0000	OK
15 minute winter	S06	11	120.398	0.073	11.1	0.0574	0.0000	OK
15 minute winter	Tank01	19	120.362	0.052	21.6	8.9731	0.0000	OK
15 minute winter	S07	10	120.537	0.036	1.1	0.0130	0.0000	OK
15 minute winter	S08	10	120.541	0.041	4.2	0.0374	0.0000	OK
15 minute winter	S09	10	120.460	0.040	2.4	0.0064	0.0000	OK
15 minute winter	S10	10	120.398	0.068	4.2	0.0295	0.0000	OK
15 minute winter	S11	10	120.387	0.076	4.2	0.0121	0.0000	OK
15 minute winter	S12	10	120.556	0.031	2.2	0.0216	0.0000	OK
15 minute winter	S14	19	120.362	0.051	0.6	0.0128	0.0000	OK
15 minute winter	S15	19	120.362	0.053	2.4	0.0149	0.0000	OK
15 minute winter	S16	10	120.362	0.082	3.7	0.1186	0.0000	OK
15 minute winter	ACO	11	120.519	0.019	0.5	0.0015	0.0000	OK
15 minute winter	S17	10	120.219	0.029	1.2	0.0000	0.0000	OK
15 minute winter	Tank02	17	120.521	0.021	2.9	1.1879	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	S01	1.000	S02	1.9	0.428	0.127	0.0666	
15 minute winter	S02	1.001	S03	3.7	0.685	0.247	0.0533	
15 minute winter	S03	1.002	S04	4.2	0.471	0.114	0.0706	
15 minute winter	S04	1.003	S05	6.3	0.575	0.176	0.0572	
15 minute winter	S05	1.004	S06	7.8	0.695	0.213	0.1579	
15 minute winter	S06	1.005	Tank01	11.1	1.911	0.231	0.0126	
15 minute winter	Tank01	1.006	S15	-2.4	-0.787	-0.149	0.0070	
15 minute winter	S07	2.000a	Tank02	1.1	0.803	0.209	0.0020	
15 minute winter	S08	2.001	S09	2.4	0.613	0.157	0.0419	
15 minute winter	S09	2.002	S10	2.3	0.411	0.159	0.0742	
15 minute winter	S10	2.003	S11	4.2	0.521	0.272	0.0213	
15 minute winter	S11	2.004	Tank01	5.5	1.056	1.007	0.0054	
15 minute winter	S12	3.000	Tank01	2.2	0.892	0.078	0.0025	
15 minute winter	S14	4.000	Tank01	0.7	0.621	0.127	0.0054	
15 minute winter	S15	1.007	S16	-2.4	-0.277	-0.054	0.0395	
15 minute winter	S16	1.008	S17	1.2	0.496	0.084	0.0327	9.0
15 minute winter	ACO	5.000	S16	0.5	0.502	0.074	0.0107	
15 minute winter	Tank02	2.000b	S08	-1.8	-0.901	-0.328	0.0022	

Results for 1 year 30 minute summer. 270 minute analysis at 1 minute timestep. Mass balance: 99.78%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	S01	18	120.746	0.036	1.9	0.0235	0.0000	OK
30 minute summer	S02	18	120.659	0.054	3.8	0.0302	0.0000	OK
30 minute summer	S03	18	120.514	0.054	4.3	0.0195	0.0000	OK
30 minute summer	S04	18	120.492	0.072	6.5	0.0464	0.0000	OK
30 minute summer	S05	18	120.469	0.074	7.8	0.0373	0.0000	OK
30 minute summer	S06	18	120.398	0.073	11.2	0.0576	0.0000	OK
30 minute summer	Tank01	34	120.377	0.067	21.3	11.5541	0.0000	OK
30 minute summer	S07	18	120.537	0.036	1.1	0.0129	0.0000	OK
30 minute summer	S08	17	120.540	0.041	4.1	0.0366	0.0000	OK
30 minute summer	S09	18	120.460	0.040	2.3	0.0063	0.0000	OK
30 minute summer	S10	18	120.397	0.067	4.2	0.0291	0.0000	OK
30 minute summer	S11	18	120.383	0.072	4.2	0.0115	0.0000	OK
30 minute summer	S12	18	120.556	0.031	2.2	0.0216	0.0000	OK
30 minute summer	S14	34	120.378	0.066	0.6	0.0166	0.0000	OK
30 minute summer	S15	34	120.377	0.068	2.3	0.0192	0.0000	OK
30 minute summer	S16	34	120.377	0.097	3.6	0.1394	0.0000	OK
30 minute summer	ACO	18	120.519	0.019	0.5	0.0015	0.0000	OK
30 minute summer	S17	34	120.224	0.034	1.6	0.0000	0.0000	OK
30 minute summer	Tank02	26	120.525	0.025	2.8	1.4377	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	S01	1.000	S02	1.9	0.428	0.129	0.0676	
30 minute summer	S02	1.001	S03	3.8	0.688	0.254	0.0543	
30 minute summer	S03	1.002	S04	4.3	0.471	0.116	0.0716	
30 minute summer	S04	1.003	S05	6.4	0.578	0.179	0.0577	
30 minute summer	S05	1.004	S06	7.8	0.694	0.214	0.1588	
30 minute summer	S06	1.005	Tank01	11.2	1.663	0.232	0.0148	
30 minute summer	Tank01	1.006	S15	-2.3	-0.626	-0.141	0.0100	
30 minute summer	S07	2.000a	Tank02	1.0	0.673	0.184	0.0021	
30 minute summer	S08	2.001	S09	2.3	0.607	0.150	0.0407	
30 minute summer	S09	2.002	S10	2.3	0.413	0.154	0.0726	
30 minute summer	S10	2.003	S11	4.2	0.528	0.274	0.0203	
30 minute summer	S11	2.004	Tank01	5.1	0.917	0.940	0.0076	
30 minute summer	S12	3.000	Tank01	2.2	0.894	0.078	0.0025	
30 minute summer	S14	4.000	Tank01	0.5	0.436	0.097	0.0076	
30 minute summer	S15	1.007	S16	-2.3	-0.265	-0.053	0.0521	
30 minute summer	S16	1.008	S17	1.6	0.538	0.111	0.0401	12.5
30 minute summer	ACO	5.000	S16	0.5	0.502	0.074	0.0107	
30 minute summer	Tank02	2.000b	S08	-1.8	-0.860	-0.336	0.0024	

Results for 1 year 30 minute winter. 270 minute analysis at 1 minute timestep. Mass balance: 99.78%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute winter	S01	18	120.742	0.032	1.5	0.0209	0.0000	OK
30 minute winter	S02	18	120.652	0.047	3.0	0.0266	0.0000	OK
30 minute winter	S03	18	120.507	0.047	3.4	0.0170	0.0000	OK
30 minute winter	S04	18	120.484	0.064	5.2	0.0409	0.0000	OK
30 minute winter	S05	18	120.460	0.065	6.3	0.0331	0.0000	OK
30 minute winter	S06	18	120.391	0.066	9.0	0.0516	0.0000	OK
30 minute winter	Tank01	33	120.378	0.068	16.4	11.6291	0.0000	OK
30 minute winter	S07	17	120.533	0.032	0.9	0.0113	0.0000	OK
30 minute winter	S08	17	120.536	0.037	3.3	0.0330	0.0000	OK
30 minute winter	S09	18	120.456	0.036	1.9	0.0057	0.0000	OK
30 minute winter	S10	18	120.388	0.058	3.4	0.0250	0.0000	OK
30 minute winter	S11	33	120.378	0.067	3.3	0.0107	0.0000	OK
30 minute winter	S12	18	120.553	0.028	1.8	0.0195	0.0000	OK
30 minute winter	S14	33	120.378	0.067	0.5	0.0166	0.0000	OK
30 minute winter	S15	33	120.377	0.068	1.8	0.0193	0.0000	OK
30 minute winter	S16	33	120.377	0.097	2.9	0.1399	0.0000	OK
30 minute winter	ACO	19	120.517	0.017	0.4	0.0013	0.0000	OK
30 minute winter	S17	33	120.224	0.034	1.6	0.0000	0.0000	OK
30 minute winter	Tank02	27	120.525	0.025	2.3	1.4320	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	S01	1.000	S02	1.5	0.402	0.102	0.0569	
30 minute winter	S02	1.001	S03	3.0	0.646	0.200	0.0457	
30 minute winter	S03	1.002	S04	3.4	0.449	0.092	0.0596	
30 minute winter	S04	1.003	S05	5.2	0.551	0.144	0.0486	
30 minute winter	S05	1.004	S06	6.2	0.656	0.171	0.1351	
30 minute winter	S06	1.005	Tank01	9.0	1.553	0.188	0.0150	
30 minute winter	Tank01	1.006	S15	-1.7	-0.549	-0.108	0.0101	
30 minute winter	S07	2.000a	Tank02	0.9	0.735	0.161	0.0019	
30 minute winter	S08	2.001	S09	1.9	0.573	0.123	0.0352	
30 minute winter	S09	2.002	S10	1.9	0.400	0.126	0.0607	
30 minute winter	S10	2.003	S11	3.3	0.502	0.218	0.0170	
30 minute winter	S11	2.004	Tank01	3.9	0.865	0.706	0.0077	
30 minute winter	S12	3.000	Tank01	1.8	0.846	0.064	0.0021	
30 minute winter	S14	4.000	Tank01	0.4	0.450	0.078	0.0077	
30 minute winter	S15	1.007	S16	-1.8	-0.230	-0.040	0.0524	
30 minute winter	S16	1.008	S17	1.6	0.539	0.112	0.0403	12.5
30 minute winter	ACO	5.000	S16	0.4	0.470	0.059	0.0091	
30 minute winter	Tank02	2.000b	S08	-1.4	-0.762	-0.264	0.0021	

Results for 1 year 60 minute summer. 300 minute analysis at 1 minute timestep. Mass balance: 99.82%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute summer	S01	34	120.741	0.031	1.4	0.0202	0.0000	OK
60 minute summer	S02	34	120.651	0.046	2.8	0.0257	0.0000	OK
60 minute summer	S03	33	120.505	0.045	3.2	0.0165	0.0000	OK
60 minute summer	S04	33	120.482	0.062	4.9	0.0397	0.0000	OK
60 minute summer	S05	33	120.459	0.064	6.0	0.0323	0.0000	OK
60 minute summer	S06	60	120.392	0.067	8.7	0.0529	0.0000	OK
60 minute summer	Tank01	60	120.392	0.082	14.9	14.1085	0.0000	OK
60 minute summer	S07	32	120.531	0.030	0.8	0.0107	0.0000	OK
60 minute summer	S08	32	120.534	0.035	3.1	0.0317	0.0000	OK
60 minute summer	S09	33	120.455	0.035	1.7	0.0055	0.0000	OK
60 minute summer	S10	60	120.393	0.063	3.1	0.0272	0.0000	OK
60 minute summer	S11	60	120.392	0.081	3.2	0.0129	0.0000	OK
60 minute summer	S12	33	120.552	0.027	1.7	0.0189	0.0000	OK
60 minute summer	S14	60	120.392	0.081	0.5	0.0202	0.0000	OK
60 minute summer	S15	60	120.392	0.083	2.0	0.0235	0.0000	OK
60 minute summer	S16	61	120.392	0.112	2.8	0.1609	0.0000	OK
60 minute summer	ACO	33	120.517	0.017	0.4	0.0013	0.0000	OK
60 minute summer	S17	61	120.228	0.038	2.0	0.0000	0.0000	OK
60 minute summer	Tank02	42	120.529	0.029	2.4	1.6227	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	S01	1.000	S02	1.4	0.395	0.095	0.0542	
60 minute summer	S02	1.001	S03	2.8	0.635	0.188	0.0436	
60 minute summer	S03	1.002	S04	3.2	0.444	0.087	0.0570	
60 minute summer	S04	1.003	S05	4.9	0.541	0.136	0.0468	
60 minute summer	S05	1.004	S06	6.0	0.645	0.165	0.1312	
60 minute summer	S06	1.005	Tank01	8.7	1.246	0.181	0.0202	
60 minute summer	Tank01	1.006	S15	2.0	-0.325	0.123	0.0132	
60 minute summer	S07	2.000a	Tank02	1.0	0.589	0.189	0.0023	
60 minute summer	S08	2.001	S09	1.7	0.561	0.115	0.0335	
60 minute summer	S09	2.002	S10	1.7	0.396	0.117	0.0572	
60 minute summer	S10	2.003	S11	3.2	0.520	0.207	0.0213	
60 minute summer	S11	2.004	Tank01	3.2	0.843	0.583	0.0098	
60 minute summer	S12	3.000	Tank01	1.7	0.833	0.060	0.0020	
60 minute summer	S14	4.000	Tank01	0.4	0.391	0.077	0.0098	
60 minute summer	S15	1.007	S16	2.0	-0.180	0.045	0.0649	
60 minute summer	S16	1.008	S17	2.0	0.574	0.140	0.0473	17.0
60 minute summer	ACO	5.000	S16	0.4	0.470	0.059	0.0099	
60 minute summer	Tank02	2.000b	S08	-1.4	-0.690	-0.249	0.0024	

Results for 1 year 60 minute winter. 300 minute analysis at 1 minute timestep. Mass balance: 99.82%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	S01	35	120.736	0.026	1.0	0.0171	0.0000	OK
60 minute winter	S02	35	120.643	0.038	2.0	0.0215	0.0000	OK
60 minute winter	S03	34	120.498	0.038	2.3	0.0138	0.0000	OK
60 minute winter	S04	33	120.471	0.051	3.5	0.0329	0.0000	OK
60 minute winter	S05	33	120.449	0.054	4.3	0.0271	0.0000	OK
60 minute winter	S06	59	120.392	0.067	6.2	0.0523	0.0000	OK
60 minute winter	Tank01	60	120.392	0.082	10.7	13.9922	0.0000	OK
60 minute winter	S07	43	120.529	0.028	0.6	0.0101	0.0000	OK
60 minute winter	S08	33	120.530	0.031	2.3	0.0276	0.0000	OK
60 minute winter	S09	33	120.450	0.030	1.3	0.0048	0.0000	OK
60 minute winter	S10	58	120.392	0.062	2.3	0.0269	0.0000	OK
60 minute winter	S11	60	120.392	0.081	2.3	0.0128	0.0000	OK
60 minute winter	S12	32	120.548	0.023	1.2	0.0158	0.0000	OK
60 minute winter	S14	60	120.392	0.081	0.3	0.0201	0.0000	OK
60 minute winter	S15	60	120.391	0.082	2.0	0.0233	0.0000	OK
60 minute winter	S16	60	120.391	0.111	2.0	0.1599	0.0000	OK
60 minute winter	ACO	34	120.515	0.015	0.3	0.0011	0.0000	OK
60 minute winter	S17	60	120.228	0.038	2.0	0.0000	0.0000	OK
60 minute winter	Tank02	44	120.528	0.028	1.7	1.6108	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	S01	1.000	S02	1.0	0.360	0.068	0.0424	
60 minute winter	S02	1.001	S03	2.0	0.579	0.134	0.0341	
60 minute winter	S03	1.002	S04	2.3	0.414	0.062	0.0439	
60 minute winter	S04	1.003	S05	3.5	0.502	0.097	0.0363	
60 minute winter	S05	1.004	S06	4.3	0.590	0.118	0.1051	
60 minute winter	S06	1.005	Tank01	6.2	1.169	0.129	0.0199	
60 minute winter	Tank01	1.006	S15	2.0	-0.280	0.122	0.0130	
60 minute winter	S07	2.000a	Tank02	0.7	0.582	0.134	0.0023	
60 minute winter	S08	2.001	S09	1.3	0.520	0.088	0.0276	
60 minute winter	S09	2.002	S10	1.3	0.381	0.090	0.0551	
60 minute winter	S10	2.003	S11	2.3	0.498	0.151	0.0210	
60 minute winter	S11	2.004	Tank01	2.5	0.857	0.458	0.0097	
60 minute winter	S12	3.000	Tank01	1.2	0.757	0.043	0.0016	
60 minute winter	S14	4.000	Tank01	0.3	0.420	0.046	0.0097	
60 minute winter	S15	1.007	S16	2.0	-0.137	0.044	0.0643	
60 minute winter	S16	1.008	S17	2.0	0.572	0.138	0.0470	16.7
60 minute winter	ACO	5.000	S16	0.3	0.433	0.044	0.0096	
60 minute winter	Tank02	2.000b	S08	-1.0	-0.567	-0.177	0.0023	

Results for 1 year 120 minute summer. 360 minute analysis at 2 minute timestep. Mass balance: 99.86%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute summer	S01	64	120.736	0.026	1.0	0.0171	0.0000	OK
120 minute summer	S02	64	120.643	0.038	2.0	0.0215	0.0000	OK
120 minute summer	S03	64	120.497	0.037	2.2	0.0135	0.0000	OK
120 minute summer	S04	64	120.470	0.050	3.4	0.0323	0.0000	OK
120 minute summer	S05	64	120.447	0.052	4.1	0.0262	0.0000	OK
120 minute summer	S06	92	120.402	0.077	5.9	0.0604	0.0000	OK
120 minute summer	Tank01	92	120.402	0.092	9.9	15.7571	0.0000	OK
120 minute summer	S07	74	120.531	0.030	0.6	0.0109	0.0000	OK
120 minute summer	S08	72	120.531	0.032	2.1	0.0285	0.0000	OK
120 minute summer	S09	72	120.451	0.031	1.4	0.0050	0.0000	OK
120 minute summer	S10	90	120.402	0.072	2.4	0.0314	0.0000	OK
120 minute summer	S11	92	120.402	0.091	2.3	0.0145	0.0000	OK
120 minute summer	S12	64	120.548	0.023	1.2	0.0158	0.0000	OK
120 minute summer	S14	92	120.402	0.091	0.3	0.0226	0.0000	OK
120 minute summer	S15	92	120.402	0.093	2.1	0.0262	0.0000	OK
120 minute summer	S16	92	120.401	0.121	2.3	0.1747	0.0000	OK
120 minute summer	ACO	64	120.512	0.012	0.2	0.0009	0.0000	OK
120 minute summer	S17	92	120.230	0.040	2.3	0.0000	0.0000	OK
120 minute summer	Tank02	74	120.531	0.031	1.4	1.7549	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	S01	1.000	S02	1.0	0.359	0.068	0.0424	
120 minute summer	S02	1.001	S03	2.0	0.579	0.134	0.0341	
120 minute summer	S03	1.002	S04	2.2	0.407	0.060	0.0427	
120 minute summer	S04	1.003	S05	3.4	0.504	0.094	0.0349	
120 minute summer	S05	1.004	S06	4.1	0.554	0.113	0.1074	
120 minute summer	S06	1.005	Tank01	5.8	0.991	0.122	0.0238	
120 minute summer	Tank01	1.006	S15	2.1	0.276	0.129	0.0153	
120 minute summer	S07	2.000a	Tank02	0.6	0.515	0.107	0.0026	
120 minute summer	S08	2.001	S09	1.4	0.529	0.093	0.0289	
120 minute summer	S09	2.002	S10	1.4	0.372	0.096	0.0662	
120 minute summer	S10	2.003	S11	2.3	0.446	0.153	0.0249	
120 minute summer	S11	2.004	Tank01	2.3	0.740	0.418	0.0112	
120 minute summer	S12	3.000	Tank01	1.2	0.757	0.043	0.0016	
120 minute summer	S14	4.000	Tank01	0.3	0.143	0.046	0.0112	
120 minute summer	S15	1.007	S16	2.1	0.123	0.047	0.0734	
120 minute summer	S16	1.008	S17	2.3	0.593	0.158	0.0516	22.2
120 minute summer	ACO	5.000	S16	0.2	0.383	0.030	0.0149	
120 minute summer	Tank02	2.000b	S08	-0.8	-0.450	-0.151	0.0027	

Results for 1 year 120 minute winter. 360 minute analysis at 2 minute timestep. Mass balance: 99.86%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute winter	S01	66	120.732	0.022	0.7	0.0144	0.0000	OK
120 minute winter	S02	66	120.637	0.032	1.4	0.0179	0.0000	OK
120 minute winter	S03	66	120.492	0.032	1.6	0.0115	0.0000	OK
120 minute winter	S04	64	120.462	0.042	2.4	0.0268	0.0000	OK
120 minute winter	S05	62	120.438	0.043	2.9	0.0217	0.0000	OK
120 minute winter	S06	96	120.402	0.077	4.1	0.0605	0.0000	OK
120 minute winter	Tank01	96	120.402	0.092	6.7	15.7673	0.0000	OK
120 minute winter	S07	78	120.530	0.029	0.4	0.0103	0.0000	OK
120 minute winter	S08	74	120.529	0.030	1.5	0.0268	0.0000	OK
120 minute winter	S09	76	120.449	0.029	1.3	0.0047	0.0000	OK
120 minute winter	S10	94	120.402	0.072	1.8	0.0314	0.0000	OK
120 minute winter	S11	96	120.402	0.091	1.8	0.0145	0.0000	OK
120 minute winter	S12	64	120.543	0.018	0.8	0.0129	0.0000	OK
120 minute winter	S14	96	120.402	0.091	0.2	0.0226	0.0000	OK
120 minute winter	S15	96	120.402	0.093	2.1	0.0262	0.0000	OK
120 minute winter	S16	96	120.401	0.121	2.3	0.1748	0.0000	OK
120 minute winter	ACO	64	120.512	0.012	0.2	0.0009	0.0000	OK
120 minute winter	S17	96	120.230	0.040	2.3	0.0000	0.0000	OK
120 minute winter	Tank02	78	120.529	0.029	0.9	1.6549	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	S01	1.000	S02	0.7	0.326	0.047	0.0328	
120 minute winter	S02	1.001	S03	1.4	0.524	0.094	0.0264	
120 minute winter	S03	1.002	S04	1.6	0.380	0.043	0.0333	
120 minute winter	S04	1.003	S05	2.4	0.467	0.067	0.0267	
120 minute winter	S05	1.004	S06	2.9	0.499	0.080	0.1015	
120 minute winter	S06	1.005	Tank01	4.1	0.996	0.085	0.0238	
120 minute winter	Tank01	1.006	S15	2.1	0.277	0.130	0.0153	
120 minute winter	S07	2.000a	Tank02	0.4	0.508	0.072	0.0024	
120 minute winter	S08	2.001	S09	1.3	0.512	0.083	0.0265	
120 minute winter	S09	2.002	S10	1.3	0.353	0.085	0.0656	
120 minute winter	S10	2.003	S11	1.8	0.418	0.116	0.0249	
120 minute winter	S11	2.004	Tank01	1.7	0.751	0.319	0.0113	
120 minute winter	S12	3.000	Tank01	0.8	0.675	0.028	0.0012	
120 minute winter	S14	4.000	Tank01	0.2	0.167	0.032	0.0112	
120 minute winter	S15	1.007	S16	2.1	0.123	0.047	0.0734	
120 minute winter	S16	1.008	S17	2.3	0.593	0.158	0.0516	22.2
120 minute winter	ACO	5.000	S16	0.2	0.383	0.030	0.0152	
120 minute winter	Tank02	2.000b	S08	-0.5	-0.364	-0.087	0.0024	

Results for 1 year 180 minute summer. 420 minute analysis at 4 minute timestep. Mass balance: 99.88%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute summer	S01	96	120.734	0.024	0.8	0.0154	0.0000	OK
180 minute summer	S02	96	120.639	0.034	1.6	0.0192	0.0000	OK
180 minute summer	S03	96	120.494	0.034	1.8	0.0122	0.0000	OK
180 minute summer	S04	96	120.465	0.044	2.7	0.0285	0.0000	OK
180 minute summer	S05	96	120.440	0.045	3.3	0.0230	0.0000	OK
180 minute summer	S06	128	120.407	0.082	4.7	0.0645	0.0000	OK
180 minute summer	Tank01	124	120.407	0.097	7.7	16.6390	0.0000	OK
180 minute summer	S07	104	120.530	0.029	0.4	0.0105	0.0000	OK
180 minute summer	S08	104	120.530	0.030	1.6	0.0274	0.0000	OK
180 minute summer	S09	104	120.450	0.030	1.3	0.0048	0.0000	OK
180 minute summer	S10	124	120.407	0.077	2.0	0.0337	0.0000	OK
180 minute summer	S11	124	120.407	0.096	1.9	0.0153	0.0000	OK
180 minute summer	S12	96	120.545	0.020	0.9	0.0136	0.0000	OK
180 minute summer	S14	124	120.407	0.096	0.3	0.0239	0.0000	OK
180 minute summer	S15	124	120.407	0.098	2.2	0.0277	0.0000	OK
180 minute summer	S16	124	120.407	0.127	2.4	0.1822	0.0000	OK
180 minute summer	ACO	96	120.512	0.012	0.2	0.0009	0.0000	OK
180 minute summer	S17	124	120.231	0.041	2.4	0.0000	0.0000	OK
180 minute summer	Tank02	104	120.530	0.030	0.9	1.6875	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	S01	1.000	S02	0.8	0.338	0.054	0.0361	
180 minute summer	S02	1.001	S03	1.6	0.545	0.107	0.0290	
180 minute summer	S03	1.002	S04	1.8	0.392	0.049	0.0363	
180 minute summer	S04	1.003	S05	2.7	0.481	0.075	0.0291	
180 minute summer	S05	1.004	S06	3.3	0.495	0.091	0.1087	
180 minute summer	S06	1.005	Tank01	4.7	0.917	0.097	0.0258	
180 minute summer	Tank01	1.006	S15	2.2	0.276	0.137	0.0165	
180 minute summer	S07	2.000a	Tank02	0.4	0.445	0.072	0.0024	
180 minute summer	S08	2.001	S09	1.3	0.518	0.087	0.0274	
180 minute summer	S09	2.002	S10	1.3	0.352	0.089	0.0709	
180 minute summer	S10	2.003	S11	1.9	0.366	0.124	0.0268	
180 minute summer	S11	2.004	Tank01	1.9	0.694	0.339	0.0120	
180 minute summer	S12	3.000	Tank01	0.9	0.698	0.032	0.0013	
180 minute summer	S14	4.000	Tank01	0.3	0.080	0.047	0.0120	
180 minute summer	S15	1.007	S16	2.2	0.123	0.049	0.0779	
180 minute summer	S16	1.008	S17	2.4	0.602	0.166	0.0536	26.3
180 minute summer	ACO	5.000	S16	0.2	0.383	0.029	0.0178	
180 minute summer	Tank02	2.000b	S08	-0.5	-0.298	-0.092	0.0025	

Results for 1 year 180 minute winter. 420 minute analysis at 4 minute timestep. Mass balance: 99.88%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute winter	S01	92	120.729	0.019	0.5	0.0123	0.0000	OK
180 minute winter	S02	92	120.632	0.027	1.0	0.0151	0.0000	OK
180 minute winter	S03	92	120.487	0.027	1.1	0.0097	0.0000	OK
180 minute winter	S04	92	120.455	0.035	1.7	0.0224	0.0000	OK
180 minute winter	S05	92	120.431	0.036	2.1	0.0184	0.0000	OK
180 minute winter	S06	132	120.404	0.079	3.1	0.0624	0.0000	OK
180 minute winter	Tank01	132	120.404	0.094	5.2	16.1890	0.0000	OK
180 minute winter	S07	104	120.528	0.027	0.3	0.0097	0.0000	OK
180 minute winter	S08	108	120.527	0.028	1.1	0.0254	0.0000	OK
180 minute winter	S09	108	120.448	0.028	1.1	0.0044	0.0000	OK
180 minute winter	S10	132	120.405	0.075	1.6	0.0325	0.0000	OK
180 minute winter	S11	132	120.405	0.094	1.6	0.0149	0.0000	OK
180 minute winter	S12	92	120.541	0.016	0.6	0.0112	0.0000	OK
180 minute winter	S14	132	120.404	0.093	0.2	0.0233	0.0000	OK
180 minute winter	S15	132	120.404	0.095	2.1	0.0269	0.0000	OK
180 minute winter	S16	132	120.404	0.124	2.4	0.1785	0.0000	OK
180 minute winter	ACO	72	120.509	0.009	0.1	0.0007	0.0000	OK
180 minute winter	S17	132	120.231	0.041	2.3	0.0000	0.0000	OK
180 minute winter	Tank02	108	120.528	0.028	0.6	1.5601	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	S01	1.000	S02	0.5	0.296	0.034	0.0258	
180 minute winter	S02	1.001	S03	1.0	0.476	0.067	0.0208	
180 minute winter	S03	1.002	S04	1.1	0.348	0.030	0.0256	
180 minute winter	S04	1.003	S05	1.7	0.423	0.047	0.0208	
180 minute winter	S05	1.004	S06	2.1	0.436	0.058	0.1037	
180 minute winter	S06	1.005	Tank01	3.1	0.937	0.064	0.0248	
180 minute winter	Tank01	1.006	S15	2.1	0.275	0.133	0.0159	
180 minute winter	S07	2.000a	Tank02	0.3	0.488	0.054	0.0022	
180 minute winter	S08	2.001	S09	1.1	0.495	0.074	0.0245	
180 minute winter	S09	2.002	S10	1.1	0.334	0.076	0.0673	
180 minute winter	S10	2.003	S11	1.6	0.352	0.103	0.0258	
180 minute winter	S11	2.004	Tank01	1.6	0.694	0.283	0.0116	
180 minute winter	S12	3.000	Tank01	0.6	0.622	0.021	0.0010	
180 minute winter	S14	4.000	Tank01	0.2	0.102	0.032	0.0116	
180 minute winter	S15	1.007	S16	2.1	0.123	0.048	0.0756	
180 minute winter	S16	1.008	S17	2.3	0.598	0.162	0.0526	26.0
180 minute winter	ACO	5.000	S16	0.1	0.312	0.015	0.0165	
180 minute winter	Tank02	2.000b	S08	0.4	-0.260	0.066	0.0022	

Results for 1 year 240 minute summer. 480 minute analysis at 4 minute timestep. Mass balance: 99.90%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute summer	S01	124	120.732	0.022	0.7	0.0143	0.0000	OK
240 minute summer	S02	124	120.636	0.031	1.4	0.0177	0.0000	OK
240 minute summer	S03	124	120.491	0.031	1.6	0.0114	0.0000	OK
240 minute summer	S04	124	120.461	0.041	2.4	0.0265	0.0000	OK
240 minute summer	S05	124	120.437	0.042	2.8	0.0213	0.0000	OK
240 minute summer	S06	160	120.409	0.084	4.0	0.0663	0.0000	OK
240 minute summer	Tank01	160	120.409	0.099	6.5	17.0445	0.0000	OK
240 minute summer	S07	136	120.530	0.029	0.4	0.0102	0.0000	OK
240 minute summer	S08	136	120.529	0.030	1.4	0.0266	0.0000	OK
240 minute summer	S09	136	120.449	0.029	1.2	0.0046	0.0000	OK
240 minute summer	S10	160	120.410	0.080	1.7	0.0347	0.0000	OK
240 minute summer	S11	160	120.410	0.099	1.7	0.0157	0.0000	OK
240 minute summer	S12	124	120.543	0.018	0.8	0.0128	0.0000	OK
240 minute summer	S14	160	120.409	0.098	0.2	0.0245	0.0000	OK
240 minute summer	S15	160	120.409	0.100	2.3	0.0283	0.0000	OK
240 minute summer	S16	160	120.409	0.129	2.5	0.1857	0.0000	OK
240 minute summer	ACO	124	120.512	0.012	0.2	0.0009	0.0000	OK
240 minute summer	S17	160	120.232	0.042	2.5	0.0000	0.0000	OK
240 minute summer	Tank02	136	120.529	0.029	0.8	1.6393	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	S01	1.000	S02	0.7	0.326	0.047	0.0323	
240 minute summer	S02	1.001	S03	1.4	0.520	0.091	0.0259	
240 minute summer	S03	1.002	S04	1.6	0.377	0.042	0.0326	
240 minute summer	S04	1.003	S05	2.3	0.464	0.065	0.0261	
240 minute summer	S05	1.004	S06	2.8	0.452	0.077	0.1127	
240 minute summer	S06	1.005	Tank01	4.0	0.829	0.082	0.0267	
240 minute summer	Tank01	1.006	S15	2.3	0.275	0.140	0.0170	
240 minute summer	S07	2.000a	Tank02	0.4	0.418	0.072	0.0023	
240 minute summer	S08	2.001	S09	1.2	0.509	0.082	0.0262	
240 minute summer	S09	2.002	S10	1.2	0.329	0.083	0.0726	
240 minute summer	S10	2.003	S11	1.7	0.345	0.111	0.0277	
240 minute summer	S11	2.004	Tank01	1.7	0.663	0.307	0.0123	
240 minute summer	S12	3.000	Tank01	0.8	0.674	0.028	0.0012	
240 minute summer	S14	4.000	Tank01	0.2	-0.063	0.033	0.0123	
240 minute summer	S15	1.007	S16	2.3	0.123	0.051	0.0800	
240 minute summer	S16	1.008	S17	2.5	0.606	0.170	0.0546	29.5
240 minute summer	ACO	5.000	S16	0.2	0.383	0.029	0.0189	
240 minute summer	Tank02	2.000b	S08	0.4	-0.255	0.072	0.0024	

Results for 1 year 240 minute winter. 480 minute analysis at 4 minute timestep. Mass balance: 99.89%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute winter	S01	116	120.727	0.017	0.4	0.0110	0.0000	OK
240 minute winter	S02	116	120.629	0.024	0.8	0.0135	0.0000	OK
240 minute winter	S03	120	120.484	0.024	0.9	0.0088	0.0000	OK
240 minute winter	S04	116	120.452	0.032	1.4	0.0203	0.0000	OK
240 minute winter	S05	120	120.428	0.033	1.7	0.0166	0.0000	OK
240 minute winter	S06	172	120.406	0.081	2.5	0.0637	0.0000	OK
240 minute winter	Tank01	172	120.406	0.096	4.3	16.4561	0.0000	OK
240 minute winter	S07	140	120.526	0.025	0.3	0.0090	0.0000	OK
240 minute winter	S08	140	120.525	0.026	1.0	0.0237	0.0000	OK
240 minute winter	S09	140	120.446	0.026	1.0	0.0042	0.0000	OK
240 minute winter	S10	172	120.406	0.076	1.4	0.0331	0.0000	OK
240 minute winter	S11	172	120.406	0.095	1.4	0.0151	0.0000	OK
240 minute winter	S12	116	120.540	0.015	0.5	0.0102	0.0000	OK
240 minute winter	S14	172	120.406	0.095	0.1	0.0236	0.0000	OK
240 minute winter	S15	172	120.406	0.097	2.2	0.0274	0.0000	OK
240 minute winter	S16	172	120.406	0.125	2.4	0.1807	0.0000	OK
240 minute winter	ACO	96	120.509	0.009	0.1	0.0007	0.0000	OK
240 minute winter	S17	172	120.231	0.041	2.4	0.0000	0.0000	OK
240 minute winter	Tank02	140	120.526	0.026	0.4	1.4546	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	S01	1.000	S02	0.4	0.277	0.027	0.0220	
240 minute winter	S02	1.001	S03	0.8	0.447	0.054	0.0177	
240 minute winter	S03	1.002	S04	0.9	0.330	0.024	0.0222	
240 minute winter	S04	1.003	S05	1.4	0.403	0.039	0.0180	
240 minute winter	S05	1.004	S06	1.7	0.407	0.047	0.1067	
240 minute winter	S06	1.005	Tank01	2.5	0.869	0.052	0.0254	
240 minute winter	Tank01	1.006	S15	2.2	0.276	0.135	0.0162	
240 minute winter	S07	2.000a	Tank02	0.3	0.405	0.053	0.0020	
240 minute winter	S08	2.001	S09	1.0	0.476	0.065	0.0222	
240 minute winter	S09	2.002	S10	1.0	0.320	0.066	0.0679	
240 minute winter	S10	2.003	S11	1.4	0.323	0.089	0.0264	
240 minute winter	S11	2.004	Tank01	1.3	0.632	0.245	0.0118	
240 minute winter	S12	3.000	Tank01	0.5	0.591	0.018	0.0008	
240 minute winter	S14	4.000	Tank01	0.1	0.077	0.018	0.0118	
240 minute winter	S15	1.007	S16	2.2	0.123	0.049	0.0770	
240 minute winter	S16	1.008	S17	2.4	0.600	0.165	0.0532	29.4
240 minute winter	ACO	5.000	S16	0.1	0.312	0.015	0.0173	
240 minute winter	Tank02	2.000b	S08	0.3	-0.251	0.057	0.0020	

Results for 1 year 360 minute summer. 600 minute analysis at 8 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
360 minute summer	S01	184	120.729	0.019	0.5	0.0122	0.0000	OK
360 minute summer	S02	184	120.632	0.027	1.0	0.0150	0.0000	OK
360 minute summer	S03	184	120.486	0.026	1.1	0.0096	0.0000	OK
360 minute summer	S04	184	120.455	0.035	1.7	0.0222	0.0000	OK
360 minute summer	S05	184	120.431	0.036	2.1	0.0182	0.0000	OK
360 minute summer	S06	224	120.407	0.082	2.9	0.0643	0.0000	OK
360 minute summer	Tank01	224	120.407	0.097	5.0	16.5942	0.0000	OK
360 minute summer	S07	192	120.528	0.027	0.3	0.0096	0.0000	OK
360 minute summer	S08	192	120.527	0.028	1.1	0.0252	0.0000	OK
360 minute summer	S09	192	120.448	0.028	1.1	0.0044	0.0000	OK
360 minute summer	S10	224	120.407	0.077	1.5	0.0335	0.0000	OK
360 minute summer	S11	224	120.407	0.096	1.5	0.0152	0.0000	OK
360 minute summer	S12	184	120.541	0.016	0.6	0.0111	0.0000	OK
360 minute summer	S14	224	120.407	0.096	0.2	0.0238	0.0000	OK
360 minute summer	S15	224	120.407	0.097	2.2	0.0276	0.0000	OK
360 minute summer	S16	224	120.406	0.126	2.4	0.1819	0.0000	OK
360 minute summer	ACO	168	120.509	0.009	0.1	0.0007	0.0000	OK
360 minute summer	S17	224	120.231	0.041	2.4	0.0000	0.0000	OK
360 minute summer	Tank02	200	120.527	0.027	0.5	1.5534	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	S01	1.000	S02	0.5	0.296	0.034	0.0255	
360 minute summer	S02	1.001	S03	1.0	0.473	0.066	0.0205	
360 minute summer	S03	1.002	S04	1.1	0.337	0.029	0.0252	
360 minute summer	S04	1.003	S05	1.7	0.420	0.046	0.0205	
360 minute summer	S05	1.004	S06	2.0	0.399	0.056	0.1076	
360 minute summer	S06	1.005	Tank01	2.9	0.643	0.060	0.0257	
360 minute summer	Tank01	1.006	S15	2.2	0.277	0.136	0.0164	
360 minute summer	S07	2.000a	Tank02	0.3	0.375	0.054	0.0022	
360 minute summer	S08	2.001	S09	1.1	0.493	0.073	0.0242	
360 minute summer	S09	2.002	S10	1.1	0.307	0.074	0.0690	
360 minute summer	S10	2.003	S11	1.5	0.280	0.096	0.0267	
360 minute summer	S11	2.004	Tank01	1.5	0.480	0.265	0.0120	
360 minute summer	S12	3.000	Tank01	0.6	0.621	0.021	0.0010	
360 minute summer	S14	4.000	Tank01	0.2	-0.048	0.032	0.0119	
360 minute summer	S15	1.007	S16	2.2	0.123	0.049	0.0777	
360 minute summer	S16	1.008	S17	2.4	0.602	0.166	0.0535	33.3
360 minute summer	ACO	5.000	S16	0.1	0.312	0.015	0.0173	
360 minute summer	Tank02	2.000b	S08	0.4	-0.192	0.064	0.0022	

Results for 1 year 360 minute winter. 600 minute analysis at 8 minute timestep. Mass balance: 99.92%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute winter	S01	160	120.725	0.015	0.3	0.0096	0.0000	OK
360 minute winter	S02	168	120.626	0.021	0.6	0.0117	0.0000	OK
360 minute winter	S03	168	120.481	0.021	0.7	0.0078	0.0000	OK
360 minute winter	S04	176	120.448	0.028	1.1	0.0179	0.0000	OK
360 minute winter	S05	176	120.424	0.029	1.3	0.0146	0.0000	OK
360 minute winter	S06	240	120.404	0.079	1.9	0.0619	0.0000	OK
360 minute winter	Tank01	240	120.404	0.094	3.5	16.0838	0.0000	OK
360 minute winter	S07	208	120.524	0.023	0.2	0.0084	0.0000	OK
360 minute winter	S08	200	120.523	0.024	0.8	0.0220	0.0000	OK
360 minute winter	S09	200	120.444	0.024	0.8	0.0038	0.0000	OK
360 minute winter	S10	240	120.404	0.074	1.1	0.0322	0.0000	OK
360 minute winter	S11	240	120.404	0.093	1.1	0.0148	0.0000	OK
360 minute winter	S12	176	120.538	0.013	0.4	0.0091	0.0000	OK
360 minute winter	S14	240	120.404	0.093	0.1	0.0231	0.0000	OK
360 minute winter	S15	240	120.404	0.094	2.1	0.0267	0.0000	OK
360 minute winter	S16	240	120.403	0.123	2.3	0.1776	0.0000	OK
360 minute winter	ACO	160	120.509	0.009	0.1	0.0007	0.0000	OK
360 minute winter	S17	240	120.231	0.041	2.3	0.0000	0.0000	OK
360 minute winter	Tank02	208	120.524	0.024	0.3	1.3485	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	S01	1.000	S02	0.3	0.255	0.020	0.0180	
360 minute winter	S02	1.001	S03	0.6	0.411	0.040	0.0144	
360 minute winter	S03	1.002	S04	0.7	0.310	0.019	0.0186	
360 minute winter	S04	1.003	S05	1.1	0.380	0.031	0.0150	
360 minute winter	S05	1.004	S06	1.3	0.373	0.036	0.1024	
360 minute winter	S06	1.005	Tank01	1.9	0.717	0.039	0.0245	
360 minute winter	Tank01	1.006	S15	2.1	0.273	0.131	0.0157	
360 minute winter	S07	2.000a	Tank02	0.2	0.385	0.037	0.0018	
360 minute winter	S08	2.001	S09	0.8	0.456	0.056	0.0199	
360 minute winter	S09	2.002	S10	0.8	0.301	0.057	0.0649	
360 minute winter	S10	2.003	S11	1.1	0.285	0.073	0.0256	
360 minute winter	S11	2.004	Tank01	1.1	0.570	0.203	0.0115	
360 minute winter	S12	3.000	Tank01	0.4	0.555	0.014	0.0007	
360 minute winter	S14	4.000	Tank01	0.1	-0.063	0.018	0.0115	
360 minute winter	S15	1.007	S16	2.1	0.122	0.048	0.0751	
360 minute winter	S16	1.008	S17	2.3	0.597	0.161	0.0524	34.4
360 minute winter	ACO	5.000	S16	0.1	0.312	0.015	0.0155	
360 minute winter	Tank02	2.000b	S08	0.2	-0.232	0.045	0.0018	

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

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute summer	S01	240	120.727	0.017	0.4	0.0110	0.0000	OK
480 minute summer	S02	240	120.629	0.024	0.8	0.0135	0.0000	OK
480 minute summer	S03	240	120.484	0.024	0.9	0.0088	0.0000	OK
480 minute summer	S04	248	120.452	0.032	1.4	0.0203	0.0000	OK
480 minute summer	S05	248	120.428	0.033	1.7	0.0166	0.0000	OK
480 minute summer	S06	296	120.407	0.082	2.4	0.0648	0.0000	OK
480 minute summer	Tank01	296	120.407	0.097	4.2	16.7037	0.0000	OK
480 minute summer	S07	256	120.526	0.025	0.2	0.0089	0.0000	OK
480 minute summer	S08	256	120.525	0.026	1.0	0.0235	0.0000	OK
480 minute summer	S09	256	120.446	0.026	1.0	0.0041	0.0000	OK
480 minute summer	S10	288	120.408	0.078	1.4	0.0338	0.0000	OK
480 minute summer	S11	296	120.408	0.096	1.3	0.0153	0.0000	OK
480 minute summer	S12	248	120.540	0.015	0.5	0.0102	0.0000	OK
480 minute summer	S14	296	120.407	0.096	0.1	0.0240	0.0000	OK
480 minute summer	S15	296	120.407	0.098	2.2	0.0278	0.0000	OK
480 minute summer	S16	296	120.407	0.127	2.4	0.1828	0.0000	OK
480 minute summer	ACO	224	120.509	0.009	0.1	0.0007	0.0000	OK
480 minute summer	S17	296	120.231	0.041	2.4	0.0000	0.0000	OK
480 minute summer	Tank02	256	120.525	0.025	0.4	1.4382	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	S01	1.000	S02	0.4	0.277	0.027	0.0220	
480 minute summer	S02	1.001	S03	0.8	0.447	0.054	0.0177	
480 minute summer	S03	1.002	S04	0.9	0.330	0.024	0.0222	
480 minute summer	S04	1.003	S05	1.4	0.403	0.039	0.0180	
480 minute summer	S05	1.004	S06	1.7	0.374	0.047	0.1087	
480 minute summer	S06	1.005	Tank01	2.4	0.560	0.049	0.0259	
480 minute summer	Tank01	1.006	S15	2.2	0.275	0.136	0.0165	
480 minute summer	S07	2.000a	Tank02	0.2	0.327	0.037	0.0019	
480 minute summer	S08	2.001	S09	1.0	0.474	0.064	0.0220	
480 minute summer	S09	2.002	S10	1.0	0.302	0.065	0.0693	
480 minute summer	S10	2.003	S11	1.3	0.260	0.087	0.0269	
480 minute summer	S11	2.004	Tank01	1.3	0.488	0.242	0.0120	
480 minute summer	S12	3.000	Tank01	0.5	0.591	0.018	0.0008	
480 minute summer	S14	4.000	Tank01	0.1	0.044	0.018	0.0120	
480 minute summer	S15	1.007	S16	2.2	0.123	0.049	0.0783	
480 minute summer	S16	1.008	S17	2.4	0.603	0.167	0.0538	37.0
480 minute summer	ACO	5.000	S16	0.1	0.312	0.015	0.0177	
480 minute summer	Tank02	2.000b	S08	0.3	0.182	0.051	0.0020	

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

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute winter	S01	232	120.725	0.015	0.3	0.0096	0.0000	OK
480 minute winter	S02	240	120.626	0.021	0.6	0.0117	0.0000	OK
480 minute winter	S03	240	120.481	0.021	0.7	0.0078	0.0000	OK
480 minute winter	S04	240	120.447	0.027	1.0	0.0171	0.0000	OK
480 minute winter	S05	240	120.423	0.028	1.2	0.0141	0.0000	OK
480 minute winter	S06	312	120.400	0.075	1.7	0.0587	0.0000	OK
480 minute winter	Tank01	312	120.400	0.090	3.1	15.3685	0.0000	OK
480 minute winter	S07	256	120.523	0.022	0.2	0.0079	0.0000	OK
480 minute winter	S08	256	120.522	0.023	0.7	0.0206	0.0000	OK
480 minute winter	S09	256	120.443	0.023	0.7	0.0036	0.0000	OK
480 minute winter	S10	312	120.400	0.070	1.0	0.0304	0.0000	OK
480 minute winter	S11	312	120.400	0.089	1.0	0.0141	0.0000	OK
480 minute winter	S12	216	120.536	0.011	0.3	0.0079	0.0000	OK
480 minute winter	S14	312	120.400	0.089	0.1	0.0221	0.0000	OK
480 minute winter	S15	312	120.399	0.090	2.0	0.0256	0.0000	OK
480 minute winter	S16	312	120.399	0.119	2.2	0.1716	0.0000	OK
480 minute winter	ACO	216	120.509	0.009	0.1	0.0007	0.0000	OK
480 minute winter	S17	312	120.230	0.040	2.2	0.0000	0.0000	OK
480 minute winter	Tank02	256	120.522	0.022	0.2	1.2592	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	S01	1.000	S02	0.3	0.255	0.020	0.0180	
480 minute winter	S02	1.001	S03	0.6	0.411	0.040	0.0144	
480 minute winter	S03	1.002	S04	0.7	0.310	0.019	0.0178	
480 minute winter	S04	1.003	S05	1.0	0.368	0.028	0.0141	
480 minute winter	S05	1.004	S06	1.2	0.354	0.033	0.0948	
480 minute winter	S06	1.005	Tank01	1.7	0.592	0.035	0.0229	
480 minute winter	Tank01	1.006	S15	2.0	0.273	0.124	0.0148	
480 minute winter	S07	2.000a	Tank02	0.2	0.358	0.036	0.0016	
480 minute winter	S08	2.001	S09	0.7	0.439	0.049	0.0182	
480 minute winter	S09	2.002	S10	0.7	0.288	0.050	0.0601	
480 minute winter	S10	2.003	S11	1.0	0.258	0.067	0.0240	
480 minute winter	S11	2.004	Tank01	1.0	0.483	0.185	0.0109	
480 minute winter	S12	3.000	Tank01	0.3	0.509	0.011	0.0006	
480 minute winter	S14	4.000	Tank01	0.1	-0.048	0.018	0.0109	
480 minute winter	S15	1.007	S16	2.0	0.122	0.045	0.0714	
480 minute winter	S16	1.008	S17	2.2	0.589	0.153	0.0506	37.3
480 minute winter	ACO	5.000	S16	0.1	0.312	0.015	0.0135	
480 minute winter	Tank02	2.000b	S08	0.2	-0.180	0.036	0.0017	

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

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute summer	S01	300	120.725	0.015	0.3	0.0096	0.0000	OK
600 minute summer	S02	300	120.626	0.021	0.6	0.0117	0.0000	OK
600 minute summer	S03	300	120.481	0.021	0.7	0.0078	0.0000	OK
600 minute summer	S04	315	120.448	0.028	1.1	0.0179	0.0000	OK
600 minute summer	S05	315	120.425	0.030	1.4	0.0152	0.0000	OK
600 minute summer	S06	360	120.404	0.079	2.0	0.0620	0.0000	OK
600 minute summer	Tank01	360	120.404	0.094	3.5	16.0983	0.0000	OK
600 minute summer	S07	330	120.524	0.023	0.2	0.0084	0.0000	OK
600 minute summer	S08	315	120.523	0.024	0.8	0.0218	0.0000	OK
600 minute summer	S09	315	120.444	0.024	0.8	0.0038	0.0000	OK
600 minute summer	S10	360	120.404	0.074	1.1	0.0322	0.0000	OK
600 minute summer	S11	360	120.404	0.093	1.1	0.0148	0.0000	OK
600 minute summer	S12	315	120.538	0.013	0.4	0.0091	0.0000	OK
600 minute summer	S14	360	120.404	0.093	0.1	0.0231	0.0000	OK
600 minute summer	S15	360	120.404	0.095	2.1	0.0268	0.0000	OK
600 minute summer	S16	360	120.403	0.123	2.3	0.1777	0.0000	OK
600 minute summer	ACO	285	120.509	0.009	0.1	0.0007	0.0000	OK
600 minute summer	S17	360	120.231	0.041	2.3	0.0000	0.0000	OK
600 minute summer	Tank02	330	120.524	0.024	0.3	1.3449	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	S01	1.000	S02	0.3	0.255	0.020	0.0180	
600 minute summer	S02	1.001	S03	0.6	0.411	0.040	0.0144	
600 minute summer	S03	1.002	S04	0.7	0.310	0.019	0.0185	
600 minute summer	S04	1.003	S05	1.1	0.371	0.031	0.0154	
600 minute summer	S05	1.004	S06	1.4	0.352	0.038	0.1012	
600 minute summer	S06	1.005	Tank01	2.0	0.530	0.041	0.0246	
600 minute summer	Tank01	1.006	S15	2.1	0.277	0.130	0.0157	
600 minute summer	S07	2.000a	Tank02	0.2	0.280	0.037	0.0018	
600 minute summer	S08	2.001	S09	0.8	0.454	0.055	0.0197	
600 minute summer	S09	2.002	S10	0.8	0.306	0.056	0.0652	
600 minute summer	S10	2.003	S11	1.1	0.255	0.072	0.0256	
600 minute summer	S11	2.004	Tank01	1.1	0.470	0.200	0.0115	
600 minute summer	S12	3.000	Tank01	0.4	0.555	0.014	0.0007	
600 minute summer	S14	4.000	Tank01	0.1	0.036	0.018	0.0115	
600 minute summer	S15	1.007	S16	2.1	0.122	0.047	0.0752	
600 minute summer	S16	1.008	S17	2.3	0.597	0.161	0.0524	39.3
600 minute summer	ACO	5.000	S16	0.1	0.312	0.015	0.0155	
600 minute summer	Tank02	2.000b	S08	0.2	0.166	0.041	0.0018	

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

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute winter	S01	255	120.722	0.012	0.2	0.0080	0.0000	OK
600 minute winter	S02	255	120.622	0.017	0.4	0.0096	0.0000	OK
600 minute winter	S03	285	120.478	0.018	0.5	0.0067	0.0000	OK
600 minute winter	S04	300	120.444	0.024	0.8	0.0153	0.0000	OK
600 minute winter	S05	300	120.421	0.026	1.0	0.0129	0.0000	OK
600 minute winter	S06	375	120.394	0.069	1.4	0.0546	0.0000	OK
600 minute winter	Tank01	375	120.394	0.084	2.6	14.4726	0.0000	OK
600 minute winter	S07	330	120.520	0.019	0.1	0.0068	0.0000	OK
600 minute winter	S08	330	120.520	0.020	0.6	0.0184	0.0000	OK
600 minute winter	S09	330	120.440	0.020	0.6	0.0032	0.0000	OK
600 minute winter	S10	375	120.395	0.065	0.8	0.0281	0.0000	OK
600 minute winter	S11	375	120.395	0.083	0.8	0.0133	0.0000	OK
600 minute winter	S12	300	120.536	0.011	0.3	0.0079	0.0000	OK
600 minute winter	S14	375	120.394	0.083	0.1	0.0208	0.0000	OK
600 minute winter	S15	375	120.394	0.085	1.9	0.0241	0.0000	OK
600 minute winter	S16	375	120.394	0.114	2.1	0.1641	0.0000	OK
600 minute winter	ACO	285	120.509	0.009	0.1	0.0007	0.0000	OK
600 minute winter	S17	375	120.228	0.038	2.1	0.0000	0.0000	OK
600 minute winter	Tank02	330	120.520	0.020	0.2	1.1156	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	S01	1.000	S02	0.2	0.226	0.014	0.0135	
600 minute winter	S02	1.001	S03	0.4	0.364	0.027	0.0109	
600 minute winter	S03	1.002	S04	0.5	0.286	0.014	0.0147	
600 minute winter	S04	1.003	S05	0.8	0.342	0.022	0.0121	
600 minute winter	S05	1.004	S06	1.0	0.328	0.027	0.0869	
600 minute winter	S06	1.005	Tank01	1.5	0.518	0.031	0.0210	
600 minute winter	Tank01	1.006	S15	1.9	0.270	0.115	0.0137	
600 minute winter	S07	2.000a	Tank02	0.1	0.309	0.018	0.0013	
600 minute winter	S08	2.001	S09	0.6	0.411	0.039	0.0155	
600 minute winter	S09	2.002	S10	0.6	0.297	0.040	0.0544	
600 minute winter	S10	2.003	S11	0.8	0.258	0.051	0.0220	
600 minute winter	S11	2.004	Tank01	0.8	0.472	0.141	0.0101	
600 minute winter	S12	3.000	Tank01	0.3	0.509	0.011	0.0006	
600 minute winter	S14	4.000	Tank01	0.1	0.036	0.018	0.0101	
600 minute winter	S15	1.007	S16	1.9	0.122	0.042	0.0668	
600 minute winter	S16	1.008	S17	2.1	0.578	0.144	0.0483	38.6
600 minute winter	ACO	5.000	S16	0.1	0.312	0.015	0.0101	
600 minute winter	Tank02	2.000b	S08	0.2	-0.161	0.029	0.0014	

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

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute summer	S01	360	120.725	0.015	0.3	0.0096	0.0000	OK
720 minute summer	S02	360	120.626	0.021	0.6	0.0117	0.0000	OK
720 minute summer	S03	360	120.481	0.021	0.7	0.0078	0.0000	OK
720 minute summer	S04	375	120.448	0.028	1.1	0.0179	0.0000	OK
720 minute summer	S05	375	120.424	0.029	1.3	0.0146	0.0000	OK
720 minute summer	S06	420	120.402	0.077	1.9	0.0602	0.0000	OK
720 minute summer	Tank01	420	120.402	0.092	3.4	15.6940	0.0000	OK
720 minute summer	S07	375	120.524	0.023	0.2	0.0082	0.0000	OK
720 minute summer	S08	375	120.523	0.024	0.8	0.0215	0.0000	OK
720 minute summer	S09	375	120.444	0.024	0.8	0.0038	0.0000	OK
720 minute summer	S10	420	120.402	0.072	1.1	0.0312	0.0000	OK
720 minute summer	S11	420	120.402	0.091	1.1	0.0144	0.0000	OK
720 minute summer	S12	375	120.538	0.013	0.4	0.0091	0.0000	OK
720 minute summer	S14	420	120.402	0.091	0.1	0.0225	0.0000	OK
720 minute summer	S15	420	120.401	0.092	2.0	0.0261	0.0000	OK
720 minute summer	S16	420	120.401	0.121	2.3	0.1743	0.0000	OK
720 minute summer	ACO	345	120.509	0.009	0.1	0.0007	0.0000	OK
720 minute summer	S17	420	120.230	0.040	2.3	0.0000	0.0000	OK
720 minute summer	Tank02	375	120.523	0.023	0.2	1.3092	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	S01	1.000	S02	0.3	0.255	0.020	0.0180	
720 minute summer	S02	1.001	S03	0.6	0.411	0.040	0.0144	
720 minute summer	S03	1.002	S04	0.7	0.310	0.019	0.0186	
720 minute summer	S04	1.003	S05	1.1	0.380	0.031	0.0150	
720 minute summer	S05	1.004	S06	1.3	0.344	0.036	0.0977	
720 minute summer	S06	1.005	Tank01	1.9	0.504	0.039	0.0237	
720 minute summer	Tank01	1.006	S15	2.0	0.274	0.127	0.0152	
720 minute summer	S07	2.000a	Tank02	0.2	0.250	0.036	0.0017	
720 minute summer	S08	2.001	S09	0.8	0.451	0.053	0.0194	
720 minute summer	S09	2.002	S10	0.8	0.313	0.054	0.0626	
720 minute summer	S10	2.003	S11	1.1	0.251	0.071	0.0247	
720 minute summer	S11	2.004	Tank01	1.1	0.501	0.196	0.0112	
720 minute summer	S12	3.000	Tank01	0.4	0.555	0.014	0.0007	
720 minute summer	S14	4.000	Tank01	0.1	0.032	0.018	0.0112	
720 minute summer	S15	1.007	S16	2.0	0.121	0.046	0.0731	
720 minute summer	S16	1.008	S17	2.3	0.593	0.157	0.0515	40.3
720 minute summer	ACO	5.000	S16	0.1	0.312	0.015	0.0144	
720 minute summer	Tank02	2.000b	S08	0.2	0.163	0.041	0.0018	

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

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute winter	S01	315	120.722	0.012	0.2	0.0080	0.0000	OK
720 minute winter	S02	315	120.622	0.017	0.4	0.0096	0.0000	OK
720 minute winter	S03	375	120.478	0.018	0.5	0.0067	0.0000	OK
720 minute winter	S04	375	120.442	0.022	0.7	0.0142	0.0000	OK
720 minute winter	S05	375	120.419	0.024	0.9	0.0123	0.0000	OK
720 minute winter	S06	450	120.388	0.063	1.3	0.0496	0.0000	OK
720 minute winter	Tank01	450	120.388	0.078	2.8	13.3874	0.0000	OK
720 minute winter	S07	420	120.519	0.018	0.1	0.0063	0.0000	OK
720 minute winter	S08	420	120.518	0.019	0.5	0.0170	0.0000	OK
720 minute winter	S09	420	120.439	0.019	0.5	0.0030	0.0000	OK
720 minute winter	S10	450	120.388	0.058	0.7	0.0253	0.0000	OK
720 minute winter	S11	450	120.388	0.077	0.7	0.0123	0.0000	OK
720 minute winter	S12	300	120.534	0.009	0.2	0.0066	0.0000	OK
720 minute winter	S14	450	120.388	0.077	0.1	0.0192	0.0000	OK
720 minute winter	S15	450	120.388	0.079	1.7	0.0223	0.0000	OK
720 minute winter	S16	450	120.388	0.108	1.9	0.1549	0.0000	OK
720 minute winter	ACO	375	120.509	0.009	0.1	0.0007	0.0000	OK
720 minute winter	S17	450	120.227	0.037	1.9	0.0000	0.0000	OK
720 minute winter	Tank02	420	120.518	0.018	0.2	1.0333	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	S01	1.000	S02	0.2	0.226	0.014	0.0135	
720 minute winter	S02	1.001	S03	0.4	0.364	0.027	0.0109	
720 minute winter	S03	1.002	S04	0.5	0.286	0.014	0.0138	
720 minute winter	S04	1.003	S05	0.7	0.326	0.019	0.0111	
720 minute winter	S05	1.004	S06	0.9	0.326	0.025	0.0770	
720 minute winter	S06	1.005	Tank01	1.8	0.547	0.038	0.0187	
720 minute winter	Tank01	1.006	S15	1.7	0.275	0.106	0.0123	
720 minute winter	S07	2.000a	Tank02	0.1	0.286	0.018	0.0012	
720 minute winter	S08	2.001	S09	0.5	0.391	0.033	0.0138	
720 minute winter	S09	2.002	S10	0.5	0.289	0.034	0.0480	
720 minute winter	S10	2.003	S11	0.7	0.246	0.045	0.0196	
720 minute winter	S11	2.004	Tank01	0.7	0.445	0.126	0.0092	
720 minute winter	S12	3.000	Tank01	0.2	0.451	0.007	0.0004	
720 minute winter	S14	4.000	Tank01	0.1	0.030	0.018	0.0092	
720 minute winter	S15	1.007	S16	1.7	0.123	0.038	0.0613	
720 minute winter	S16	1.008	S17	1.9	0.564	0.132	0.0454	39.8
720 minute winter	ACO	5.000	S16	0.1	0.307	0.015	0.0071	
720 minute winter	Tank02	2.000b	S08	0.1	-0.153	0.027	0.0012	

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

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute summer	S01	495	120.725	0.015	0.3	0.0096	0.0000	OK
960 minute summer	S02	495	120.626	0.021	0.6	0.0117	0.0000	OK
960 minute summer	S03	495	120.481	0.021	0.7	0.0078	0.0000	OK
960 minute summer	S04	495	120.447	0.027	1.0	0.0171	0.0000	OK
960 minute summer	S05	495	120.423	0.028	1.2	0.0141	0.0000	OK
960 minute summer	S06	540	120.394	0.069	1.7	0.0542	0.0000	OK
960 minute summer	Tank01	540	120.394	0.084	3.0	14.3948	0.0000	OK
960 minute summer	S07	510	120.520	0.019	0.1	0.0068	0.0000	OK
960 minute summer	S08	510	120.520	0.020	0.6	0.0185	0.0000	OK
960 minute summer	S09	510	120.440	0.020	0.6	0.0032	0.0000	OK
960 minute summer	S10	540	120.394	0.064	0.9	0.0279	0.0000	OK
960 minute summer	S11	540	120.394	0.083	0.9	0.0132	0.0000	OK
960 minute summer	S12	480	120.536	0.011	0.3	0.0079	0.0000	OK
960 minute summer	S14	540	120.394	0.083	0.1	0.0207	0.0000	OK
960 minute summer	S15	540	120.394	0.085	1.9	0.0239	0.0000	OK
960 minute summer	S16	540	120.394	0.113	2.1	0.1634	0.0000	OK
960 minute summer	ACO	480	120.509	0.009	0.1	0.0007	0.0000	OK
960 minute summer	S17	540	120.228	0.038	2.1	0.0000	0.0000	OK
960 minute summer	Tank02	510	120.520	0.020	0.1	1.1172	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	S01	1.000	S02	0.3	0.255	0.020	0.0180	
960 minute summer	S02	1.001	S03	0.6	0.411	0.040	0.0144	
960 minute summer	S03	1.002	S04	0.7	0.310	0.019	0.0178	
960 minute summer	S04	1.003	S05	1.0	0.368	0.028	0.0141	
960 minute summer	S05	1.004	S06	1.2	0.322	0.033	0.0862	
960 minute summer	S06	1.005	Tank01	1.7	0.377	0.035	0.0208	
960 minute summer	Tank01	1.006	S15	1.9	0.275	0.116	0.0136	
960 minute summer	S07	2.000a	Tank02	0.1	0.208	0.018	0.0013	
960 minute summer	S08	2.001	S09	0.6	0.411	0.039	0.0155	
960 minute summer	S09	2.002	S10	0.6	0.313	0.040	0.0547	
960 minute summer	S10	2.003	S11	0.9	0.245	0.057	0.0219	
960 minute summer	S11	2.004	Tank01	0.9	0.485	0.156	0.0101	
960 minute summer	S12	3.000	Tank01	0.3	0.509	0.011	0.0006	
960 minute summer	S14	4.000	Tank01	0.1	0.027	0.018	0.0101	
960 minute summer	S15	1.007	S16	1.9	0.122	0.042	0.0664	
960 minute summer	S16	1.008	S17	2.1	0.577	0.143	0.0481	41.5
960 minute summer	ACO	5.000	S16	0.1	0.312	0.015	0.0099	
960 minute summer	Tank02	2.000b	S08	0.2	0.150	0.029	0.0014	

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

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute winter	S01	465	120.722	0.012	0.2	0.0080	0.0000	OK
960 minute winter	S02	465	120.622	0.017	0.4	0.0096	0.0000	OK
960 minute winter	S03	465	120.477	0.017	0.4	0.0060	0.0000	OK
960 minute winter	S04	465	120.441	0.021	0.6	0.0133	0.0000	OK
960 minute winter	S05	465	120.417	0.022	0.7	0.0109	0.0000	OK
960 minute winter	S06	555	120.381	0.056	1.0	0.0438	0.0000	OK
960 minute winter	Tank01	555	120.381	0.071	2.8	12.1343	0.0000	OK
960 minute winter	S07	510	120.519	0.017	0.1	0.0063	0.0000	OK
960 minute winter	S08	510	120.518	0.019	0.5	0.0169	0.0000	OK
960 minute winter	S09	510	120.439	0.019	0.5	0.0030	0.0000	OK
960 minute winter	S10	555	120.381	0.051	0.7	0.0222	0.0000	OK
960 minute winter	S11	555	120.381	0.070	0.7	0.0111	0.0000	OK
960 minute winter	S12	420	120.534	0.009	0.2	0.0066	0.0000	OK
960 minute winter	S14	540	120.381	0.070	0.1	0.0173	0.0000	OK
960 minute winter	S15	555	120.380	0.071	1.5	0.0202	0.0000	OK
960 minute winter	S16	555	120.380	0.100	1.7	0.1444	0.0000	OK
960 minute winter	ACO	15	120.500	0.000	0.0	0.0000	0.0000	OK
960 minute winter	S17	555	120.225	0.035	1.7	0.0000	0.0000	OK
960 minute winter	Tank02	510	120.518	0.018	0.1	1.0228	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	S01	1.000	S02	0.2	0.226	0.014	0.0135	
960 minute winter	S02	1.001	S03	0.4	0.364	0.027	0.0109	
960 minute winter	S03	1.002	S04	0.4	0.259	0.011	0.0122	
960 minute winter	S04	1.003	S05	0.6	0.322	0.017	0.0097	
960 minute winter	S05	1.004	S06	0.7	0.301	0.019	0.0650	
960 minute winter	S06	1.005	Tank01	1.8	0.490	0.038	0.0160	
960 minute winter	Tank01	1.006	S15	1.5	0.278	0.094	0.0107	
960 minute winter	S07	2.000a	Tank02	0.1	0.214	0.018	0.0012	
960 minute winter	S08	2.001	S09	0.5	0.389	0.032	0.0136	
960 minute winter	S09	2.002	S10	0.5	0.319	0.033	0.0411	
960 minute winter	S10	2.003	S11	0.7	0.233	0.044	0.0169	
960 minute winter	S11	2.004	Tank01	0.7	0.485	0.123	0.0081	
960 minute winter	S12	3.000	Tank01	0.2	0.451	0.007	0.0004	
960 minute winter	S14	4.000	Tank01	0.1	-0.024	0.019	0.0081	
960 minute winter	S15	1.007	S16	1.5	0.123	0.034	0.0550	
960 minute winter	S16	1.008	S17	1.7	0.547	0.118	0.0418	42.8
960 minute winter	ACO	5.000	S16	0.0	0.000	0.000	0.0040	
960 minute winter	Tank02	2.000b	S08	0.1	0.141	0.026	0.0012	

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

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute summer	S01	720	120.722	0.012	0.2	0.0080	0.0000	OK
1440 minute summer	S02	720	120.622	0.017	0.4	0.0096	0.0000	OK
1440 minute summer	S03	720	120.477	0.017	0.4	0.0060	0.0000	OK
1440 minute summer	S04	720	120.441	0.021	0.6	0.0133	0.0000	OK
1440 minute summer	S05	720	120.417	0.022	0.7	0.0109	0.0000	OK
1440 minute summer	S06	810	120.383	0.058	1.0	0.0453	0.0000	OK
1440 minute summer	Tank01	810	120.383	0.073	2.6	12.4514	0.0000	OK
1440 minute summer	S07	750	120.518	0.017	0.1	0.0062	0.0000	OK
1440 minute summer	S08	750	120.518	0.019	0.5	0.0168	0.0000	OK
1440 minute summer	S09	750	120.439	0.019	0.5	0.0030	0.0000	OK
1440 minute summer	S10	810	120.383	0.053	0.7	0.0230	0.0000	OK
1440 minute summer	S11	810	120.383	0.072	0.7	0.0114	0.0000	OK
1440 minute summer	S12	690	120.534	0.009	0.2	0.0066	0.0000	OK
1440 minute summer	S14	810	120.383	0.072	0.1	0.0178	0.0000	OK
1440 minute summer	S15	810	120.382	0.073	1.6	0.0207	0.0000	OK
1440 minute summer	S16	810	120.382	0.102	1.8	0.1470	0.0000	OK
1440 minute summer	ACO	30	120.500	0.000	0.0	0.0000	0.0000	OK
1440 minute summer	S17	810	120.225	0.035	1.8	0.0000	0.0000	OK
1440 minute summer	Tank02	750	120.518	0.018	0.1	1.0163	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	S01	1.000	S02	0.2	0.226	0.014	0.0135	
1440 minute summer	S02	1.001	S03	0.4	0.364	0.027	0.0109	
1440 minute summer	S03	1.002	S04	0.4	0.259	0.011	0.0122	
1440 minute summer	S04	1.003	S05	0.6	0.322	0.017	0.0097	
1440 minute summer	S05	1.004	S06	0.7	0.299	0.019	0.0675	
1440 minute summer	S06	1.005	Tank01	1.6	0.420	0.034	0.0167	
1440 minute summer	Tank01	1.006	S15	1.6	0.274	0.097	0.0111	
1440 minute summer	S07	2.000a	Tank02	0.1	0.196	0.018	0.0012	
1440 minute summer	S08	2.001	S09	0.5	0.388	0.032	0.0135	
1440 minute summer	S09	2.002	S10	0.5	0.315	0.033	0.0427	
1440 minute summer	S10	2.003	S11	0.7	0.231	0.045	0.0176	
1440 minute summer	S11	2.004	Tank01	0.7	0.479	0.125	0.0084	
1440 minute summer	S12	3.000	Tank01	0.2	0.451	0.007	0.0004	
1440 minute summer	S14	4.000	Tank01	0.1	0.021	0.018	0.0084	
1440 minute summer	S15	1.007	S16	1.6	0.121	0.035	0.0566	
1440 minute summer	S16	1.008	S17	1.8	0.551	0.121	0.0427	42.7
1440 minute summer	ACO	5.000	S16	0.0	0.000	0.000	0.0048	
1440 minute summer	Tank02	2.000b	S08	0.1	0.137	0.025	0.0012	

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

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute winter	S01	510	120.719	0.009	0.1	0.0058	0.0000	OK
1440 minute winter	S02	510	120.617	0.012	0.2	0.0069	0.0000	OK
1440 minute winter	S03	510	120.472	0.012	0.2	0.0044	0.0000	OK
1440 minute winter	S04	510	120.435	0.015	0.3	0.0096	0.0000	OK
1440 minute winter	S05	540	120.412	0.017	0.4	0.0085	0.0000	OK
1440 minute winter	S06	900	120.365	0.040	1.0	0.0317	0.0000	OK
1440 minute winter	Tank01	870	120.365	0.055	1.9	9.4050	0.0000	OK
1440 minute winter	S07	780	120.517	0.016	0.1	0.0058	0.0000	OK
1440 minute winter	S08	780	120.516	0.017	0.4	0.0153	0.0000	OK
1440 minute winter	S09	780	120.437	0.017	0.4	0.0027	0.0000	OK
1440 minute winter	S10	870	120.365	0.035	0.5	0.0152	0.0000	OK
1440 minute winter	S11	870	120.365	0.054	0.5	0.0086	0.0000	OK
1440 minute winter	S12	480	120.532	0.007	0.1	0.0047	0.0000	OK
1440 minute winter	S14	870	120.365	0.054	0.0	0.0134	0.0000	OK
1440 minute winter	S15	870	120.364	0.055	1.1	0.0157	0.0000	OK
1440 minute winter	S16	870	120.364	0.084	1.3	0.1213	0.0000	OK
1440 minute winter	ACO	30	120.500	0.000	0.0	0.0000	0.0000	OK
1440 minute winter	S17	870	120.220	0.030	1.3	0.0000	0.0000	OK
1440 minute winter	Tank02	780	120.517	0.016	0.1	0.9343	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	S01	1.000	S02	0.1	0.184	0.007	0.0083	
1440 minute winter	S02	1.001	S03	0.2	0.296	0.013	0.0067	
1440 minute winter	S03	1.002	S04	0.2	0.212	0.005	0.0075	
1440 minute winter	S04	1.003	S05	0.3	0.274	0.008	0.0062	
1440 minute winter	S05	1.004	S06	0.4	0.302	0.011	0.0432	
1440 minute winter	S06	1.005	Tank01	1.4	0.420	0.030	0.0107	
1440 minute winter	Tank01	1.006	S15	1.1	0.273	0.071	0.0075	
1440 minute winter	S07	2.000a	Tank02	0.1	0.169	0.018	0.0010	
1440 minute winter	S08	2.001	S09	0.4	0.366	0.026	0.0118	
1440 minute winter	S09	2.002	S10	0.4	0.267	0.027	0.0258	
1440 minute winter	S10	2.003	S11	0.5	0.228	0.033	0.0112	
1440 minute winter	S11	2.004	Tank01	0.5	0.479	0.091	0.0058	
1440 minute winter	S12	3.000	Tank01	0.1	0.370	0.004	0.0003	
1440 minute winter	S14	4.000	Tank01	0.0	-0.011	0.006	0.0057	
1440 minute winter	S15	1.007	S16	1.1	0.120	0.026	0.0416	
1440 minute winter	S16	1.008	S17	1.3	0.503	0.088	0.0338	41.6
1440 minute winter	ACO	5.000	S16	0.0	0.000	0.000	0.0000	
1440 minute winter	Tank02	2.000b	S08	0.1	-0.136	0.024	0.0011	

Results for 30 year 15 minute summer. 255 minute analysis at 1 minute timestep. Mass balance: 99.85%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	S01	10	120.770	0.060	5.0	0.0387	0.0000	OK
15 minute summer	S02	10	120.700	0.095	10.0	0.0536	0.0000	OK
15 minute summer	S03	11	120.563	0.103	11.1	0.0374	0.0000	OK
15 minute summer	S04	10	120.551	0.131	16.9	0.0839	0.0000	OK
15 minute summer	S05	11	120.525	0.130	20.5	0.0658	0.0000	OK
15 minute summer	S06	11	120.451	0.126	29.4	0.0990	0.0000	OK
15 minute summer	Tank01	20	120.440	0.130	57.4	22.2710	0.0000	OK
15 minute summer	S07	10	120.559	0.058	2.9	0.0210	0.0000	OK
15 minute summer	S08	10	120.563	0.064	10.9	0.0579	0.0000	OK
15 minute summer	S09	10	120.482	0.062	5.3	0.0098	0.0000	OK
15 minute summer	S10	10	120.450	0.120	10.3	0.0521	0.0000	OK
15 minute summer	S11	20	120.440	0.129	10.0	0.0205	0.0000	OK
15 minute summer	S12	10	120.578	0.053	5.9	0.0368	0.0000	OK
15 minute summer	S14	20	120.440	0.129	1.7	0.0321	0.0000	OK
15 minute summer	S15	20	120.440	0.131	7.1	0.0370	0.0000	OK
15 minute summer	S16	20	120.439	0.159	9.7	0.2293	0.0000	SURCHARGED
15 minute summer	ACO	10	120.529	0.029	1.3	0.0023	0.0000	OK
15 minute summer	S17	20	120.237	0.047	3.1	0.0000	0.0000	OK
15 minute summer	Tank02	15	120.552	0.051	8.6	2.9198	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	S01	1.000	S02	5.0	0.540	0.336	0.1386	
15 minute summer	S02	1.001	S03	9.8	0.869	0.657	0.1116	
15 minute summer	S03	1.002	S04	11.0	0.531	0.299	0.1633	
15 minute summer	S04	1.003	S05	16.8	0.703	0.466	0.1234	
15 minute summer	S05	1.004	S06	20.5	0.880	0.563	0.3288	
15 minute summer	S06	1.005	Tank01	29.4	2.160	0.612	0.0386	
15 minute summer	Tank01	1.006	S15	-7.0	-1.025	-0.432	0.0238	
15 minute summer	S07	2.000a	Tank02	3.3	0.972	0.610	0.0053	
15 minute summer	S08	2.001	S09	5.3	0.756	0.349	0.0756	
15 minute summer	S09	2.002	S10	5.3	0.486	0.355	0.1407	
15 minute summer	S10	2.003	S11	10.0	0.678	0.656	0.0383	
15 minute summer	S11	2.004	Tank01	14.0	1.391	2.552	0.0162	
15 minute summer	S12	3.000	Tank01	5.9	1.157	0.208	0.0051	
15 minute summer	S14	4.000	Tank01	1.4	0.672	0.258	0.0162	
15 minute summer	S15	1.007	S16	-7.1	-0.447	-0.160	0.1063	
15 minute summer	S16	1.008	S17	3.1	0.646	0.215	0.0648	23.8
15 minute summer	ACO	5.000	S16	1.3	0.588	0.189	0.0349	
15 minute summer	Tank02	2.000b	S08	-5.6	-1.305	-1.017	0.0054	

Results for 30 year 15 minute winter. 255 minute analysis at 1 minute timestep. Mass balance: 99.85%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	S01	10	120.768	0.058	4.7	0.0373	0.0000	OK
15 minute winter	S02	10	120.696	0.091	9.3	0.0511	0.0000	OK
15 minute winter	S03	10	120.557	0.097	10.3	0.0353	0.0000	OK
15 minute winter	S04	11	120.544	0.124	15.7	0.0797	0.0000	OK
15 minute winter	S05	11	120.519	0.124	19.0	0.0627	0.0000	OK
15 minute winter	S06	11	120.445	0.120	27.3	0.0945	0.0000	OK
15 minute winter	Tank01	20	120.440	0.130	52.0	22.2651	0.0000	OK
15 minute winter	S07	10	120.558	0.057	2.7	0.0204	0.0000	OK
15 minute winter	S08	10	120.561	0.062	10.2	0.0559	0.0000	OK
15 minute winter	S09	10	120.479	0.059	5.0	0.0094	0.0000	OK
15 minute winter	S10	10	120.445	0.115	9.6	0.0499	0.0000	OK
15 minute winter	S11	19	120.440	0.129	9.5	0.0205	0.0000	OK
15 minute winter	S12	10	120.576	0.051	5.5	0.0354	0.0000	OK
15 minute winter	S14	20	120.440	0.129	1.6	0.0321	0.0000	OK
15 minute winter	S15	20	120.440	0.131	6.5	0.0369	0.0000	OK
15 minute winter	S16	20	120.439	0.159	9.0	0.2293	0.0000	SURCHARGED
15 minute winter	ACO	10	120.528	0.028	1.2	0.0022	0.0000	OK
15 minute winter	S17	20	120.237	0.047	3.1	0.0000	0.0000	OK
15 minute winter	Tank02	15	120.552	0.052	8.1	2.9334	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	S01	1.000	S02	4.6	0.534	0.314	0.1314	
15 minute winter	S02	1.001	S03	9.1	0.856	0.611	0.1056	
15 minute winter	S03	1.002	S04	10.2	0.528	0.278	0.1524	
15 minute winter	S04	1.003	S05	15.6	0.695	0.433	0.1161	
15 minute winter	S05	1.004	S06	19.1	0.867	0.523	0.3101	
15 minute winter	S06	1.005	Tank01	27.3	2.114	0.567	0.0386	
15 minute winter	Tank01	1.006	S15	-6.4	-0.970	-0.395	0.0238	
15 minute winter	S07	2.000a	Tank02	3.3	1.011	0.595	0.0053	
15 minute winter	S08	2.001	S09	5.0	0.745	0.329	0.0722	
15 minute winter	S09	2.002	S10	4.9	0.478	0.333	0.1346	
15 minute winter	S10	2.003	S11	9.5	0.692	0.619	0.0383	
15 minute winter	S11	2.004	Tank01	12.4	1.130	2.265	0.0162	
15 minute winter	S12	3.000	Tank01	5.5	1.136	0.194	0.0048	
15 minute winter	S14	4.000	Tank01	1.3	0.673	0.244	0.0161	
15 minute winter	S15	1.007	S16	-6.5	-0.424	-0.147	0.1063	
15 minute winter	S16	1.008	S17	3.1	0.646	0.215	0.0648	23.8
15 minute winter	ACO	5.000	S16	1.2	0.591	0.174	0.0349	
15 minute winter	Tank02	2.000b	S08	-5.2	-1.240	-0.943	0.0054	

Results for 30 year 30 minute summer. 270 minute analysis at 1 minute timestep. Mass balance: 99.85%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	S01	18	120.767	0.057	4.6	0.0372	0.0000	OK
30 minute summer	S02	18	120.696	0.091	9.2	0.0512	0.0000	OK
30 minute summer	S03	18	120.557	0.097	10.3	0.0353	0.0000	OK
30 minute summer	S04	18	120.544	0.124	15.6	0.0797	0.0000	OK
30 minute summer	S05	18	120.519	0.124	18.9	0.0627	0.0000	OK
30 minute summer	S06	34	120.482	0.157	27.3	0.1231	0.0000	OK
30 minute summer	Tank01	34	120.482	0.172	49.9	29.4510	0.0000	OK
30 minute summer	S07	22	120.560	0.059	2.7	0.0212	0.0000	OK
30 minute summer	S08	18	120.561	0.062	9.9	0.0559	0.0000	OK
30 minute summer	S09	33	120.484	0.064	5.0	0.0102	0.0000	OK
30 minute summer	S10	33	120.483	0.153	9.6	0.0664	0.0000	SURCHARGED
30 minute summer	S11	34	120.482	0.171	10.2	0.0272	0.0000	SURCHARGED
30 minute summer	S12	18	120.575	0.050	5.3	0.0347	0.0000	OK
30 minute summer	S14	34	120.482	0.171	1.5	0.0425	0.0000	SURCHARGED
30 minute summer	S15	34	120.482	0.173	6.0	0.0488	0.0000	OK
30 minute summer	S16	34	120.481	0.201	8.7	0.2900	0.0000	SURCHARGED
30 minute summer	ACO	18	120.527	0.027	1.1	0.0021	0.0000	OK
30 minute summer	S17	34	120.238	0.048	3.3	0.0000	0.0000	OK
30 minute summer	Tank02	22	120.560	0.059	8.3	3.3721	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	S01	1.000	S02	4.6	0.532	0.312	0.1313	
30 minute summer	S02	1.001	S03	9.2	0.857	0.616	0.1060	
30 minute summer	S03	1.002	S04	10.3	0.529	0.279	0.1527	
30 minute summer	S04	1.003	S05	15.5	0.693	0.432	0.1161	
30 minute summer	S05	1.004	S06	18.9	0.861	0.519	0.3100	
30 minute summer	S06	1.005	Tank01	27.3	1.708	0.567	0.0543	
30 minute summer	Tank01	1.006	S15	-5.8	-0.632	-0.360	0.0326	
30 minute summer	S07	2.000a	Tank02	3.4	0.770	0.612	0.0065	
30 minute summer	S08	2.001	S09	5.0	0.745	0.329	0.0722	
30 minute summer	S09	2.002	S10	5.0	0.478	0.334	0.1592	
30 minute summer	S10	2.003	S11	10.2	0.765	0.663	0.0448	
30 minute summer	S11	2.004	Tank01	11.6	1.084	2.110	0.0176	
30 minute summer	S12	3.000	Tank01	5.3	1.127	0.188	0.0047	
30 minute summer	S14	4.000	Tank01	1.2	0.572	0.225	0.0176	
30 minute summer	S15	1.007	S16	-6.0	-0.368	-0.135	0.1384	
30 minute summer	S16	1.008	S17	3.3	0.653	0.225	0.0668	32.0
30 minute summer	ACO	5.000	S16	1.1	0.573	0.162	0.0452	
30 minute summer	Tank02	2.000b	S08	-5.0	-1.098	-0.907	0.0065	

Results for 30 year 30 minute winter. 270 minute analysis at 1 minute timestep. Mass balance: 99.84%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute winter	S01	18	120.761	0.051	3.7	0.0331	0.0000	OK
30 minute winter	S02	18	120.684	0.079	7.4	0.0445	0.0000	OK
30 minute winter	S03	18	120.543	0.083	8.3	0.0301	0.0000	OK
30 minute winter	S04	18	120.528	0.108	12.6	0.0695	0.0000	OK
30 minute winter	S05	18	120.504	0.109	15.4	0.0550	0.0000	OK
30 minute winter	S06	34	120.482	0.157	22.1	0.1235	0.0000	OK
30 minute winter	Tank01	34	120.482	0.172	39.9	29.5340	0.0000	OK
30 minute winter	S07	23	120.559	0.058	2.2	0.0209	0.0000	OK
30 minute winter	S08	23	120.558	0.059	8.0	0.0532	0.0000	OK
30 minute winter	S09	32	120.485	0.065	4.6	0.0103	0.0000	OK
30 minute winter	S10	33	120.484	0.153	7.9	0.0668	0.0000	SURCHARGED
30 minute winter	S11	33	120.483	0.172	7.7	0.0273	0.0000	SURCHARGED
30 minute winter	S12	18	120.569	0.044	4.3	0.0310	0.0000	OK
30 minute winter	S14	34	120.482	0.171	1.2	0.0426	0.0000	SURCHARGED
30 minute winter	S15	34	120.482	0.173	4.6	0.0490	0.0000	OK
30 minute winter	S16	34	120.482	0.202	7.1	0.2906	0.0000	SURCHARGED
30 minute winter	ACO	16	120.525	0.025	0.9	0.0019	0.0000	OK
30 minute winter	S17	34	120.238	0.048	3.3	0.0000	0.0000	OK
30 minute winter	Tank02	23	120.559	0.059	6.5	3.3233	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	S01	1.000	S02	3.7	0.505	0.251	0.1113	
30 minute winter	S02	1.001	S03	7.4	0.815	0.496	0.0896	
30 minute winter	S03	1.002	S04	8.3	0.517	0.225	0.1261	
30 minute winter	S04	1.003	S05	12.6	0.665	0.349	0.0979	
30 minute winter	S05	1.004	S06	15.3	0.817	0.421	0.3086	
30 minute winter	S06	1.005	Tank01	21.8	1.709	0.454	0.0545	
30 minute winter	Tank01	1.006	S15	-4.5	-0.592	-0.276	0.0327	
30 minute winter	S07	2.000a	Tank02	2.6	0.784	0.475	0.0063	
30 minute winter	S08	2.001	S09	4.6	0.728	0.302	0.0678	
30 minute winter	S09	2.002	S10	4.6	0.467	0.308	0.1600	
30 minute winter	S10	2.003	S11	7.7	0.642	0.503	0.0448	
30 minute winter	S11	2.004	Tank01	8.7	0.993	1.593	0.0176	
30 minute winter	S12	3.000	Tank01	4.3	1.067	0.152	0.0040	
30 minute winter	S14	4.000	Tank01	1.0	0.531	0.181	0.0176	
30 minute winter	S15	1.007	S16	-4.6	-0.313	-0.104	0.1387	
30 minute winter	S16	1.008	S17	3.3	0.653	0.225	0.0668	32.0
30 minute winter	ACO	5.000	S16	0.9	0.588	0.133	0.0456	
30 minute winter	Tank02	2.000b	S08	-3.9	-0.975	-0.710	0.0064	

Results for 30 year 60 minute summer. 300 minute analysis at 1 minute timestep. Mass balance: 99.85%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute summer	S01	33	120.760	0.050	3.5	0.0322	0.0000	OK
60 minute summer	S02	33	120.682	0.077	7.0	0.0430	0.0000	OK
60 minute summer	S03	33	120.540	0.080	7.9	0.0291	0.0000	OK
60 minute summer	S04	33	120.525	0.105	12.0	0.0674	0.0000	OK
60 minute summer	S05	62	120.522	0.127	14.6	0.0644	0.0000	OK
60 minute summer	S06	62	120.522	0.197	20.9	0.1550	0.0000	OK
60 minute summer	Tank01	62	120.522	0.212	36.4	36.3892	0.0000	OK
60 minute summer	S07	38	120.564	0.063	2.0	0.0225	0.0000	OK
60 minute summer	S08	37	120.562	0.063	7.6	0.0570	0.0000	OK
60 minute summer	S09	60	120.523	0.103	5.2	0.0164	0.0000	OK
60 minute summer	S10	62	120.523	0.193	8.0	0.0838	0.0000	SURCHARGED
60 minute summer	S11	62	120.522	0.211	7.8	0.0336	0.0000	SURCHARGED
60 minute summer	S12	33	120.568	0.043	4.1	0.0302	0.0000	OK
60 minute summer	S14	62	120.522	0.211	1.2	0.0526	0.0000	SURCHARGED
60 minute summer	S15	62	120.522	0.213	3.7	0.0603	0.0000	OK
60 minute summer	S16	62	120.522	0.242	6.7	0.3483	0.0000	SURCHARGED
60 minute summer	ACO	33	120.525	0.025	0.9	0.0019	0.0000	OK
60 minute summer	S17	62	120.238	0.048	3.3	0.0000	0.0000	OK
60 minute summer	Tank02	38	120.563	0.063	5.3	3.5744	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	S01	1.000	S02	3.5	0.499	0.237	0.1067	
60 minute summer	S02	1.001	S03	7.0	0.804	0.469	0.0859	
60 minute summer	S03	1.002	S04	7.9	0.514	0.214	0.1209	
60 minute summer	S04	1.003	S05	12.0	0.656	0.333	0.1052	
60 minute summer	S05	1.004	S06	14.5	0.757	0.399	0.4236	
60 minute summer	S06	1.005	Tank01	20.6	1.508	0.428	0.0663	
60 minute summer	Tank01	1.006	S15	-3.5	-0.339	-0.215	0.0389	
60 minute summer	S07	2.000a	Tank02	1.9	0.679	0.354	0.0070	
60 minute summer	S08	2.001	S09	5.2	0.745	0.340	0.0884	
60 minute summer	S09	2.002	S10	5.0	0.449	0.334	0.1963	
60 minute summer	S10	2.003	S11	7.8	0.596	0.511	0.0448	
60 minute summer	S11	2.004	Tank01	7.6	0.964	1.394	0.0176	
60 minute summer	S12	3.000	Tank01	4.1	1.054	0.145	0.0039	
60 minute summer	S14	4.000	Tank01	1.0	0.441	0.181	0.0176	
60 minute summer	S15	1.007	S16	-3.7	-0.202	-0.082	0.1552	
60 minute summer	S16	1.008	S17	3.3	0.655	0.227	0.0674	40.9
60 minute summer	ACO	5.000	S16	0.9	0.521	0.133	0.0488	
60 minute summer	Tank02	2.000b	S08	-3.4	-0.740	-0.616	0.0070	

Results for 30 year 60 minute winter. 300 minute analysis at 1 minute timestep. Mass balance: 99.85%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	S01	34	120.752	0.042	2.5	0.0270	0.0000	OK
60 minute winter	S02	34	120.668	0.063	5.0	0.0353	0.0000	OK
60 minute winter	S03	33	120.523	0.063	5.6	0.0231	0.0000	OK
60 minute winter	S04	62	120.523	0.103	8.5	0.0661	0.0000	OK
60 minute winter	S05	62	120.523	0.128	10.4	0.0647	0.0000	OK
60 minute winter	S06	61	120.523	0.198	15.0	0.1555	0.0000	OK
60 minute winter	Tank01	61	120.523	0.213	25.7	36.5080	0.0000	OK
60 minute winter	S07	39	120.560	0.059	1.5	0.0210	0.0000	OK
60 minute winter	S08	39	120.559	0.060	5.5	0.0538	0.0000	OK
60 minute winter	S09	61	120.524	0.104	4.7	0.0166	0.0000	OK
60 minute winter	S10	61	120.524	0.194	6.5	0.0842	0.0000	SURCHARGED
60 minute winter	S11	61	120.523	0.212	6.4	0.0337	0.0000	SURCHARGED
60 minute winter	S12	32	120.561	0.036	2.9	0.0250	0.0000	OK
60 minute winter	S14	61	120.523	0.212	0.8	0.0528	0.0000	SURCHARGED
60 minute winter	S15	61	120.523	0.214	3.3	0.0605	0.0000	OK
60 minute winter	S16	61	120.523	0.242	4.8	0.3492	0.0000	SURCHARGED
60 minute winter	ACO	63	120.523	0.023	0.6	0.0018	0.0000	OK
60 minute winter	S17	62	120.238	0.048	3.3	0.0000	0.0000	OK
60 minute winter	Tank02	40	120.559	0.059	3.5	3.3493	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	S01	1.000	S02	2.5	0.459	0.169	0.0830	
60 minute winter	S02	1.001	S03	5.0	0.740	0.335	0.0668	
60 minute winter	S03	1.002	S04	5.6	0.495	0.152	0.1051	
60 minute winter	S04	1.003	S05	8.5	0.627	0.236	0.1061	
60 minute winter	S05	1.004	S06	10.4	0.685	0.286	0.4254	
60 minute winter	S06	1.005	Tank01	14.8	1.523	0.308	0.0664	
60 minute winter	Tank01	1.006	S15	3.3	-0.380	0.203	0.0390	
60 minute winter	S07	2.000a	Tank02	1.5	0.713	0.266	0.0064	
60 minute winter	S08	2.001	S09	4.7	0.729	0.309	0.0878	
60 minute winter	S09	2.002	S10	4.5	0.423	0.306	0.1971	
60 minute winter	S10	2.003	S11	6.4	0.574	0.419	0.0448	
60 minute winter	S11	2.004	Tank01	6.3	0.836	1.150	0.0176	
60 minute winter	S12	3.000	Tank01	2.9	0.962	0.103	0.0030	
60 minute winter	S14	4.000	Tank01	0.7	0.442	0.122	0.0176	
60 minute winter	S15	1.007	S16	3.3	-0.165	0.074	0.1554	
60 minute winter	S16	1.008	S17	3.3	0.655	0.227	0.0674	41.1
60 minute winter	ACO	5.000	S16	0.6	0.502	0.088	0.0491	
60 minute winter	Tank02	2.000b	S08	-2.2	-0.649	-0.400	0.0065	

Results for 30 year 120 minute summer. 360 minute analysis at 2 minute timestep. Mass balance: 99.86%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute summer	S01	64	120.750	0.040	2.3	0.0259	0.0000	OK
120 minute summer	S02	64	120.665	0.060	4.6	0.0337	0.0000	OK
120 minute summer	S03	106	120.543	0.083	5.2	0.0303	0.0000	OK
120 minute summer	S04	106	120.543	0.123	7.9	0.0791	0.0000	OK
120 minute summer	S05	106	120.543	0.148	9.6	0.0750	0.0000	OK
120 minute summer	S06	108	120.543	0.218	13.8	0.1715	0.0000	OK
120 minute summer	Tank01	108	120.543	0.233	23.6	39.9774	0.0000	SURCHARGED
120 minute summer	S07	68	120.559	0.058	1.3	0.0210	0.0000	OK
120 minute summer	S08	68	120.558	0.059	5.0	0.0534	0.0000	OK
120 minute summer	S09	106	120.543	0.123	4.8	0.0196	0.0000	OK
120 minute summer	S10	106	120.543	0.213	6.4	0.0928	0.0000	SURCHARGED
120 minute summer	S11	108	120.543	0.232	6.3	0.0369	0.0000	SURCHARGED
120 minute summer	S12	64	120.560	0.035	2.7	0.0241	0.0000	OK
120 minute summer	S14	108	120.543	0.232	0.8	0.0578	0.0000	SURCHARGED
120 minute summer	S15	108	120.543	0.234	3.3	0.0662	0.0000	SURCHARGED
120 minute summer	S16	108	120.543	0.263	4.4	0.3784	0.0000	SURCHARGED
120 minute summer	ACO	108	120.543	0.043	0.6	0.0033	0.0000	OK
120 minute summer	S17	138	120.238	0.048	3.3	0.0000	0.0000	OK
120 minute summer	Tank02	68	120.559	0.059	2.6	3.3288	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	S01	1.000	S02	2.3	0.449	0.156	0.0780	
120 minute summer	S02	1.001	S03	4.6	0.725	0.308	0.0627	
120 minute summer	S03	1.002	S04	5.2	0.491	0.141	0.1398	
120 minute summer	S04	1.003	S05	7.9	0.628	0.220	0.1293	
120 minute summer	S05	1.004	S06	9.6	0.589	0.264	0.4736	
120 minute summer	S06	1.005	Tank01	13.5	1.274	0.281	0.0693	
120 minute summer	Tank01	1.006	S15	3.3	-0.237	0.202	0.0398	
120 minute summer	S07	2.000a	Tank02	1.3	0.510	0.231	0.0064	
120 minute summer	S08	2.001	S09	4.8	0.721	0.320	0.1073	
120 minute summer	S09	2.002	S10	4.7	0.382	0.316	0.2129	
120 minute summer	S10	2.003	S11	6.3	0.408	0.409	0.0448	
120 minute summer	S11	2.004	Tank01	6.1	0.835	1.121	0.0176	
120 minute summer	S12	3.000	Tank01	2.7	0.945	0.096	0.0029	
120 minute summer	S14	4.000	Tank01	0.7	0.412	0.122	0.0176	
120 minute summer	S15	1.007	S16	3.3	0.122	0.074	0.1569	
120 minute summer	S16	1.008	S17	3.3	0.656	0.227	0.0674	51.5
120 minute summer	ACO	5.000	S16	0.6	0.422	0.088	0.0592	
120 minute summer	Tank02	2.000b	S08	1.7	-0.364	0.311	0.0064	

Results for 30 year 120 minute winter. 360 minute analysis at 2 minute timestep. Mass balance: 99.86%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute winter	S01	64	120.743	0.033	1.6	0.0216	0.0000	OK
120 minute winter	S02	64	120.654	0.049	3.2	0.0276	0.0000	OK
120 minute winter	S03	114	120.543	0.083	3.6	0.0301	0.0000	OK
120 minute winter	S04	114	120.543	0.123	5.4	0.0788	0.0000	OK
120 minute winter	S05	116	120.543	0.148	6.6	0.0748	0.0000	OK
120 minute winter	S06	116	120.543	0.218	9.5	0.1711	0.0000	OK
120 minute winter	Tank01	116	120.543	0.233	16.1	39.9037	0.0000	SURCHARGED
120 minute winter	S07	70	120.553	0.052	0.9	0.0185	0.0000	OK
120 minute winter	S08	70	120.551	0.052	3.9	0.0472	0.0000	OK
120 minute winter	S09	114	120.543	0.123	3.9	0.0196	0.0000	OK
120 minute winter	S10	116	120.543	0.213	5.1	0.0926	0.0000	SURCHARGED
120 minute winter	S11	116	120.543	0.232	5.0	0.0369	0.0000	SURCHARGED
120 minute winter	S12	62	120.553	0.028	1.8	0.0195	0.0000	OK
120 minute winter	S14	116	120.543	0.232	0.5	0.0577	0.0000	SURCHARGED
120 minute winter	S15	116	120.543	0.234	3.3	0.0661	0.0000	SURCHARGED
120 minute winter	S16	116	120.542	0.262	3.4	0.3778	0.0000	SURCHARGED
120 minute winter	ACO	116	120.542	0.042	0.4	0.0033	0.0000	OK
120 minute winter	S17	86	120.238	0.048	3.3	0.0000	0.0000	OK
120 minute winter	Tank02	70	120.552	0.052	1.6	2.9483	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	S01	1.000	S02	1.6	0.408	0.108	0.0597	
120 minute winter	S02	1.001	S03	3.2	0.658	0.215	0.0480	
120 minute winter	S03	1.002	S04	3.6	0.461	0.098	0.1390	
120 minute winter	S04	1.003	S05	5.4	0.576	0.150	0.1288	
120 minute winter	S05	1.004	S06	6.6	0.538	0.181	0.4726	
120 minute winter	S06	1.005	Tank01	9.3	1.299	0.193	0.0692	
120 minute winter	Tank01	1.006	S15	3.3	-0.263	0.202	0.0398	
120 minute winter	S07	2.000a	Tank02	0.9	0.601	0.163	0.0054	
120 minute winter	S08	2.001	S09	3.9	0.681	0.256	0.1068	
120 minute winter	S09	2.002	S10	3.8	0.373	0.253	0.2126	
120 minute winter	S10	2.003	S11	5.0	0.402	0.325	0.0448	
120 minute winter	S11	2.004	Tank01	4.9	0.774	0.896	0.0176	
120 minute winter	S12	3.000	Tank01	1.8	0.846	0.064	0.0027	
120 minute winter	S14	4.000	Tank01	0.4	0.424	0.077	0.0176	
120 minute winter	S15	1.007	S16	3.3	0.122	0.073	0.1569	
120 minute winter	S16	1.008	S17	3.3	0.656	0.227	0.0674	51.4
120 minute winter	ACO	5.000	S16	0.4	0.433	0.059	0.0589	
120 minute winter	Tank02	2.000b	S08	1.2	-0.389	0.220	0.0054	

Results for 30 year 180 minute summer. 420 minute analysis at 4 minute timestep. Mass balance: 99.88%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute summer	S01	96	120.744	0.034	1.7	0.0223	0.0000	OK
180 minute summer	S02	96	120.656	0.051	3.4	0.0285	0.0000	OK
180 minute summer	S03	144	120.550	0.090	3.8	0.0327	0.0000	OK
180 minute summer	S04	140	120.550	0.130	5.8	0.0832	0.0000	OK
180 minute summer	S05	140	120.550	0.155	7.1	0.0782	0.0000	OK
180 minute summer	S06	140	120.550	0.225	10.1	0.1765	0.0000	OK
180 minute summer	Tank01	140	120.550	0.240	17.3	41.0741	0.0000	SURCHARGED
180 minute summer	S07	100	120.554	0.053	1.0	0.0189	0.0000	OK
180 minute summer	S08	100	120.552	0.053	4.1	0.0479	0.0000	OK
180 minute summer	S09	140	120.550	0.130	4.1	0.0206	0.0000	OK
180 minute summer	S10	140	120.550	0.220	5.5	0.0956	0.0000	SURCHARGED
180 minute summer	S11	140	120.550	0.239	5.4	0.0379	0.0000	SURCHARGED
180 minute summer	S12	96	120.555	0.029	2.0	0.0206	0.0000	OK
180 minute summer	S14	140	120.550	0.239	0.6	0.0594	0.0000	SURCHARGED
180 minute summer	S15	140	120.549	0.240	3.3	0.0680	0.0000	SURCHARGED
180 minute summer	S16	140	120.549	0.269	3.4	0.3877	0.0000	SURCHARGED
180 minute summer	ACO	140	120.549	0.049	0.4	0.0038	0.0000	OK
180 minute summer	S17	112	120.238	0.048	3.3	0.0000	0.0000	OK
180 minute summer	Tank02	100	120.553	0.053	1.5	3.0098	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	S01	1.000	S02	1.7	0.415	0.115	0.0624	
180 minute summer	S02	1.001	S03	3.4	0.669	0.228	0.0502	
180 minute summer	S03	1.002	S04	3.8	0.460	0.103	0.1509	
180 minute summer	S04	1.003	S05	5.8	0.584	0.160	0.1365	
180 minute summer	S05	1.004	S06	6.9	0.492	0.191	0.4854	
180 minute summer	S06	1.005	Tank01	9.9	1.112	0.206	0.0696	
180 minute summer	Tank01	1.006	S15	3.3	0.173	0.202	0.0398	
180 minute summer	S07	2.000a	Tank02	1.0	0.489	0.180	0.0055	
180 minute summer	S08	2.001	S09	4.1	0.687	0.272	0.1158	
180 minute summer	S09	2.002	S10	4.0	0.334	0.268	0.2173	
180 minute summer	S10	2.003	S11	5.4	0.351	0.351	0.0448	
180 minute summer	S11	2.004	Tank01	5.3	0.820	0.966	0.0176	
180 minute summer	S12	3.000	Tank01	2.0	0.870	0.071	0.0036	
180 minute summer	S14	4.000	Tank01	0.5	0.418	0.092	0.0176	
180 minute summer	S15	1.007	S16	3.3	0.122	0.073	0.1569	
180 minute summer	S16	1.008	S17	3.3	0.656	0.227	0.0674	59.0
180 minute summer	ACO	5.000	S16	0.4	0.383	0.059	0.0625	
180 minute summer	Tank02	2.000b	S08	1.3	0.334	0.231	0.0056	

Results for 30 year 180 minute winter. 420 minute analysis at 4 minute timestep. Mass balance: 99.88%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute winter	S01	96	120.739	0.029	1.2	0.0187	0.0000	OK
180 minute winter	S02	96	120.647	0.042	2.4	0.0236	0.0000	OK
180 minute winter	S03	152	120.548	0.088	2.7	0.0321	0.0000	OK
180 minute winter	S04	144	120.548	0.128	4.1	0.0823	0.0000	OK
180 minute winter	S05	144	120.548	0.153	5.0	0.0775	0.0000	OK
180 minute winter	S06	148	120.548	0.223	7.1	0.1754	0.0000	OK
180 minute winter	Tank01	148	120.548	0.238	12.5	40.8265	0.0000	SURCHARGED
180 minute winter	S07	148	120.549	0.048	0.7	0.0171	0.0000	OK
180 minute winter	S08	148	120.549	0.049	3.1	0.0446	0.0000	OK
180 minute winter	S09	148	120.548	0.128	3.1	0.0204	0.0000	OK
180 minute winter	S10	144	120.548	0.218	4.1	0.0949	0.0000	SURCHARGED
180 minute winter	S11	148	120.548	0.237	4.0	0.0377	0.0000	SURCHARGED
180 minute winter	S12	140	120.551	0.026	1.4	0.0179	0.0000	OK
180 minute winter	S14	148	120.548	0.237	0.4	0.0590	0.0000	SURCHARGED
180 minute winter	S15	148	120.548	0.239	3.2	0.0676	0.0000	SURCHARGED
180 minute winter	S16	148	120.548	0.268	3.4	0.3856	0.0000	SURCHARGED
180 minute winter	ACO	148	120.548	0.048	0.3	0.0037	0.0000	OK
180 minute winter	S17	196	120.238	0.048	3.3	0.0000	0.0000	OK
180 minute winter	Tank02	148	120.549	0.049	1.0	2.7512	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	S01	1.000	S02	1.2	0.378	0.081	0.0484	
180 minute winter	S02	1.001	S03	2.4	0.609	0.161	0.0389	
180 minute winter	S03	1.002	S04	2.7	0.430	0.073	0.1483	
180 minute winter	S04	1.003	S05	4.1	0.535	0.114	0.1350	
180 minute winter	S05	1.004	S06	4.9	0.470	0.135	0.4833	
180 minute winter	S06	1.005	Tank01	7.0	1.074	0.145	0.0695	
180 minute winter	Tank01	1.006	S15	3.2	0.174	0.202	0.0398	
180 minute winter	S07	2.000a	Tank02	0.7	0.484	0.128	0.0049	
180 minute winter	S08	2.001	S09	3.1	0.646	0.207	0.1140	
180 minute winter	S09	2.002	S10	3.0	0.329	0.203	0.2164	
180 minute winter	S10	2.003	S11	4.0	0.354	0.264	0.0448	
180 minute winter	S11	2.004	Tank01	4.0	0.773	0.727	0.0176	
180 minute winter	S12	3.000	Tank01	1.4	0.790	0.050	0.0034	
180 minute winter	S14	4.000	Tank01	0.3	0.293	0.062	0.0176	
180 minute winter	S15	1.007	S16	3.3	0.122	0.073	0.1569	
180 minute winter	S16	1.008	S17	3.3	0.656	0.227	0.0674	59.3
180 minute winter	ACO	5.000	S16	0.3	0.380	0.044	0.0618	
180 minute winter	Tank02	2.000b	S08	0.9	0.325	0.157	0.0050	

Results for 30 year 240 minute summer. 480 minute analysis at 4 minute timestep. Mass balance: 99.89%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute summer	S01	124	120.742	0.032	1.5	0.0209	0.0000	OK
240 minute summer	S02	124	120.652	0.047	3.0	0.0265	0.0000	OK
240 minute summer	S03	176	120.550	0.090	3.4	0.0327	0.0000	OK
240 minute summer	S04	176	120.550	0.129	5.1	0.0831	0.0000	OK
240 minute summer	S05	180	120.549	0.154	6.1	0.0781	0.0000	OK
240 minute summer	S06	176	120.550	0.224	8.6	0.1764	0.0000	OK
240 minute summer	Tank01	176	120.549	0.239	14.8	41.0577	0.0000	SURCHARGED
240 minute summer	S07	176	120.550	0.049	0.8	0.0176	0.0000	OK
240 minute summer	S08	176	120.550	0.051	3.5	0.0459	0.0000	OK
240 minute summer	S09	176	120.550	0.130	3.5	0.0206	0.0000	OK
240 minute summer	S10	176	120.550	0.220	4.7	0.0955	0.0000	SURCHARGED
240 minute summer	S11	176	120.550	0.238	4.6	0.0379	0.0000	SURCHARGED
240 minute summer	S12	124	120.552	0.027	1.7	0.0189	0.0000	OK
240 minute summer	S14	176	120.549	0.238	0.5	0.0594	0.0000	SURCHARGED
240 minute summer	S15	176	120.549	0.240	3.2	0.0680	0.0000	SURCHARGED
240 minute summer	S16	176	120.549	0.269	3.4	0.3875	0.0000	SURCHARGED
240 minute summer	ACO	176	120.549	0.049	0.4	0.0038	0.0000	OK
240 minute summer	S17	240	120.238	0.048	3.3	0.0000	0.0000	OK
240 minute summer	Tank02	176	120.550	0.050	1.0	2.8298	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	S01	1.000	S02	1.5	0.402	0.101	0.0567	
240 minute summer	S02	1.001	S03	3.0	0.645	0.199	0.0455	
240 minute summer	S03	1.002	S04	3.4	0.453	0.091	0.1509	
240 minute summer	S04	1.003	S05	5.0	0.554	0.139	0.1363	
240 minute summer	S05	1.004	S06	5.9	0.435	0.161	0.4852	
240 minute summer	S06	1.005	Tank01	8.3	1.005	0.173	0.0696	
240 minute summer	Tank01	1.006	S15	3.2	0.179	0.201	0.0398	
240 minute summer	S07	2.000a	Tank02	0.8	0.496	0.145	0.0050	
240 minute summer	S08	2.001	S09	3.5	0.657	0.228	0.1159	
240 minute summer	S09	2.002	S10	3.3	0.319	0.225	0.2173	
240 minute summer	S10	2.003	S11	4.6	0.338	0.301	0.0448	
240 minute summer	S11	2.004	Tank01	4.5	0.780	0.827	0.0176	
240 minute summer	S12	3.000	Tank01	1.7	0.833	0.060	0.0036	
240 minute summer	S14	4.000	Tank01	0.4	0.106	0.077	0.0176	
240 minute summer	S15	1.007	S16	3.3	0.122	0.073	0.1569	
240 minute summer	S16	1.008	S17	3.3	0.656	0.227	0.0674	64.5
240 minute summer	ACO	5.000	S16	0.4	0.375	0.058	0.0625	
240 minute summer	Tank02	2.000b	S08	1.0	0.314	0.186	0.0052	

Results for 30 year 240 minute winter. 480 minute analysis at 4 minute timestep. Mass balance: 99.89%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute winter	S01	124	120.736	0.026	1.0	0.0171	0.0000	OK
240 minute winter	S02	128	120.643	0.038	2.0	0.0215	0.0000	OK
240 minute winter	S03	184	120.546	0.086	2.2	0.0314	0.0000	OK
240 minute winter	S04	184	120.546	0.126	3.3	0.0809	0.0000	OK
240 minute winter	S05	188	120.546	0.151	4.0	0.0764	0.0000	OK
240 minute winter	S06	184	120.546	0.221	5.7	0.1737	0.0000	OK
240 minute winter	Tank01	184	120.546	0.236	10.2	40.4732	0.0000	SURCHARGED
240 minute winter	S07	184	120.547	0.045	0.6	0.0163	0.0000	OK
240 minute winter	S08	184	120.547	0.047	2.6	0.0428	0.0000	OK
240 minute winter	S09	184	120.546	0.126	2.6	0.0201	0.0000	OK
240 minute winter	S10	184	120.546	0.216	3.5	0.0940	0.0000	SURCHARGED
240 minute winter	S11	184	120.546	0.235	3.4	0.0374	0.0000	SURCHARGED
240 minute winter	S12	184	120.548	0.023	1.1	0.0158	0.0000	OK
240 minute winter	S14	184	120.546	0.235	0.3	0.0585	0.0000	SURCHARGED
240 minute winter	S15	184	120.546	0.237	3.3	0.0671	0.0000	SURCHARGED
240 minute winter	S16	184	120.546	0.266	3.4	0.3826	0.0000	SURCHARGED
240 minute winter	ACO	184	120.546	0.046	0.2	0.0036	0.0000	OK
240 minute winter	S17	240	120.238	0.048	3.3	0.0000	0.0000	OK
240 minute winter	Tank02	184	120.547	0.046	0.8	2.6355	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	S01	1.000	S02	1.0	0.359	0.068	0.0424	
240 minute winter	S02	1.001	S03	2.0	0.579	0.134	0.0341	
240 minute winter	S03	1.002	S04	2.2	0.411	0.060	0.1449	
240 minute winter	S04	1.003	S05	3.3	0.503	0.092	0.1325	
240 minute winter	S05	1.004	S06	3.9	0.417	0.106	0.4791	
240 minute winter	S06	1.005	Tank01	5.5	0.982	0.115	0.0694	
240 minute winter	Tank01	1.006	S15	3.3	0.180	0.202	0.0398	
240 minute winter	S07	2.000a	Tank02	0.6	0.501	0.109	0.0046	
240 minute winter	S08	2.001	S09	2.6	0.615	0.173	0.1113	
240 minute winter	S09	2.002	S10	2.5	0.326	0.171	0.2150	
240 minute winter	S10	2.003	S11	3.4	0.351	0.222	0.0448	
240 minute winter	S11	2.004	Tank01	3.3	0.717	0.611	0.0176	
240 minute winter	S12	3.000	Tank01	1.1	0.739	0.039	0.0031	
240 minute winter	S14	4.000	Tank01	0.3	0.267	0.048	0.0176	
240 minute winter	S15	1.007	S16	3.3	0.122	0.073	0.1569	
240 minute winter	S16	1.008	S17	3.3	0.655	0.227	0.0674	65.4
240 minute winter	ACO	5.000	S16	0.2	0.312	0.029	0.0607	
240 minute winter	Tank02	2.000b	S08	0.7	0.331	0.125	0.0047	

Results for 30 year 360 minute summer. 600 minute analysis at 8 minute timestep. Mass balance: 99.92%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute summer	S01	184	120.738	0.028	1.1	0.0179	0.0000	OK
360 minute summer	S02	184	120.645	0.040	2.2	0.0225	0.0000	OK
360 minute summer	S03	248	120.545	0.085	2.5	0.0311	0.0000	OK
360 minute summer	S04	248	120.546	0.126	3.8	0.0806	0.0000	OK
360 minute summer	S05	248	120.546	0.151	4.6	0.0762	0.0000	OK
360 minute summer	S06	248	120.546	0.220	6.4	0.1733	0.0000	OK
360 minute summer	Tank01	248	120.545	0.235	11.3	40.3711	0.0000	SURCHARGED
360 minute summer	S07	248	120.546	0.045	0.6	0.0161	0.0000	OK
360 minute summer	S08	248	120.546	0.047	2.8	0.0422	0.0000	OK
360 minute summer	S09	248	120.546	0.126	2.8	0.0200	0.0000	OK
360 minute summer	S10	248	120.546	0.216	3.7	0.0938	0.0000	SURCHARGED
360 minute summer	S11	248	120.546	0.234	3.6	0.0373	0.0000	SURCHARGED
360 minute summer	S12	184	120.549	0.024	1.3	0.0164	0.0000	OK
360 minute summer	S14	248	120.545	0.234	0.4	0.0584	0.0000	SURCHARGED
360 minute summer	S15	248	120.545	0.236	3.2	0.0669	0.0000	SURCHARGED
360 minute summer	S16	248	120.545	0.265	3.4	0.3818	0.0000	SURCHARGED
360 minute summer	ACO	248	120.545	0.045	0.3	0.0035	0.0000	OK
360 minute summer	S17	296	120.238	0.048	3.3	0.0000	0.0000	OK
360 minute summer	Tank02	248	120.546	0.046	0.6	2.6004	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	S01	1.000	S02	1.1	0.369	0.074	0.0453	
360 minute summer	S02	1.001	S03	2.2	0.593	0.146	0.0364	
360 minute summer	S03	1.002	S04	2.5	0.416	0.067	0.1437	
360 minute summer	S04	1.003	S05	3.8	0.506	0.104	0.1319	
360 minute summer	S05	1.004	S06	4.4	0.365	0.121	0.4781	
360 minute summer	S06	1.005	Tank01	6.3	0.967	0.130	0.0694	
360 minute summer	Tank01	1.006	S15	3.2	0.200	0.200	0.0398	
360 minute summer	S07	2.000a	Tank02	0.6	0.489	0.110	0.0045	
360 minute summer	S08	2.001	S09	2.8	0.619	0.183	0.1105	
360 minute summer	S09	2.002	S10	2.7	0.329	0.181	0.2146	
360 minute summer	S10	2.003	S11	3.6	0.302	0.237	0.0448	
360 minute summer	S11	2.004	Tank01	3.6	0.693	0.653	0.0176	
360 minute summer	S12	3.000	Tank01	1.3	0.774	0.046	0.0028	
360 minute summer	S14	4.000	Tank01	0.3	-0.067	0.062	0.0176	
360 minute summer	S15	1.007	S16	3.2	0.122	0.073	0.1569	
360 minute summer	S16	1.008	S17	3.3	0.656	0.227	0.0674	74.0
360 minute summer	ACO	5.000	S16	0.3	0.312	0.043	0.0604	
360 minute summer	Tank02	2.000b	S08	0.8	0.253	0.145	0.0046	

Results for 30 year 360 minute winter. 600 minute analysis at 8 minute timestep. Mass balance: 99.92%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute winter	S01	176	120.732	0.022	0.7	0.0144	0.0000	OK
360 minute winter	S02	176	120.637	0.032	1.4	0.0179	0.0000	OK
360 minute winter	S03	264	120.537	0.077	1.6	0.0279	0.0000	OK
360 minute winter	S04	264	120.537	0.117	2.4	0.0748	0.0000	OK
360 minute winter	S05	264	120.537	0.141	2.9	0.0716	0.0000	OK
360 minute winter	S06	264	120.537	0.211	4.1	0.1662	0.0000	OK
360 minute winter	Tank01	264	120.536	0.226	7.5	38.8272	0.0000	SURCHARGED
360 minute winter	S07	264	120.537	0.036	0.4	0.0129	0.0000	OK
360 minute winter	S08	264	120.537	0.038	1.9	0.0341	0.0000	OK
360 minute winter	S09	264	120.537	0.117	1.9	0.0186	0.0000	OK
360 minute winter	S10	264	120.537	0.207	2.6	0.0899	0.0000	SURCHARGED
360 minute winter	S11	264	120.537	0.225	2.5	0.0359	0.0000	SURCHARGED
360 minute winter	S12	176	120.543	0.018	0.8	0.0129	0.0000	OK
360 minute winter	S14	264	120.536	0.225	0.2	0.0561	0.0000	SURCHARGED
360 minute winter	S15	264	120.536	0.227	3.2	0.0643	0.0000	SURCHARGED
360 minute winter	S16	264	120.536	0.256	3.3	0.3688	0.0000	SURCHARGED
360 minute winter	ACO	264	120.536	0.036	0.2	0.0028	0.0000	OK
360 minute winter	S17	288	120.238	0.048	3.3	0.0000	0.0000	OK
360 minute winter	Tank02	264	120.537	0.037	0.5	2.0918	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	S01	1.000	S02	0.7	0.326	0.047	0.0328	
360 minute winter	S02	1.001	S03	1.4	0.524	0.094	0.0264	
360 minute winter	S03	1.002	S04	1.6	0.380	0.043	0.1282	
360 minute winter	S04	1.003	S05	2.4	0.466	0.067	0.1217	
360 minute winter	S05	1.004	S06	2.9	0.376	0.078	0.4588	
360 minute winter	S06	1.005	Tank01	4.1	0.894	0.084	0.0687	
360 minute winter	Tank01	1.006	S15	3.2	0.205	0.200	0.0398	
360 minute winter	S07	2.000a	Tank02	0.4	0.474	0.073	0.0033	
360 minute winter	S08	2.001	S09	1.9	0.560	0.128	0.0982	
360 minute winter	S09	2.002	S10	1.9	0.327	0.127	0.2078	
360 minute winter	S10	2.003	S11	2.5	0.321	0.166	0.0448	
360 minute winter	S11	2.004	Tank01	2.5	0.736	0.459	0.0176	
360 minute winter	S12	3.000	Tank01	0.8	0.675	0.028	0.0019	
360 minute winter	S14	4.000	Tank01	0.2	-0.069	0.033	0.0176	
360 minute winter	S15	1.007	S16	3.2	0.122	0.073	0.1568	
360 minute winter	S16	1.008	S17	3.3	0.656	0.227	0.0674	74.0
360 minute winter	ACO	5.000	S16	0.2	0.312	0.029	0.0556	
360 minute winter	Tank02	2.000b	S08	0.5	-0.244	0.089	0.0034	

Results for 30 year 480 minute summer. 720 minute analysis at 8 minute timestep. Mass balance: 99.94%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute summer	S01	248	120.735	0.025	0.9	0.0163	0.0000	OK
480 minute summer	S02	248	120.641	0.036	1.8	0.0204	0.0000	OK
480 minute summer	S03	312	120.541	0.081	2.0	0.0293	0.0000	OK
480 minute summer	S04	312	120.541	0.121	3.0	0.0774	0.0000	OK
480 minute summer	S05	312	120.541	0.146	3.7	0.0736	0.0000	OK
480 minute summer	S06	312	120.541	0.215	5.2	0.1693	0.0000	OK
480 minute summer	Tank01	312	120.540	0.230	9.3	39.5136	0.0000	SURCHARGED
480 minute summer	S07	312	120.541	0.040	0.5	0.0143	0.0000	OK
480 minute summer	S08	312	120.541	0.042	2.3	0.0377	0.0000	OK
480 minute summer	S09	312	120.541	0.121	2.3	0.0192	0.0000	OK
480 minute summer	S10	312	120.541	0.211	3.1	0.0916	0.0000	SURCHARGED
480 minute summer	S11	312	120.541	0.229	3.1	0.0365	0.0000	SURCHARGED
480 minute summer	S12	248	120.546	0.021	1.0	0.0144	0.0000	OK
480 minute summer	S14	312	120.540	0.229	0.3	0.0571	0.0000	SURCHARGED
480 minute summer	S15	312	120.540	0.231	3.1	0.0655	0.0000	SURCHARGED
480 minute summer	S16	312	120.540	0.260	3.3	0.3746	0.0000	SURCHARGED
480 minute summer	ACO	312	120.540	0.040	0.2	0.0031	0.0000	OK
480 minute summer	S17	352	120.238	0.048	3.3	0.0000	0.0000	OK
480 minute summer	Tank02	312	120.541	0.041	0.6	2.3194	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	S01	1.000	S02	0.9	0.349	0.061	0.0393	
480 minute summer	S02	1.001	S03	1.8	0.563	0.121	0.0316	
480 minute summer	S03	1.002	S04	2.0	0.399	0.054	0.1352	
480 minute summer	S04	1.003	S05	3.0	0.479	0.082	0.1263	
480 minute summer	S05	1.004	S06	3.6	0.331	0.098	0.4678	
480 minute summer	S06	1.005	Tank01	5.1	0.914	0.105	0.0691	
480 minute summer	Tank01	1.006	S15	3.1	0.238	0.195	0.0398	
480 minute summer	S07	2.000a	Tank02	0.5	0.382	0.091	0.0038	
480 minute summer	S08	2.001	S09	2.3	0.582	0.152	0.1038	
480 minute summer	S09	2.002	S10	2.2	0.319	0.149	0.2109	
480 minute summer	S10	2.003	S11	3.1	0.302	0.200	0.0448	
480 minute summer	S11	2.004	Tank01	3.0	0.712	0.550	0.0176	
480 minute summer	S12	3.000	Tank01	1.0	0.720	0.035	0.0025	
480 minute summer	S14	4.000	Tank01	0.3	-0.070	0.048	0.0176	
480 minute summer	S15	1.007	S16	3.2	0.122	0.071	0.1569	
480 minute summer	S16	1.008	S17	3.3	0.656	0.227	0.0674	82.2
480 minute summer	ACO	5.000	S16	0.2	0.312	0.029	0.0577	
480 minute summer	Tank02	2.000b	S08	0.6	0.248	0.107	0.0039	

Results for 30 year 480 minute winter. 720 minute analysis at 8 minute timestep. Mass balance: 99.94%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute winter	S01	240	120.731	0.021	0.6	0.0134	0.0000	OK
480 minute winter	S02	240	120.634	0.029	1.2	0.0165	0.0000	OK
480 minute winter	S03	336	120.524	0.063	1.3	0.0231	0.0000	OK
480 minute winter	S04	336	120.524	0.103	2.0	0.0664	0.0000	OK
480 minute winter	S05	336	120.524	0.128	2.4	0.0650	0.0000	OK
480 minute winter	S06	336	120.523	0.198	3.4	0.1560	0.0000	OK
480 minute winter	Tank01	336	120.523	0.213	6.3	36.5930	0.0000	OK
480 minute winter	S07	248	120.533	0.032	0.3	0.0114	0.0000	OK
480 minute winter	S08	248	120.532	0.033	1.6	0.0296	0.0000	OK
480 minute winter	S09	336	120.524	0.104	1.6	0.0165	0.0000	OK
480 minute winter	S10	336	120.524	0.194	2.2	0.0842	0.0000	SURCHARGED
480 minute winter	S11	336	120.524	0.212	2.1	0.0338	0.0000	SURCHARGED
480 minute winter	S12	240	120.542	0.017	0.7	0.0120	0.0000	OK
480 minute winter	S14	336	120.523	0.212	0.2	0.0529	0.0000	SURCHARGED
480 minute winter	S15	336	120.523	0.214	3.1	0.0607	0.0000	OK
480 minute winter	S16	336	120.523	0.243	3.3	0.3500	0.0000	SURCHARGED
480 minute winter	ACO	336	120.523	0.023	0.1	0.0018	0.0000	OK
480 minute winter	S17	336	120.238	0.048	3.3	0.0000	0.0000	OK
480 minute winter	Tank02	248	120.532	0.032	0.3	1.8291	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	S01	1.000	S02	0.6	0.311	0.041	0.0294	
480 minute winter	S02	1.001	S03	1.2	0.502	0.080	0.0236	
480 minute winter	S03	1.002	S04	1.3	0.360	0.035	0.1061	
480 minute winter	S04	1.003	S05	2.0	0.422	0.056	0.1067	
480 minute winter	S05	1.004	S06	2.3	0.354	0.064	0.4268	
480 minute winter	S06	1.005	Tank01	3.4	0.851	0.070	0.0666	
480 minute winter	Tank01	1.006	S15	3.1	0.243	0.191	0.0390	
480 minute winter	S07	2.000a	Tank02	0.3	0.485	0.055	0.0027	
480 minute winter	S08	2.001	S09	1.6	0.538	0.105	0.0804	
480 minute winter	S09	2.002	S10	1.6	0.318	0.105	0.1967	
480 minute winter	S10	2.003	S11	2.1	0.298	0.138	0.0448	
480 minute winter	S11	2.004	Tank01	2.1	0.597	0.383	0.0176	
480 minute winter	S12	3.000	Tank01	0.7	0.650	0.025	0.0012	
480 minute winter	S14	4.000	Tank01	0.2	-0.073	0.033	0.0176	
480 minute winter	S15	1.007	S16	3.1	0.122	0.070	0.1554	
480 minute winter	S16	1.008	S17	3.3	0.655	0.227	0.0674	81.9
480 minute winter	ACO	5.000	S16	0.1	0.312	0.015	0.0493	
480 minute winter	Tank02	2.000b	S08	0.4	-0.202	0.071	0.0028	

Results for 30 year 600 minute summer. 840 minute analysis at 15 minute timestep. Mass balance: 99.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute summer	S01	315	120.732	0.022	0.7	0.0144	0.0000	OK
600 minute summer	S02	315	120.637	0.032	1.4	0.0179	0.0000	OK
600 minute summer	S03	390	120.532	0.072	1.6	0.0260	0.0000	OK
600 minute summer	S04	390	120.532	0.112	2.4	0.0716	0.0000	OK
600 minute summer	S05	390	120.532	0.137	2.9	0.0691	0.0000	OK
600 minute summer	S06	390	120.532	0.206	4.1	0.1623	0.0000	OK
600 minute summer	Tank01	390	120.532	0.221	7.4	37.9781	0.0000	OK
600 minute summer	S07	315	120.536	0.035	0.4	0.0124	0.0000	OK
600 minute summer	S08	315	120.535	0.036	1.9	0.0320	0.0000	OK
600 minute summer	S09	390	120.532	0.112	1.9	0.0178	0.0000	OK
600 minute summer	S10	390	120.532	0.202	2.5	0.0877	0.0000	SURCHARGED
600 minute summer	S11	390	120.532	0.221	2.5	0.0351	0.0000	SURCHARGED
600 minute summer	S12	315	120.543	0.018	0.8	0.0129	0.0000	OK
600 minute summer	S14	390	120.532	0.220	0.2	0.0549	0.0000	SURCHARGED
600 minute summer	S15	390	120.531	0.222	3.1	0.0629	0.0000	OK
600 minute summer	S16	390	120.531	0.251	3.3	0.3617	0.0000	SURCHARGED
600 minute summer	ACO	390	120.531	0.031	0.2	0.0024	0.0000	OK
600 minute summer	S17	405	120.238	0.048	3.3	0.0000	0.0000	OK
600 minute summer	Tank02	315	120.535	0.035	0.4	1.9838	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	S01	1.000	S02	0.7	0.326	0.047	0.0328	
600 minute summer	S02	1.001	S03	1.4	0.524	0.094	0.0264	
600 minute summer	S03	1.002	S04	1.6	0.380	0.043	0.1197	
600 minute summer	S04	1.003	S05	2.4	0.445	0.066	0.1160	
600 minute summer	S05	1.004	S06	2.8	0.305	0.077	0.4471	
600 minute summer	S06	1.005	Tank01	4.0	0.763	0.084	0.0681	
600 minute summer	Tank01	1.006	S15	3.1	0.270	0.194	0.0396	
600 minute summer	S07	2.000a	Tank02	0.4	0.308	0.073	0.0031	
600 minute summer	S08	2.001	S09	1.9	0.551	0.124	0.0915	
600 minute summer	S09	2.002	S10	1.8	0.310	0.122	0.2038	
600 minute summer	S10	2.003	S11	2.5	0.285	0.162	0.0448	
600 minute summer	S11	2.004	Tank01	2.4	0.537	0.447	0.0176	
600 minute summer	S12	3.000	Tank01	0.8	0.675	0.028	0.0016	
600 minute summer	S14	4.000	Tank01	0.2	-0.056	0.034	0.0176	
600 minute summer	S15	1.007	S16	3.1	0.122	0.070	0.1567	
600 minute summer	S16	1.008	S17	3.3	0.655	0.227	0.0674	88.8
600 minute summer	ACO	5.000	S16	0.2	0.312	0.029	0.0531	
600 minute summer	Tank02	2.000b	S08	0.5	-0.202	0.086	0.0031	

Results for 30 year 600 minute winter. 840 minute analysis at 15 minute timestep. Mass balance: 99.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute winter	S01	300	120.729	0.019	0.5	0.0123	0.0000	OK
600 minute winter	S02	300	120.632	0.027	1.0	0.0151	0.0000	OK
600 minute winter	S03	405	120.506	0.046	1.1	0.0167	0.0000	OK
600 minute winter	S04	405	120.506	0.086	1.7	0.0552	0.0000	OK
600 minute winter	S05	405	120.506	0.111	2.1	0.0561	0.0000	OK
600 minute winter	S06	405	120.506	0.181	3.0	0.1421	0.0000	OK
600 minute winter	Tank01	405	120.506	0.196	5.5	33.5790	0.0000	OK
600 minute winter	S07	315	120.531	0.030	0.3	0.0107	0.0000	OK
600 minute winter	S08	315	120.530	0.031	1.4	0.0278	0.0000	OK
600 minute winter	S09	405	120.506	0.086	1.4	0.0137	0.0000	OK
600 minute winter	S10	405	120.506	0.176	1.9	0.0766	0.0000	SURCHARGED
600 minute winter	S11	405	120.506	0.195	1.8	0.0310	0.0000	SURCHARGED
600 minute winter	S12	315	120.541	0.016	0.6	0.0112	0.0000	OK
600 minute winter	S14	405	120.506	0.195	0.2	0.0485	0.0000	SURCHARGED
600 minute winter	S15	405	120.506	0.197	3.1	0.0557	0.0000	OK
600 minute winter	S16	405	120.506	0.226	3.3	0.3248	0.0000	SURCHARGED
600 minute winter	ACO	225	120.509	0.009	0.1	0.0007	0.0000	OK
600 minute winter	S17	405	120.238	0.048	3.3	0.0000	0.0000	OK
600 minute winter	Tank02	315	120.530	0.030	0.3	1.7219	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	S01	1.000	S02	0.5	0.296	0.034	0.0258	
600 minute winter	S02	1.001	S03	1.0	0.476	0.067	0.0208	
600 minute winter	S03	1.002	S04	1.1	0.347	0.030	0.0775	
600 minute winter	S04	1.003	S05	1.7	0.420	0.047	0.0864	
600 minute winter	S05	1.004	S06	2.1	0.321	0.056	0.3787	
600 minute winter	S06	1.005	Tank01	2.9	0.802	0.061	0.0620	
600 minute winter	Tank01	1.006	S15	3.1	0.273	0.192	0.0368	
600 minute winter	S07	2.000a	Tank02	0.3	0.389	0.055	0.0025	
600 minute winter	S08	2.001	S09	1.4	0.517	0.093	0.0657	
600 minute winter	S09	2.002	S10	1.4	0.305	0.093	0.1805	
600 minute winter	S10	2.003	S11	1.8	0.298	0.121	0.0448	
600 minute winter	S11	2.004	Tank01	1.8	0.610	0.334	0.0176	
600 minute winter	S12	3.000	Tank01	0.6	0.622	0.021	0.0010	
600 minute winter	S14	4.000	Tank01	0.2	-0.060	0.034	0.0176	
600 minute winter	S15	1.007	S16	3.1	0.122	0.070	0.1510	
600 minute winter	S16	1.008	S17	3.3	0.655	0.227	0.0673	88.0
600 minute winter	ACO	5.000	S16	0.1	0.312	0.015	0.0437	
600 minute winter	Tank02	2.000b	S08	0.3	-0.204	0.063	0.0026	

Results for 30 year 720 minute summer. 960 minute analysis at 15 minute timestep. Mass balance: 99.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute summer	S01	375	120.731	0.021	0.6	0.0134	0.0000	OK
720 minute summer	S02	375	120.634	0.029	1.2	0.0165	0.0000	OK
720 minute summer	S03	450	120.518	0.058	1.4	0.0212	0.0000	OK
720 minute summer	S04	450	120.518	0.098	2.1	0.0631	0.0000	OK
720 minute summer	S05	450	120.518	0.123	2.6	0.0624	0.0000	OK
720 minute summer	S06	450	120.518	0.193	3.7	0.1519	0.0000	OK
720 minute summer	Tank01	450	120.518	0.208	6.8	35.7057	0.0000	OK
720 minute summer	S07	375	120.535	0.034	0.4	0.0121	0.0000	OK
720 minute summer	S08	375	120.534	0.035	1.8	0.0312	0.0000	OK
720 minute summer	S09	450	120.519	0.099	1.8	0.0157	0.0000	OK
720 minute summer	S10	450	120.519	0.188	2.3	0.0820	0.0000	SURCHARGED
720 minute summer	S11	450	120.518	0.207	2.3	0.0330	0.0000	SURCHARGED
720 minute summer	S12	375	120.542	0.017	0.7	0.0120	0.0000	OK
720 minute summer	S14	450	120.518	0.207	0.2	0.0516	0.0000	SURCHARGED
720 minute summer	S15	450	120.518	0.209	3.1	0.0592	0.0000	OK
720 minute summer	S16	450	120.518	0.238	3.3	0.3426	0.0000	SURCHARGED
720 minute summer	ACO	450	120.518	0.018	0.2	0.0014	0.0000	OK
720 minute summer	S17	450	120.238	0.048	3.3	0.0000	0.0000	OK
720 minute summer	Tank02	375	120.534	0.034	0.4	1.9357	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	S01	1.000	S02	0.6	0.311	0.041	0.0294	
720 minute summer	S02	1.001	S03	1.2	0.502	0.080	0.0236	
720 minute summer	S03	1.002	S04	1.4	0.367	0.038	0.0975	
720 minute summer	S04	1.003	S05	2.1	0.421	0.058	0.1007	
720 minute summer	S05	1.004	S06	2.5	0.307	0.069	0.4131	
720 minute summer	S06	1.005	Tank01	3.6	0.763	0.076	0.0654	
720 minute summer	Tank01	1.006	S15	3.1	0.271	0.192	0.0385	
720 minute summer	S07	2.000a	Tank02	0.4	0.270	0.073	0.0030	
720 minute summer	S08	2.001	S09	1.8	0.542	0.117	0.0759	
720 minute summer	S09	2.002	S10	1.7	0.267	0.117	0.1922	
720 minute summer	S10	2.003	S11	2.3	0.270	0.150	0.0448	
720 minute summer	S11	2.004	Tank01	2.3	0.537	0.414	0.0176	
720 minute summer	S12	3.000	Tank01	0.7	0.650	0.025	0.0011	
720 minute summer	S14	4.000	Tank01	0.2	-0.055	0.033	0.0176	
720 minute summer	S15	1.007	S16	3.1	0.121	0.070	0.1544	
720 minute summer	S16	1.008	S17	3.3	0.655	0.227	0.0674	92.9
720 minute summer	ACO	5.000	S16	0.2	0.307	0.029	0.0471	
720 minute summer	Tank02	2.000b	S08	0.5	-0.178	0.086	0.0030	

Results for 30 year 720 minute winter. 960 minute analysis at 15 minute timestep. Mass balance: 99.97%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute winter	S01	330	120.727	0.017	0.4	0.0110	0.0000	OK
720 minute winter	S02	330	120.629	0.024	0.8	0.0135	0.0000	OK
720 minute winter	S03	480	120.490	0.030	0.9	0.0109	0.0000	OK
720 minute winter	S04	480	120.490	0.070	1.4	0.0448	0.0000	OK
720 minute winter	S05	480	120.490	0.095	1.7	0.0479	0.0000	OK
720 minute winter	S06	480	120.490	0.165	2.5	0.1294	0.0000	OK
720 minute winter	Tank01	480	120.490	0.180	4.5	30.7999	0.0000	OK
720 minute winter	S07	375	120.527	0.026	0.2	0.0095	0.0000	OK
720 minute winter	S08	375	120.527	0.028	1.1	0.0250	0.0000	OK
720 minute winter	S09	480	120.490	0.070	1.1	0.0111	0.0000	OK
720 minute winter	S10	480	120.490	0.160	1.5	0.0695	0.0000	SURCHARGED
720 minute winter	S11	480	120.490	0.179	1.5	0.0284	0.0000	SURCHARGED
720 minute winter	S12	360	120.540	0.015	0.5	0.0102	0.0000	OK
720 minute winter	S14	480	120.490	0.179	0.1	0.0445	0.0000	SURCHARGED
720 minute winter	S15	480	120.490	0.181	3.0	0.0511	0.0000	OK
720 minute winter	S16	480	120.489	0.209	3.3	0.3014	0.0000	SURCHARGED
720 minute winter	ACO	270	120.509	0.009	0.1	0.0007	0.0000	OK
720 minute winter	S17	480	120.238	0.048	3.3	0.0000	0.0000	OK
720 minute winter	Tank02	375	120.527	0.027	0.2	1.5336	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	S01	1.000	S02	0.4	0.277	0.027	0.0220	
720 minute winter	S02	1.001	S03	0.8	0.447	0.054	0.0177	
720 minute winter	S03	1.002	S04	0.9	0.331	0.024	0.0534	
720 minute winter	S04	1.003	S05	1.4	0.403	0.039	0.0681	
720 minute winter	S05	1.004	S06	1.7	0.316	0.047	0.3315	
720 minute winter	S06	1.005	Tank01	2.5	0.747	0.051	0.0570	
720 minute winter	Tank01	1.006	S15	3.0	0.274	0.188	0.0341	
720 minute winter	S07	2.000a	Tank02	0.2	0.255	0.037	0.0021	
720 minute winter	S08	2.001	S09	1.1	0.489	0.073	0.0519	
720 minute winter	S09	2.002	S10	1.1	0.288	0.074	0.1649	
720 minute winter	S10	2.003	S11	1.5	0.287	0.096	0.0448	
720 minute winter	S11	2.004	Tank01	1.5	0.570	0.267	0.0176	
720 minute winter	S12	3.000	Tank01	0.5	0.591	0.018	0.0008	
720 minute winter	S14	4.000	Tank01	0.1	-0.066	0.019	0.0176	
720 minute winter	S15	1.007	S16	3.0	0.121	0.068	0.1433	
720 minute winter	S16	1.008	S17	3.3	0.654	0.226	0.0670	92.7
720 minute winter	ACO	5.000	S16	0.1	0.312	0.015	0.0437	
720 minute winter	Tank02	2.000b	S08	0.3	-0.202	0.048	0.0022	

Results for 30 year 960 minute summer. 1200 minute analysis at 15 minute timestep. Mass balance: 99.97%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute summer	S01	480	120.729	0.019	0.5	0.0123	0.0000	OK
960 minute summer	S02	480	120.632	0.027	1.0	0.0151	0.0000	OK
960 minute summer	S03	585	120.500	0.040	1.1	0.0146	0.0000	OK
960 minute summer	S04	585	120.500	0.080	1.7	0.0514	0.0000	OK
960 minute summer	S05	585	120.500	0.105	2.1	0.0531	0.0000	OK
960 minute summer	S06	585	120.500	0.175	3.1	0.1375	0.0000	OK
960 minute summer	Tank01	585	120.500	0.190	5.6	32.5609	0.0000	OK
960 minute summer	S07	495	120.531	0.030	0.3	0.0107	0.0000	OK
960 minute summer	S08	495	120.530	0.031	1.4	0.0278	0.0000	OK
960 minute summer	S09	585	120.500	0.080	1.4	0.0128	0.0000	OK
960 minute summer	S10	585	120.500	0.170	1.9	0.0740	0.0000	SURCHARGED
960 minute summer	S11	585	120.500	0.189	1.8	0.0300	0.0000	SURCHARGED
960 minute summer	S12	495	120.541	0.016	0.6	0.0112	0.0000	OK
960 minute summer	S14	585	120.500	0.189	0.2	0.0470	0.0000	SURCHARGED
960 minute summer	S15	585	120.500	0.191	3.0	0.0540	0.0000	OK
960 minute summer	S16	585	120.500	0.220	3.3	0.3162	0.0000	SURCHARGED
960 minute summer	ACO	405	120.509	0.009	0.1	0.0007	0.0000	OK
960 minute summer	S17	585	120.238	0.048	3.3	0.0000	0.0000	OK
960 minute summer	Tank02	495	120.530	0.030	0.3	1.7214	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	S01	1.000	S02	0.5	0.296	0.034	0.0258	
960 minute summer	S02	1.001	S03	1.0	0.476	0.067	0.0208	
960 minute summer	S03	1.002	S04	1.1	0.347	0.030	0.0684	
960 minute summer	S04	1.003	S05	1.7	0.420	0.047	0.0797	
960 minute summer	S05	1.004	S06	2.1	0.308	0.056	0.3617	
960 minute summer	S06	1.005	Tank01	3.0	0.628	0.063	0.0603	
960 minute summer	Tank01	1.006	S15	3.0	0.273	0.189	0.0358	
960 minute summer	S07	2.000a	Tank02	0.3	0.195	0.055	0.0025	
960 minute summer	S08	2.001	S09	1.4	0.516	0.092	0.0607	
960 minute summer	S09	2.002	S10	1.4	0.262	0.092	0.1748	
960 minute summer	S10	2.003	S11	1.8	0.240	0.120	0.0448	
960 minute summer	S11	2.004	Tank01	1.8	0.418	0.332	0.0176	
960 minute summer	S12	3.000	Tank01	0.6	0.622	0.021	0.0010	
960 minute summer	S14	4.000	Tank01	0.2	0.022	0.034	0.0176	
960 minute summer	S15	1.007	S16	3.1	0.123	0.069	0.1487	
960 minute summer	S16	1.008	S17	3.3	0.655	0.227	0.0672	101.2
960 minute summer	ACO	5.000	S16	0.1	0.307	0.015	0.0437	
960 minute summer	Tank02	2.000b	S08	0.3	0.157	0.063	0.0026	

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	S01	420	120.725	0.015	0.3	0.0096	0.0000	OK
960 minute winter	S02	420	120.626	0.021	0.6	0.0117	0.0000	OK
960 minute winter	S03	420	120.481	0.021	0.7	0.0078	0.0000	OK
960 minute winter	S04	600	120.462	0.042	1.1	0.0269	0.0000	OK
960 minute winter	S05	600	120.462	0.067	1.4	0.0337	0.0000	OK
960 minute winter	S06	600	120.462	0.137	2.0	0.1073	0.0000	OK
960 minute winter	Tank01	600	120.462	0.152	3.6	25.9844	0.0000	OK
960 minute winter	S07	510	120.525	0.024	0.2	0.0087	0.0000	OK
960 minute winter	S08	510	120.524	0.025	0.9	0.0227	0.0000	OK
960 minute winter	S09	600	120.462	0.042	0.9	0.0066	0.0000	OK
960 minute winter	S10	600	120.462	0.132	1.2	0.0573	0.0000	OK
960 minute winter	S11	600	120.462	0.151	1.2	0.0239	0.0000	SURCHARGED
960 minute winter	S12	450	120.538	0.013	0.4	0.0091	0.0000	OK
960 minute winter	S14	600	120.462	0.151	0.1	0.0375	0.0000	SURCHARGED
960 minute winter	S15	600	120.461	0.152	2.9	0.0431	0.0000	OK
960 minute winter	S16	600	120.461	0.181	3.2	0.2609	0.0000	SURCHARGED
960 minute winter	ACO	375	120.509	0.009	0.1	0.0007	0.0000	OK
960 minute winter	S17	600	120.238	0.048	3.2	0.0000	0.0000	OK
960 minute winter	Tank02	510	120.525	0.025	0.2	1.3984	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	S01	1.000	S02	0.3	0.255	0.020	0.0180	
960 minute winter	S02	1.001	S03	0.6	0.411	0.040	0.0144	
960 minute winter	S03	1.002	S04	0.7	0.310	0.019	0.0265	
960 minute winter	S04	1.003	S05	1.1	0.380	0.031	0.0386	
960 minute winter	S05	1.004	S06	1.4	0.308	0.038	0.2471	
960 minute winter	S06	1.005	Tank01	2.0	0.634	0.041	0.0469	
960 minute winter	Tank01	1.006	S15	2.9	0.273	0.182	0.0285	
960 minute winter	S07	2.000a	Tank02	0.2	0.252	0.037	0.0019	
960 minute winter	S08	2.001	S09	0.9	0.464	0.060	0.0303	
960 minute winter	S09	2.002	S10	0.9	0.272	0.061	0.1311	
960 minute winter	S10	2.003	S11	1.2	0.268	0.078	0.0432	
960 minute winter	S11	2.004	Tank01	1.2	0.472	0.217	0.0176	
960 minute winter	S12	3.000	Tank01	0.4	0.555	0.014	0.0007	
960 minute winter	S14	4.000	Tank01	0.1	0.021	0.019	0.0176	
960 minute winter	S15	1.007	S16	2.9	0.123	0.066	0.1240	
960 minute winter	S16	1.008	S17	3.2	0.651	0.221	0.0661	99.7
960 minute winter	ACO	5.000	S16	0.1	0.308	0.015	0.0432	
960 minute winter	Tank02	2.000b	S08	0.2	-0.150	0.045	0.0019	

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	S01	750	120.727	0.017	0.4	0.0110	0.0000	OK
1440 minute summer	S02	750	120.629	0.024	0.8	0.0135	0.0000	OK
1440 minute summer	S03	750	120.484	0.024	0.9	0.0088	0.0000	OK
1440 minute summer	S04	840	120.466	0.046	1.3	0.0293	0.0000	OK
1440 minute summer	S05	840	120.466	0.071	1.6	0.0357	0.0000	OK
1440 minute summer	S06	840	120.466	0.140	2.3	0.1104	0.0000	OK
1440 minute summer	Tank01	840	120.465	0.155	4.1	26.6552	0.0000	OK
1440 minute summer	S07	750	120.526	0.025	0.2	0.0091	0.0000	OK
1440 minute summer	S08	750	120.526	0.027	1.0	0.0239	0.0000	OK
1440 minute summer	S09	840	120.466	0.046	1.0	0.0073	0.0000	OK
1440 minute summer	S10	840	120.466	0.136	1.4	0.0590	0.0000	OK
1440 minute summer	S11	840	120.466	0.155	1.4	0.0246	0.0000	SURCHARGED
1440 minute summer	S12	720	120.538	0.013	0.4	0.0091	0.0000	OK
1440 minute summer	S14	840	120.465	0.154	0.1	0.0385	0.0000	SURCHARGED
1440 minute summer	S15	840	120.465	0.156	2.9	0.0442	0.0000	OK
1440 minute summer	S16	840	120.465	0.185	3.2	0.2666	0.0000	SURCHARGED
1440 minute summer	ACO	660	120.509	0.009	0.1	0.0007	0.0000	OK
1440 minute summer	S17	840	120.238	0.048	3.2	0.0000	0.0000	OK
1440 minute summer	Tank02	750	120.526	0.026	0.2	1.4662	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	S01	1.000	S02	0.4	0.277	0.027	0.0220	
1440 minute summer	S02	1.001	S03	0.8	0.447	0.054	0.0177	
1440 minute summer	S03	1.002	S04	0.9	0.342	0.024	0.0292	
1440 minute summer	S04	1.003	S05	1.3	0.392	0.036	0.0424	
1440 minute summer	S05	1.004	S06	1.6	0.308	0.044	0.2588	
1440 minute summer	S06	1.005	Tank01	2.3	0.469	0.047	0.0484	
1440 minute summer	Tank01	1.006	S15	2.9	0.259	0.183	0.0293	
1440 minute summer	S07	2.000a	Tank02	0.2	0.153	0.037	0.0020	
1440 minute summer	S08	2.001	S09	1.0	0.478	0.066	0.0332	
1440 minute summer	S09	2.002	S10	1.0	0.251	0.067	0.1369	
1440 minute summer	S10	2.003	S11	1.4	0.204	0.090	0.0437	
1440 minute summer	S11	2.004	Tank01	1.4	0.411	0.250	0.0176	
1440 minute summer	S12	3.000	Tank01	0.4	0.555	0.014	0.0007	
1440 minute summer	S14	4.000	Tank01	0.1	0.019	0.019	0.0176	
1440 minute summer	S15	1.007	S16	2.9	0.116	0.066	0.1270	
1440 minute summer	S16	1.008	S17	3.2	0.651	0.222	0.0662	107.6
1440 minute summer	ACO	5.000	S16	0.1	0.309	0.015	0.0437	
1440 minute summer	Tank02	2.000b	S08	0.2	0.143	0.044	0.0021	

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	S01	750	120.725	0.015	0.3	0.0096	0.0000	OK
1440 minute winter	S02	750	120.626	0.021	0.6	0.0117	0.0000	OK
1440 minute winter	S03	750	120.481	0.021	0.7	0.0078	0.0000	OK
1440 minute winter	S04	750	120.447	0.027	1.0	0.0171	0.0000	OK
1440 minute winter	S05	840	120.429	0.034	1.2	0.0171	0.0000	OK
1440 minute winter	S06	840	120.429	0.103	1.7	0.0813	0.0000	OK
1440 minute winter	Tank01	840	120.428	0.118	3.0	20.3106	0.0000	OK
1440 minute winter	S07	840	120.520	0.019	0.1	0.0069	0.0000	OK
1440 minute winter	S08	840	120.520	0.021	0.6	0.0186	0.0000	OK
1440 minute winter	S09	840	120.441	0.021	0.6	0.0033	0.0000	OK
1440 minute winter	S10	840	120.429	0.099	0.9	0.0429	0.0000	OK
1440 minute winter	S11	840	120.429	0.118	0.9	0.0187	0.0000	OK
1440 minute winter	S12	690	120.536	0.011	0.3	0.0079	0.0000	OK
1440 minute winter	S14	840	120.428	0.117	0.1	0.0292	0.0000	OK
1440 minute winter	S15	840	120.428	0.119	2.5	0.0337	0.0000	OK
1440 minute winter	S16	840	120.428	0.148	2.9	0.2132	0.0000	OK
1440 minute winter	ACO	660	120.509	0.009	0.1	0.0007	0.0000	OK
1440 minute winter	S17	840	120.235	0.045	2.9	0.0000	0.0000	OK
1440 minute winter	Tank02	840	120.520	0.020	0.1	1.1280	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	S01	1.000	S02	0.3	0.255	0.020	0.0180	
1440 minute winter	S02	1.001	S03	0.6	0.411	0.040	0.0144	
1440 minute winter	S03	1.002	S04	0.7	0.310	0.019	0.0178	
1440 minute winter	S04	1.003	S05	1.0	0.368	0.028	0.0148	
1440 minute winter	S05	1.004	S06	1.2	0.308	0.033	0.1518	
1440 minute winter	S06	1.005	Tank01	1.8	0.468	0.038	0.0341	
1440 minute winter	Tank01	1.006	S15	2.5	0.271	0.157	0.0213	
1440 minute winter	S07	2.000a	Tank02	0.1	0.159	0.018	0.0013	
1440 minute winter	S08	2.001	S09	0.6	0.413	0.040	0.0157	
1440 minute winter	S09	2.002	S10	0.6	0.257	0.040	0.0882	
1440 minute winter	S10	2.003	S11	0.9	0.204	0.058	0.0345	
1440 minute winter	S11	2.004	Tank01	0.9	0.479	0.162	0.0149	
1440 minute winter	S12	3.000	Tank01	0.3	0.509	0.011	0.0006	
1440 minute winter	S14	4.000	Tank01	0.1	0.017	0.019	0.0149	
1440 minute winter	S15	1.007	S16	2.5	0.122	0.057	0.0967	
1440 minute winter	S16	1.008	S17	2.9	0.634	0.200	0.0615	107.3
1440 minute winter	ACO	5.000	S16	0.1	0.161	0.015	0.0296	
1440 minute winter	Tank02	2.000b	S08	0.1	0.138	0.025	0.0014	

Results for 100 year +45% CC 15 minute summer. 255 minute analysis at 1 minute timestep. Mass balance: 99.83%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	S01	11	120.833	0.123	9.4	0.0798	0.0000	OK
15 minute summer	S02	11	120.795	0.190	18.2	0.1067	0.0000	SURCHARGED
15 minute summer	S03	11	120.665	0.205	20.3	0.0746	0.0000	OK
15 minute summer	S04	11	120.649	0.229	31.0	0.1470	0.0000	SURCHARGED
15 minute summer	S05	11	120.616	0.221	37.7	0.1119	0.0000	OK
15 minute summer	S06	23	120.559	0.234	54.3	0.1841	0.0000	SURCHARGED
15 minute summer	Tank01	22	120.559	0.249	98.7	42.7242	0.0000	SURCHARGED
15 minute summer	S07	14	120.600	0.099	5.5	0.0354	0.0000	OK
15 minute summer	S08	12	120.599	0.100	20.4	0.0904	0.0000	OK
15 minute summer	S09	15	120.584	0.164	9.5	0.0260	0.0000	SURCHARGED
15 minute summer	S10	19	120.564	0.234	18.5	0.1018	0.0000	SURCHARGED
15 minute summer	S11	20	120.560	0.249	18.2	0.0396	0.0000	SURCHARGED
15 minute summer	S12	10	120.601	0.076	11.0	0.0527	0.0000	OK
15 minute summer	S14	22	120.559	0.248	3.1	0.0618	0.0000	SURCHARGED
15 minute summer	S15	22	120.559	0.250	14.2	0.0708	0.0000	SURCHARGED
15 minute summer	S16	22	120.559	0.279	18.1	0.4015	0.0000	SURCHARGED
15 minute summer	ACO	22	120.559	0.059	2.4	0.0046	0.0000	OK
15 minute summer	S17	62	120.238	0.048	3.3	0.0000	0.0000	OK
15 minute summer	Tank02	14	120.599	0.099	16.0	5.6398	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	S01	1.000	S02	9.0	0.593	0.612	0.2498	
15 minute summer	S02	1.001	S03	18.1	1.033	1.214	0.1672	
15 minute summer	S03	1.002	S04	20.4	0.535	0.554	0.3056	
15 minute summer	S04	1.003	S05	31.0	0.781	0.863	0.2054	
15 minute summer	S05	1.004	S06	37.8	0.982	1.038	0.5402	
15 minute summer	S06	1.005	Tank01	53.6	2.201	1.114	0.0696	
15 minute summer	Tank01	1.006	S15	-13.7	-1.101	-0.853	0.0398	
15 minute summer	S07	2.000a	Tank02	5.1	0.997	0.938	0.0123	
15 minute summer	S08	2.001	S09	9.5	0.827	0.624	0.1627	
15 minute summer	S09	2.002	S10	9.1	0.531	0.616	0.2264	
15 minute summer	S10	2.003	S11	18.2	1.036	1.190	0.0448	
15 minute summer	S11	2.004	Tank01	17.9	1.166	3.262	0.0176	
15 minute summer	S12	3.000	Tank01	11.0	1.355	0.389	0.0081	
15 minute summer	S14	4.000	Tank01	2.5	0.677	0.463	0.0176	
15 minute summer	S15	1.007	S16	-14.2	-0.582	-0.320	0.1569	
15 minute summer	S16	1.008	S17	3.3	0.656	0.227	0.0674	42.5
15 minute summer	ACO	5.000	S16	2.4	0.587	0.349	0.0680	
15 minute summer	Tank02	2.000b	S08	-11.1	-1.543	-2.023	0.0124	

Results for 100 year +45% CC 15 minute winter. 255 minute analysis at 1 minute timestep. Mass balance: 99.83%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	S01	11	120.802	0.092	8.8	0.0599	0.0000	OK
15 minute winter	S02	11	120.773	0.168	17.0	0.0944	0.0000	SURCHARGED
15 minute winter	S03	11	120.642	0.182	19.1	0.0664	0.0000	OK
15 minute winter	S04	11	120.629	0.209	29.0	0.1341	0.0000	OK
15 minute winter	S05	11	120.600	0.205	35.3	0.1035	0.0000	OK
15 minute winter	S06	23	120.560	0.235	50.8	0.1845	0.0000	SURCHARGED
15 minute winter	Tank01	22	120.560	0.250	91.5	42.7981	0.0000	SURCHARGED
15 minute winter	S07	15	120.599	0.098	5.2	0.0352	0.0000	OK
15 minute winter	S08	15	120.598	0.099	19.2	0.0894	0.0000	OK
15 minute winter	S09	15	120.584	0.164	9.2	0.0261	0.0000	SURCHARGED
15 minute winter	S10	18	120.565	0.235	17.6	0.1021	0.0000	SURCHARGED
15 minute winter	S11	21	120.561	0.250	17.0	0.0397	0.0000	SURCHARGED
15 minute winter	S12	10	120.598	0.073	10.3	0.0507	0.0000	OK
15 minute winter	S14	22	120.560	0.249	2.9	0.0619	0.0000	SURCHARGED
15 minute winter	S15	22	120.560	0.250	13.1	0.0709	0.0000	SURCHARGED
15 minute winter	S16	22	120.559	0.279	16.9	0.4020	0.0000	SURCHARGED
15 minute winter	ACO	22	120.560	0.060	2.2	0.0047	0.0000	OK
15 minute winter	S17	63	120.238	0.048	3.3	0.0000	0.0000	OK
15 minute winter	Tank02	15	120.599	0.099	16.4	5.6101	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	S01	1.000	S02	8.5	0.582	0.577	0.2190	
15 minute winter	S02	1.001	S03	17.0	0.981	1.137	0.1618	
15 minute winter	S03	1.002	S04	19.2	0.531	0.520	0.2867	
15 minute winter	S04	1.003	S05	29.1	0.761	0.808	0.1978	
15 minute winter	S05	1.004	S06	35.5	0.963	0.975	0.5193	
15 minute winter	S06	1.005	Tank01	50.9	2.225	1.058	0.0696	
15 minute winter	Tank01	1.006	S15	-12.6	-1.072	-0.783	0.0398	
15 minute winter	S07	2.000a	Tank02	6.1	0.944	1.111	0.0123	
15 minute winter	S08	2.001	S09	9.2	0.813	0.606	0.1618	
15 minute winter	S09	2.002	S10	8.8	0.527	0.591	0.2264	
15 minute winter	S10	2.003	S11	17.0	0.969	1.113	0.0448	
15 minute winter	S11	2.004	Tank01	16.1	1.321	2.948	0.0176	
15 minute winter	S12	3.000	Tank01	10.3	1.333	0.364	0.0077	
15 minute winter	S14	4.000	Tank01	2.4	0.686	0.431	0.0176	
15 minute winter	S15	1.007	S16	-13.1	-0.542	-0.293	0.1569	
15 minute winter	S16	1.008	S17	3.3	0.656	0.227	0.0674	42.6
15 minute winter	ACO	5.000	S16	2.2	0.580	0.322	0.0683	
15 minute winter	Tank02	2.000b	S08	-10.3	-1.460	-1.881	0.0123	

Results for 100 year +45% CC 30 minute summer. 270 minute analysis at 1 minute timestep. Mass balance: 99.77%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	S01	18	120.805	0.095	8.7	0.0619	0.0000	OK
30 minute summer	S02	18	120.776	0.171	17.2	0.0961	0.0000	SURCHARGED
30 minute summer	S03	19	120.647	0.187	19.3	0.0680	0.0000	OK
30 minute summer	S04	19	120.635	0.215	29.3	0.1383	0.0000	OK
30 minute summer	S05	33	120.632	0.237	35.7	0.1200	0.0000	SURCHARGED
30 minute summer	S06	34	120.632	0.307	51.3	0.2417	0.0000	SURCHARGED
30 minute summer	Tank01	34	120.633	0.323	91.2	55.3109	0.0000	SURCHARGED
30 minute summer	S07	34	120.633	0.132	5.1	0.0473	0.0000	OK
30 minute summer	S08	33	120.633	0.134	18.8	0.1204	0.0000	OK
30 minute summer	S09	34	120.633	0.213	9.1	0.0338	0.0000	SURCHARGED
30 minute summer	S10	34	120.633	0.303	17.0	0.1316	0.0000	SURCHARGED
30 minute summer	S11	34	120.633	0.322	16.6	0.0511	0.0000	SURCHARGED
30 minute summer	S12	32	120.634	0.109	10.1	0.0762	0.0000	OK
30 minute summer	S14	34	120.633	0.322	2.9	0.0801	0.0000	SURCHARGED
30 minute summer	S15	34	120.632	0.323	12.5	0.0915	0.0000	SURCHARGED
30 minute summer	S16	34	120.632	0.352	16.7	0.5071	0.0000	SURCHARGED
30 minute summer	ACO	34	120.632	0.132	2.2	0.0103	0.0000	SURCHARGED
30 minute summer	S17	163	120.238	0.048	3.3	0.0000	0.0000	OK
30 minute summer	Tank02	34	120.633	0.133	14.9	7.5232	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	S01	1.000	S02	8.5	0.585	0.577	0.2224	
30 minute summer	S02	1.001	S03	17.1	0.989	1.147	0.1621	
30 minute summer	S03	1.002	S04	19.2	0.529	0.521	0.2924	
30 minute summer	S04	1.003	S05	29.2	0.761	0.811	0.2034	
30 minute summer	S05	1.004	S06	35.4	0.946	0.971	0.5611	
30 minute summer	S06	1.005	Tank01	50.6	1.891	1.052	0.0696	
30 minute summer	Tank01	1.006	S15	-12.1	-0.700	-0.748	0.0398	
30 minute summer	S07	2.000a	Tank02	4.9	0.916	0.894	0.0164	
30 minute summer	S08	2.001	S09	9.1	0.837	0.597	0.1846	
30 minute summer	S09	2.002	S10	8.3	0.524	0.559	0.2264	
30 minute summer	S10	2.003	S11	16.6	0.944	1.086	0.0448	
30 minute summer	S11	2.004	Tank01	16.1	1.144	2.946	0.0176	
30 minute summer	S12	3.000	Tank01	10.1	1.328	0.358	0.0151	
30 minute summer	S14	4.000	Tank01	2.4	0.639	0.435	0.0176	
30 minute summer	S15	1.007	S16	-12.5	-0.425	-0.282	0.1569	
30 minute summer	S16	1.008	S17	3.3	0.656	0.227	0.0674	50.5
30 minute summer	ACO	5.000	S16	2.2	0.561	0.324	0.0840	
30 minute summer	Tank02	2.000b	S08	-10.0	-1.162	-1.821	0.0165	

Results for 100 year +45% CC 30 minute winter. 270 minute analysis at 1 minute timestep. Mass balance: 99.78%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute winter	S01	18	120.782	0.072	7.0	0.0470	0.0000	OK
30 minute winter	S02	18	120.732	0.127	14.0	0.0715	0.0000	OK
30 minute winter	S03	34	120.632	0.172	15.8	0.0627	0.0000	OK
30 minute winter	S04	34	120.632	0.212	23.9	0.1362	0.0000	OK
30 minute winter	S05	33	120.632	0.237	29.1	0.1201	0.0000	SURCHARGED
30 minute winter	S06	33	120.633	0.308	41.7	0.2418	0.0000	SURCHARGED
30 minute winter	Tank01	33	120.633	0.323	74.0	55.3241	0.0000	SURCHARGED
30 minute winter	S07	33	120.633	0.132	4.1	0.0474	0.0000	OK
30 minute winter	S08	33	120.633	0.134	15.2	0.1207	0.0000	OK
30 minute winter	S09	33	120.633	0.213	9.1	0.0339	0.0000	SURCHARGED
30 minute winter	S10	33	120.633	0.303	15.1	0.1317	0.0000	SURCHARGED
30 minute winter	S11	33	120.633	0.322	14.5	0.0512	0.0000	SURCHARGED
30 minute winter	S12	32	120.634	0.109	8.2	0.0763	0.0000	OK
30 minute winter	S14	33	120.633	0.322	2.3	0.0801	0.0000	SURCHARGED
30 minute winter	S15	33	120.633	0.324	9.5	0.0916	0.0000	SURCHARGED
30 minute winter	S16	33	120.632	0.352	13.5	0.5072	0.0000	SURCHARGED
30 minute winter	ACO	33	120.632	0.132	1.8	0.0103	0.0000	SURCHARGED
30 minute winter	S17	162	120.238	0.048	3.3	0.0000	0.0000	OK
30 minute winter	Tank02	33	120.633	0.133	11.0	7.5447	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	S01	1.000	S02	7.0	0.568	0.474	0.1839	
30 minute winter	S02	1.001	S03	14.0	0.937	0.937	0.1469	
30 minute winter	S03	1.002	S04	15.7	0.532	0.426	0.2808	
30 minute winter	S04	1.003	S05	23.8	0.734	0.661	0.2035	
30 minute winter	S05	1.004	S06	28.8	0.910	0.790	0.5611	
30 minute winter	S06	1.005	Tank01	40.8	1.924	0.849	0.0696	
30 minute winter	Tank01	1.006	S15	-9.0	-0.726	-0.561	0.0398	
30 minute winter	S07	2.000a	Tank02	4.3	0.855	0.786	0.0165	
30 minute winter	S08	2.001	S09	9.1	0.817	0.604	0.1847	
30 minute winter	S09	2.002	S10	8.1	0.515	0.547	0.2264	
30 minute winter	S10	2.003	S11	14.5	0.824	0.948	0.0448	
30 minute winter	S11	2.004	Tank01	14.0	1.112	2.565	0.0176	
30 minute winter	S12	3.000	Tank01	8.2	1.261	0.291	0.0151	
30 minute winter	S14	4.000	Tank01	1.9	0.681	0.343	0.0176	
30 minute winter	S15	1.007	S16	-9.5	-0.359	-0.212	0.1569	
30 minute winter	S16	1.008	S17	3.3	0.656	0.227	0.0674	50.5
30 minute winter	ACO	5.000	S16	1.8	0.568	0.265	0.0840	
30 minute winter	Tank02	2.000b	S08	-7.1	-1.057	-1.290	0.0166	

Results for 100 year +45% CC 60 minute summer. 300 minute analysis at 1 minute timestep. Mass balance: 99.58%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute summer	S01	33	120.780	0.070	6.6	0.0454	0.0000	OK
60 minute summer	S02	63	120.757	0.152	13.2	0.0853	0.0000	SURCHARGED
60 minute summer	S03	63	120.757	0.297	14.9	0.1081	0.0000	SURCHARGED
60 minute summer	S04	63	120.758	0.338	22.4	0.2171	0.0000	SURCHARGED
60 minute summer	S05	63	120.759	0.364	27.0	0.1840	0.0000	SURCHARGED
60 minute summer	S06	63	120.758	0.433	38.5	0.3404	0.0000	SURCHARGED
60 minute summer	Tank01	63	120.758	0.448	69.1	68.6757	0.0000	SURCHARGED
60 minute summer	S07	64	120.758	0.256	3.9	0.0921	0.0000	SURCHARGED
60 minute summer	S08	64	120.757	0.258	14.4	0.2327	0.0000	SURCHARGED
60 minute summer	S09	63	120.757	0.337	8.4	0.0535	0.0000	SURCHARGED
60 minute summer	S10	63	120.758	0.428	14.3	0.1860	0.0000	SURCHARGED
60 minute summer	S11	63	120.758	0.447	14.0	0.0711	0.0000	SURCHARGED
60 minute summer	S12	63	120.758	0.233	7.8	0.1624	0.0000	SURCHARGED
60 minute summer	S14	63	120.758	0.447	2.2	0.1112	0.0000	SURCHARGED
60 minute summer	S15	63	120.758	0.449	8.8	0.1270	0.0000	SURCHARGED
60 minute summer	S16	63	120.757	0.477	12.8	0.6872	0.0000	SURCHARGED
60 minute summer	ACO	63	120.754	0.254	1.7	0.0198	0.0000	SURCHARGED
60 minute summer	S17	281	120.238	0.048	3.3	0.0000	0.0000	OK
60 minute summer	Tank02	64	120.758	0.257	10.8	8.6196	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute summer	S01	1.000	S02	6.6	0.564	0.447	0.1753	
60 minute summer	S02	1.001	S03	13.2	0.923	0.884	0.1740	
60 minute summer	S03	1.002	S04	14.6	0.523	0.397	0.3126	
60 minute summer	S04	1.003	S05	22.0	0.697	0.611	0.2059	
60 minute summer	S05	1.004	S06	26.3	0.773	0.723	0.5611	
60 minute summer	S06	1.005	Tank01	38.0	1.710	0.790	0.0696	
60 minute summer	Tank01	1.006	S15	-8.4	-0.529	-0.524	0.0398	
60 minute summer	S07	2.000a	Tank02	3.7	0.791	0.683	0.0176	
60 minute summer	S08	2.001	S09	8.4	0.782	0.555	0.1901	
60 minute summer	S09	2.002	S10	7.7	0.460	0.520	0.2264	
60 minute summer	S10	2.003	S11	14.0	0.796	0.915	0.0448	
60 minute summer	S11	2.004	Tank01	13.6	1.035	2.492	0.0176	
60 minute summer	S12	3.000	Tank01	7.8	1.245	0.277	0.0176	
60 minute summer	S14	4.000	Tank01	1.8	0.539	0.328	0.0176	
60 minute summer	S15	1.007	S16	-8.8	-0.230	-0.199	0.1569	
60 minute summer	S16	1.008	S17	3.3	0.656	0.227	0.0674	54.0
60 minute summer	ACO	5.000	S16	1.7	0.490	0.248	0.0840	
60 minute summer	Tank02	2.000b	S08	-7.2	-0.660	-1.316	0.0176	

Results for 100 year +45% CC 60 minute winter. 300 minute analysis at 1 minute timestep. Mass balance: 99.59%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	S01	33	120.769	0.059	4.8	0.0380	0.0000	OK
60 minute winter	S02	61	120.758	0.153	9.6	0.0858	0.0000	SURCHARGED
60 minute winter	S03	62	120.757	0.297	10.8	0.1081	0.0000	SURCHARGED
60 minute winter	S04	62	120.759	0.339	16.2	0.2174	0.0000	SURCHARGED
60 minute winter	S05	62	120.759	0.364	19.6	0.1843	0.0000	SURCHARGED
60 minute winter	S06	62	120.758	0.433	27.9	0.3405	0.0000	SURCHARGED
60 minute winter	Tank01	62	120.758	0.448	50.9	68.6757	0.0000	SURCHARGED
60 minute winter	S07	63	120.758	0.257	2.8	0.0922	0.0000	SURCHARGED
60 minute winter	S08	63	120.758	0.259	10.4	0.2330	0.0000	SURCHARGED
60 minute winter	S09	62	120.757	0.337	7.7	0.0536	0.0000	SURCHARGED
60 minute winter	S10	62	120.758	0.428	12.2	0.1861	0.0000	SURCHARGED
60 minute winter	S11	62	120.758	0.447	11.9	0.0711	0.0000	SURCHARGED
60 minute winter	S12	62	120.758	0.233	5.6	0.1624	0.0000	SURCHARGED
60 minute winter	S14	62	120.758	0.447	1.6	0.1112	0.0000	SURCHARGED
60 minute winter	S15	62	120.758	0.449	5.4	0.1270	0.0000	SURCHARGED
60 minute winter	S16	62	120.757	0.477	9.2	0.6874	0.0000	SURCHARGED
60 minute winter	ACO	61	120.755	0.255	1.2	0.0199	0.0000	SURCHARGED
60 minute winter	S17	280	120.238	0.048	3.3	0.0000	0.0000	OK
60 minute winter	Tank02	63	120.758	0.258	6.7	8.6273	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute winter	S01	1.000	S02	4.8	0.535	0.325	0.1707	
60 minute winter	S02	1.001	S03	9.6	0.865	0.643	0.1740	
60 minute winter	S03	1.002	S04	10.6	0.519	0.288	0.3126	
60 minute winter	S04	1.003	S05	16.0	0.669	0.445	0.2059	
60 minute winter	S05	1.004	S06	19.1	0.720	0.524	0.5611	
60 minute winter	S06	1.005	Tank01	27.3	1.733	0.567	0.0696	
60 minute winter	Tank01	1.006	S15	-5.1	-0.574	-0.318	0.0398	
60 minute winter	S07	2.000a	Tank02	2.7	0.767	0.495	0.0176	
60 minute winter	S08	2.001	S09	7.7	0.781	0.506	0.1901	
60 minute winter	S09	2.002	S10	7.4	0.449	0.500	0.2264	
60 minute winter	S10	2.003	S11	11.9	0.678	0.780	0.0448	
60 minute winter	S11	2.004	Tank01	11.6	0.870	2.127	0.0176	
60 minute winter	S12	3.000	Tank01	5.6	1.143	0.199	0.0176	
60 minute winter	S14	4.000	Tank01	1.3	0.541	0.241	0.0176	
60 minute winter	S15	1.007	S16	-5.4	-0.166	-0.122	0.1569	
60 minute winter	S16	1.008	S17	3.3	0.656	0.227	0.0674	54.2
60 minute winter	ACO	5.000	S16	1.2	0.520	0.177	0.0840	
60 minute winter	Tank02	2.000b	S08	-4.4	-0.652	-0.808	0.0176	

Results for 100 year +45% CC 120 minute summer. 360 minute analysis at 2 minute timestep. Mass balance: 99.43%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute summer	S01	122	121.030	0.320	4.4	0.2078	0.0000	FLOOD RISK
120 minute summer	S02	122	121.030	0.425	8.8	0.2389	0.0000	FLOOD RISK
120 minute summer	S03	122	121.030	0.570	9.9	0.2075	0.0000	FLOOD RISK
120 minute summer	S04	122	121.030	0.610	14.6	0.3917	0.0000	FLOOD RISK
120 minute summer	S05	122	121.030	0.635	17.4	0.3214	0.0000	FLOOD RISK
120 minute summer	S06	122	121.030	0.705	24.9	0.5543	0.0000	FLOOD RISK
120 minute summer	Tank01	122	121.030	0.720	43.9	68.6757	0.0000	FLOOD RISK
120 minute summer	S07	122	121.032	0.531	2.6	0.1907	0.0000	FLOOD RISK
120 minute summer	S08	122	121.032	0.533	9.5	0.4805	0.0000	FLOOD RISK
120 minute summer	S09	122	121.032	0.611	7.0	0.0972	0.0000	FLOOD RISK
120 minute summer	S10	122	121.031	0.701	10.6	0.3047	0.0000	FLOOD RISK
120 minute summer	S11	122	121.030	0.719	10.4	0.1144	0.0000	FLOOD RISK
120 minute summer	S12	122	121.030	0.505	5.1	0.3526	0.0000	FLOOD RISK
120 minute summer	S14	122	121.030	0.719	1.5	0.1791	0.0000	FLOOD RISK
120 minute summer	S15	122	121.030	0.721	7.5	0.2041	0.0000	SURCHARGED
120 minute summer	S16	122	121.030	0.750	8.2	1.0797	0.0000	SURCHARGED
120 minute summer	ACO	122	121.030	0.530	1.1	0.0413	0.0000	SURCHARGED
120 minute summer	S17	122	120.239	0.049	3.4	0.0000	0.0000	OK
120 minute summer	Tank02	122	121.032	0.532	7.9	16.8558	0.0000	FLOOD RISK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute summer	S01	1.000	S02	4.4	0.526	0.298	0.2661	
120 minute summer	S02	1.001	S03	8.8	0.849	0.590	0.1740	
120 minute summer	S03	1.002	S04	9.5	0.500	0.258	0.3126	
120 minute summer	S04	1.003	S05	14.1	0.633	0.391	0.2059	
120 minute summer	S05	1.004	S06	16.9	0.553	0.465	0.5611	
120 minute summer	S06	1.005	Tank01	24.7	1.511	0.513	0.0696	
120 minute summer	Tank01	1.006	S15	7.5	-0.373	0.467	0.0398	
120 minute summer	S07	2.000a	Tank02	2.5	0.660	0.455	0.0176	
120 minute summer	S08	2.001	S09	7.0	0.719	0.460	0.1901	
120 minute summer	S09	2.002	S10	6.7	0.378	0.449	0.2264	
120 minute summer	S10	2.003	S11	10.4	0.589	0.677	0.0448	
120 minute summer	S11	2.004	Tank01	10.1	0.945	1.846	0.0176	
120 minute summer	S12	3.000	Tank01	5.1	1.105	0.180	0.0176	
120 minute summer	S14	4.000	Tank01	1.2	0.423	0.228	0.0176	
120 minute summer	S15	1.007	S16	-4.5	-0.113	-0.101	0.1569	
120 minute summer	S16	1.008	S17	3.4	0.661	0.235	0.0690	61.7
120 minute summer	ACO	5.000	S16	1.0	0.383	0.146	0.0840	
120 minute summer	Tank02	2.000b	S08	-7.3	-0.444	-1.332	0.0176	

Results for 100 year +45% CC 120 minute winter. 360 minute analysis at 2 minute timestep. Mass balance: 99.44%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute winter	S01	118	121.031	0.321	3.0	0.2085	0.0000	FLOOD RISK
120 minute winter	S02	118	121.031	0.426	6.0	0.2395	0.0000	FLOOD RISK
120 minute winter	S03	118	121.031	0.571	6.8	0.2078	0.0000	FLOOD RISK
120 minute winter	S04	118	121.031	0.611	10.1	0.3922	0.0000	FLOOD RISK
120 minute winter	S05	118	121.031	0.636	12.0	0.3217	0.0000	FLOOD RISK
120 minute winter	S06	118	121.031	0.706	17.2	0.5547	0.0000	FLOOD RISK
120 minute winter	Tank01	118	121.031	0.721	30.1	68.6757	0.0000	FLOOD RISK
120 minute winter	S07	120	121.033	0.532	1.8	0.1909	0.0000	FLOOD RISK
120 minute winter	S08	120	121.033	0.534	8.3	0.4808	0.0000	FLOOD RISK
120 minute winter	S09	120	121.032	0.612	6.2	0.0973	0.0000	FLOOD RISK
120 minute winter	S10	118	121.031	0.701	8.7	0.3048	0.0000	FLOOD RISK
120 minute winter	S11	118	121.031	0.720	8.5	0.1144	0.0000	FLOOD RISK
120 minute winter	S12	118	121.031	0.506	3.8	0.3529	0.0000	FLOOD RISK
120 minute winter	S14	118	121.031	0.720	1.5	0.1792	0.0000	FLOOD RISK
120 minute winter	S15	118	121.031	0.722	4.0	0.2042	0.0000	SURCHARGED
120 minute winter	S16	118	121.030	0.750	5.7	1.0804	0.0000	SURCHARGED
120 minute winter	ACO	118	121.030	0.530	1.6	0.0414	0.0000	SURCHARGED
120 minute winter	S17	120	120.239	0.049	3.4	0.0000	0.0000	OK
120 minute winter	Tank02	120	121.033	0.533	8.5	16.8691	0.0000	FLOOD RISK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute winter	S01	1.000	S02	3.0	0.489	0.203	0.2661	
120 minute winter	S02	1.001	S03	6.0	0.775	0.402	0.1740	
120 minute winter	S03	1.002	S04	6.6	0.488	0.178	0.3126	
120 minute winter	S04	1.003	S05	9.7	0.625	0.270	0.2059	
120 minute winter	S05	1.004	S06	11.7	0.548	0.321	0.5611	
120 minute winter	S06	1.005	Tank01	17.0	1.472	0.354	0.0696	
120 minute winter	Tank01	1.006	S15	4.0	-0.377	0.247	0.0398	
120 minute winter	S07	2.000a	Tank02	1.7	0.709	0.317	0.0176	
120 minute winter	S08	2.001	S09	6.2	0.708	0.411	0.1901	
120 minute winter	S09	2.002	S10	-6.0	0.371	-0.405	0.2264	
120 minute winter	S10	2.003	S11	8.5	0.482	0.555	0.0448	
120 minute winter	S11	2.004	Tank01	8.3	0.778	1.518	0.0176	
120 minute winter	S12	3.000	Tank01	6.4	1.003	0.228	0.0176	
120 minute winter	S14	4.000	Tank01	-1.0	0.421	-0.175	0.0176	
120 minute winter	S15	1.007	S16	3.2	-0.107	0.073	0.1569	
120 minute winter	S16	1.008	S17	3.4	0.661	0.235	0.0690	62.0
120 minute winter	ACO	5.000	S16	-1.2	0.422	-0.172	0.0840	
120 minute winter	Tank02	2.000b	S08	-8.0	-0.485	-1.462	0.0176	

Results for 100 year +45% CC 180 minute summer. 420 minute analysis at 4 minute timestep. Mass balance: 99.44%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute summer	S01	180	121.115	0.405	3.3	0.2628	0.0000	FLOOD RISK
180 minute summer	S02	180	121.115	0.510	6.6	0.2865	0.0000	FLOOD RISK
180 minute summer	S03	180	121.115	0.655	7.4	0.2383	0.0000	FLOOD RISK
180 minute summer	S04	180	121.115	0.695	10.9	0.4460	0.0000	FLOOD RISK
180 minute summer	S05	180	121.115	0.720	13.0	0.3641	0.0000	FLOOD RISK
180 minute summer	S06	180	121.115	0.790	18.8	0.6206	0.0000	FLOOD RISK
180 minute summer	Tank01	180	121.115	0.804	31.6	68.6757	0.0000	FLOOD RISK
180 minute summer	S07	180	121.115	0.614	1.9	0.2205	0.0000	FLOOD RISK
180 minute summer	S08	180	121.115	0.616	9.4	0.5552	0.0000	FLOOD RISK
180 minute summer	S09	180	121.115	0.695	6.5	0.1105	0.0000	FLOOD RISK
180 minute summer	S10	180	121.115	0.785	8.3	0.3413	0.0000	FLOOD RISK
180 minute summer	S11	180	121.115	0.804	8.2	0.1278	0.0000	FLOOD RISK
180 minute summer	S12	180	121.115	0.589	3.8	0.4115	0.0000	FLOOD RISK
180 minute summer	S14	180	121.115	0.803	1.1	0.2001	0.0000	FLOOD RISK
180 minute summer	S15	180	121.114	0.805	3.2	0.2279	0.0000	SURCHARGED
180 minute summer	S16	180	121.114	0.834	6.0	1.2011	0.0000	SURCHARGED
180 minute summer	ACO	180	121.114	0.614	0.8	0.0479	0.0000	SURCHARGED
180 minute summer	S17	180	120.241	0.051	3.6	0.0000	0.0000	OK
180 minute summer	Tank02	180	121.115	0.615	9.7	19.3418	0.0000	FLOOD RISK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute summer	S01	1.000	S02	3.3	0.492	0.224	0.2661	
180 minute summer	S02	1.001	S03	6.6	0.788	0.444	0.1740	
180 minute summer	S03	1.002	S04	7.1	0.470	0.192	0.3126	
180 minute summer	S04	1.003	S05	10.6	0.592	0.294	0.2059	
180 minute summer	S05	1.004	S06	12.8	0.443	0.351	0.5611	
180 minute summer	S06	1.005	Tank01	18.6	1.300	0.387	0.0696	
180 minute summer	Tank01	1.006	S15	3.2	-0.294	0.201	0.0398	
180 minute summer	S07	2.000a	Tank02	1.8	0.661	0.332	0.0176	
180 minute summer	S08	2.001	S09	-6.2	0.672	-0.410	0.1901	
180 minute summer	S09	2.002	S10	-6.5	-0.368	-0.437	0.2264	
180 minute summer	S10	2.003	S11	8.2	0.464	0.534	0.0448	
180 minute summer	S11	2.004	Tank01	8.0	0.729	1.468	0.0176	
180 minute summer	S12	3.000	Tank01	3.7	0.986	0.131	0.0176	
180 minute summer	S14	4.000	Tank01	0.9	0.378	0.170	0.0176	
180 minute summer	S15	1.007	S16	3.3	0.084	0.075	0.1569	
180 minute summer	S16	1.008	S17	3.6	0.670	0.247	0.0716	71.4
180 minute summer	ACO	5.000	S16	0.7	0.312	0.102	0.0840	
180 minute summer	Tank02	2.000b	S08	-9.1	-0.517	-1.662	0.0176	

Results for 100 year +45% CC 180 minute winter. 420 minute analysis at 4 minute timestep. Mass balance: 99.45%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute winter	S01	176	121.114	0.404	2.2	0.2625	0.0000	FLOOD RISK
180 minute winter	S02	176	121.114	0.509	4.4	0.2863	0.0000	FLOOD RISK
180 minute winter	S03	176	121.114	0.654	5.0	0.2381	0.0000	FLOOD RISK
180 minute winter	S04	176	121.114	0.694	7.4	0.4457	0.0000	FLOOD RISK
180 minute winter	S05	176	121.114	0.719	8.9	0.3639	0.0000	FLOOD RISK
180 minute winter	S06	176	121.114	0.789	12.8	0.6202	0.0000	FLOOD RISK
180 minute winter	Tank01	176	121.114	0.804	21.5	68.6757	0.0000	FLOOD RISK
180 minute winter	S07	176	121.115	0.614	1.3	0.2204	0.0000	FLOOD RISK
180 minute winter	S08	176	121.115	0.616	8.5	0.5549	0.0000	FLOOD RISK
180 minute winter	S09	176	121.115	0.695	6.1	0.1104	0.0000	FLOOD RISK
180 minute winter	S10	176	121.114	0.784	6.6	0.3412	0.0000	FLOOD RISK
180 minute winter	S11	176	121.114	0.803	6.5	0.1277	0.0000	FLOOD RISK
180 minute winter	S12	176	121.114	0.589	2.6	0.4112	0.0000	FLOOD RISK
180 minute winter	S14	176	121.114	0.803	0.7	0.2000	0.0000	FLOOD RISK
180 minute winter	S15	176	121.114	0.805	3.7	0.2278	0.0000	SURCHARGED
180 minute winter	S16	176	121.114	0.834	5.8	1.2005	0.0000	SURCHARGED
180 minute winter	ACO	176	121.114	0.614	1.6	0.0479	0.0000	SURCHARGED
180 minute winter	S17	176	120.241	0.051	3.6	0.0000	0.0000	OK
180 minute winter	Tank02	176	121.115	0.615	8.7	19.3312	0.0000	FLOOD RISK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute winter	S01	1.000	S02	2.2	0.457	0.149	0.2661	
180 minute winter	S02	1.001	S03	4.4	0.715	0.297	0.1740	
180 minute winter	S03	1.002	S04	4.8	0.453	0.131	0.3126	
180 minute winter	S04	1.003	S05	7.2	0.560	0.200	0.2059	
180 minute winter	S05	1.004	S06	8.7	0.457	0.239	0.5611	
180 minute winter	S06	1.005	Tank01	12.7	1.328	0.264	0.0696	
180 minute winter	Tank01	1.006	S15	3.7	-0.308	0.232	0.0398	
180 minute winter	S07	2.000a	Tank02	1.3	0.634	0.233	0.0176	
180 minute winter	S08	2.001	S09	-5.8	0.671	-0.384	0.1901	
180 minute winter	S09	2.002	S10	-6.1	-0.345	-0.410	0.2264	
180 minute winter	S10	2.003	S11	6.5	0.414	0.426	0.0448	
180 minute winter	S11	2.004	Tank01	6.4	0.742	1.171	0.0176	
180 minute winter	S12	3.000	Tank01	3.2	0.904	0.115	0.0176	
180 minute winter	S14	4.000	Tank01	0.6	0.436	0.111	0.0176	
180 minute winter	S15	1.007	S16	3.4	0.086	0.077	0.1569	
180 minute winter	S16	1.008	S17	3.6	0.670	0.247	0.0716	71.7
180 minute winter	ACO	5.000	S16	-1.2	0.375	-0.174	0.0840	
180 minute winter	Tank02	2.000b	S08	-8.2	-0.468	-1.504	0.0176	

Results for 100 year +45% CC 240 minute summer. 480 minute analysis at 4 minute timestep. Mass balance: 99.48%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute summer	S01	228	121.122	0.412	2.7	0.2671	0.0000	FLOOD RISK
240 minute summer	S02	228	121.122	0.517	5.4	0.2903	0.0000	FLOOD RISK
240 minute summer	S03	228	121.121	0.661	6.1	0.2407	0.0000	FLOOD RISK
240 minute summer	S04	228	121.121	0.701	8.9	0.4503	0.0000	FLOOD RISK
240 minute summer	S05	228	121.121	0.726	10.8	0.3675	0.0000	FLOOD RISK
240 minute summer	S06	228	121.121	0.796	15.6	0.6258	0.0000	FLOOD RISK
240 minute summer	Tank01	228	121.121	0.811	24.5	68.6757	0.0000	FLOOD RISK
240 minute summer	S07	228	121.122	0.621	1.6	0.2229	0.0000	FLOOD RISK
240 minute summer	S08	228	121.122	0.623	8.7	0.5612	0.0000	FLOOD RISK
240 minute summer	S09	228	121.122	0.702	6.0	0.1116	0.0000	FLOOD RISK
240 minute summer	S10	228	121.121	0.791	6.8	0.3443	0.0000	FLOOD RISK
240 minute summer	S11	228	121.121	0.810	6.7	0.1288	0.0000	FLOOD RISK
240 minute summer	S12	228	121.121	0.596	3.2	0.4161	0.0000	FLOOD RISK
240 minute summer	S14	228	121.121	0.810	0.9	0.2017	0.0000	FLOOD RISK
240 minute summer	S15	228	121.121	0.812	3.2	0.2298	0.0000	SURCHARGED
240 minute summer	S16	228	121.121	0.841	5.2	1.2107	0.0000	SURCHARGED
240 minute summer	ACO	228	121.121	0.621	0.7	0.0484	0.0000	SURCHARGED
240 minute summer	S17	228	120.241	0.051	3.6	0.0000	0.0000	OK
240 minute summer	Tank02	228	121.122	0.622	8.9	19.5419	0.0000	FLOOD RISK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute summer	S01	1.000	S02	2.7	0.484	0.183	0.2661	
240 minute summer	S02	1.001	S03	5.4	0.743	0.359	0.1740	
240 minute summer	S03	1.002	S04	5.7	0.442	0.154	0.3126	
240 minute summer	S04	1.003	S05	8.7	0.551	0.241	0.2059	
240 minute summer	S05	1.004	S06	10.6	0.413	0.291	0.5611	
240 minute summer	S06	1.005	Tank01	15.5	1.219	0.322	0.0696	
240 minute summer	Tank01	1.006	S15	3.2	-0.247	0.202	0.0398	
240 minute summer	S07	2.000a	Tank02	1.5	0.511	0.272	0.0176	
240 minute summer	S08	2.001	S09	-5.7	0.636	-0.378	0.1901	
240 minute summer	S09	2.002	S10	-6.0	-0.340	-0.404	0.2264	
240 minute summer	S10	2.003	S11	6.7	0.382	0.439	0.0448	
240 minute summer	S11	2.004	Tank01	6.6	0.722	1.207	0.0176	
240 minute summer	S12	3.000	Tank01	3.6	0.933	0.128	0.0176	
240 minute summer	S14	4.000	Tank01	0.8	0.398	0.139	0.0176	
240 minute summer	S15	1.007	S16	3.3	0.084	0.075	0.1569	
240 minute summer	S16	1.008	S17	3.6	0.671	0.248	0.0718	80.9
240 minute summer	ACO	5.000	S16	0.6	0.312	0.082	0.0840	
240 minute summer	Tank02	2.000b	S08	-8.4	-0.478	-1.537	0.0176	

Results for 100 year +45% CC 240 minute winter. 480 minute analysis at 4 minute timestep. Mass balance: 99.49%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute winter	S01	228	121.123	0.413	1.8	0.2683	0.0000	FLOOD RISK
240 minute winter	S02	228	121.123	0.518	3.6	0.2913	0.0000	FLOOD RISK
240 minute winter	S03	228	121.123	0.663	4.1	0.2414	0.0000	FLOOD RISK
240 minute winter	S04	228	121.123	0.703	6.0	0.4514	0.0000	FLOOD RISK
240 minute winter	S05	228	121.123	0.728	7.3	0.3684	0.0000	FLOOD RISK
240 minute winter	S06	228	121.123	0.798	10.4	0.6273	0.0000	FLOOD RISK
240 minute winter	Tank01	228	121.123	0.813	16.7	68.6757	0.0000	FLOOD RISK
240 minute winter	S07	228	121.124	0.623	1.1	0.2236	0.0000	FLOOD RISK
240 minute winter	S08	228	121.124	0.625	7.4	0.5629	0.0000	FLOOD RISK
240 minute winter	S09	228	121.124	0.703	5.2	0.1119	0.0000	FLOOD RISK
240 minute winter	S10	228	121.123	0.793	5.5	0.3451	0.0000	FLOOD RISK
240 minute winter	S11	228	121.123	0.812	5.4	0.1291	0.0000	FLOOD RISK
240 minute winter	S12	228	121.123	0.598	4.1	0.4174	0.0000	FLOOD RISK
240 minute winter	S14	228	121.123	0.812	0.6	0.2022	0.0000	FLOOD RISK
240 minute winter	S15	228	121.123	0.814	3.3	0.2303	0.0000	SURCHARGED
240 minute winter	S16	228	121.123	0.843	3.6	1.2134	0.0000	SURCHARGED
240 minute winter	ACO	228	121.123	0.623	0.7	0.0486	0.0000	SURCHARGED
240 minute winter	S17	228	120.241	0.051	3.6	0.0000	0.0000	OK
240 minute winter	Tank02	228	121.124	0.624	7.6	19.5981	0.0000	FLOOD RISK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute winter	S01	1.000	S02	1.8	0.437	0.122	0.2661	
240 minute winter	S02	1.001	S03	3.6	0.678	0.242	0.1740	
240 minute winter	S03	1.002	S04	3.9	0.430	0.106	0.3126	
240 minute winter	S04	1.003	S05	5.9	0.535	0.163	0.2059	
240 minute winter	S05	1.004	S06	7.1	0.419	0.196	0.5611	
240 minute winter	S06	1.005	Tank01	10.3	1.193	0.215	0.0696	
240 minute winter	Tank01	1.006	S15	3.3	-0.224	0.202	0.0398	
240 minute winter	S07	2.000a	Tank02	1.0	0.529	0.185	0.0176	
240 minute winter	S08	2.001	S09	-5.0	0.629	-0.328	0.1901	
240 minute winter	S09	2.002	S10	-5.2	0.335	-0.353	0.2264	
240 minute winter	S10	2.003	S11	5.4	0.386	0.354	0.0448	
240 minute winter	S11	2.004	Tank01	5.3	0.742	0.973	0.0176	
240 minute winter	S12	3.000	Tank01	3.4	0.858	0.120	0.0176	
240 minute winter	S14	4.000	Tank01	0.6	0.374	0.105	0.0176	
240 minute winter	S15	1.007	S16	3.3	0.084	0.075	0.1569	
240 minute winter	S16	1.008	S17	3.6	0.671	0.248	0.0719	81.1
240 minute winter	ACO	5.000	S16	0.4	0.312	0.060	0.0840	
240 minute winter	Tank02	2.000b	S08	-7.1	-0.406	-1.305	0.0176	

Results for 100 year +45% CC 360 minute summer. 600 minute analysis at 8 minute timestep. Mass balance: 99.58%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute summer	S01	288	121.119	0.408	2.1	0.2651	0.0000	FLOOD RISK
360 minute summer	S02	288	121.118	0.513	4.2	0.2886	0.0000	FLOOD RISK
360 minute summer	S03	288	121.118	0.658	4.7	0.2396	0.0000	FLOOD RISK
360 minute summer	S04	288	121.118	0.698	6.9	0.4483	0.0000	FLOOD RISK
360 minute summer	S05	288	121.118	0.723	8.3	0.3660	0.0000	FLOOD RISK
360 minute summer	S06	288	121.118	0.793	12.0	0.6234	0.0000	FLOOD RISK
360 minute summer	Tank01	288	121.118	0.808	16.5	68.6757	0.0000	FLOOD RISK
360 minute summer	S07	288	121.119	0.618	1.2	0.2218	0.0000	FLOOD RISK
360 minute summer	S08	288	121.119	0.620	6.3	0.5584	0.0000	FLOOD RISK
360 minute summer	S09	288	121.119	0.699	4.4	0.1111	0.0000	FLOOD RISK
360 minute summer	S10	288	121.118	0.788	5.3	0.3429	0.0000	FLOOD RISK
360 minute summer	S11	288	121.118	0.807	5.2	0.1283	0.0000	FLOOD RISK
360 minute summer	S12	288	121.118	0.593	2.4	0.4140	0.0000	FLOOD RISK
360 minute summer	S14	288	121.118	0.807	0.7	0.2010	0.0000	FLOOD RISK
360 minute summer	S15	288	121.118	0.809	3.2	0.2289	0.0000	SURCHARGED
360 minute summer	S16	288	121.118	0.838	4.0	1.2062	0.0000	SURCHARGED
360 minute summer	ACO	288	121.118	0.618	0.5	0.0482	0.0000	SURCHARGED
360 minute summer	S17	288	120.241	0.051	3.6	0.0000	0.0000	OK
360 minute summer	Tank02	288	121.119	0.619	6.5	19.4477	0.0000	FLOOD RISK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute summer	S01	1.000	S02	2.1	0.442	0.142	0.2661	
360 minute summer	S02	1.001	S03	4.2	0.677	0.282	0.1740	
360 minute summer	S03	1.002	S04	4.5	0.409	0.122	0.3126	
360 minute summer	S04	1.003	S05	6.7	0.479	0.186	0.2059	
360 minute summer	S05	1.004	S06	8.2	0.368	0.225	0.5611	
360 minute summer	S06	1.005	Tank01	11.9	1.074	0.248	0.0696	
360 minute summer	Tank01	1.006	S15	3.2	0.109	0.200	0.0398	
360 minute summer	S07	2.000a	Tank02	1.1	0.461	0.200	0.0176	
360 minute summer	S08	2.001	S09	-4.2	0.584	-0.276	0.1901	
360 minute summer	S09	2.002	S10	-4.4	0.307	-0.295	0.2264	
360 minute summer	S10	2.003	S11	5.2	0.352	0.342	0.0448	
360 minute summer	S11	2.004	Tank01	5.1	0.553	0.940	0.0176	
360 minute summer	S12	3.000	Tank01	2.4	0.832	0.086	0.0176	
360 minute summer	S14	4.000	Tank01	0.6	0.352	0.113	0.0176	
360 minute summer	S15	1.007	S16	3.2	0.082	0.073	0.1569	
360 minute summer	S16	1.008	S17	3.6	0.671	0.248	0.0717	98.5
360 minute summer	ACO	5.000	S16	0.4	0.312	0.060	0.0840	
360 minute summer	Tank02	2.000b	S08	-6.1	-0.414	-1.109	0.0176	

Results for 100 year +45% CC 360 minute winter. 600 minute analysis at 8 minute timestep. Mass balance: 99.59%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute winter	S01	288	121.091	0.381	1.3	0.2472	0.0000	FLOOD RISK
360 minute winter	S02	288	121.091	0.486	2.6	0.2730	0.0000	FLOOD RISK
360 minute winter	S03	288	121.091	0.631	2.9	0.2296	0.0000	FLOOD RISK
360 minute winter	S04	288	121.091	0.671	4.4	0.4305	0.0000	FLOOD RISK
360 minute winter	S05	288	121.091	0.696	5.3	0.3520	0.0000	FLOOD RISK
360 minute winter	S06	288	121.091	0.765	7.7	0.6017	0.0000	FLOOD RISK
360 minute winter	Tank01	288	121.090	0.780	13.1	68.6757	0.0000	FLOOD RISK
360 minute winter	S07	288	121.091	0.590	0.8	0.2119	0.0000	FLOOD RISK
360 minute winter	S08	288	121.091	0.592	5.7	0.5335	0.0000	FLOOD RISK
360 minute winter	S09	288	121.091	0.671	4.0	0.1067	0.0000	FLOOD RISK
360 minute winter	S10	288	121.091	0.761	4.2	0.3309	0.0000	FLOOD RISK
360 minute winter	S11	288	121.091	0.780	4.2	0.1239	0.0000	FLOOD RISK
360 minute winter	S12	288	121.090	0.565	1.6	0.3947	0.0000	FLOOD RISK
360 minute winter	S14	288	121.090	0.779	0.4	0.1941	0.0000	FLOOD RISK
360 minute winter	S15	288	121.090	0.781	3.2	0.2211	0.0000	SURCHARGED
360 minute winter	S16	288	121.090	0.810	3.5	1.1665	0.0000	SURCHARGED
360 minute winter	ACO	288	121.090	0.590	0.3	0.0460	0.0000	SURCHARGED
360 minute winter	S17	288	120.240	0.050	3.5	0.0000	0.0000	OK
360 minute winter	Tank02	288	121.091	0.591	5.8	18.6207	0.0000	FLOOD RISK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute winter	S01	1.000	S02	1.3	0.399	0.088	0.2661	
360 minute winter	S02	1.001	S03	2.6	0.622	0.175	0.1740	
360 minute winter	S03	1.002	S04	2.8	0.392	0.076	0.3126	
360 minute winter	S04	1.003	S05	4.3	0.479	0.119	0.2059	
360 minute winter	S05	1.004	S06	5.2	0.392	0.143	0.5611	
360 minute winter	S06	1.005	Tank01	7.7	1.003	0.159	0.0696	
360 minute winter	Tank01	1.006	S15	3.2	0.101	0.201	0.0398	
360 minute winter	S07	2.000a	Tank02	0.7	0.491	0.136	0.0176	
360 minute winter	S08	2.001	S09	-3.7	0.593	-0.245	0.1901	
360 minute winter	S09	2.002	S10	-4.0	0.307	-0.267	0.2264	
360 minute winter	S10	2.003	S11	4.2	0.349	0.273	0.0448	
360 minute winter	S11	2.004	Tank01	4.1	0.747	0.750	0.0176	
360 minute winter	S12	3.000	Tank01	4.0	0.774	0.143	0.0176	
360 minute winter	S14	4.000	Tank01	0.3	0.261	0.064	0.0176	
360 minute winter	S15	1.007	S16	3.2	0.082	0.073	0.1569	
360 minute winter	S16	1.008	S17	3.5	0.668	0.244	0.0709	98.9
360 minute winter	ACO	5.000	S16	0.3	0.312	0.044	0.0840	
360 minute winter	Tank02	2.000b	S08	-5.5	-0.327	-1.005	0.0176	

Results for 100 year +45% CC 480 minute summer. 720 minute analysis at 8 minute timestep. Mass balance: 99.68%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute summer	S01	344	121.068	0.358	1.6	0.2323	0.0000	FLOOD RISK
480 minute summer	S02	344	121.068	0.463	3.2	0.2602	0.0000	FLOOD RISK
480 minute summer	S03	344	121.068	0.608	3.6	0.2212	0.0000	FLOOD RISK
480 minute summer	S04	344	121.068	0.648	5.4	0.4159	0.0000	FLOOD RISK
480 minute summer	S05	344	121.068	0.673	6.5	0.3404	0.0000	FLOOD RISK
480 minute summer	S06	344	121.068	0.743	9.4	0.5837	0.0000	FLOOD RISK
480 minute summer	Tank01	344	121.068	0.758	15.7	68.6757	0.0000	FLOOD RISK
480 minute summer	S07	344	121.068	0.567	0.9	0.2036	0.0000	FLOOD RISK
480 minute summer	S08	344	121.068	0.569	5.6	0.5129	0.0000	FLOOD RISK
480 minute summer	S09	344	121.068	0.648	3.8	0.1030	0.0000	FLOOD RISK
480 minute summer	S10	344	121.068	0.738	4.3	0.3210	0.0000	FLOOD RISK
480 minute summer	S11	344	121.068	0.757	4.2	0.1203	0.0000	FLOOD RISK
480 minute summer	S12	344	121.068	0.543	1.9	0.3787	0.0000	FLOOD RISK
480 minute summer	S14	344	121.068	0.757	0.5	0.1884	0.0000	FLOOD RISK
480 minute summer	S15	344	121.068	0.758	3.2	0.2147	0.0000	SURCHARGED
480 minute summer	S16	344	121.067	0.787	3.5	1.1336	0.0000	SURCHARGED
480 minute summer	ACO	344	121.067	0.567	0.4	0.0442	0.0000	SURCHARGED
480 minute summer	S17	344	120.240	0.050	3.5	0.0000	0.0000	OK
480 minute summer	Tank02	344	121.068	0.568	5.7	17.9338	0.0000	FLOOD RISK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute summer	S01	1.000	S02	1.6	0.423	0.108	0.2661	
480 minute summer	S02	1.001	S03	3.2	0.657	0.215	0.1740	
480 minute summer	S03	1.002	S04	3.5	0.395	0.094	0.3126	
480 minute summer	S04	1.003	S05	5.3	0.475	0.146	0.2059	
480 minute summer	S05	1.004	S06	6.4	0.349	0.175	0.5611	
480 minute summer	S06	1.005	Tank01	9.3	1.024	0.193	0.0696	
480 minute summer	Tank01	1.006	S15	3.2	0.163	0.201	0.0398	
480 minute summer	S07	2.000a	Tank02	0.8	0.475	0.151	0.0176	
480 minute summer	S08	2.001	S09	-3.7	0.554	-0.242	0.1901	
480 minute summer	S09	2.002	S10	-3.8	0.303	-0.256	0.2264	
480 minute summer	S10	2.003	S11	4.2	0.334	0.274	0.0448	
480 minute summer	S11	2.004	Tank01	4.1	0.725	0.755	0.0176	
480 minute summer	S12	3.000	Tank01	4.9	0.790	0.172	0.0176	
480 minute summer	S14	4.000	Tank01	0.5	0.113	0.086	0.0176	
480 minute summer	S15	1.007	S16	3.3	0.086	0.073	0.1569	
480 minute summer	S16	1.008	S17	3.5	0.665	0.240	0.0702	114.7
480 minute summer	ACO	5.000	S16	0.3	0.312	0.050	0.0840	
480 minute summer	Tank02	2.000b	S08	-5.4	-0.393	-0.983	0.0176	

Results for 100 year +45% CC 480 minute winter. 720 minute analysis at 8 minute timestep. Mass balance: 99.69%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute winter	S01	368	121.053	0.342	1.1	0.2223	0.0000	FLOOD RISK
480 minute winter	S02	368	121.052	0.447	2.2	0.2514	0.0000	FLOOD RISK
480 minute winter	S03	368	121.052	0.592	2.5	0.2156	0.0000	FLOOD RISK
480 minute winter	S04	368	121.052	0.632	3.7	0.4059	0.0000	FLOOD RISK
480 minute winter	S05	368	121.052	0.657	4.4	0.3325	0.0000	FLOOD RISK
480 minute winter	S06	368	121.052	0.727	6.4	0.5715	0.0000	FLOOD RISK
480 minute winter	Tank01	368	121.052	0.742	11.3	68.6757	0.0000	FLOOD RISK
480 minute winter	S07	368	121.053	0.552	0.6	0.1980	0.0000	FLOOD RISK
480 minute winter	S08	368	121.053	0.554	4.4	0.4988	0.0000	FLOOD RISK
480 minute winter	S09	368	121.052	0.632	2.9	0.1006	0.0000	FLOOD RISK
480 minute winter	S10	368	121.052	0.722	3.4	0.3142	0.0000	FLOOD RISK
480 minute winter	S11	368	121.052	0.741	3.4	0.1178	0.0000	FLOOD RISK
480 minute winter	S12	368	121.052	0.527	1.3	0.3679	0.0000	FLOOD RISK
480 minute winter	S14	368	121.052	0.741	0.4	0.1845	0.0000	FLOOD RISK
480 minute winter	S15	368	121.052	0.743	3.2	0.2103	0.0000	SURCHARGED
480 minute winter	S16	368	121.052	0.772	3.5	1.1112	0.0000	SURCHARGED
480 minute winter	ACO	368	121.052	0.552	0.3	0.0430	0.0000	SURCHARGED
480 minute winter	S17	368	120.240	0.050	3.5	0.0000	0.0000	OK
480 minute winter	Tank02	368	121.053	0.553	4.5	17.4628	0.0000	FLOOD RISK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute winter	S01	1.000	S02	1.1	0.380	0.075	0.2661	
480 minute winter	S02	1.001	S03	2.2	0.579	0.147	0.1740	
480 minute winter	S03	1.002	S04	2.4	0.378	0.065	0.3126	
480 minute winter	S04	1.003	S05	3.6	0.450	0.101	0.2059	
480 minute winter	S05	1.004	S06	4.4	0.351	0.120	0.5611	
480 minute winter	S06	1.005	Tank01	6.3	0.885	0.131	0.0696	
480 minute winter	Tank01	1.006	S15	3.2	0.130	0.201	0.0398	
480 minute winter	S07	2.000a	Tank02	0.6	0.498	0.109	0.0176	
480 minute winter	S08	2.001	S09	-2.8	0.566	-0.182	0.1901	
480 minute winter	S09	2.002	S10	-2.9	0.306	-0.192	0.2264	
480 minute winter	S10	2.003	S11	3.4	0.342	0.222	0.0448	
480 minute winter	S11	2.004	Tank01	3.3	0.717	0.611	0.0176	
480 minute winter	S12	3.000	Tank01	3.5	0.738	0.126	0.0176	
480 minute winter	S14	4.000	Tank01	0.3	0.221	0.063	0.0176	
480 minute winter	S15	1.007	S16	3.3	0.083	0.073	0.1569	
480 minute winter	S16	1.008	S17	3.5	0.664	0.238	0.0697	115.4
480 minute winter	ACO	5.000	S16	0.3	0.312	0.038	0.0840	
480 minute winter	Tank02	2.000b	S08	-4.2	-0.303	-0.769	0.0176	

Results for 100 year +45% CC 600 minute summer. 840 minute analysis at 15 minute timestep. Mass balance: 99.76%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute summer	S01	420	121.046	0.336	1.3	0.2179	0.0000	FLOOD RISK
600 minute summer	S02	420	121.046	0.441	2.6	0.2477	0.0000	FLOOD RISK
600 minute summer	S03	420	121.046	0.586	2.9	0.2131	0.0000	FLOOD RISK
600 minute summer	S04	420	121.046	0.626	4.3	0.4016	0.0000	FLOOD RISK
600 minute summer	S05	420	121.046	0.651	5.2	0.3292	0.0000	FLOOD RISK
600 minute summer	S06	420	121.045	0.720	7.5	0.5662	0.0000	FLOOD RISK
600 minute summer	Tank01	420	121.045	0.735	12.8	68.6757	0.0000	FLOOD RISK
600 minute summer	S07	420	121.046	0.545	0.8	0.1957	0.0000	FLOOD RISK
600 minute summer	S08	420	121.046	0.547	3.6	0.4928	0.0000	FLOOD RISK
600 minute summer	S09	420	121.046	0.626	2.7	0.0995	0.0000	FLOOD RISK
600 minute summer	S10	420	121.046	0.716	3.8	0.3113	0.0000	FLOOD RISK
600 minute summer	S11	420	121.045	0.734	3.7	0.1168	0.0000	FLOOD RISK
600 minute summer	S12	420	121.045	0.520	1.6	0.3632	0.0000	FLOOD RISK
600 minute summer	S14	420	121.045	0.734	0.4	0.1829	0.0000	FLOOD RISK
600 minute summer	S15	420	121.045	0.736	3.3	0.2084	0.0000	SURCHARGED
600 minute summer	S16	420	121.045	0.765	5.0	1.1016	0.0000	SURCHARGED
600 minute summer	ACO	420	121.045	0.545	0.9	0.0425	0.0000	SURCHARGED
600 minute summer	S17	420	120.240	0.050	3.4	0.0000	0.0000	OK
600 minute summer	Tank02	420	121.046	0.546	3.8	17.2658	0.0000	FLOOD RISK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute summer	S01	1.000	S02	1.3	0.399	0.088	0.2661	
600 minute summer	S02	1.001	S03	2.6	0.622	0.174	0.1740	
600 minute summer	S03	1.002	S04	2.8	0.378	0.076	0.3126	
600 minute summer	S04	1.003	S05	4.2	0.427	0.117	0.2059	
600 minute summer	S05	1.004	S06	5.1	0.327	0.141	0.5611	
600 minute summer	S06	1.005	Tank01	7.5	0.818	0.155	0.0696	
600 minute summer	Tank01	1.006	S15	3.3	0.170	0.202	0.0398	
600 minute summer	S07	2.000a	Tank02	0.7	0.404	0.136	0.0176	
600 minute summer	S08	2.001	S09	2.7	0.539	0.181	0.1901	
600 minute summer	S09	2.002	S10	2.7	0.304	0.182	0.2264	
600 minute summer	S10	2.003	S11	3.7	0.325	0.244	0.0448	
600 minute summer	S11	2.004	Tank01	3.7	0.628	0.672	0.0176	
600 minute summer	S12	3.000	Tank01	3.7	0.757	0.130	0.0176	
600 minute summer	S14	4.000	Tank01	0.4	0.036	0.065	0.0176	
600 minute summer	S15	1.007	S16	3.6	0.091	0.081	0.1569	
600 minute summer	S16	1.008	S17	3.4	0.663	0.237	0.0695	129.4
600 minute summer	ACO	5.000	S16	-0.7	0.312	-0.104	0.0840	
600 minute summer	Tank02	2.000b	S08	-3.5	-0.346	-0.637	0.0176	

Results for 100 year +45% CC 600 minute winter. 840 minute analysis at 15 minute timestep. Mass balance: 99.77%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute winter	S01	450	120.982	0.272	0.9	0.1764	0.0000	FLOOD RISK
600 minute winter	S02	450	120.982	0.377	1.8	0.2118	0.0000	FLOOD RISK
600 minute winter	S03	450	120.982	0.522	2.0	0.1899	0.0000	FLOOD RISK
600 minute winter	S04	450	120.982	0.562	3.1	0.3606	0.0000	FLOOD RISK
600 minute winter	S05	450	120.982	0.587	3.7	0.2969	0.0000	FLOOD RISK
600 minute winter	S06	450	120.982	0.657	5.3	0.5161	0.0000	FLOOD RISK
600 minute winter	Tank01	450	120.982	0.672	8.8	68.6757	0.0000	FLOOD RISK
600 minute winter	S07	450	120.982	0.481	0.5	0.1728	0.0000	FLOOD RISK
600 minute winter	S08	450	120.982	0.483	3.5	0.4354	0.0000	FLOOD RISK
600 minute winter	S09	450	120.982	0.562	2.4	0.0894	0.0000	FLOOD RISK
600 minute winter	S10	450	120.982	0.652	2.8	0.2835	0.0000	FLOOD RISK
600 minute winter	S11	450	120.982	0.671	2.8	0.1066	0.0000	FLOOD RISK
600 minute winter	S12	450	120.982	0.457	2.9	0.3187	0.0000	FLOOD RISK
600 minute winter	S14	450	120.982	0.671	0.3	0.1670	0.0000	FLOOD RISK
600 minute winter	S15	450	120.982	0.673	3.2	0.1903	0.0000	SURCHARGED
600 minute winter	S16	450	120.981	0.701	3.4	1.0098	0.0000	SURCHARGED
600 minute winter	ACO	450	120.981	0.481	0.3	0.0375	0.0000	SURCHARGED
600 minute winter	S17	825	120.238	0.048	3.3	0.0000	0.0000	OK
600 minute winter	Tank02	450	120.982	0.482	3.7	15.3541	0.0000	FLOOD RISK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute winter	S01	1.000	S02	0.9	0.358	0.061	0.2661	
600 minute winter	S02	1.001	S03	1.8	0.563	0.121	0.1740	
600 minute winter	S03	1.002	S04	2.0	0.369	0.053	0.3126	
600 minute winter	S04	1.003	S05	3.0	0.421	0.083	0.2059	
600 minute winter	S05	1.004	S06	3.6	0.345	0.099	0.5611	
600 minute winter	S06	1.005	Tank01	5.3	0.902	0.110	0.0696	
600 minute winter	Tank01	1.006	S15	3.2	0.132	0.201	0.0398	
600 minute winter	S07	2.000a	Tank02	0.5	0.474	0.091	0.0176	
600 minute winter	S08	2.001	S09	-2.2	0.538	-0.147	0.1901	
600 minute winter	S09	2.002	S10	-2.4	0.296	-0.159	0.2264	
600 minute winter	S10	2.003	S11	2.8	0.328	0.184	0.0448	
600 minute winter	S11	2.004	Tank01	2.8	0.649	0.506	0.0176	
600 minute winter	S12	3.000	Tank01	2.1	0.698	0.076	0.0176	
600 minute winter	S14	4.000	Tank01	0.3	0.101	0.055	0.0176	
600 minute winter	S15	1.007	S16	3.3	0.091	0.073	0.1569	
600 minute winter	S16	1.008	S17	3.3	0.655	0.227	0.0674	130.7
600 minute winter	ACO	5.000	S16	0.2	0.312	0.029	0.0840	
600 minute winter	Tank02	2.000b	S08	-3.4	0.321	-0.623	0.0176	

Results for 100 year +45% CC 720 minute summer. 960 minute analysis at 15 minute timestep. Mass balance: 99.85%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute summer	S01	495	120.973	0.263	1.2	0.1708	0.0000	FLOOD RISK
720 minute summer	S02	495	120.973	0.368	2.4	0.2069	0.0000	FLOOD RISK
720 minute summer	S03	495	120.973	0.513	2.7	0.1867	0.0000	FLOOD RISK
720 minute summer	S04	495	120.973	0.553	4.0	0.3550	0.0000	FLOOD RISK
720 minute summer	S05	495	120.973	0.578	4.8	0.2925	0.0000	FLOOD RISK
720 minute summer	S06	495	120.973	0.648	6.9	0.5093	0.0000	FLOOD RISK
720 minute summer	Tank01	495	120.973	0.663	10.1	68.6757	0.0000	FLOOD RISK
720 minute summer	S07	495	120.974	0.473	0.7	0.1697	0.0000	FLOOD RISK
720 minute summer	S08	495	120.974	0.475	4.1	0.4277	0.0000	FLOOD RISK
720 minute summer	S09	495	120.973	0.553	2.7	0.0880	0.0000	FLOOD RISK
720 minute summer	S10	495	120.973	0.643	3.3	0.2798	0.0000	FLOOD RISK
720 minute summer	S11	495	120.973	0.662	3.3	0.1053	0.0000	FLOOD RISK
720 minute summer	S12	495	120.973	0.448	3.3	0.3126	0.0000	FLOOD RISK
720 minute summer	S14	495	120.973	0.662	0.4	0.1648	0.0000	FLOOD RISK
720 minute summer	S15	495	120.973	0.664	3.2	0.1879	0.0000	SURCHARGED
720 minute summer	S16	495	120.973	0.693	3.4	0.9973	0.0000	SURCHARGED
720 minute summer	ACO	495	120.973	0.473	0.4	0.0369	0.0000	SURCHARGED
720 minute summer	S17	900	120.238	0.048	3.3	0.0000	0.0000	OK
720 minute summer	Tank02	495	120.974	0.474	4.2	15.0959	0.0000	FLOOD RISK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute summer	S01	1.000	S02	1.2	0.390	0.081	0.2661	
720 minute summer	S02	1.001	S03	2.4	0.608	0.161	0.1740	
720 minute summer	S03	1.002	S04	2.6	0.379	0.071	0.3126	
720 minute summer	S04	1.003	S05	3.9	0.421	0.109	0.2059	
720 minute summer	S05	1.004	S06	4.8	0.311	0.131	0.5611	
720 minute summer	S06	1.005	Tank01	6.8	0.834	0.142	0.0696	
720 minute summer	Tank01	1.006	S15	3.2	0.166	0.201	0.0398	
720 minute summer	S07	2.000a	Tank02	0.6	0.426	0.119	0.0176	
720 minute summer	S08	2.001	S09	-2.7	0.545	-0.176	0.1901	
720 minute summer	S09	2.002	S10	-2.7	0.332	-0.182	0.2264	
720 minute summer	S10	2.003	S11	3.3	0.301	0.215	0.0448	
720 minute summer	S11	2.004	Tank01	3.2	0.566	0.591	0.0176	
720 minute summer	S12	3.000	Tank01	-1.9	0.738	-0.067	0.0176	
720 minute summer	S14	4.000	Tank01	0.4	0.023	0.073	0.0176	
720 minute summer	S15	1.007	S16	3.3	0.096	0.073	0.1569	
720 minute summer	S16	1.008	S17	3.3	0.655	0.227	0.0674	143.5
720 minute summer	ACO	5.000	S16	0.3	0.305	0.037	0.0840	
720 minute summer	Tank02	2.000b	S08	-3.9	-0.331	-0.719	0.0176	

Results for 100 year +45% CC 720 minute winter. 960 minute analysis at 15 minute timestep. Mass balance: 99.86%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute winter	S01	525	120.907	0.197	0.8	0.1279	0.0000	FLOOD RISK
720 minute winter	S02	525	120.907	0.302	1.6	0.1698	0.0000	FLOOD RISK
720 minute winter	S03	525	120.907	0.447	1.8	0.1627	0.0000	FLOOD RISK
720 minute winter	S04	525	120.907	0.487	2.7	0.3127	0.0000	FLOOD RISK
720 minute winter	S05	525	120.907	0.512	3.2	0.2591	0.0000	FLOOD RISK
720 minute winter	S06	525	120.907	0.582	4.6	0.4574	0.0000	FLOOD RISK
720 minute winter	Tank01	525	120.907	0.597	7.3	68.6757	0.0000	FLOOD RISK
720 minute winter	S07	525	120.907	0.406	0.5	0.1459	0.0000	FLOOD RISK
720 minute winter	S08	525	120.907	0.408	1.9	0.3680	0.0000	FLOOD RISK
720 minute winter	S09	525	120.907	0.487	1.8	0.0775	0.0000	FLOOD RISK
720 minute winter	S10	525	120.907	0.577	2.5	0.2510	0.0000	FLOOD RISK
720 minute winter	S11	525	120.907	0.596	2.4	0.0948	0.0000	FLOOD RISK
720 minute winter	S12	525	120.907	0.382	2.5	0.2666	0.0000	FLOOD RISK
720 minute winter	S14	525	120.907	0.596	0.3	0.1484	0.0000	FLOOD RISK
720 minute winter	S15	525	120.907	0.598	3.2	0.1692	0.0000	SURCHARGED
720 minute winter	S16	525	120.907	0.627	3.4	0.9024	0.0000	SURCHARGED
720 minute winter	ACO	525	120.907	0.407	0.2	0.0317	0.0000	SURCHARGED
720 minute winter	S17	900	120.238	0.048	3.3	0.0000	0.0000	OK
720 minute winter	Tank02	525	120.907	0.407	2.1	13.1080	0.0000	FLOOD RISK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute winter	S01	1.000	S02	0.8	0.346	0.054	0.2661	
720 minute winter	S02	1.001	S03	1.6	0.545	0.107	0.1740	
720 minute winter	S03	1.002	S04	1.8	0.347	0.048	0.3126	
720 minute winter	S04	1.003	S05	2.6	0.420	0.073	0.2059	
720 minute winter	S05	1.004	S06	3.2	0.302	0.087	0.5611	
720 minute winter	S06	1.005	Tank01	4.5	0.854	0.094	0.0696	
720 minute winter	Tank01	1.006	S15	3.2	0.169	0.201	0.0398	
720 minute winter	S07	2.000a	Tank02	0.5	0.433	0.086	0.0176	
720 minute winter	S08	2.001	S09	1.8	0.516	0.120	0.1901	
720 minute winter	S09	2.002	S10	1.8	0.326	0.119	0.2264	
720 minute winter	S10	2.003	S11	2.4	0.309	0.159	0.0448	
720 minute winter	S11	2.004	Tank01	2.4	0.683	0.439	0.0176	
720 minute winter	S12	3.000	Tank01	-1.6	0.675	-0.058	0.0176	
720 minute winter	S14	4.000	Tank01	0.3	-0.073	0.055	0.0176	
720 minute winter	S15	1.007	S16	3.3	0.096	0.073	0.1569	
720 minute winter	S16	1.008	S17	3.3	0.655	0.227	0.0674	145.4
720 minute winter	ACO	5.000	S16	0.2	0.307	0.029	0.0840	
720 minute winter	Tank02	2.000b	S08	-1.9	0.322	-0.340	0.0176	

Results for 100 year +45% CC 960 minute summer. 1200 minute analysis at 15 minute timestep. Mass balance: 99.94%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute summer	S01	630	120.864	0.154	1.0	0.1001	0.0000	SURCHARGED
960 minute summer	S02	630	120.864	0.259	2.0	0.1457	0.0000	SURCHARGED
960 minute summer	S03	630	120.864	0.404	2.2	0.1471	0.0000	SURCHARGED
960 minute summer	S04	630	120.864	0.444	3.2	0.2852	0.0000	SURCHARGED
960 minute summer	S05	630	120.864	0.469	3.9	0.2374	0.0000	SURCHARGED
960 minute summer	S06	630	120.864	0.539	5.6	0.4238	0.0000	SURCHARGED
960 minute summer	Tank01	630	120.864	0.554	8.6	68.6757	0.0000	SURCHARGED
960 minute summer	S07	630	120.865	0.364	0.6	0.1305	0.0000	SURCHARGED
960 minute summer	S08	630	120.865	0.366	2.1	0.3294	0.0000	SURCHARGED
960 minute summer	S09	630	120.864	0.444	2.1	0.0707	0.0000	SURCHARGED
960 minute summer	S10	630	120.864	0.534	2.9	0.2324	0.0000	SURCHARGED
960 minute summer	S11	630	120.864	0.553	2.8	0.0880	0.0000	SURCHARGED
960 minute summer	S12	630	120.864	0.339	1.2	0.2367	0.0000	SURCHARGED
960 minute summer	S14	630	120.864	0.553	0.3	0.1377	0.0000	SURCHARGED
960 minute summer	S15	630	120.864	0.555	3.2	0.1571	0.0000	SURCHARGED
960 minute summer	S16	630	120.864	0.584	3.5	0.8407	0.0000	SURCHARGED
960 minute summer	ACO	630	120.864	0.364	0.2	0.0284	0.0000	SURCHARGED
960 minute summer	S17	1050	120.238	0.048	3.3	0.0000	0.0000	OK
960 minute summer	Tank02	630	120.865	0.365	2.3	11.8233	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute summer	S01	1.000	S02	1.0	0.369	0.068	0.2661	
960 minute summer	S02	1.001	S03	2.0	0.578	0.134	0.1740	
960 minute summer	S03	1.002	S04	2.1	0.348	0.058	0.3126	
960 minute summer	S04	1.003	S05	3.2	0.413	0.088	0.2059	
960 minute summer	S05	1.004	S06	3.8	0.290	0.104	0.5611	
960 minute summer	S06	1.005	Tank01	5.6	0.845	0.116	0.0696	
960 minute summer	Tank01	1.006	S15	3.2	0.237	0.201	0.0398	
960 minute summer	S07	2.000a	Tank02	0.6	0.384	0.102	0.0176	
960 minute summer	S08	2.001	S09	2.1	0.521	0.140	0.1901	
960 minute summer	S09	2.002	S10	2.1	0.295	0.139	0.2264	
960 minute summer	S10	2.003	S11	2.8	0.302	0.184	0.0448	
960 minute summer	S11	2.004	Tank01	2.8	0.582	0.507	0.0176	
960 minute summer	S12	3.000	Tank01	1.9	0.675	0.068	0.0176	
960 minute summer	S14	4.000	Tank01	0.3	0.016	0.051	0.0176	
960 minute summer	S15	1.007	S16	3.3	0.122	0.073	0.1569	
960 minute summer	S16	1.008	S17	3.3	0.656	0.227	0.0674	172.6
960 minute summer	ACO	5.000	S16	0.2	0.218	0.033	0.0840	
960 minute summer	Tank02	2.000b	S08	-1.7	0.326	-0.316	0.0176	

Results for 100 year +45% CC 960 minute winter. 1200 minute analysis at 15 minute timestep. Mass balance: 99.95%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute winter	S01	450	120.731	0.021	0.6	0.0134	0.0000	OK
960 minute winter	S02	675	120.702	0.097	1.2	0.0546	0.0000	OK
960 minute winter	S03	675	120.702	0.242	1.4	0.0881	0.0000	SURCHARGED
960 minute winter	S04	675	120.702	0.282	2.1	0.1811	0.0000	SURCHARGED
960 minute winter	S05	675	120.702	0.307	2.5	0.1554	0.0000	SURCHARGED
960 minute winter	S06	675	120.702	0.377	3.7	0.2963	0.0000	SURCHARGED
960 minute winter	Tank01	675	120.702	0.392	6.3	67.2175	0.0000	SURCHARGED
960 minute winter	S07	675	120.703	0.201	0.4	0.0723	0.0000	SURCHARGED
960 minute winter	S08	675	120.703	0.203	1.5	0.1833	0.0000	SURCHARGED
960 minute winter	S09	675	120.702	0.282	1.5	0.0449	0.0000	SURCHARGED
960 minute winter	S10	675	120.702	0.372	2.1	0.1619	0.0000	SURCHARGED
960 minute winter	S11	675	120.702	0.391	2.1	0.0622	0.0000	SURCHARGED
960 minute winter	S12	675	120.702	0.177	1.7	0.1235	0.0000	SURCHARGED
960 minute winter	S14	675	120.702	0.391	0.2	0.0974	0.0000	SURCHARGED
960 minute winter	S15	675	120.702	0.393	3.2	0.1112	0.0000	SURCHARGED
960 minute winter	S16	675	120.702	0.422	3.3	0.6073	0.0000	SURCHARGED
960 minute winter	ACO	675	120.702	0.202	0.2	0.0157	0.0000	SURCHARGED
960 minute winter	S17	465	120.238	0.048	3.3	0.0000	0.0000	OK
960 minute winter	Tank02	675	120.703	0.202	1.3	8.5356	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute winter	S01	1.000	S02	0.6	0.318	0.041	0.0964	
960 minute winter	S02	1.001	S03	1.2	0.502	0.081	0.1466	
960 minute winter	S03	1.002	S04	1.4	0.356	0.037	0.3126	
960 minute winter	S04	1.003	S05	2.0	0.403	0.057	0.2059	
960 minute winter	S05	1.004	S06	2.5	0.290	0.068	0.5611	
960 minute winter	S06	1.005	Tank01	3.7	0.765	0.076	0.0696	
960 minute winter	Tank01	1.006	S15	3.2	0.165	0.201	0.0398	
960 minute winter	S07	2.000a	Tank02	0.4	0.426	0.072	0.0176	
960 minute winter	S08	2.001	S09	1.5	0.500	0.102	0.1901	
960 minute winter	S09	2.002	S10	1.5	0.302	0.102	0.2264	
960 minute winter	S10	2.003	S11	2.1	0.299	0.136	0.0448	
960 minute winter	S11	2.004	Tank01	2.1	0.582	0.376	0.0176	
960 minute winter	S12	3.000	Tank01	1.3	0.650	0.047	0.0176	
960 minute winter	S14	4.000	Tank01	0.2	0.018	0.038	0.0176	
960 minute winter	S15	1.007	S16	3.3	0.122	0.073	0.1569	
960 minute winter	S16	1.008	S17	3.3	0.655	0.227	0.0674	175.3
960 minute winter	ACO	5.000	S16	0.2	0.307	0.027	0.0840	
960 minute winter	Tank02	2.000b	S08	-0.9	0.292	-0.160	0.0176	

Results for 100 year +45% CC 1440 minute summer. 1680 minute analysis at 30 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute summer	S01	750	120.732	0.022	0.7	0.0144	0.0000	OK
1440 minute summer	S02	900	120.684	0.079	1.4	0.0444	0.0000	OK
1440 minute summer	S03	900	120.684	0.224	1.6	0.0815	0.0000	OK
1440 minute summer	S04	900	120.684	0.264	2.4	0.1694	0.0000	SURCHARGED
1440 minute summer	S05	900	120.684	0.289	2.8	0.1462	0.0000	SURCHARGED
1440 minute summer	S06	900	120.684	0.359	4.1	0.2820	0.0000	SURCHARGED
1440 minute summer	Tank01	900	120.684	0.374	7.3	64.0907	0.0000	SURCHARGED
1440 minute summer	S07	900	120.684	0.183	0.4	0.0658	0.0000	SURCHARGED
1440 minute summer	S08	900	120.684	0.185	1.5	0.1669	0.0000	SURCHARGED
1440 minute summer	S09	900	120.684	0.264	1.4	0.0420	0.0000	SURCHARGED
1440 minute summer	S10	900	120.684	0.354	2.0	0.1540	0.0000	SURCHARGED
1440 minute summer	S11	900	120.684	0.373	2.0	0.0593	0.0000	SURCHARGED
1440 minute summer	S12	900	120.684	0.159	1.0	0.1108	0.0000	SURCHARGED
1440 minute summer	S14	900	120.684	0.373	0.2	0.0928	0.0000	SURCHARGED
1440 minute summer	S15	900	120.684	0.375	3.2	0.1060	0.0000	SURCHARGED
1440 minute summer	S16	900	120.684	0.403	3.5	0.5810	0.0000	SURCHARGED
1440 minute summer	ACO	900	120.684	0.183	0.2	0.0143	0.0000	SURCHARGED
1440 minute summer	S17	1260	120.238	0.048	3.3	0.0000	0.0000	OK
1440 minute summer	Tank02	900	120.684	0.184	1.4	8.5356	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute summer	S01	1.000	S02	0.7	0.333	0.047	0.0779	
1440 minute summer	S02	1.001	S03	1.4	0.524	0.094	0.1334	
1440 minute summer	S03	1.002	S04	1.6	0.337	0.042	0.3124	
1440 minute summer	S04	1.003	S05	2.3	0.402	0.064	0.2059	
1440 minute summer	S05	1.004	S06	2.8	0.308	0.076	0.5611	
1440 minute summer	S06	1.005	Tank01	4.0	0.595	0.084	0.0696	
1440 minute summer	Tank01	1.006	S15	3.2	0.265	0.198	0.0398	
1440 minute summer	S07	2.000a	Tank02	0.4	0.148	0.071	0.0176	
1440 minute summer	S08	2.001	S09	1.4	0.470	0.094	0.1901	
1440 minute summer	S09	2.002	S10	1.4	0.228	0.094	0.2264	
1440 minute summer	S10	2.003	S11	2.0	0.267	0.129	0.0448	
1440 minute summer	S11	2.004	Tank01	2.0	0.390	0.357	0.0176	
1440 minute summer	S12	3.000	Tank01	2.1	0.650	0.073	0.0176	
1440 minute summer	S14	4.000	Tank01	0.2	-0.055	0.037	0.0176	
1440 minute summer	S15	1.007	S16	3.2	0.122	0.072	0.1569	
1440 minute summer	S16	1.008	S17	3.3	0.656	0.227	0.0674	205.6
1440 minute summer	ACO	5.000	S16	0.2	0.213	0.029	0.0840	
1440 minute summer	Tank02	2.000b	S08	-1.0	0.190	-0.183	0.0176	

Results for 100 year +45% CC 1440 minute winter. 1680 minute analysis at 30 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute winter	S01	750	120.729	0.019	0.5	0.0123	0.0000	OK
1440 minute winter	S02	750	120.632	0.027	1.0	0.0151	0.0000	OK
1440 minute winter	S03	960	120.609	0.149	1.1	0.0544	0.0000	OK
1440 minute winter	S04	960	120.609	0.189	1.6	0.1216	0.0000	OK
1440 minute winter	S05	960	120.609	0.214	1.9	0.1085	0.0000	OK
1440 minute winter	S06	960	120.609	0.284	2.6	0.2235	0.0000	SURCHARGED
1440 minute winter	Tank01	960	120.609	0.299	5.0	51.3231	0.0000	SURCHARGED
1440 minute winter	S07	960	120.610	0.109	0.3	0.0391	0.0000	OK
1440 minute winter	S08	960	120.610	0.111	1.3	0.0998	0.0000	OK
1440 minute winter	S09	960	120.610	0.190	1.3	0.0302	0.0000	SURCHARGED
1440 minute winter	S10	960	120.610	0.279	1.8	0.1216	0.0000	SURCHARGED
1440 minute winter	S11	960	120.609	0.298	1.7	0.0474	0.0000	SURCHARGED
1440 minute winter	S12	960	120.608	0.083	0.8	0.0577	0.0000	OK
1440 minute winter	S14	960	120.609	0.298	0.2	0.0743	0.0000	SURCHARGED
1440 minute winter	S15	960	120.609	0.300	3.2	0.0850	0.0000	SURCHARGED
1440 minute winter	S16	960	120.609	0.329	3.3	0.4737	0.0000	SURCHARGED
1440 minute winter	ACO	960	120.609	0.109	0.1	0.0085	0.0000	SURCHARGED
1440 minute winter	S17	750	120.238	0.048	3.3	0.0000	0.0000	OK
1440 minute winter	Tank02	960	120.610	0.110	0.7	6.2273	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	S01	1.000	S02	0.5	0.296	0.034	0.0258	
1440 minute winter	S02	1.001	S03	1.0	0.476	0.067	0.0491	
1440 minute winter	S03	1.002	S04	1.1	0.338	0.029	0.2502	
1440 minute winter	S04	1.003	S05	1.6	0.380	0.043	0.1934	
1440 minute winter	S05	1.004	S06	1.8	0.308	0.050	0.5561	
1440 minute winter	S06	1.005	Tank01	2.6	0.613	0.054	0.0696	
1440 minute winter	Tank01	1.006	S15	3.2	0.273	0.196	0.0398	
1440 minute winter	S07	2.000a	Tank02	0.3	0.148	0.055	0.0138	
1440 minute winter	S08	2.001	S09	1.3	0.472	0.085	0.1704	
1440 minute winter	S09	2.002	S10	1.3	0.230	0.085	0.2264	
1440 minute winter	S10	2.003	S11	1.7	0.265	0.114	0.0448	
1440 minute winter	S11	2.004	Tank01	1.7	0.396	0.317	0.0176	
1440 minute winter	S12	3.000	Tank01	1.6	0.591	0.055	0.0119	
1440 minute winter	S14	4.000	Tank01	0.2	-0.017	0.034	0.0176	
1440 minute winter	S15	1.007	S16	3.2	0.121	0.071	0.1569	
1440 minute winter	S16	1.008	S17	3.3	0.655	0.227	0.0674	202.6
1440 minute winter	ACO	5.000	S16	0.1	0.230	0.015	0.0840	
1440 minute winter	Tank02	2.000b	S08	0.6	0.238	0.105	0.0139	