Design Settings

Rainfall Methodology	FSR	Maximum Time of Concentration (mins)	30.00
Return Period (years)	100	Maximum Rainfall (mm/hr)	50.0
Additional Flow (%)	30	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	0.310	Preferred Cover Depth (m)	1.200
CV	0.750	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)	Easting (m)	Northing (m)	Depth (m)
RE1	0.008	5.00	104.300		413975.386	412073.229	0.647
RE2	0.007	5.00	101.600		413997.750	412083.010	0.600
S01			104.655	600	413970.713	412081.766	1.124
S02	0.015	5.00	103.187	1200	413968.382	412101.477	2.607
S03	0.011	5.00	101.700	600	413992.636	412094.727	0.860
S04	0.052	5.00	101.617	1500	413985.879	412110.212	1.219
Tank			102.500		413977.130	412105.845	2.011
EXMH			100.665	1200	413993.481	412113.398	1.205
C01			101.215	1200	413989.115	412111.828	1.698

Links

Name	US Node	DS Node	Length (m)	ks (mm) / n	US IL (m)	DS IL (m)	Fall (m)	Slope (1:X)	Dia (mm)	T of C (mins)	Rain (mm/hr)
1.000	RE1	S01	9.732	0.600	103.653	103.531	0.122	80.0	150	5.14	50.0
1.001	S01	S02	19.848	0.600	103.531	102.587	0.944	21.0	150	5.29	50.0
1.002	S02	Tank	9.778	0.600	100.580	100.489	0.091	108.0	150	5.46	50.0
1.003	Tank	S04	9.778	0.600	100.489	100.398	0.091	108.0	150	5.63	50.0
2.000	RE2	S03	12.784	0.600	101.000	100.840	0.160	80.0	150	5.19	50.0
2.001	S03	S04	16.895	0.600	100.840	100.629	0.211	80.0	150	5.44	50.0
1.004	S04	C01	3.617	0.600	100.398	100.353	0.045	80.0	225	5.67	50.0
1.005	C01	EXMH	4.640	0.600	99.517	99.460	0.057	81.4	225	5.73	50.0

Name	Vel (m/s)	Cap (l/s)	Flow (l/s)	US Depth (m)	DS Depth (m)	Σ Area (ha)	Σ Add Inflow (l/s)	Pro Depth (mm)	Pro Velocity (m/s)
1.000	1.125	19.9	1.4	0.497	0.974	0.008	0.0	27	0.654
1.001	2.206	39.0	1.4	0.974	0.450	0.008	0.0	20	1.049
1.002	0.966	17.1	4.1	2.457	1.861	0.023	0.0	50	0.792
1.003	0.966	17.1	4.1	1.861	1.069	0.023	0.0	50	0.792
2.000	1.125	19.9	1.2	0.450	0.710	0.007	0.0	25	0.627
2.001	1.125	19.9	3.2	0.710	0.838	0.018	0.0	41	0.828
1.004	1.463	58.2	16.4	0.994	0.637	0.093	0.0	81	1.260
1.005	1.450	57.7	16.4	1.473	0.980	0.093	0.0	82	1.255

Pipeline Schedule

Link	Length (m)	Slope (1:X)	Dia (mm)	Link Type	US CL (m)	US IL (m)	US Depth (m)	DS CL (m)	DS IL (m)	DS Depth (m)
1.000	9.732	80.0	150	Circular	104.300	103.653	0.497	104.655	103.531	0.974
1.001	19.848	21.0	150	Circular	104.655	103.531	0.974	103.187	102.587	0.450
1.002	9.778	108.0	150	Circular	103.187	100.580	2.457	102.500	100.489	1.861
1.003	9.778	108.0	150	Circular	102.500	100.489	1.861	101.617	100.398	1.069
2.000	12.784	80.0	150	Circular	101.600	101.000	0.450	101.700	100.840	0.710
2.001	16.895	80.0	150	Circular	101.700	100.840	0.710	101.617	100.629	0.838
1.004	3.617	80.0	225	Circular	101.617	100.398	0.994	101.215	100.353	0.637
1.005	4.640	81.4	225	Circular	101.215	99.517	1.473	100.665	99.460	0.980

Link	US Node	Dia (mm)	Node Type	MH Type	DS Node	Dia (mm)	Node Type	MH Type
1.000	RE1		Junction		S01	600	Manhole	1 STANDARD
1.001	S01	600	Manhole	1 STANDARD	S02	1200	Manhole	1 STANDARD
1.002	S02	1200	Manhole	1 STANDARD	Tank		Junction	
1.003	Tank		Junction		S04	1500	Manhole	1 STANDARD
2.000	RE2		Junction		S03	600	Manhole	1 STANDARD
2.001	S03	600	Manhole	1 STANDARD	S04	1500	Manhole	1 STANDARD
1.004	S04	1500	Manhole	1 STANDARD	C01	1200	Manhole	1 STANDARD
1.005	C01	1200	Manhole	1 STANDARD	EXMH	1200	Manhole	1 STANDARD

Simulation Settings

Rainfall Methodology	FSR	Analysis Speed	Normal
Rainfall Events	Singular	Skip Steady State	x
FSR Region	England and Wales	Drain Down Time (mins)	1440
M5-60 (mm)	20.000	Additional Storage (m³/ha)	0.0
Ratio-R	0.310	Starting Level (m)	
Summer CV	0.750	Check Discharge Rate(s)	x
Winter CV	0.840	Check Discharge Volume	x

Storm Durations

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

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

Node S04 Online Hydro-Brake® Control

Flap Valve	x	Objective	(HE) Minimise upstream storage
Replaces Downstream Link	x	Sump Available	✓
Invert Level (m)	100.398	Product Number	CTL-SHE-0149-1070-1100-1070
Design Depth (m)	1.100	Min Outlet Diameter (m)	0.225
Design Flow (l/s)	10.7	Min Node Diameter (mm)	1500

Node Tank Depth/Area Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Safety Factor	2.0	Invert Level (m)	100.489
Side Inf Coefficient (m/hr)	0.00000	Porosity	0.95	Time to half empty (mins)	14

Depth (m)	Area (m²)	Inf Area (m²)	Depth (m)	Area (m²)	Inf Area (m²)	Depth (m)	Area (m²)	Inf Area (m²)
0.000	27.0	0.0	0.800	27.0	0.0	0.801	0.0	0.0

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

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	RE1	10	103.677	0.024	1.0	0.0000	0.0000	OK
15 minute winter	RE2	11	101.022	0.022	0.9	0.0000	0.0000	OK
15 minute winter	S01	11	103.548	0.017	1.0	0.0047	0.0000	OK
15 minute winter	S02	10	100.623	0.043	2.9	0.0482	0.0000	OK
15 minute winter	S03	10	100.875	0.035	2.3	0.0098	0.0000	OK
30 minute winter	S04	22	100.561	0.163	7.2	0.2886	0.0000	OK
30 minute winter	Tank	22	100.563	0.074	4.5	1.8856	0.0000	OK
30 minute winter	EXMH	22	99.509	0.049	6.1	0.0000	0.0000	OK
30 minute winter	C01	22	99.571	0.054	6.1	0.0608	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute winter	RE1	1.000	S01	1.0	0.696	0.050	0.0142	
15 minute winter	RE2	2.000	S03	0.9	0.399	0.045	0.0297	
15 minute winter	S01	1.001	S02	1.0	0.938	0.026	0.0212	
15 minute winter	S02	1.002	Tank	2.9	1.022	0.169	0.0543	
15 minute winter	S03	2.001	S04	2.2	0.740	0.113	0.0513	
30 minute winter	S04	1.004	C01	6.1	0.887	0.105	0.0249	
30 minute winter	Tank	1.003	S04	3.3	0.271	0.192	0.1280	
30 minute winter	C01	1.005	EXMH	6.1	0.894	0.106	0.0317	7.5

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

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	RE1	10	103.691	0.038	2.5	0.0000	0.0000	OK
15 minute winter	RE2	10	101.034	0.034	2.2	0.0000	0.0000	OK
15 minute winter	S01	10	103.557	0.026	2.5	0.0073	0.0000	OK
30 minute winter	S02	23	100.745	0.164	5.8	0.1860	0.0000	SURCHARGED
15 minute winter	S03	10	100.896	0.056	5.7	0.0159	0.0000	OK
30 minute winter	S04	23	100.739	0.341	17.8	0.6020	0.0000	SURCHARGED
30 minute winter	Tank	23	100.742	0.253	12.3	6.4863	0.0000	SURCHARGED
30 minute winter	EXMH	23	99.525	0.065	10.6	0.0000	0.0000	OK
30 minute winter	C01	23	99.590	0.073	10.6	0.0824	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute winter	RE1	1.000	S01	2.5	0.907	0.125	0.0269	
15 minute winter	RE2	2.000	S03	2.2	0.494	0.110	0.0573	
15 minute winter	S01	1.001	S02	2.5	1.223	0.063	0.0399	
30 minute winter	S02	1.002	Tank	5.7	0.958	0.334	0.1721	
15 minute winter	S03	2.001	S04	5.6	0.948	0.280	0.1163	
30 minute winter	S04	1.004	C01	10.6	1.023	0.182	0.0376	
30 minute winter	Tank	1.003	S04	8.0	0.453	0.467	0.1721	
30 minute winter	C01	1.005	EXMH	10.6	1.031	0.184	0.0478	18.4

Results for 100 year +30% CC Critical Storm Duration. Lowest mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	RE1	10	103.703	0.050	4.3	0.0000	0.0000	OK
30 minute winter	RE2	26	101.075	0.075	3.0	0.0000	0.0000	OK
15 minute winter	S01	10	103.565	0.034	4.3	0.0096	0.0000	OK
30 minute winter	S02	26	101.077	0.497	10.0	0.5622	0.0000	SURCHARGED
30 minute winter	S03	26	101.075	0.235	7.8	0.0664	0.0000	SURCHARGED
30 minute winter	S04	26	101.072	0.674	30.2	1.1905	0.0000	SURCHARGED
30 minute winter	Tank	26	101.075	0.586	25.3	15.0305	0.0000	SURCHARGED
15 minute summer	EXMH	21	99.525	0.065	10.7	0.0000	0.0000	OK
30 minute winter	C01	42	99.590	0.073	10.7	0.0828	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute winter	RE1	1.000	S01	4.3	1.056	0.214	0.0396	
30 minute winter	RE2	2.000	S03	3.0	0.551	0.151	0.1686	
15 minute winter	S01	1.001	S02	4.2	1.427	0.108	0.0583	
30 minute winter	S02	1.002	Tank	8.9	1.051	0.521	0.1721	
30 minute winter	S03	2.001	S04	7.7	0.926	0.388	0.2974	
30 minute winter	S04	1.004	C01	10.7	1.025	0.184	0.0378	
30 minute winter	Tank	1.003	S04	-16.5	-0.939	-0.968	0.1721	
30 minute winter	C01	1.005	EXMH	10.7	1.034	0.186	0.0481	31.4

Results for 1 year 15 minute summer. 1455 minute analysis at 1 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	RE1	10	103.677	0.024	1.0	0.0000	0.0000	OK
15 minute summer	RE2	10	101.022	0.021	0.9	0.0000	0.0000	OK
15 minute summer	S01	11	103.547	0.016	1.0	0.0046	0.0000	OK
15 minute summer	S02	10	100.622	0.042	2.8	0.0474	0.0000	OK
15 minute summer	S03	10	100.874	0.034	2.3	0.0097	0.0000	OK
15 minute summer	S04	14	100.550	0.152	8.6	0.2681	0.0000	OK
15 minute summer	Tank	13	100.553	0.064	6.1	1.6293	0.0000	OK
15 minute summer	EXMH	14	99.507	0.047	5.5	0.0000	0.0000	OK
15 minute summer	C01	14	99.568	0.051	5.4	0.0574	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	RE1	1.000	S01	1.0	0.694	0.049	0.0139	
15 minute summer	RE2	2.000	S03	0.9	0.389	0.044	0.0292	
15 minute summer	S01	1.001	S02	1.0	0.925	0.024	0.0205	
15 minute summer	S02	1.002	Tank	2.8	1.022	0.163	0.0484	
15 minute summer	S03	2.001	S04	2.2	0.736	0.110	0.0504	
15 minute summer	S04	1.004	C01	5.4	0.863	0.094	0.0229	
15 minute summer	Tank	1.003	S04	3.5	-0.310	0.204	0.1207	
15 minute summer	C01	1.005	EXMH	5.5	0.871	0.095	0.0293	4.9

Results for 1 year 15 minute winter. 1455 minute analysis at 1 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	RE1	10	103.677	0.024	1.0	0.0000	0.0000	OK
15 minute winter	RE2	11	101.022	0.022	0.9	0.0000	0.0000	OK
15 minute winter	S01	11	103.548	0.017	1.0	0.0047	0.0000	OK
15 minute winter	S02	10	100.623	0.043	2.9	0.0482	0.0000	OK
15 minute winter	S03	10	100.875	0.035	2.3	0.0098	0.0000	OK
15 minute winter	S04	14	100.558	0.160	8.9	0.2830	0.0000	OK
15 minute winter	Tank	14	100.560	0.071	6.3	1.8255	0.0000	OK
15 minute winter	EXMH	14	99.509	0.049	5.9	0.0000	0.0000	OK
15 minute winter	C01	14	99.570	0.053	5.9	0.0599	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	RE1	1.000	S01	1.0	0.696	0.050	0.0142	
15 minute winter	RE2	2.000	S03	0.9	0.399	0.045	0.0297	
15 minute winter	S01	1.001	S02	1.0	0.938	0.026	0.0212	
15 minute winter	S02	1.002	Tank	2.9	1.022	0.169	0.0543	
15 minute winter	S03	2.001	S04	2.2	0.740	0.113	0.0513	
15 minute winter	S04	1.004	C01	5.9	0.881	0.102	0.0243	
15 minute winter	Tank	1.003	S04	3.8	0.320	0.221	0.1263	
15 minute winter	C01	1.005	EXMH	5.9	0.888	0.103	0.0310	5.5

Results for 1 year 30 minute summer. 1470 minute analysis at 1 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	RE1	18	103.676	0.023	0.9	0.0000	0.0000	OK
30 minute summer	RE2	18	101.021	0.021	0.8	0.0000	0.0000	OK
30 minute summer	S01	18	103.547	0.016	0.9	0.0045	0.0000	OK
30 minute summer	S02	18	100.620	0.040	2.6	0.0450	0.0000	OK
30 minute summer	S03	18	100.874	0.033	2.1	0.0095	0.0000	OK
30 minute summer	S04	21	100.557	0.159	8.1	0.2804	0.0000	OK
30 minute summer	Tank	21	100.558	0.069	5.3	1.7797	0.0000	OK
30 minute summer	EXMH	22	99.508	0.048	5.8	0.0000	0.0000	OK
30 minute summer	C01	21	99.569	0.052	5.8	0.0593	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	RE1	1.000	S01	0.9	0.674	0.045	0.0131	
30 minute summer	RE2	2.000	S03	0.8	0.375	0.040	0.0279	
30 minute summer	S01	1.001	S02	0.9	0.907	0.023	0.0196	
30 minute summer	S02	1.002	Tank	2.6	0.859	0.153	0.0526	
30 minute summer	S03	2.001	S04	2.1	0.725	0.105	0.0487	
30 minute summer	S04	1.004	C01	5.8	0.877	0.100	0.0241	
30 minute summer	Tank	1.003	S04	3.2	0.279	0.188	0.1250	
30 minute summer	C01	1.005	EXMH	5.8	0.884	0.101	0.0306	6.7

Results for 1 year 30 minute winter. 1470 minute analysis at 1 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute winter	RE1	17	103.675	0.022	0.8	0.0000	0.0000	OK
30 minute winter	RE2	19	101.019	0.019	0.7	0.0000	0.0000	OK
30 minute winter	S01	19	103.546	0.015	0.8	0.0043	0.0000	OK
30 minute winter	S02	17	100.618	0.038	2.4	0.0431	0.0000	OK
30 minute winter	S03	19	100.871	0.031	1.8	0.0088	0.0000	OK
30 minute winter	S04	22	100.561	0.163	7.2	0.2886	0.0000	OK
30 minute winter	Tank	22	100.563	0.074	4.5	1.8856	0.0000	OK
30 minute winter	EXMH	22	99.509	0.049	6.1	0.0000	0.0000	OK
30 minute winter	C01	22	99.571	0.054	6.1	0.0608	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	RE1	1.000	S01	0.8	0.651	0.040	0.0121	
30 minute winter	RE2	2.000	S03	0.7	0.362	0.035	0.0252	
30 minute winter	S01	1.001	S02	0.8	0.877	0.021	0.0181	
30 minute winter	S02	1.002	Tank	2.4	0.817	0.141	0.0553	
30 minute winter	S03	2.001	S04	1.8	0.695	0.091	0.0438	
30 minute winter	S04	1.004	C01	6.1	0.887	0.105	0.0249	
30 minute winter	Tank	1.003	S04	3.3	0.271	0.192	0.1280	
30 minute winter	C01	1.005	EXMH	6.1	0.894	0.106	0.0317	7.5

Results for 1 year 60 minute summer. 1500 minute analysis at 1 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute summer	RE1	32	103.673	0.020	0.7	0.0000	0.0000	OK
60 minute summer	RE2	34	101.018	0.018	0.6	0.0000	0.0000	OK
60 minute summer	S01	34	103.545	0.014	0.7	0.0040	0.0000	OK
60 minute summer	S02	33	100.615	0.035	2.1	0.0401	0.0000	OK
60 minute summer	S03	33	100.869	0.029	1.6	0.0083	0.0000	OK
60 minute summer	S04	37	100.553	0.155	6.3	0.2740	0.0000	OK
60 minute summer	Tank	37	100.554	0.065	3.5	1.6655	0.0000	OK
60 minute summer	EXMH	37	99.507	0.047	5.6	0.0000	0.0000	OK
60 minute summer	C01	37	99.568	0.051	5.6	0.0582	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	RE1	1.000	S01	0.7	0.627	0.035	0.0110	
60 minute summer	RE2	2.000	S03	0.6	0.349	0.030	0.0229	
60 minute summer	S01	1.001	S02	0.7	0.843	0.018	0.0165	
60 minute summer	S02	1.002	Tank	2.1	0.686	0.123	0.0484	
60 minute summer	S03	2.001	S04	1.6	0.671	0.080	0.0402	
60 minute summer	S04	1.004	C01	5.6	0.869	0.097	0.0234	
60 minute summer	Tank	1.003	S04	2.8	0.253	0.164	0.1218	
60 minute summer	C01	1.005	EXMH	5.6	0.876	0.098	0.0298	8.9

Results for 1 year 60 minute winter. 1500 minute analysis at 1 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	RE1	31	103.672	0.019	0.6	0.0000	0.0000	OK
60 minute winter	RE2	33	101.017	0.016	0.5	0.0000	0.0000	OK
60 minute winter	S01	34	103.544	0.013	0.6	0.0037	0.0000	OK
60 minute winter	S02	34	100.612	0.032	1.7	0.0360	0.0000	OK
60 minute winter	S03	35	100.866	0.026	1.3	0.0075	0.0000	OK
60 minute winter	S04	38	100.550	0.152	5.4	0.2680	0.0000	OK
60 minute winter	Tank	38	100.550	0.061	2.2	1.5665	0.0000	OK
60 minute winter	EXMH	38	99.506	0.046	5.4	0.0000	0.0000	OK
60 minute winter	C01	38	99.567	0.050	5.4	0.0570	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	RE1	1.000	S01	0.6	0.599	0.030	0.0099	
60 minute winter	RE2	2.000	S03	0.5	0.332	0.025	0.0199	
60 minute winter	S01	1.001	S02	0.6	0.806	0.015	0.0148	
60 minute winter	S02	1.002	Tank	1.7	0.676	0.100	0.0446	
60 minute winter	S03	2.001	S04	1.3	0.632	0.065	0.0348	
60 minute winter	S04	1.004	C01	5.4	0.860	0.093	0.0228	
60 minute winter	Tank	1.003	S04	2.5	0.239	0.148	0.1190	
60 minute winter	C01	1.005	EXMH	5.4	0.866	0.094	0.0290	10.0

Results for 1 year 120 minute summer. 1560 minute analysis at 2 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute summer	RE1	62	103.670	0.017	0.5	0.0000	0.0000	OK
120 minute summer	RE2	64	101.015	0.015	0.4	0.0000	0.0000	OK
120 minute summer	S01	64	103.543	0.012	0.5	0.0034	0.0000	OK
120 minute summer	S02	62	100.609	0.029	1.4	0.0328	0.0000	OK
120 minute summer	S03	64	100.864	0.024	1.1	0.0069	0.0000	OK
120 minute summer	S04	68	100.537	0.139	4.7	0.2461	0.0000	OK
120 minute summer	Tank	68	100.538	0.049	1.7	1.2442	0.0000	OK
120 minute summer	EXMH	68	99.503	0.043	4.7	0.0000	0.0000	OK
120 minute summer	C01	68	99.564	0.047	4.7	0.0529	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	RE1	1.000	S01	0.5	0.564	0.025	0.0087	
120 minute summer	RE2	2.000	S03	0.4	0.310	0.020	0.0175	
120 minute summer	S01	1.001	S02	0.5	0.761	0.013	0.0130	
120 minute summer	S02	1.002	Tank	1.4	0.581	0.082	0.0345	
120 minute summer	S03	2.001	S04	1.1	0.602	0.055	0.0309	
120 minute summer	S04	1.004	C01	4.7	0.828	0.081	0.0205	
120 minute summer	Tank	1.003	S04	1.9	0.197	0.113	0.1075	
120 minute summer	C01	1.005	EXMH	4.7	0.834	0.081	0.0261	11.6

Results for 1 year 120 minute winter. 1560 minute analysis at 2 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute winter	RE1	60	103.669	0.016	0.4	0.0000	0.0000	OK
120 minute winter	RE2	58	101.013	0.013	0.3	0.0000	0.0000	OK
120 minute winter	S01	62	103.542	0.011	0.4	0.0031	0.0000	OK
120 minute winter	S02	60	100.606	0.026	1.1	0.0292	0.0000	OK
120 minute winter	S03	64	100.861	0.021	0.8	0.0059	0.0000	OK
120 minute winter	S04	70	100.527	0.129	4.1	0.2272	0.0000	OK
120 minute winter	Tank	70	100.526	0.037	1.1	0.9579	0.0000	OK
120 minute winter	EXMH	70	99.500	0.040	4.1	0.0000	0.0000	OK
120 minute winter	C01	70	99.561	0.044	4.1	0.0492	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	RE1	1.000	S01	0.4	0.529	0.020	0.0075	
120 minute winter	RE2	2.000	S03	0.3	0.295	0.015	0.0141	
120 minute winter	S01	1.001	S02	0.4	0.710	0.010	0.0112	
120 minute winter	S02	1.002	Tank	1.1	0.580	0.065	0.0263	
120 minute winter	S03	2.001	S04	0.8	0.549	0.040	0.0246	
120 minute winter	S04	1.004	C01	4.1	0.798	0.070	0.0186	
120 minute winter	Tank	1.003	S04	1.5	0.166	0.087	0.0953	
120 minute winter	C01	1.005	EXMH	4.1	0.803	0.071	0.0237	13.1

Results for 1 year 180 minute summer. 1620 minute analysis at 4 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute summer	RE1	96	103.669	0.016	0.4	0.0000	0.0000	OK
180 minute summer	RE2	96	101.013	0.013	0.3	0.0000	0.0000	OK
180 minute summer	S01	96	103.542	0.011	0.4	0.0031	0.0000	OK
180 minute summer	S02	96	100.606	0.026	1.1	0.0291	0.0000	OK
180 minute summer	S03	96	100.861	0.021	0.8	0.0059	0.0000	OK
180 minute summer	S04	100	100.524	0.126	4.0	0.2231	0.0000	OK
180 minute summer	Tank	100	100.524	0.035	1.1	0.8991	0.0000	OK
180 minute summer	EXMH	100	99.500	0.040	4.0	0.0000	0.0000	OK
180 minute summer	C01	100	99.560	0.043	4.0	0.0484	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	RE1	1.000	S01	0.4	0.529	0.020	0.0075	
180 minute summer	RE2	2.000	S03	0.3	0.278	0.015	0.0141	
180 minute summer	S01	1.001	S02	0.4	0.710	0.010	0.0112	
180 minute summer	S02	1.002	Tank	1.1	0.547	0.064	0.0240	
180 minute summer	S03	2.001	S04	0.8	0.549	0.040	0.0246	
180 minute summer	S04	1.004	C01	4.0	0.791	0.068	0.0181	
180 minute summer	Tank	1.003	S04	1.4	0.147	0.079	0.0926	
180 minute summer	C01	1.005	EXMH	4.0	0.796	0.069	0.0231	13.4

Results for 1 year 180 minute winter. 1620 minute analysis at 4 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute winter	RE1	88	103.667	0.014	0.3	0.0000	0.0000	OK
180 minute winter	RE2	96	101.013	0.013	0.3	0.0000	0.0000	OK
180 minute winter	S01	88	103.541	0.010	0.3	0.0027	0.0000	OK
180 minute winter	S02	92	100.604	0.024	0.9	0.0267	0.0000	OK
180 minute winter	S03	96	100.860	0.019	0.7	0.0055	0.0000	OK
180 minute winter	S04	100	100.515	0.117	3.4	0.2062	0.0000	OK
180 minute winter	Tank	100	100.514	0.025	0.9	0.6468	0.0000	OK
180 minute winter	EXMH	100	99.497	0.037	3.4	0.0000	0.0000	OK
180 minute winter	C01	100	99.557	0.040	3.4	0.0450	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	RE1	1.000	S01	0.3	0.482	0.015	0.0061	
180 minute winter	RE2	2.000	S03	0.3	0.295	0.015	0.0132	
180 minute winter	S01	1.001	S02	0.3	0.650	0.008	0.0092	
180 minute winter	S02	1.002	Tank	0.9	0.537	0.053	0.0178	
180 minute winter	S03	2.001	S04	0.7	0.527	0.035	0.0224	
180 minute winter	S04	1.004	C01	3.4	0.762	0.059	0.0164	
180 minute winter	Tank	1.003	S04	1.0	0.120	0.057	0.0814	
180 minute winter	C01	1.005	EXMH	3.4	0.767	0.060	0.0209	15.3

Results for 1 year 240 minute summer. 1680 minute analysis at 4 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute summer	RE1	120	103.667	0.014	0.3	0.0000	0.0000	OK
240 minute summer	RE2	128	101.013	0.013	0.3	0.0000	0.0000	OK
240 minute summer	S01	120	103.541	0.010	0.3	0.0027	0.0000	OK
240 minute summer	S02	120	100.604	0.024	0.9	0.0269	0.0000	OK
240 minute summer	S03	124	100.861	0.021	0.8	0.0058	0.0000	OK
240 minute summer	S04	128	100.517	0.119	3.6	0.2099	0.0000	OK
240 minute summer	Tank	128	100.517	0.027	0.9	0.7046	0.0000	OK
240 minute summer	EXMH	128	99.498	0.038	3.6	0.0000	0.0000	OK
240 minute summer	C01	128	99.557	0.040	3.6	0.0457	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	RE1	1.000	S01	0.3	0.482	0.015	0.0061	
240 minute summer	RE2	2.000	S03	0.3	0.292	0.015	0.0139	
240 minute summer	S01	1.001	S02	0.3	0.650	0.008	0.0092	
240 minute summer	S02	1.002	Tank	0.9	0.544	0.053	0.0193	
240 minute summer	S03	2.001	S04	0.8	0.545	0.040	0.0243	
240 minute summer	S04	1.004	C01	3.6	0.769	0.061	0.0167	
240 minute summer	Tank	1.003	S04	1.1	0.128	0.064	0.0839	
240 minute summer	C01	1.005	EXMH	3.6	0.773	0.062	0.0213	14.7

Results for 1 year 240 minute winter. 1680 minute analysis at 4 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute winter	RE1	124	103.667	0.013	0.3	0.0000	0.0000	OK
240 minute winter	RE2	108	101.011	0.011	0.2	0.0000	0.0000	OK
240 minute winter	S01	124	103.540	0.009	0.3	0.0026	0.0000	OK
240 minute winter	S02	124	100.602	0.022	0.8	0.0248	0.0000	OK
240 minute winter	S03	108	100.857	0.017	0.5	0.0047	0.0000	OK
240 minute winter	S04	128	100.502	0.104	2.8	0.1844	0.0000	OK
240 minute winter	Tank	128	100.510	0.021	0.8	0.5389	0.0000	OK
240 minute winter	EXMH	132	99.494	0.034	2.8	0.0000	0.0000	OK
240 minute winter	C01	132	99.553	0.036	2.8	0.0405	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	RE1	1.000	S01	0.3	0.482	0.015	0.0059	
240 minute winter	RE2	2.000	S03	0.2	0.253	0.010	0.0103	
240 minute winter	S01	1.001	S02	0.3	0.633	0.007	0.0087	
240 minute winter	S02	1.002	Tank	0.8	0.505	0.045	0.0148	
240 minute winter	S03	2.001	S04	0.5	0.477	0.025	0.0177	
240 minute winter	S04	1.004	C01	2.8	0.723	0.048	0.0141	
240 minute winter	Tank	1.003	S04	0.7	0.104	0.042	0.0713	
240 minute winter	C01	1.005	EXMH	2.8	0.727	0.049	0.0180	16.7

Results for 1 year 360 minute summer. 1800 minute analysis at 8 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute summer	RE1	184	103.667	0.014	0.3	0.0000	0.0000	OK
360 minute summer	RE2	176	101.011	0.011	0.2	0.0000	0.0000	OK
360 minute summer	S01	184	103.540	0.009	0.3	0.0026	0.0000	OK
360 minute summer	S02	184	100.602	0.022	0.8	0.0251	0.0000	OK
360 minute summer	S03	184	100.858	0.018	0.6	0.0051	0.0000	OK
360 minute summer	S04	184	100.504	0.106	2.9	0.1874	0.0000	OK
360 minute summer	Tank	192	100.510	0.021	0.8	0.5264	0.0000	OK
360 minute summer	EXMH	184	99.494	0.034	2.9	0.0000	0.0000	OK
360 minute summer	C01	184	99.553	0.036	2.9	0.0410	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	RE1	1.000	S01	0.3	0.482	0.015	0.0060	
360 minute summer	RE2	2.000	S03	0.2	0.253	0.010	0.0111	
360 minute summer	S01	1.001	S02	0.3	0.642	0.007	0.0089	
360 minute summer	S02	1.002	Tank	0.8	0.516	0.046	0.0147	
360 minute summer	S03	2.001	S04	0.6	0.501	0.030	0.0200	
360 minute summer	S04	1.004	C01	2.9	0.727	0.050	0.0144	
360 minute summer	Tank	1.003	S04	0.7	0.105	0.040	0.0719	
360 minute summer	C01	1.005	EXMH	2.9	0.731	0.050	0.0183	16.3

Results for 1 year 360 minute winter. 1800 minute analysis at 8 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute winter	RE1	160	103.664	0.011	0.2	0.0000	0.0000	OK
360 minute winter	RE2	176	101.011	0.011	0.2	0.0000	0.0000	OK
360 minute winter	S01	160	103.539	0.008	0.2	0.0022	0.0000	OK
360 minute winter	S02	176	100.599	0.019	0.6	0.0220	0.0000	OK
360 minute winter	S03	184	100.857	0.017	0.5	0.0047	0.0000	OK
360 minute winter	S04	184	100.493	0.095	2.4	0.1675	0.0000	OK
360 minute winter	Tank	192	100.508	0.019	0.6	0.4905	0.0000	OK
360 minute winter	EXMH	184	99.491	0.031	2.4	0.0000	0.0000	OK
360 minute winter	C01	184	99.550	0.033	2.4	0.0370	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	RE1	1.000	S01	0.2	0.429	0.010	0.0046	
360 minute winter	RE2	2.000	S03	0.2	0.276	0.010	0.0103	
360 minute winter	S01	1.001	S02	0.2	0.574	0.005	0.0069	
360 minute winter	S02	1.002	Tank	0.6	0.484	0.035	0.0129	
360 minute winter	S03	2.001	S04	0.5	0.477	0.025	0.0177	
360 minute winter	S04	1.004	C01	2.4	0.688	0.041	0.0124	
360 minute winter	Tank	1.003	S04	0.6	0.098	0.035	0.0636	
360 minute winter	C01	1.005	EXMH	2.4	0.691	0.041	0.0158	19.1

Results for 1 year 480 minute summer. 1920 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	RE1	232	103.664	0.011	0.2	0.0000	0.0000	OK
480 minute summer	RE2	240	101.011	0.011	0.2	0.0000	0.0000	OK
480 minute summer	S01	232	103.539	0.008	0.2	0.0022	0.0000	OK
480 minute summer	S02	232	100.600	0.020	0.6	0.0221	0.0000	OK
480 minute summer	S03	240	100.857	0.017	0.5	0.0047	0.0000	OK
480 minute summer	S04	248	100.496	0.097	2.5	0.1722	0.0000	OK
480 minute summer	Tank	256	100.508	0.019	0.6	0.4920	0.0000	OK
480 minute summer	EXMH	248	99.492	0.032	2.5	0.0000	0.0000	OK
480 minute summer	C01	248	99.551	0.034	2.5	0.0380	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	RE1	1.000	S01	0.2	0.429	0.010	0.0046	
480 minute summer	RE2	2.000	S03	0.2	0.253	0.010	0.0103	
480 minute summer	S01	1.001	S02	0.2	0.574	0.005	0.0069	
480 minute summer	S02	1.002	Tank	0.6	0.484	0.035	0.0129	
480 minute summer	S03	2.001	S04	0.5	0.477	0.025	0.0177	
480 minute summer	S04	1.004	C01	2.5	0.698	0.043	0.0129	
480 minute summer	Tank	1.003	S04	0.6	0.101	0.035	0.0656	
480 minute summer	C01	1.005	EXMH	2.5	0.701	0.043	0.0165	17.7

Results for 1 year 480 minute winter. 1920 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	RE1	232	103.664	0.011	0.2	0.0000	0.0000	OK
480 minute winter	RE2	160	101.008	0.008	0.1	0.0000	0.0000	OK
480 minute winter	S01	232	103.539	0.008	0.2	0.0022	0.0000	OK
480 minute winter	S02	232	100.598	0.018	0.5	0.0202	0.0000	OK
480 minute winter	S03	208	100.853	0.013	0.3	0.0037	0.0000	OK
480 minute winter	S04	264	100.480	0.082	1.8	0.1448	0.0000	OK
480 minute winter	Tank	264	100.507	0.018	0.5	0.4522	0.0000	OK
480 minute winter	EXMH	264	99.487	0.027	1.8	0.0000	0.0000	OK
480 minute winter	C01	264	99.546	0.029	1.8	0.0323	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	RE1	1.000	S01	0.2	0.429	0.010	0.0046	
480 minute winter	RE2	2.000	S03	0.1	0.225	0.005	0.0069	
480 minute winter	S01	1.001	S02	0.2	0.574	0.005	0.0069	
480 minute winter	S02	1.002	Tank	0.5	0.484	0.029	0.0114	
480 minute winter	S03	2.001	S04	0.3	0.410	0.015	0.0124	
480 minute winter	S04	1.004	C01	1.8	0.637	0.031	0.0102	
480 minute winter	Tank	1.003	S04	0.5	0.098	0.029	0.0537	
480 minute winter	C01	1.005	EXMH	1.8	0.640	0.031	0.0131	20.7

Results for 1 year 600 minute summer. 2040 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	RE1	315	103.664	0.011	0.2	0.0000	0.0000	OK
600 minute summer	RE2	315	101.011	0.011	0.2	0.0000	0.0000	OK
600 minute summer	S01	315	103.539	0.008	0.2	0.0022	0.0000	OK
600 minute summer	S02	315	100.598	0.018	0.5	0.0201	0.0000	OK
600 minute summer	S03	315	100.855	0.015	0.4	0.0042	0.0000	OK
600 minute summer	S04	315	100.487	0.089	2.1	0.1568	0.0000	OK
600 minute summer	Tank	315	100.507	0.017	0.5	0.4487	0.0000	OK
600 minute summer	EXMH	315	99.489	0.029	2.1	0.0000	0.0000	OK
600 minute summer	C01	315	99.548	0.031	2.1	0.0348	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	RE1	1.000	S01	0.2	0.429	0.010	0.0046	
600 minute summer	RE2	2.000	S03	0.2	0.278	0.010	0.0093	
600 minute summer	S01	1.001	S02	0.2	0.574	0.005	0.0069	
600 minute summer	S02	1.002	Tank	0.5	0.470	0.029	0.0113	
600 minute summer	S03	2.001	S04	0.4	0.446	0.020	0.0152	
600 minute summer	S04	1.004	C01	2.1	0.665	0.036	0.0114	
600 minute summer	Tank	1.003	S04	0.5	0.093	0.029	0.0586	
600 minute summer	C01	1.005	EXMH	2.1	0.668	0.036	0.0145	18.1

Results for 1 year 600 minute winter. 2040 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	RE1	210	103.661	0.008	0.1	0.0000	0.0000	OK
600 minute winter	RE2	225	101.008	0.008	0.1	0.0000	0.0000	OK
600 minute winter	S01	210	103.537	0.006	0.1	0.0016	0.0000	OK
600 minute winter	S02	300	100.596	0.016	0.4	0.0182	0.0000	OK
600 minute winter	S03	285	100.853	0.013	0.3	0.0037	0.0000	OK
600 minute winter	S04	315	100.475	0.077	1.6	0.1358	0.0000	OK
600 minute winter	Tank	315	100.505	0.016	0.4	0.4027	0.0000	OK
600 minute winter	EXMH	315	99.486	0.026	1.6	0.0000	0.0000	OK
600 minute winter	C01	315	99.544	0.027	1.6	0.0303	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	RE1	1.000	S01	0.1	0.346	0.005	0.0029	
600 minute winter	RE2	2.000	S03	0.1	0.225	0.005	0.0069	
600 minute winter	S01	1.001	S02	0.1	0.472	0.003	0.0042	
600 minute winter	S02	1.002	Tank	0.4	0.470	0.023	0.0097	
600 minute winter	S03	2.001	S04	0.3	0.410	0.015	0.0124	
600 minute winter	S04	1.004	C01	1.6	0.615	0.027	0.0093	
600 minute winter	Tank	1.003	S04	0.4	0.088	0.023	0.0492	
600 minute winter	C01	1.005	EXMH	1.6	0.617	0.028	0.0119	21.6

Results for 1 year 720 minute summer. 2160 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	RE1	375	103.664	0.011	0.2	0.0000	0.0000	OK
720 minute summer	RE2	300	101.008	0.008	0.1	0.0000	0.0000	OK
720 minute summer	S01	375	103.539	0.008	0.2	0.0022	0.0000	OK
720 minute summer	S02	375	100.598	0.018	0.5	0.0201	0.0000	OK
720 minute summer	S03	345	100.853	0.013	0.3	0.0037	0.0000	OK
720 minute summer	S04	375	100.482	0.084	1.9	0.1485	0.0000	OK
720 minute summer	Tank	375	100.507	0.017	0.5	0.4487	0.0000	OK
720 minute summer	EXMH	375	99.488	0.028	1.9	0.0000	0.0000	OK
720 minute summer	C01	375	99.546	0.029	1.9	0.0331	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	RE1	1.000	S01	0.2	0.429	0.010	0.0046	
720 minute summer	RE2	2.000	S03	0.1	0.225	0.005	0.0069	
720 minute summer	S01	1.001	S02	0.2	0.574	0.005	0.0069	
720 minute summer	S02	1.002	Tank	0.5	0.470	0.029	0.0113	
720 minute summer	S03	2.001	S04	0.3	0.410	0.015	0.0124	
720 minute summer	S04	1.004	C01	1.9	0.647	0.032	0.0106	
720 minute summer	Tank	1.003	S04	0.5	0.094	0.029	0.0552	
720 minute summer	C01	1.005	EXMH	1.9	0.649	0.033	0.0135	19.4

Results for 1 year 720 minute winter. 2160 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	RE1	255	103.661	0.008	0.1	0.0000	0.0000	OK
720 minute winter	RE2	270	101.008	0.008	0.1	0.0000	0.0000	OK
720 minute winter	S01	255	103.537	0.006	0.1	0.0016	0.0000	OK
720 minute winter	S02	285	100.594	0.014	0.3	0.0159	0.0000	OK
720 minute winter	S03	345	100.853	0.013	0.3	0.0037	0.0000	OK
720 minute winter	S04	390	100.470	0.072	1.4	0.1268	0.0000	OK
720 minute winter	Tank	450	100.503	0.014	0.3	0.3554	0.0000	OK
720 minute winter	EXMH	390	99.484	0.024	1.4	0.0000	0.0000	OK
720 minute winter	C01	390	99.542	0.025	1.4	0.0285	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	RE1	1.000	S01	0.1	0.346	0.005	0.0029	
720 minute winter	RE2	2.000	S03	0.1	0.225	0.005	0.0069	
720 minute winter	S01	1.001	S02	0.1	0.472	0.003	0.0042	
720 minute winter	S02	1.002	Tank	0.3	0.470	0.018	0.0079	
720 minute winter	S03	2.001	S04	0.3	0.410	0.015	0.0124	
720 minute winter	S04	1.004	C01	1.4	0.595	0.024	0.0085	
720 minute winter	Tank	1.003	S04	0.3	0.088	0.018	0.0446	
720 minute winter	C01	1.005	EXMH	1.4	0.596	0.024	0.0109	22.7

Results for 1 year 960 minute summer. 2400 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	RE1	405	103.661	0.008	0.1	0.0000	0.0000	OK
960 minute summer	RE2	405	101.008	0.008	0.1	0.0000	0.0000	OK
960 minute summer	S01	405	103.537	0.006	0.1	0.0016	0.0000	OK
960 minute summer	S02	480	100.596	0.016	0.4	0.0182	0.0000	OK
960 minute summer	S03	480	100.853	0.013	0.3	0.0037	0.0000	OK
960 minute summer	S04	495	100.475	0.077	1.6	0.1358	0.0000	OK
960 minute summer	Tank	495	100.505	0.016	0.4	0.4027	0.0000	OK
960 minute summer	EXMH	495	99.486	0.026	1.6	0.0000	0.0000	OK
960 minute summer	C01	495	99.544	0.027	1.6	0.0303	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	RE1	1.000	S01	0.1	0.346	0.005	0.0029	
960 minute summer	RE2	2.000	S03	0.1	0.225	0.005	0.0069	
960 minute summer	S01	1.001	S02	0.1	0.472	0.003	0.0042	
960 minute summer	S02	1.002	Tank	0.4	0.470	0.023	0.0097	
960 minute summer	S03	2.001	S04	0.3	0.410	0.015	0.0124	
960 minute summer	S04	1.004	C01	1.6	0.615	0.027	0.0093	
960 minute summer	Tank	1.003	S04	0.4	0.085	0.023	0.0492	
960 minute summer	C01	1.005	EXMH	1.6	0.617	0.028	0.0119	21.2

Results for 1 year 960 minute winter. 2400 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	RE1	360	103.661	0.008	0.1	0.0000	0.0000	OK
960 minute winter	RE2	375	101.008	0.008	0.1	0.0000	0.0000	OK
960 minute winter	S01	360	103.537	0.006	0.1	0.0016	0.0000	OK
960 minute winter	S02	405	100.594	0.014	0.3	0.0159	0.0000	OK
960 minute winter	S03	375	100.851	0.011	0.2	0.0030	0.0000	OK
960 minute winter	S04	510	100.464	0.066	1.2	0.1170	0.0000	OK
960 minute winter	Tank	570	100.503	0.014	0.3	0.3554	0.0000	OK
960 minute winter	EXMH	510	99.482	0.022	1.2	0.0000	0.0000	OK
960 minute winter	C01	510	99.540	0.023	1.2	0.0264	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute winter	RE1	1.000	S01	0.1	0.346	0.005	0.0029	
960 minute winter	RE2	2.000	S03	0.1	0.225	0.005	0.0057	
960 minute winter	S01	1.001	S02	0.1	0.472	0.003	0.0042	
960 minute winter	S02	1.002	Tank	0.3	0.470	0.018	0.0079	
960 minute winter	S03	2.001	S04	0.2	0.361	0.010	0.0094	
960 minute winter	S04	1.004	C01	1.2	0.569	0.021	0.0076	
960 minute winter	Tank	1.003	S04	0.3	0.088	0.018	0.0406	
960 minute winter	C01	1.005	EXMH	1.2	0.570	0.021	0.0098	25.0

Results for 1 year 1440 minute summer. 2880 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	RE1	660	103.661	0.008	0.1	0.0000	0.0000	OK
1440 minute summer	RE2	660	101.008	0.008	0.1	0.0000	0.0000	OK
1440 minute summer	S01	660	103.537	0.006	0.1	0.0016	0.0000	OK
1440 minute summer	S02	690	100.594	0.014	0.3	0.0158	0.0000	OK
1440 minute summer	S03	660	100.851	0.011	0.2	0.0030	0.0000	OK
1440 minute summer	S04	750	100.464	0.066	1.2	0.1170	0.0000	OK
1440 minute summer	Tank	780	100.503	0.014	0.3	0.3554	0.0000	OK
1440 minute summer	EXMH	750	99.482	0.022	1.2	0.0000	0.0000	OK
1440 minute summer	C01	750	99.540	0.023	1.2	0.0264	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute summer	RE1	1.000	S01	0.1	0.346	0.005	0.0029	
1440 minute summer	RE2	2.000	S03	0.1	0.225	0.005	0.0057	
1440 minute summer	S01	1.001	S02	0.1	0.472	0.003	0.0042	
1440 minute summer	S02	1.002	Tank	0.3	0.411	0.018	0.0079	
1440 minute summer	S03	2.001	S04	0.2	0.361	0.010	0.0094	
1440 minute summer	S04	1.004	C01	1.2	0.569	0.021	0.0076	
1440 minute summer	Tank	1.003	S04	0.3	0.084	0.018	0.0406	
1440 minute summer	C01	1.005	EXMH	1.2	0.570	0.021	0.0098	25.1

Results for 1 year 1440 minute winter. 2880 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	RE1	600	103.661	0.008	0.1	0.0000	0.0000	OK
1440 minute winter	RE2	630	101.008	0.008	0.1	0.0000	0.0000	OK
1440 minute winter	S01	600	103.537	0.006	0.1	0.0016	0.0000	OK
1440 minute winter	S02	570	100.592	0.012	0.2	0.0131	0.0000	OK
1440 minute winter	S03	630	100.851	0.011	0.2	0.0030	0.0000	OK
1440 minute winter	S04	750	100.455	0.057	0.9	0.1007	0.0000	OK
1440 minute winter	Tank	750	100.501	0.011	0.2	0.2941	0.0000	OK
1440 minute winter	EXMH	750	99.480	0.020	0.9	0.0000	0.0000	OK
1440 minute winter	C01	750	99.537	0.020	0.9	0.0229	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	RE1	1.000	S01	0.1	0.346	0.005	0.0029	
1440 minute winter	RE2	2.000	S03	0.1	0.225	0.005	0.0057	
1440 minute winter	S01	1.001	S02	0.1	0.472	0.003	0.0042	
1440 minute winter	S02	1.002	Tank	0.2	0.411	0.012	0.0060	
1440 minute winter	S03	2.001	S04	0.2	0.361	0.010	0.0094	
1440 minute winter	S04	1.004	C01	0.9	0.525	0.015	0.0062	
1440 minute winter	Tank	1.003	S04	0.2	0.083	0.012	0.0330	
1440 minute winter	C01	1.005	EXMH	0.9	0.526	0.016	0.0079	28.5

Results for 30 year 15 minute summer. 1455 minute analysis at 1 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	RE1	10	103.690	0.037	2.4	0.0000	0.0000	OK
15 minute summer	RE2	10	101.033	0.033	2.1	0.0000	0.0000	OK
15 minute summer	S01	10	103.556	0.025	2.4	0.0072	0.0000	OK
15 minute summer	S02	14	100.688	0.108	6.8	0.1224	0.0000	OK
15 minute summer	S03	10	100.895	0.055	5.4	0.0155	0.0000	OK
15 minute summer	S04	14	100.682	0.284	21.0	0.5019	0.0000	SURCHARGED
15 minute summer	Tank	14	100.688	0.199	17.2	5.1034	0.0000	SURCHARGED
15 minute summer	EXMH	14	99.524	0.064	10.3	0.0000	0.0000	OK
15 minute summer	C01	14	99.589	0.072	10.3	0.0812	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	RE1	1.000	S01	2.4	0.897	0.120	0.0261	
15 minute summer	RE2	2.000	S03	2.1	0.489	0.105	0.0552	
15 minute summer	S01	1.001	S02	2.4	1.208	0.060	0.0387	
15 minute summer	S02	1.002	Tank	6.9	1.044	0.403	0.1526	
15 minute summer	S03	2.001	S04	5.3	0.937	0.267	0.0958	
15 minute summer	S04	1.004	C01	10.3	1.016	0.178	0.0368	
15 minute summer	Tank	1.003	S04	-10.4	-0.640	-0.607	0.1721	
15 minute summer	C01	1.005	EXMH	10.3	1.025	0.179	0.0469	12.1

Results for 30 year 15 minute winter. 1455 minute analysis at 1 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	RE1	10	103.691	0.038	2.5	0.0000	0.0000	OK
15 minute winter	RE2	10	101.034	0.034	2.2	0.0000	0.0000	OK
15 minute winter	S01	10	103.557	0.026	2.5	0.0073	0.0000	OK
15 minute winter	S02	14	100.720	0.140	7.2	0.1581	0.0000	OK
15 minute winter	S03	10	100.896	0.056	5.7	0.0159	0.0000	OK
15 minute winter	S04	14	100.715	0.317	22.0	0.5598	0.0000	SURCHARGED
15 minute winter	Tank	15	100.718	0.229	18.0	5.8732	0.0000	SURCHARGED
15 minute winter	EXMH	14	99.525	0.065	10.5	0.0000	0.0000	OK
15 minute winter	C01	14	99.589	0.072	10.5	0.0820	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	RE1	1.000	S01	2.5	0.907	0.125	0.0269	
15 minute winter	RE2	2.000	S03	2.2	0.494	0.110	0.0573	
15 minute winter	S01	1.001	S02	2.5	1.223	0.063	0.0399	
15 minute winter	S02	1.002	Tank	7.2	1.080	0.421	0.1696	
15 minute winter	S03	2.001	S04	5.6	0.948	0.280	0.1163	
15 minute winter	S04	1.004	C01	10.5	1.020	0.181	0.0373	
15 minute winter	Tank	1.003	S04	-10.8	-0.621	-0.635	0.1721	
15 minute winter	C01	1.005	EXMH	10.5	1.029	0.182	0.0474	13.6

Results for 30 year 30 minute summer. 1470 minute analysis at 1 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	RE1	18	103.689	0.036	2.2	0.0000	0.0000	OK
30 minute summer	RE2	18	101.032	0.032	2.0	0.0000	0.0000	OK
30 minute summer	S01	18	103.556	0.025	2.2	0.0069	0.0000	OK
30 minute summer	S02	22	100.718	0.138	6.4	0.1556	0.0000	OK
30 minute summer	S03	18	100.893	0.053	5.1	0.0151	0.0000	OK
30 minute summer	S04	22	100.712	0.314	19.7	0.5546	0.0000	SURCHARGED
30 minute summer	Tank	22	100.716	0.227	14.8	5.8210	0.0000	SURCHARGED
30 minute summer	EXMH	22	99.525	0.065	10.5	0.0000	0.0000	OK
30 minute summer	C01	22	99.589	0.072	10.5	0.0819	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	RE1	1.000	S01	2.2	0.875	0.111	0.0247	
30 minute summer	RE2	2.000	S03	2.0	0.486	0.101	0.0535	
30 minute summer	S01	1.001	S02	2.2	1.185	0.056	0.0368	
30 minute summer	S02	1.002	Tank	6.3	0.913	0.366	0.1688	
30 minute summer	S03	2.001	S04	5.1	0.927	0.256	0.1100	
30 minute summer	S04	1.004	C01	10.5	1.020	0.181	0.0373	
30 minute summer	Tank	1.003	S04	-8.6	-0.496	-0.502	0.1721	
30 minute summer	C01	1.005	EXMH	10.5	1.029	0.182	0.0474	16.4

Results for 30 year 30 minute winter. 1470 minute analysis at 1 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute winter	RE1	18	103.687	0.034	2.0	0.0000	0.0000	OK
30 minute winter	RE2	18	101.031	0.030	1.8	0.0000	0.0000	OK
30 minute winter	S01	18	103.554	0.023	2.0	0.0066	0.0000	OK
30 minute winter	S02	23	100.745	0.164	5.8	0.1860	0.0000	SURCHARGED
30 minute winter	S03	18	100.891	0.050	4.6	0.0143	0.0000	OK
30 minute winter	S04	23	100.739	0.341	17.8	0.6020	0.0000	SURCHARGED
30 minute winter	Tank	23	100.742	0.253	12.3	6.4863	0.0000	SURCHARGED
30 minute winter	EXMH	23	99.525	0.065	10.6	0.0000	0.0000	OK
30 minute winter	C01	23	99.590	0.073	10.6	0.0824	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	RE1	1.000	S01	2.0	0.851	0.101	0.0231	
30 minute winter	RE2	2.000	S03	1.8	0.476	0.091	0.0496	
30 minute winter	S01	1.001	S02	2.0	1.153	0.051	0.0344	
30 minute winter	S02	1.002	Tank	5.7	0.958	0.334	0.1721	
30 minute winter	S03	2.001	S04	4.6	0.902	0.231	0.1429	
30 minute winter	S04	1.004	C01	10.6	1.023	0.182	0.0376	
30 minute winter	Tank	1.003	S04	8.0	0.453	0.467	0.1721	
30 minute winter	C01	1.005	EXMH	10.6	1.031	0.184	0.0478	18.4

Results for 30 year 60 minute summer. 1500 minute analysis at 1 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute summer	RE1	32	103.684	0.031	1.7	0.0000	0.0000	OK
60 minute summer	RE2	33	101.028	0.028	1.5	0.0000	0.0000	OK
60 minute summer	S01	34	103.553	0.022	1.7	0.0061	0.0000	OK
60 minute summer	S02	38	100.706	0.126	5.0	0.1424	0.0000	OK
60 minute summer	S03	33	100.886	0.046	3.9	0.0131	0.0000	OK
60 minute summer	S04	38	100.701	0.303	15.2	0.5360	0.0000	SURCHARGED
60 minute summer	Tank	38	100.704	0.215	9.6	5.5215	0.0000	SURCHARGED
60 minute summer	EXMH	38	99.524	0.064	10.4	0.0000	0.0000	OK
60 minute summer	C01	38	99.589	0.072	10.4	0.0817	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	RE1	1.000	S01	1.7	0.813	0.086	0.0206	
60 minute summer	RE2	2.000	S03	1.5	0.445	0.075	0.0438	
60 minute summer	S01	1.001	S02	1.7	1.099	0.044	0.0307	
60 minute summer	S02	1.002	Tank	5.0	0.779	0.290	0.1632	
60 minute summer	S03	2.001	S04	3.9	0.862	0.196	0.0963	
60 minute summer	S04	1.004	C01	10.4	1.019	0.180	0.0371	
60 minute summer	Tank	1.003	S04	6.5	0.372	0.384	0.1721	
60 minute summer	C01	1.005	EXMH	10.4	1.027	0.181	0.0472	21.5

Results for 30 year 60 minute winter. 1500 minute analysis at 1 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	RE1	32	103.682	0.029	1.4	0.0000	0.0000	OK
60 minute winter	RE2	32	101.025	0.025	1.2	0.0000	0.0000	OK
60 minute winter	S01	34	103.551	0.020	1.4	0.0056	0.0000	OK
60 minute winter	S02	40	100.704	0.124	4.0	0.1402	0.0000	OK
60 minute winter	S03	34	100.881	0.041	3.1	0.0116	0.0000	OK
60 minute winter	S04	40	100.699	0.301	12.3	0.5326	0.0000	SURCHARGED
60 minute winter	Tank	40	100.702	0.213	6.1	5.4689	0.0000	SURCHARGED
60 minute winter	EXMH	40	99.524	0.064	10.4	0.0000	0.0000	OK
60 minute winter	C01	40	99.589	0.072	10.4	0.0816	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	RE1	1.000	S01	1.4	0.767	0.070	0.0179	
60 minute winter	RE2	2.000	S03	1.2	0.426	0.060	0.0372	
60 minute winter	S01	1.001	S02	1.4	1.038	0.036	0.0268	
60 minute winter	S02	1.002	Tank	3.9	0.845	0.229	0.1622	
60 minute winter	S03	2.001	S04	3.1	0.810	0.156	0.0941	
60 minute winter	S04	1.004	C01	10.4	1.018	0.179	0.0371	
60 minute winter	Tank	1.003	S04	6.4	0.364	0.375	0.1721	
60 minute winter	C01	1.005	EXMH	10.4	1.027	0.181	0.0472	24.1

Results for 30 year 120 minute summer. 1560 minute analysis at 2 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute summer	RE1	64	103.680	0.026	1.2	0.0000	0.0000	OK
120 minute summer	RE2	64	101.023	0.023	1.0	0.0000	0.0000	OK
120 minute summer	S01	64	103.549	0.018	1.2	0.0052	0.0000	OK
120 minute summer	S02	70	100.647	0.067	3.4	0.0757	0.0000	OK
120 minute summer	S03	64	100.877	0.037	2.6	0.0106	0.0000	OK
120 minute summer	S04	68	100.644	0.246	10.2	0.4347	0.0000	SURCHARGED
120 minute summer	Tank	70	100.646	0.157	4.6	4.0312	0.0000	SURCHARGED
120 minute summer	EXMH	68	99.523	0.063	10.0	0.0000	0.0000	OK
120 minute summer	C01	68	99.587	0.070	10.0	0.0796	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	RE1	1.000	S01	1.2	0.733	0.060	0.0161	
120 minute summer	RE2	2.000	S03	1.0	0.397	0.050	0.0327	
120 minute summer	S01	1.001	S02	1.2	0.990	0.031	0.0241	
120 minute summer	S02	1.002	Tank	3.4	0.685	0.199	0.1232	
120 minute summer	S03	2.001	S04	2.6	0.771	0.131	0.0570	
120 minute summer	S04	1.004	C01	10.0	1.007	0.172	0.0359	
120 minute summer	Tank	1.003	S04	4.5	0.262	0.264	0.1721	
120 minute summer	C01	1.005	EXMH	10.0	1.015	0.173	0.0456	27.1

Results for 30 year 120 minute winter. 1560 minute analysis at 2 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute winter	RE1	62	103.676	0.023	0.9	0.0000	0.0000	OK
120 minute winter	RE2	64	101.021	0.021	0.8	0.0000	0.0000	OK
120 minute winter	S01	64	103.547	0.016	0.9	0.0045	0.0000	OK
120 minute winter	S02	70	100.622	0.042	2.6	0.0471	0.0000	OK
120 minute winter	S03	66	100.873	0.033	2.0	0.0093	0.0000	OK
120 minute winter	S04	70	100.620	0.222	9.3	0.3923	0.0000	OK
120 minute winter	Tank	70	100.622	0.133	2.6	3.4055	0.0000	OK
120 minute winter	EXMH	70	99.521	0.061	9.3	0.0000	0.0000	OK
120 minute winter	C01	70	99.585	0.068	9.3	0.0764	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	RE1	1.000	S01	0.9	0.673	0.045	0.0131	
120 minute winter	RE2	2.000	S03	0.8	0.380	0.040	0.0273	
120 minute winter	S01	1.001	S02	0.9	0.908	0.023	0.0197	
120 minute winter	S02	1.002	Tank	2.6	0.685	0.152	0.1001	
120 minute winter	S03	2.001	S04	2.0	0.716	0.101	0.0472	
120 minute winter	S04	1.004	C01	9.3	0.988	0.159	0.0340	
120 minute winter	Tank	1.003	S04	3.4	0.226	0.202	0.1667	
120 minute winter	C01	1.005	EXMH	9.3	0.997	0.161	0.0432	30.3

Results for 30 year 180 minute summer. 1620 minute analysis at 4 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute summer	RE1	96	103.676	0.023	0.9	0.0000	0.0000	OK
180 minute summer	RE2	96	101.021	0.021	0.8	0.0000	0.0000	OK
180 minute summer	S01	96	103.547	0.016	0.9	0.0045	0.0000	OK
180 minute summer	S02	96	100.619	0.039	2.6	0.0446	0.0000	OK
180 minute summer	S03	96	100.873	0.033	2.0	0.0093	0.0000	OK
180 minute summer	S04	100	100.608	0.210	8.7	0.3717	0.0000	OK
180 minute summer	Tank	100	100.610	0.121	2.7	3.0996	0.0000	OK
180 minute summer	EXMH	100	99.519	0.059	8.7	0.0000	0.0000	OK
180 minute summer	C01	100	99.582	0.065	8.7	0.0738	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	RE1	1.000	S01	0.9	0.673	0.045	0.0131	
180 minute summer	RE2	2.000	S03	0.8	0.381	0.040	0.0273	
180 minute summer	S01	1.001	S02	0.9	0.908	0.023	0.0197	
180 minute summer	S02	1.002	Tank	2.6	0.644	0.152	0.0902	
180 minute summer	S03	2.001	S04	2.0	0.716	0.101	0.0472	
180 minute summer	S04	1.004	C01	8.7	0.972	0.150	0.0324	
180 minute summer	Tank	1.003	S04	3.2	0.215	0.188	0.1604	
180 minute summer	C01	1.005	EXMH	8.7	0.980	0.151	0.0412	30.5

Results for 30 year 180 minute winter. 1620 minute analysis at 4 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute winter	RE1	92	103.673	0.020	0.7	0.0000	0.0000	OK
180 minute winter	RE2	92	101.018	0.018	0.6	0.0000	0.0000	OK
180 minute winter	S01	92	103.545	0.014	0.7	0.0040	0.0000	OK
180 minute winter	S02	96	100.615	0.035	2.0	0.0391	0.0000	OK
180 minute winter	S03	96	100.868	0.028	1.5	0.0080	0.0000	OK
180 minute winter	S04	100	100.584	0.186	7.4	0.3287	0.0000	OK
180 minute winter	Tank	100	100.585	0.096	2.0	2.4537	0.0000	OK
180 minute winter	EXMH	100	99.514	0.054	7.4	0.0000	0.0000	OK
180 minute winter	C01	100	99.577	0.060	7.4	0.0676	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	RE1	1.000	S01	0.7	0.625	0.035	0.0110	
180 minute winter	RE2	2.000	S03	0.6	0.350	0.030	0.0223	
180 minute winter	S01	1.001	S02	0.7	0.843	0.018	0.0165	
180 minute winter	S02	1.002	Tank	2.0	0.629	0.117	0.0724	
180 minute winter	S03	2.001	S04	1.5	0.659	0.075	0.0385	
180 minute winter	S04	1.004	C01	7.4	0.933	0.128	0.0288	
180 minute winter	Tank	1.003	S04	2.4	0.193	0.138	0.1440	
180 minute winter	C01	1.005	EXMH	7.4	0.940	0.129	0.0366	34.0

Results for 30 year 240 minute summer. 1680 minute analysis at 4 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute summer	RE1	124	103.675	0.022	0.8	0.0000	0.0000	OK
240 minute summer	RE2	124	101.019	0.019	0.7	0.0000	0.0000	OK
240 minute summer	S01	124	103.546	0.015	0.8	0.0042	0.0000	OK
240 minute summer	S02	124	100.616	0.036	2.2	0.0407	0.0000	OK
240 minute summer	S03	124	100.870	0.030	1.7	0.0085	0.0000	OK
240 minute summer	S04	128	100.587	0.189	7.6	0.3337	0.0000	OK
240 minute summer	Tank	132	100.588	0.099	2.2	2.5375	0.0000	OK
240 minute summer	EXMH	132	99.515	0.055	7.6	0.0000	0.0000	OK
240 minute summer	C01	132	99.578	0.061	7.6	0.0684	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	RE1	1.000	S01	0.8	0.650	0.040	0.0120	
240 minute summer	RE2	2.000	S03	0.7	0.369	0.035	0.0244	
240 minute summer	S01	1.001	S02	0.8	0.872	0.020	0.0179	
240 minute summer	S02	1.002	Tank	2.2	0.589	0.127	0.0750	
240 minute summer	S03	2.001	S04	1.7	0.681	0.085	0.0417	
240 minute summer	S04	1.004	C01	7.6	0.938	0.130	0.0292	
240 minute summer	Tank	1.003	S04	2.6	0.194	0.151	0.1463	
240 minute summer	C01	1.005	EXMH	7.6	0.946	0.132	0.0372	33.4

Results for 30 year 240 minute winter. 1680 minute analysis at 4 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute winter	RE1	124	103.672	0.019	0.6	0.0000	0.0000	OK
240 minute winter	RE2	120	101.017	0.016	0.5	0.0000	0.0000	OK
240 minute winter	S01	124	103.544	0.013	0.6	0.0037	0.0000	OK
240 minute winter	S02	124	100.611	0.031	1.6	0.0350	0.0000	OK
240 minute winter	S03	128	100.866	0.026	1.3	0.0075	0.0000	OK
240 minute winter	S04	132	100.564	0.166	6.3	0.2939	0.0000	OK
240 minute winter	Tank	132	100.565	0.076	1.6	1.9399	0.0000	OK
240 minute winter	EXMH	132	99.510	0.050	6.3	0.0000	0.0000	OK
240 minute winter	C01	132	99.572	0.055	6.3	0.0618	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	RE1	1.000	S01	0.6	0.597	0.030	0.0099	
240 minute winter	RE2	2.000	S03	0.5	0.336	0.025	0.0199	
240 minute winter	S01	1.001	S02	0.6	0.806	0.015	0.0148	
240 minute winter	S02	1.002	Tank	1.6	0.583	0.094	0.0558	
240 minute winter	S03	2.001	S04	1.3	0.632	0.065	0.0348	
240 minute winter	S04	1.004	C01	6.3	0.894	0.108	0.0254	
240 minute winter	Tank	1.003	S04	1.8	0.166	0.108	0.1296	
240 minute winter	C01	1.005	EXMH	6.3	0.901	0.109	0.0324	37.2

Results for 30 year 360 minute summer. 1800 minute analysis at 8 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute summer	RE1	184	103.672	0.019	0.6	0.0000	0.0000	OK
360 minute summer	RE2	184	101.016	0.016	0.5	0.0000	0.0000	OK
360 minute summer	S01	184	103.544	0.013	0.6	0.0037	0.0000	OK
360 minute summer	S02	184	100.612	0.032	1.7	0.0358	0.0000	OK
360 minute summer	S03	184	100.866	0.026	1.3	0.0074	0.0000	OK
360 minute summer	S04	192	100.560	0.162	6.0	0.2860	0.0000	OK
360 minute summer	Tank	192	100.560	0.071	1.7	1.8252	0.0000	OK
360 minute summer	EXMH	192	99.509	0.049	6.0	0.0000	0.0000	OK
360 minute summer	C01	192	99.570	0.053	6.0	0.0604	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	RE1	1.000	S01	0.6	0.597	0.030	0.0098	
360 minute summer	RE2	2.000	S03	0.5	0.325	0.025	0.0198	
360 minute summer	S01	1.001	S02	0.6	0.802	0.015	0.0146	
360 minute summer	S02	1.002	Tank	1.7	0.564	0.098	0.0520	
360 minute summer	S03	2.001	S04	1.3	0.629	0.065	0.0345	
360 minute summer	S04	1.004	C01	6.0	0.884	0.103	0.0246	
360 minute summer	Tank	1.003	S04	1.8	0.160	0.106	0.1263	
360 minute summer	C01	1.005	EXMH	6.0	0.891	0.104	0.0314	37.8

Results for 30 year 360 minute winter. 1800 minute analysis at 8 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute winter	RE1	168	103.669	0.016	0.4	0.0000	0.0000	OK
360 minute winter	RE2	184	101.015	0.015	0.4	0.0000	0.0000	OK
360 minute winter	S01	168	103.542	0.011	0.4	0.0031	0.0000	OK
360 minute winter	S02	184	100.607	0.027	1.2	0.0304	0.0000	OK
360 minute winter	S03	184	100.863	0.023	1.0	0.0066	0.0000	OK
360 minute winter	S04	192	100.540	0.142	4.8	0.2502	0.0000	OK
360 minute winter	Tank	192	100.540	0.050	1.2	1.2945	0.0000	OK
360 minute winter	EXMH	192	99.504	0.044	4.8	0.0000	0.0000	OK
360 minute winter	C01	192	99.564	0.047	4.8	0.0537	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	RE1	1.000	S01	0.4	0.529	0.020	0.0075	
360 minute winter	RE2	2.000	S03	0.4	0.311	0.020	0.0167	
360 minute winter	S01	1.001	S02	0.4	0.710	0.010	0.0112	
360 minute winter	S02	1.002	Tank	1.2	0.525	0.070	0.0359	
360 minute winter	S03	2.001	S04	1.0	0.586	0.050	0.0288	
360 minute winter	S04	1.004	C01	4.8	0.834	0.083	0.0209	
360 minute winter	Tank	1.003	S04	1.4	0.129	0.080	0.1096	
360 minute winter	C01	1.005	EXMH	4.8	0.840	0.084	0.0267	42.0

Results for 30 year 480 minute summer. 1920 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	RE1	248	103.670	0.017	0.5	0.0000	0.0000	OK
480 minute summer	RE2	248	101.015	0.015	0.4	0.0000	0.0000	OK
480 minute summer	S01	248	103.543	0.012	0.5	0.0034	0.0000	OK
480 minute summer	S02	248	100.609	0.029	1.4	0.0328	0.0000	OK
480 minute summer	S03	248	100.863	0.023	1.0	0.0066	0.0000	OK
480 minute summer	S04	248	100.544	0.146	5.1	0.2576	0.0000	OK
480 minute summer	Tank	248	100.544	0.055	1.4	1.4039	0.0000	OK
480 minute summer	EXMH	248	99.505	0.045	5.1	0.0000	0.0000	OK
480 minute summer	C01	248	99.566	0.049	5.1	0.0550	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	RE1	1.000	S01	0.5	0.564	0.025	0.0087	
480 minute summer	RE2	2.000	S03	0.4	0.311	0.020	0.0167	
480 minute summer	S01	1.001	S02	0.5	0.761	0.013	0.0130	
480 minute summer	S02	1.002	Tank	1.4	0.521	0.082	0.0400	
480 minute summer	S03	2.001	S04	1.0	0.586	0.050	0.0288	
480 minute summer	S04	1.004	C01	5.1	0.845	0.087	0.0217	
480 minute summer	Tank	1.003	S04	1.5	0.139	0.090	0.1138	
480 minute summer	C01	1.005	EXMH	5.1	0.851	0.088	0.0276	40.5

Results for 30 year 480 minute winter. 1920 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	RE1	208	103.667	0.014	0.3	0.0000	0.0000	OK
480 minute winter	RE2	224	101.013	0.013	0.3	0.0000	0.0000	OK
480 minute winter	S01	208	103.541	0.010	0.3	0.0027	0.0000	OK
480 minute winter	S02	216	100.604	0.024	0.9	0.0267	0.0000	OK
480 minute winter	S03	240	100.861	0.021	0.8	0.0059	0.0000	OK
480 minute winter	S04	256	100.523	0.125	3.9	0.2206	0.0000	OK
480 minute winter	Tank	256	100.523	0.034	0.9	0.8598	0.0000	OK
480 minute winter	EXMH	256	99.499	0.039	3.9	0.0000	0.0000	OK
480 minute winter	C01	256	99.559	0.042	3.9	0.0479	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	RE1	1.000	S01	0.3	0.482	0.015	0.0061	
480 minute winter	RE2	2.000	S03	0.3	0.295	0.015	0.0141	
480 minute winter	S01	1.001	S02	0.3	0.650	0.008	0.0092	
480 minute winter	S02	1.002	Tank	0.9	0.519	0.053	0.0228	
480 minute winter	S03	2.001	S04	0.8	0.549	0.040	0.0246	
480 minute winter	S04	1.004	C01	3.9	0.787	0.067	0.0179	
480 minute winter	Tank	1.003	S04	1.1	0.128	0.063	0.0909	
480 minute winter	C01	1.005	EXMH	3.9	0.792	0.067	0.0228	46.2

Results for 30 year 600 minute summer. 2040 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	RE1	315	103.669	0.016	0.4	0.0000	0.0000	OK
600 minute summer	RE2	300	101.013	0.013	0.3	0.0000	0.0000	OK
600 minute summer	S01	315	103.542	0.011	0.4	0.0031	0.0000	OK
600 minute summer	S02	315	100.606	0.026	1.1	0.0291	0.0000	OK
600 minute summer	S03	315	100.861	0.021	0.8	0.0059	0.0000	OK
600 minute summer	S04	315	100.529	0.131	4.2	0.2315	0.0000	OK
600 minute summer	Tank	315	100.529	0.040	1.1	1.0185	0.0000	OK
600 minute summer	EXMH	315	99.501	0.041	4.2	0.0000	0.0000	OK
600 minute summer	C01	315	99.561	0.044	4.2	0.0500	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	RE1	1.000	S01	0.4	0.529	0.020	0.0075	
600 minute summer	RE2	2.000	S03	0.3	0.294	0.015	0.0141	
600 minute summer	S01	1.001	S02	0.4	0.710	0.010	0.0112	
600 minute summer	S02	1.002	Tank	1.1	0.522	0.064	0.0280	
600 minute summer	S03	2.001	S04	0.8	0.549	0.040	0.0246	
600 minute summer	S04	1.004	C01	4.2	0.805	0.073	0.0190	
600 minute summer	Tank	1.003	S04	1.2	0.127	0.071	0.0980	
600 minute summer	C01	1.005	EXMH	4.2	0.810	0.073	0.0242	42.6

Results for 30 year 600 minute winter. 2040 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	RE1	285	103.667	0.014	0.3	0.0000	0.0000	OK
600 minute winter	RE2	315	101.013	0.013	0.3	0.0000	0.0000	OK
600 minute winter	S01	285	103.541	0.010	0.3	0.0027	0.0000	OK
600 minute winter	S02	285	100.602	0.022	0.8	0.0252	0.0000	OK
600 minute winter	S03	315	100.860	0.019	0.7	0.0055	0.0000	OK
600 minute winter	S04	315	100.514	0.116	3.4	0.2041	0.0000	OK
600 minute winter	Tank	315	100.513	0.024	0.8	0.6153	0.0000	OK
600 minute winter	EXMH	315	99.497	0.037	3.4	0.0000	0.0000	OK
600 minute winter	C01	315	99.556	0.039	3.4	0.0446	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	RE1	1.000	S01	0.3	0.482	0.015	0.0061	
600 minute winter	RE2	2.000	S03	0.3	0.295	0.015	0.0132	
600 minute winter	S01	1.001	S02	0.3	0.650	0.008	0.0092	
600 minute winter	S02	1.002	Tank	0.8	0.508	0.047	0.0167	
600 minute winter	S03	2.001	S04	0.7	0.527	0.035	0.0224	
600 minute winter	S04	1.004	C01	3.4	0.758	0.058	0.0161	
600 minute winter	Tank	1.003	S04	0.8	0.111	0.049	0.0800	
600 minute winter	C01	1.005	EXMH	3.4	0.763	0.059	0.0206	48.2

Results for 30 year 720 minute summer. 2160 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	RE1	360	103.667	0.014	0.3	0.0000	0.0000	OK
720 minute summer	RE2	375	101.013	0.013	0.3	0.0000	0.0000	OK
720 minute summer	S01	360	103.541	0.010	0.3	0.0027	0.0000	OK
720 minute summer	S02	375	100.603	0.023	0.9	0.0264	0.0000	OK
720 minute summer	S03	375	100.861	0.021	0.8	0.0059	0.0000	OK
720 minute summer	S04	375	100.522	0.124	3.8	0.2190	0.0000	OK
720 minute summer	Tank	375	100.522	0.033	0.9	0.8368	0.0000	OK
720 minute summer	EXMH	375	99.499	0.039	3.8	0.0000	0.0000	OK
720 minute summer	C01	375	99.559	0.042	3.8	0.0475	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	RE1	1.000	S01	0.3	0.482	0.015	0.0061	
720 minute summer	RE2	2.000	S03	0.3	0.278	0.015	0.0141	
720 minute summer	S01	1.001	S02	0.3	0.650	0.008	0.0092	
720 minute summer	S02	1.002	Tank	0.9	0.508	0.053	0.0223	
720 minute summer	S03	2.001	S04	0.8	0.549	0.040	0.0246	
720 minute summer	S04	1.004	C01	3.8	0.784	0.066	0.0177	
720 minute summer	Tank	1.003	S04	1.1	0.132	0.065	0.0899	
720 minute summer	C01	1.005	EXMH	3.8	0.789	0.066	0.0225	44.3

Results for 30 year 720 minute winter. 2160 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	RE1	375	103.667	0.014	0.3	0.0000	0.0000	OK
720 minute winter	RE2	315	101.011	0.011	0.2	0.0000	0.0000	OK
720 minute winter	S01	375	103.541	0.010	0.3	0.0027	0.0000	OK
720 minute winter	S02	375	100.602	0.022	0.8	0.0252	0.0000	OK
720 minute winter	S03	315	100.857	0.017	0.5	0.0047	0.0000	OK
720 minute winter	S04	375	100.504	0.106	2.9	0.1873	0.0000	OK
720 minute winter	Tank	375	100.511	0.022	0.8	0.5645	0.0000	OK
720 minute winter	EXMH	375	99.494	0.034	2.9	0.0000	0.0000	OK
720 minute winter	C01	375	99.553	0.036	2.9	0.0411	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	RE1	1.000	S01	0.3	0.482	0.015	0.0061	
720 minute winter	RE2	2.000	S03	0.2	0.253	0.010	0.0103	
720 minute winter	S01	1.001	S02	0.3	0.650	0.008	0.0092	
720 minute winter	S02	1.002	Tank	0.8	0.501	0.047	0.0158	
720 minute winter	S03	2.001	S04	0.5	0.477	0.025	0.0177	
720 minute winter	S04	1.004	C01	2.9	0.728	0.050	0.0144	
720 minute winter	Tank	1.003	S04	0.8	0.111	0.047	0.0729	
720 minute winter	C01	1.005	EXMH	2.9	0.732	0.050	0.0184	50.0

Results for 30 year 960 minute summer. 2400 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	RE1	495	103.667	0.014	0.3	0.0000	0.0000	OK
960 minute summer	RE2	450	101.011	0.011	0.2	0.0000	0.0000	OK
960 minute summer	S01	495	103.541	0.010	0.3	0.0027	0.0000	OK
960 minute summer	S02	495	100.602	0.022	0.8	0.0252	0.0000	OK
960 minute summer	S03	495	100.858	0.018	0.6	0.0051	0.0000	OK
960 minute summer	S04	495	100.510	0.112	3.2	0.1977	0.0000	OK
960 minute summer	Tank	495	100.511	0.022	0.8	0.5645	0.0000	OK
960 minute summer	EXMH	495	99.496	0.036	3.2	0.0000	0.0000	OK
960 minute summer	C01	495	99.555	0.038	3.2	0.0433	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	RE1	1.000	S01	0.3	0.482	0.015	0.0061	
960 minute summer	RE2	2.000	S03	0.2	0.253	0.010	0.0112	
960 minute summer	S01	1.001	S02	0.3	0.650	0.008	0.0092	
960 minute summer	S02	1.002	Tank	0.8	0.502	0.047	0.0158	
960 minute summer	S03	2.001	S04	0.6	0.503	0.030	0.0202	
960 minute summer	S04	1.004	C01	3.2	0.747	0.055	0.0155	
960 minute summer	Tank	1.003	S04	0.8	0.105	0.047	0.0767	
960 minute summer	C01	1.005	EXMH	3.2	0.751	0.055	0.0197	47.2

Results for 30 year 960 minute winter. 2400 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	RE1	420	103.664	0.011	0.2	0.0000	0.0000	OK
960 minute winter	RE2	435	101.011	0.011	0.2	0.0000	0.0000	OK
960 minute winter	S01	420	103.539	0.008	0.2	0.0022	0.0000	OK
960 minute winter	S02	450	100.599	0.019	0.6	0.0220	0.0000	OK
960 minute winter	S03	450	100.857	0.017	0.5	0.0047	0.0000	OK
960 minute winter	S04	525	100.494	0.096	2.4	0.1690	0.0000	OK
960 minute winter	Tank	525	100.508	0.019	0.6	0.4933	0.0000	OK
960 minute winter	EXMH	525	99.491	0.031	2.4	0.0000	0.0000	OK
960 minute winter	C01	525	99.550	0.033	2.4	0.0373	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	RE1	1.000	S01	0.2	0.429	0.010	0.0046	
960 minute winter	RE2	2.000	S03	0.2	0.277	0.010	0.0103	
960 minute winter	S01	1.001	S02	0.2	0.574	0.005	0.0069	
960 minute winter	S02	1.002	Tank	0.6	0.470	0.035	0.0129	
960 minute winter	S03	2.001	S04	0.5	0.477	0.025	0.0177	
960 minute winter	S04	1.004	C01	2.4	0.691	0.041	0.0126	
960 minute winter	Tank	1.003	S04	0.6	0.097	0.035	0.0643	
960 minute winter	C01	1.005	EXMH	2.4	0.694	0.042	0.0160	54.4

Results for 30 year 1440 minute summer. 2880 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	RE1	720	103.664	0.011	0.2	0.0000	0.0000	OK
1440 minute summer	RE2	750	101.011	0.011	0.2	0.0000	0.0000	OK
1440 minute summer	S01	720	103.539	0.008	0.2	0.0022	0.0000	OK
1440 minute summer	S02	720	100.599	0.019	0.6	0.0220	0.0000	OK
1440 minute summer	S03	750	100.857	0.017	0.5	0.0047	0.0000	OK
1440 minute summer	S04	750	100.494	0.096	2.4	0.1689	0.0000	OK
1440 minute summer	Tank	750	100.508	0.019	0.6	0.4931	0.0000	OK
1440 minute summer	EXMH	750	99.491	0.031	2.4	0.0000	0.0000	OK
1440 minute summer	C01	750	99.550	0.033	2.4	0.0373	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	RE1	1.000	S01	0.2	0.429	0.010	0.0046	
1440 minute summer	RE2	2.000	S03	0.2	0.253	0.010	0.0103	
1440 minute summer	S01	1.001	S02	0.2	0.574	0.005	0.0069	
1440 minute summer	S02	1.002	Tank	0.6	0.460	0.035	0.0129	
1440 minute summer	S03	2.001	S04	0.5	0.477	0.025	0.0177	
1440 minute summer	S04	1.004	C01	2.4	0.691	0.041	0.0126	
1440 minute summer	Tank	1.003	S04	0.6	0.098	0.035	0.0643	
1440 minute summer	C01	1.005	EXMH	2.4	0.694	0.042	0.0160	49.6

Results for 30 year 1440 minute winter. 2880 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	RE1	750	103.664	0.011	0.2	0.0000	0.0000	OK
1440 minute winter	RE2	510	101.008	0.008	0.1	0.0000	0.0000	OK
1440 minute winter	S01	750	103.539	0.008	0.2	0.0022	0.0000	OK
1440 minute winter	S02	750	100.598	0.018	0.5	0.0201	0.0000	OK
1440 minute winter	S03	630	100.853	0.013	0.3	0.0037	0.0000	OK
1440 minute winter	S04	750	100.480	0.082	1.8	0.1448	0.0000	OK
1440 minute winter	Tank	750	100.507	0.018	0.5	0.4522	0.0000	OK
1440 minute winter	EXMH	750	99.487	0.027	1.8	0.0000	0.0000	OK
1440 minute winter	C01	750	99.546	0.029	1.8	0.0323	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	RE1	1.000	S01	0.2	0.429	0.010	0.0046	
1440 minute winter	RE2	2.000	S03	0.1	0.225	0.005	0.0069	
1440 minute winter	S01	1.001	S02	0.2	0.574	0.005	0.0069	
1440 minute winter	S02	1.002	Tank	0.5	0.435	0.029	0.0114	
1440 minute winter	S03	2.001	S04	0.3	0.410	0.015	0.0124	
1440 minute winter	S04	1.004	C01	1.8	0.637	0.031	0.0102	
1440 minute winter	Tank	1.003	S04	0.5	0.098	0.029	0.0537	
1440 minute winter	C01	1.005	EXMH	1.8	0.640	0.031	0.0131	58.4

Results for 100 year +30% CC 15 minute summer. 1455 minute analysis at 1 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	RE1	10	103.702	0.049	4.1	0.0000	0.0000	OK
15 minute summer	RE2	10	101.043	0.043	3.6	0.0000	0.0000	OK
15 minute summer	S01	10	103.564	0.033	4.1	0.0094	0.0000	OK
15 minute summer	S02	15	100.914	0.334	11.6	0.3777	0.0000	SURCHARGED
15 minute summer	S03	12	100.967	0.127	9.2	0.0359	0.0000	OK
15 minute summer	S04	12	100.941	0.543	35.4	0.9591	0.0000	SURCHARGED
15 minute summer	Tank	15	100.912	0.423	30.1	10.8469	0.0000	SURCHARGED
15 minute summer	EXMH	21	99.525	0.065	10.7	0.0000	0.0000	OK
15 minute summer	C01	21	99.590	0.073	10.7	0.0828	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	RE1	1.000	S01	4.1	1.043	0.205	0.0383	
15 minute summer	RE2	2.000	S03	3.6	0.582	0.180	0.1243	
15 minute summer	S01	1.001	S02	4.0	1.412	0.103	0.0566	
15 minute summer	S02	1.002	Tank	10.7	1.097	0.624	0.1721	
15 minute summer	S03	2.001	S04	9.1	0.956	0.457	0.2829	
15 minute summer	S04	1.004	C01	10.7	1.025	0.184	0.0378	
15 minute summer	Tank	1.003	S04	-20.7	-1.178	-1.215	0.1721	
15 minute summer	C01	1.005	EXMH	10.7	1.034	0.186	0.0481	20.4

Results for 100 year +30% CC 15 minute winter. 1455 minute analysis at 1 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	RE1	10	103.703	0.050	4.3	0.0000	0.0000	OK
15 minute winter	RE2	10	101.044	0.044	3.7	0.0000	0.0000	OK
15 minute winter	S01	10	103.565	0.034	4.3	0.0096	0.0000	OK
15 minute winter	S02	15	100.980	0.400	12.2	0.4528	0.0000	SURCHARGED
15 minute winter	S03	12	101.039	0.199	9.6	0.0562	0.0000	SURCHARGED
15 minute winter	S04	12	101.001	0.603	35.5	1.0656	0.0000	SURCHARGED
15 minute winter	Tank	16	100.979	0.490	32.7	12.5714	0.0000	SURCHARGED
15 minute winter	EXMH	24	99.525	0.065	10.7	0.0000	0.0000	OK
15 minute winter	C01	24	99.590	0.073	10.7	0.0828	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	RE1	1.000	S01	4.3	1.056	0.214	0.0396	
15 minute winter	RE2	2.000	S03	3.7	0.576	0.185	0.1389	
15 minute winter	S01	1.001	S02	4.2	1.427	0.108	0.0583	
15 minute winter	S02	1.002	Tank	10.8	1.133	0.632	0.1721	
15 minute winter	S03	2.001	S04	8.7	0.986	0.436	0.2974	
15 minute winter	S04	1.004	C01	10.7	1.025	0.184	0.0378	
15 minute winter	Tank	1.003	S04	-21.9	-1.244	-1.282	0.1721	
15 minute winter	C01	1.005	EXMH	10.7	1.034	0.186	0.0481	22.8

Results for 100 year +30% CC 30 minute summer. 1470 minute analysis at 1 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	RE1	18	103.700	0.047	3.8	0.0000	0.0000	OK
30 minute summer	RE2	18	101.041	0.041	3.3	0.0000	0.0000	OK
30 minute summer	S01	18	103.563	0.032	3.8	0.0091	0.0000	OK
30 minute summer	S02	24	100.998	0.418	11.0	0.4731	0.0000	SURCHARGED
30 minute summer	S03	20	101.017	0.177	8.6	0.0500	0.0000	SURCHARGED
30 minute summer	S04	24	100.993	0.595	33.1	1.0508	0.0000	SURCHARGED
30 minute summer	Tank	24	100.996	0.507	28.5	13.0072	0.0000	SURCHARGED
30 minute summer	EXMH	37	99.525	0.065	10.7	0.0000	0.0000	OK
30 minute summer	C01	37	99.590	0.073	10.7	0.0828	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	RE1	1.000	S01	3.8	1.022	0.191	0.0365	
30 minute summer	RE2	2.000	S03	3.3	0.564	0.166	0.1362	
30 minute summer	S01	1.001	S02	3.8	1.389	0.097	0.0543	
30 minute summer	S02	1.002	Tank	9.7	1.022	0.570	0.1721	
30 minute summer	S03	2.001	S04	8.4	0.940	0.423	0.2974	
30 minute summer	S04	1.004	C01	10.7	1.025	0.184	0.0378	
30 minute summer	Tank	1.003	S04	-18.7	-1.064	-1.097	0.1721	
30 minute summer	C01	1.005	EXMH	10.7	1.034	0.186	0.0481	28.0

Results for 100 year +30% CC 30 minute winter. 1470 minute analysis at 1 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute winter	RE1	18	103.698	0.045	3.5	0.0000	0.0000	OK
30 minute winter	RE2	26	101.075	0.075	3.0	0.0000	0.0000	OK
30 minute winter	S01	18	103.562	0.031	3.5	0.0087	0.0000	OK
30 minute winter	S02	26	101.077	0.497	10.0	0.5622	0.0000	SURCHARGED
30 minute winter	S03	26	101.075	0.235	7.8	0.0664	0.0000	SURCHARGED
30 minute winter	S04	26	101.072	0.674	30.2	1.1905	0.0000	SURCHARGED
30 minute winter	Tank	26	101.075	0.586	25.3	15.0305	0.0000	SURCHARGED
30 minute winter	EXMH	42	99.525	0.065	10.7	0.0000	0.0000	OK
30 minute winter	C01	42	99.590	0.073	10.7	0.0828	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	RE1	1.000	S01	3.5	0.999	0.176	0.0344	
30 minute winter	RE2	2.000	S03	3.0	0.551	0.151	0.1686	
30 minute winter	S01	1.001	S02	3.5	1.357	0.090	0.0512	
30 minute winter	S02	1.002	Tank	8.9	1.051	0.521	0.1721	
30 minute winter	S03	2.001	S04	7.7	0.926	0.388	0.2974	
30 minute winter	S04	1.004	C01	10.7	1.025	0.184	0.0378	
30 minute winter	Tank	1.003	S04	-16.5	-0.939	-0.968	0.1721	
30 minute winter	C01	1.005	EXMH	10.7	1.034	0.186	0.0481	31.4

Results for 100 year +30% CC 60 minute summer. 1500 minute analysis at 1 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute summer	RE1	33	103.695	0.042	3.0	0.0000	0.0000	OK
60 minute summer	RE2	33	101.037	0.037	2.6	0.0000	0.0000	OK
60 minute summer	S01	33	103.560	0.029	3.0	0.0081	0.0000	OK
60 minute summer	S02	41	101.012	0.432	8.6	0.4887	0.0000	SURCHARGED
60 minute summer	S03	41	101.010	0.169	6.7	0.0480	0.0000	SURCHARGED
60 minute summer	S04	41	101.007	0.609	26.1	1.0758	0.0000	SURCHARGED
60 minute summer	Tank	42	101.010	0.521	21.2	13.3549	0.0000	SURCHARGED
60 minute summer	EXMH	32	99.525	0.065	10.7	0.0000	0.0000	OK
60 minute summer	C01	60	99.590	0.073	10.7	0.0828	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	RE1	1.000	S01	3.0	0.956	0.151	0.0308	
60 minute summer	RE2	2.000	S03	2.6	0.532	0.131	0.1265	
60 minute summer	S01	1.001	S02	3.0	1.297	0.077	0.0459	
60 minute summer	S02	1.002	Tank	7.7	0.926	0.449	0.1721	
60 minute summer	S03	2.001	S04	6.7	0.895	0.337	0.2974	
60 minute summer	S04	1.004	C01	10.7	1.025	0.184	0.0378	
60 minute summer	Tank	1.003	S04	-13.5	-0.768	-0.792	0.1721	
60 minute summer	C01	1.005	EXMH	10.7	1.034	0.186	0.0481	36.7

Results for 100 year +30% CC 60 minute winter. 1500 minute analysis at 1 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	RE1	32	103.690	0.037	2.4	0.0000	0.0000	OK
60 minute winter	RE2	45	101.067	0.067	2.1	0.0000	0.0000	OK
60 minute winter	S01	34	103.557	0.026	2.4	0.0073	0.0000	OK
60 minute winter	S02	45	101.070	0.490	6.9	0.5538	0.0000	SURCHARGED
60 minute winter	S03	45	101.067	0.227	5.4	0.0643	0.0000	SURCHARGED
60 minute winter	S04	45	101.065	0.667	21.1	1.1777	0.0000	SURCHARGED
60 minute winter	Tank	45	101.068	0.578	15.3	14.8375	0.0000	SURCHARGED
60 minute winter	EXMH	65	99.525	0.065	10.7	0.0000	0.0000	OK
60 minute winter	C01	65	99.590	0.073	10.7	0.0828	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	RE1	1.000	S01	2.4	0.897	0.121	0.0263	
60 minute winter	RE2	2.000	S03	2.1	0.503	0.106	0.1615	
60 minute winter	S01	1.001	S02	2.4	1.215	0.062	0.0392	
60 minute winter	S02	1.002	Tank	6.2	0.934	0.365	0.1721	
60 minute winter	S03	2.001	S04	5.4	0.871	0.272	0.2974	
60 minute winter	S04	1.004	C01	10.7	1.025	0.184	0.0378	
60 minute winter	Tank	1.003	S04	9.8	0.556	0.573	0.1721	
60 minute winter	C01	1.005	EXMH	10.7	1.034	0.186	0.0481	41.1

Results for 100 year +30% CC 120 minute summer. 1560 minute analysis at 2 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute summer	RE1	64	103.687	0.034	2.0	0.0000	0.0000	OK
120 minute summer	RE2	64	101.030	0.030	1.7	0.0000	0.0000	OK
120 minute summer	S01	64	103.554	0.023	2.0	0.0066	0.0000	OK
120 minute summer	S02	74	100.918	0.338	5.7	0.3825	0.0000	SURCHARGED
120 minute summer	S03	74	100.915	0.075	4.4	0.0212	0.0000	OK
120 minute summer	S04	74	100.913	0.515	17.4	0.9103	0.0000	SURCHARGED
120 minute summer	Tank	76	100.916	0.426	10.9	10.9395	0.0000	SURCHARGED
120 minute summer	EXMH	88	99.525	0.065	10.7	0.0000	0.0000	OK
120 minute summer	C01	86	99.590	0.073	10.7	0.0828	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	RE1	1.000	S01	2.0	0.851	0.101	0.0231	
120 minute summer	RE2	2.000	S03	1.7	0.472	0.086	0.0664	
120 minute summer	S01	1.001	S02	2.0	1.154	0.051	0.0344	
120 minute summer	S02	1.002	Tank	5.2	0.809	0.306	0.1721	
120 minute summer	S03	2.001	S04	4.4	0.835	0.221	0.2231	
120 minute summer	S04	1.004	C01	10.7	1.025	0.184	0.0378	
120 minute summer	Tank	1.003	S04	7.2	0.409	0.422	0.1721	
120 minute summer	C01	1.005	EXMH	10.7	1.034	0.186	0.0481	46.3

Results for 100 year +30% CC 120 minute winter. 1560 minute analysis at 2 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute winter	RE1	62	103.683	0.030	1.5	0.0000	0.0000	OK
120 minute winter	RE2	60	101.026	0.026	1.3	0.0000	0.0000	OK
120 minute winter	S01	64	103.551	0.020	1.5	0.0058	0.0000	OK
120 minute winter	S02	80	100.901	0.321	4.4	0.3631	0.0000	SURCHARGED
120 minute winter	S03	78	100.897	0.057	3.4	0.0163	0.0000	OK
120 minute winter	S04	78	100.896	0.498	13.4	0.8794	0.0000	SURCHARGED
120 minute winter	Tank	80	100.899	0.410	6.2	10.5106	0.0000	SURCHARGED
120 minute winter	EXMH	92	99.525	0.065	10.7	0.0000	0.0000	OK
120 minute winter	C01	92	99.590	0.073	10.7	0.0828	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	RE1	1.000	S01	1.5	0.783	0.075	0.0188	
120 minute winter	RE2	2.000	S03	1.3	0.441	0.065	0.0497	
120 minute winter	S01	1.001	S02	1.5	1.059	0.038	0.0281	
120 minute winter	S02	1.002	Tank	4.1	0.795	0.242	0.1721	
120 minute winter	S03	2.001	S04	3.4	0.805	0.171	0.2011	
120 minute winter	S04	1.004	C01	10.7	1.025	0.184	0.0378	
120 minute winter	Tank	1.003	S04	7.2	0.408	0.420	0.1721	
120 minute winter	C01	1.005	EXMH	10.7	1.034	0.186	0.0481	51.8

Results for 100 year +30% CC 180 minute summer. 1620 minute analysis at 4 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute summer	RE1	96	103.683	0.030	1.5	0.0000	0.0000	OK
180 minute summer	RE2	96	101.026	0.026	1.3	0.0000	0.0000	OK
180 minute summer	S01	96	103.551	0.020	1.5	0.0058	0.0000	OK
180 minute summer	S02	108	100.806	0.226	4.3	0.2559	0.0000	SURCHARGED
180 minute summer	S03	96	100.882	0.042	3.4	0.0119	0.0000	OK
180 minute summer	S04	104	100.800	0.402	13.1	0.7110	0.0000	SURCHARGED
180 minute summer	Tank	108	100.804	0.315	6.2	8.0813	0.0000	SURCHARGED
180 minute summer	EXMH	108	99.525	0.065	10.7	0.0000	0.0000	OK
180 minute summer	C01	108	99.590	0.073	10.7	0.0828	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	RE1	1.000	S01	1.5	0.783	0.075	0.0188	
180 minute summer	RE2	2.000	S03	1.3	0.435	0.065	0.0387	
180 minute summer	S01	1.001	S02	1.5	1.059	0.038	0.0281	
180 minute summer	S02	1.002	Tank	4.0	0.743	0.236	0.1721	
180 minute summer	S03	2.001	S04	3.4	0.781	0.171	0.1786	
180 minute summer	S04	1.004	C01	10.7	1.025	0.184	0.0378	
180 minute summer	Tank	1.003	S04	6.5	0.371	0.382	0.1721	
180 minute summer	C01	1.005	EXMH	10.7	1.034	0.186	0.0481	51.7

Results for 100 year +30% CC 180 minute winter. 1620 minute analysis at 4 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute winter	RE1	96	103.680	0.026	1.2	0.0000	0.0000	OK
180 minute winter	RE2	92	101.023	0.023	1.0	0.0000	0.0000	OK
180 minute winter	S01	96	103.549	0.018	1.2	0.0052	0.0000	OK
180 minute winter	S02	108	100.742	0.161	3.4	0.1826	0.0000	SURCHARGED
180 minute winter	S03	92	100.877	0.037	2.6	0.0105	0.0000	OK
180 minute winter	S04	108	100.737	0.338	10.8	0.5981	0.0000	SURCHARGED
180 minute winter	Tank	108	100.739	0.250	3.2	6.4075	0.0000	SURCHARGED
180 minute winter	EXMH	108	99.525	0.065	10.6	0.0000	0.0000	OK
180 minute winter	C01	108	99.590	0.073	10.6	0.0823	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	RE1	1.000	S01	1.2	0.733	0.060	0.0161	
180 minute winter	RE2	2.000	S03	1.0	0.411	0.050	0.0324	
180 minute winter	S01	1.001	S02	1.2	0.990	0.031	0.0241	
180 minute winter	S02	1.002	Tank	3.2	0.713	0.190	0.1721	
180 minute winter	S03	2.001	S04	2.6	0.760	0.132	0.1384	
180 minute winter	S04	1.004	C01	10.6	1.023	0.182	0.0375	
180 minute winter	Tank	1.003	S04	5.6	0.317	0.327	0.1721	
180 minute winter	C01	1.005	EXMH	10.6	1.031	0.184	0.0477	57.9

Results for 100 year +30% CC 240 minute summer. 1680 minute analysis at 4 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute summer	RE1	124	103.681	0.028	1.3	0.0000	0.0000	OK
240 minute summer	RE2	124	101.024	0.024	1.1	0.0000	0.0000	OK
240 minute summer	S01	124	103.550	0.019	1.3	0.0054	0.0000	OK
240 minute summer	S02	136	100.728	0.148	3.7	0.1673	0.0000	OK
240 minute summer	S03	124	100.879	0.039	2.8	0.0109	0.0000	OK
240 minute summer	S04	136	100.722	0.324	11.0	0.5731	0.0000	SURCHARGED
240 minute summer	Tank	136	100.726	0.236	3.7	6.0657	0.0000	SURCHARGED
240 minute summer	EXMH	136	99.525	0.065	10.5	0.0000	0.0000	OK
240 minute summer	C01	136	99.590	0.073	10.5	0.0821	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	RE1	1.000	S01	1.3	0.751	0.065	0.0170	
240 minute summer	RE2	2.000	S03	1.1	0.414	0.055	0.0343	
240 minute summer	S01	1.001	S02	1.3	1.011	0.033	0.0253	
240 minute summer	S02	1.002	Tank	3.4	0.678	0.201	0.1719	
240 minute summer	S03	2.001	S04	2.8	0.767	0.142	0.1208	
240 minute summer	S04	1.004	C01	10.5	1.021	0.181	0.0374	
240 minute summer	Tank	1.003	S04	5.5	0.311	0.321	0.1721	
240 minute summer	C01	1.005	EXMH	10.5	1.030	0.183	0.0476	55.8

Results for 100 year +30% CC 240 minute winter. 1680 minute analysis at 4 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute winter	RE1	116	103.676	0.023	0.9	0.0000	0.0000	OK
240 minute winter	RE2	120	101.021	0.021	0.8	0.0000	0.0000	OK
240 minute winter	S01	116	103.547	0.016	0.9	0.0045	0.0000	OK
240 minute winter	S02	136	100.651	0.071	2.7	0.0802	0.0000	OK
240 minute winter	S03	124	100.874	0.034	2.1	0.0095	0.0000	OK
240 minute winter	S04	136	100.648	0.250	10.0	0.4412	0.0000	SURCHARGED
240 minute winter	Tank	136	100.650	0.161	2.6	4.1312	0.0000	SURCHARGED
240 minute winter	EXMH	136	99.523	0.063	10.0	0.0000	0.0000	OK
240 minute winter	C01	136	99.588	0.071	10.0	0.0798	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	RE1	1.000	S01	0.9	0.673	0.045	0.0131	
240 minute winter	RE2	2.000	S03	0.8	0.379	0.040	0.0280	
240 minute winter	S01	1.001	S02	0.9	0.908	0.023	0.0197	
240 minute winter	S02	1.002	Tank	2.6	0.674	0.155	0.1261	
240 minute winter	S03	2.001	S04	2.1	0.726	0.106	0.0489	
240 minute winter	S04	1.004	C01	10.0	1.008	0.172	0.0360	
240 minute winter	Tank	1.003	S04	3.4	0.193	0.199	0.1721	
240 minute winter	C01	1.005	EXMH	10.0	1.017	0.174	0.0458	62.6

Results for 100 year +30% CC 360 minute summer. 1800 minute analysis at 8 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute summer	RE1	184	103.677	0.024	1.0	0.0000	0.0000	OK
360 minute summer	RE2	184	101.021	0.021	0.8	0.0000	0.0000	OK
360 minute summer	S01	184	103.548	0.017	1.0	0.0047	0.0000	OK
360 minute summer	S02	192	100.636	0.056	2.8	0.0636	0.0000	OK
360 minute summer	S03	184	100.873	0.033	2.1	0.0095	0.0000	OK
360 minute summer	S04	192	100.634	0.236	9.8	0.4163	0.0000	SURCHARGED
360 minute summer	Tank	192	100.636	0.147	2.6	3.7669	0.0000	OK
360 minute summer	EXMH	192	99.522	0.062	9.8	0.0000	0.0000	OK
360 minute summer	C01	192	99.587	0.070	9.8	0.0788	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	RE1	1.000	S01	1.0	0.694	0.050	0.0141	
360 minute summer	RE2	2.000	S03	0.8	0.372	0.040	0.0279	
360 minute summer	S01	1.001	S02	1.0	0.934	0.025	0.0210	
360 minute summer	S02	1.002	Tank	2.6	0.615	0.152	0.1151	
360 minute summer	S03	2.001	S04	2.1	0.725	0.105	0.0486	
360 minute summer	S04	1.004	C01	9.8	1.002	0.168	0.0354	
360 minute summer	Tank	1.003	S04	3.2	0.182	0.187	0.1717	
360 minute summer	C01	1.005	EXMH	9.8	1.011	0.170	0.0450	62.7

Results for 100 year +30% CC 360 minute winter. 1800 minute analysis at 8 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute winter	RE1	184	103.673	0.020	0.7	0.0000	0.0000	OK
360 minute winter	RE2	176	101.018	0.018	0.6	0.0000	0.0000	OK
360 minute winter	S01	184	103.545	0.014	0.7	0.0040	0.0000	OK
360 minute winter	S02	184	100.615	0.035	2.0	0.0391	0.0000	OK
360 minute winter	S03	184	100.869	0.029	1.6	0.0083	0.0000	OK
360 minute winter	S04	192	100.594	0.196	8.0	0.3465	0.0000	OK
360 minute winter	Tank	192	100.595	0.106	2.0	2.7180	0.0000	OK
360 minute winter	EXMH	192	99.516	0.056	8.0	0.0000	0.0000	OK
360 minute winter	C01	192	99.579	0.062	8.0	0.0703	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	RE1	1.000	S01	0.7	0.625	0.035	0.0110	
360 minute winter	RE2	2.000	S03	0.6	0.350	0.030	0.0229	
360 minute winter	S01	1.001	S02	0.7	0.843	0.018	0.0165	
360 minute winter	S02	1.002	Tank	2.0	0.580	0.117	0.0800	
360 minute winter	S03	2.001	S04	1.6	0.671	0.080	0.0402	
360 minute winter	S04	1.004	C01	8.0	0.951	0.137	0.0303	
360 minute winter	Tank	1.003	S04	2.2	0.153	0.128	0.1511	
360 minute winter	C01	1.005	EXMH	8.0	0.958	0.138	0.0386	69.9

Results for 100 year +30% CC 480 minute summer. 1920 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	RE1	248	103.675	0.022	0.8	0.0000	0.0000	OK
480 minute summer	RE2	248	101.019	0.019	0.7	0.0000	0.0000	OK
480 minute summer	S01	248	103.546	0.015	0.8	0.0043	0.0000	OK
480 minute summer	S02	248	100.616	0.036	2.2	0.0410	0.0000	OK
480 minute summer	S03	248	100.870	0.030	1.7	0.0085	0.0000	OK
480 minute summer	S04	248	100.602	0.204	8.4	0.3604	0.0000	OK
480 minute summer	Tank	248	100.603	0.114	2.2	2.9168	0.0000	OK
480 minute summer	EXMH	248	99.518	0.058	8.4	0.0000	0.0000	OK
480 minute summer	C01	248	99.581	0.064	8.4	0.0722	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	RE1	1.000	S01	0.8	0.650	0.040	0.0121	
480 minute summer	RE2	2.000	S03	0.7	0.370	0.035	0.0245	
480 minute summer	S01	1.001	S02	0.8	0.877	0.021	0.0181	
480 minute summer	S02	1.002	Tank	2.2	0.574	0.129	0.0861	
480 minute summer	S03	2.001	S04	1.7	0.684	0.086	0.0420	
480 minute summer	S04	1.004	C01	8.4	0.963	0.144	0.0315	
480 minute summer	Tank	1.003	S04	2.6	0.156	0.149	0.1561	
480 minute summer	C01	1.005	EXMH	8.4	0.970	0.145	0.0400	67.9

Results for 100 year +30% CC 480 minute winter. 1920 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	RE1	240	103.672	0.019	0.6	0.0000	0.0000	OK
480 minute winter	RE2	232	101.017	0.016	0.5	0.0000	0.0000	OK
480 minute winter	S01	240	103.544	0.013	0.6	0.0037	0.0000	OK
480 minute winter	S02	248	100.612	0.032	1.7	0.0360	0.0000	OK
480 minute winter	S03	240	100.866	0.026	1.3	0.0075	0.0000	OK
480 minute winter	S04	256	100.570	0.172	6.6	0.3031	0.0000	OK
480 minute winter	Tank	256	100.570	0.081	1.7	2.0755	0.0000	OK
480 minute winter	EXMH	256	99.511	0.051	6.6	0.0000	0.0000	OK
480 minute winter	C01	256	99.573	0.056	6.6	0.0634	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	RE1	1.000	S01	0.6	0.597	0.030	0.0099	
480 minute winter	RE2	2.000	S03	0.5	0.336	0.025	0.0199	
480 minute winter	S01	1.001	S02	0.6	0.806	0.015	0.0148	
480 minute winter	S02	1.002	Tank	1.7	0.530	0.100	0.0607	
480 minute winter	S03	2.001	S04	1.3	0.632	0.065	0.0348	
480 minute winter	S04	1.004	C01	6.6	0.905	0.113	0.0263	
480 minute winter	Tank	1.003	S04	1.8	0.144	0.104	0.1334	
480 minute winter	C01	1.005	EXMH	6.6	0.912	0.114	0.0335	75.4

Results for 100 year +30% CC 600 minute summer. 2040 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	RE1	315	103.672	0.019	0.6	0.0000	0.0000	OK
600 minute summer	RE2	315	101.017	0.016	0.5	0.0000	0.0000	OK
600 minute summer	S01	315	103.544	0.013	0.6	0.0037	0.0000	OK
600 minute summer	S02	315	100.613	0.033	1.8	0.0371	0.0000	OK
600 minute summer	S03	315	100.867	0.027	1.4	0.0077	0.0000	OK
600 minute summer	S04	315	100.579	0.181	7.2	0.3203	0.0000	OK
600 minute summer	Tank	315	100.580	0.091	1.8	2.3277	0.0000	OK
600 minute summer	EXMH	315	99.513	0.053	7.2	0.0000	0.0000	OK
600 minute summer	C01	315	99.576	0.059	7.2	0.0663	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute summer	RE1	1.000	S01	0.6	0.597	0.030	0.0099	
600 minute summer	RE2	2.000	S03	0.5	0.315	0.025	0.0207	
600 minute summer	S01	1.001	S02	0.6	0.806	0.015	0.0148	
600 minute summer	S02	1.002	Tank	1.8	0.514	0.105	0.0684	
600 minute summer	S03	2.001	S04	1.4	0.646	0.070	0.0366	
600 minute summer	S04	1.004	C01	7.2	0.924	0.123	0.0280	
600 minute summer	Tank	1.003	S04	2.0	0.138	0.119	0.1405	
600 minute summer	C01	1.005	EXMH	7.2	0.932	0.124	0.0356	71.9

Results for 100 year +30% CC 600 minute winter. 2040 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	RE1	300	103.670	0.017	0.5	0.0000	0.0000	OK
600 minute winter	RE2	285	101.015	0.015	0.4	0.0000	0.0000	OK
600 minute winter	S01	300	103.543	0.012	0.5	0.0034	0.0000	OK
600 minute winter	S02	300	100.609	0.029	1.4	0.0328	0.0000	OK
600 minute winter	S03	315	100.864	0.024	1.1	0.0069	0.0000	OK
600 minute winter	S04	315	100.552	0.154	5.6	0.2728	0.0000	OK
600 minute winter	Tank	315	100.553	0.063	1.4	1.6282	0.0000	OK
600 minute winter	EXMH	315	99.507	0.047	5.6	0.0000	0.0000	OK
600 minute winter	C01	315	99.568	0.051	5.6	0.0579	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	RE1	1.000	S01	0.5	0.564	0.025	0.0087	
600 minute winter	RE2	2.000	S03	0.4	0.311	0.020	0.0175	
600 minute winter	S01	1.001	S02	0.5	0.761	0.013	0.0130	
600 minute winter	S02	1.002	Tank	1.4	0.555	0.082	0.0463	
600 minute winter	S03	2.001	S04	1.1	0.602	0.055	0.0309	
600 minute winter	S04	1.004	C01	5.6	0.867	0.096	0.0233	
600 minute winter	Tank	1.003	S04	1.5	0.130	0.087	0.1207	
600 minute winter	C01	1.005	EXMH	5.6	0.873	0.097	0.0296	80.6

Results for 100 year +30% CC 720 minute summer. 2160 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	RE1	375	103.672	0.019	0.6	0.0000	0.0000	OK
720 minute summer	RE2	375	101.017	0.016	0.5	0.0000	0.0000	OK
720 minute summer	S01	375	103.544	0.013	0.6	0.0037	0.0000	OK
720 minute summer	S02	375	100.611	0.031	1.6	0.0350	0.0000	OK
720 minute summer	S03	375	100.866	0.026	1.3	0.0075	0.0000	OK
720 minute summer	S04	375	100.566	0.168	6.4	0.2974	0.0000	OK
720 minute summer	Tank	375	100.567	0.078	1.6	1.9903	0.0000	OK
720 minute summer	EXMH	375	99.510	0.050	6.4	0.0000	0.0000	OK
720 minute summer	C01	375	99.572	0.055	6.4	0.0624	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	RE1	1.000	S01	0.6	0.597	0.030	0.0099	
720 minute summer	RE2	2.000	S03	0.5	0.325	0.025	0.0199	
720 minute summer	S01	1.001	S02	0.6	0.806	0.015	0.0148	
720 minute summer	S02	1.002	Tank	1.6	0.509	0.094	0.0577	
720 minute summer	S03	2.001	S04	1.3	0.632	0.065	0.0348	
720 minute summer	S04	1.004	C01	6.4	0.898	0.110	0.0258	
720 minute summer	Tank	1.003	S04	1.9	0.133	0.109	0.1310	
720 minute summer	C01	1.005	EXMH	6.4	0.905	0.111	0.0328	75.7

Results for 100 year +30% CC 720 minute winter. 2160 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	RE1	345	103.669	0.016	0.4	0.0000	0.0000	OK
720 minute winter	RE2	360	101.015	0.015	0.4	0.0000	0.0000	OK
720 minute winter	S01	345	103.542	0.011	0.4	0.0031	0.0000	OK
720 minute winter	S02	360	100.607	0.027	1.2	0.0304	0.0000	OK
720 minute winter	S03	360	100.863	0.023	1.0	0.0066	0.0000	OK
720 minute winter	S04	375	100.541	0.143	4.9	0.2519	0.0000	OK
720 minute winter	Tank	375	100.541	0.051	1.2	1.3198	0.0000	OK
720 minute winter	EXMH	375	99.504	0.044	4.9	0.0000	0.0000	OK
720 minute winter	C01	375	99.565	0.048	4.9	0.0540	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	RE1	1.000	S01	0.4	0.529	0.020	0.0075	
720 minute winter	RE2	2.000	S03	0.4	0.311	0.020	0.0167	
720 minute winter	S01	1.001	S02	0.4	0.710	0.010	0.0112	
720 minute winter	S02	1.002	Tank	1.2	0.502	0.070	0.0365	
720 minute winter	S03	2.001	S04	1.0	0.586	0.050	0.0288	
720 minute winter	S04	1.004	C01	4.9	0.837	0.084	0.0211	
720 minute winter	Tank	1.003	S04	1.3	0.129	0.075	0.1106	
720 minute winter	C01	1.005	EXMH	4.9	0.843	0.085	0.0269	84.6

Results for 100 year +30% CC 960 minute summer. 2400 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	RE1	495	103.670	0.017	0.5	0.0000	0.0000	OK
960 minute summer	RE2	480	101.015	0.015	0.4	0.0000	0.0000	OK
960 minute summer	S01	495	103.543	0.012	0.5	0.0034	0.0000	OK
960 minute summer	S02	495	100.609	0.029	1.4	0.0328	0.0000	OK
960 minute summer	S03	480	100.863	0.023	1.0	0.0066	0.0000	OK
960 minute summer	S04	495	100.548	0.150	5.3	0.2657	0.0000	OK
960 minute summer	Tank	495	100.548	0.059	1.4	1.5231	0.0000	OK
960 minute summer	EXMH	495	99.506	0.046	5.3	0.0000	0.0000	OK
960 minute summer	C01	495	99.567	0.050	5.3	0.0566	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	RE1	1.000	S01	0.5	0.564	0.025	0.0087	
960 minute summer	RE2	2.000	S03	0.4	0.311	0.020	0.0167	
960 minute summer	S01	1.001	S02	0.5	0.761	0.013	0.0130	
960 minute summer	S02	1.002	Tank	1.4	0.508	0.082	0.0433	
960 minute summer	S03	2.001	S04	1.0	0.586	0.050	0.0288	
960 minute summer	S04	1.004	C01	5.3	0.857	0.092	0.0226	
960 minute summer	Tank	1.003	S04	1.5	0.125	0.085	0.1177	
960 minute summer	C01	1.005	EXMH	5.3	0.863	0.093	0.0287	82.0

Results for 100 year +30% CC 960 minute winter. 2400 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	RE1	420	103.667	0.014	0.3	0.0000	0.0000	OK
960 minute winter	RE2	450	101.013	0.013	0.3	0.0000	0.0000	OK
960 minute winter	S01	420	103.541	0.010	0.3	0.0027	0.0000	OK
960 minute winter	S02	435	100.603	0.023	0.9	0.0265	0.0000	OK
960 minute winter	S03	480	100.861	0.021	0.8	0.0059	0.0000	OK
960 minute winter	S04	495	100.523	0.125	3.9	0.2208	0.0000	OK
960 minute winter	Tank	495	100.523	0.034	0.9	0.8615	0.0000	OK
960 minute winter	EXMH	495	99.499	0.039	3.9	0.0000	0.0000	OK
960 minute winter	C01	495	99.559	0.042	3.9	0.0479	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	RE1	1.000	S01	0.3	0.482	0.015	0.0061	
960 minute winter	RE2	2.000	S03	0.3	0.295	0.015	0.0141	
960 minute winter	S01	1.001	S02	0.3	0.650	0.008	0.0092	
960 minute winter	S02	1.002	Tank	0.9	0.501	0.053	0.0229	
960 minute winter	S03	2.001	S04	0.8	0.549	0.040	0.0246	
960 minute winter	S04	1.004	C01	3.9	0.787	0.067	0.0179	
960 minute winter	Tank	1.003	S04	1.0	0.122	0.058	0.0910	
960 minute winter	C01	1.005	EXMH	3.9	0.792	0.067	0.0228	90.9

Results for 100 year +30% CC 1440 minute summer. 2880 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	RE1	720	103.667	0.014	0.3	0.0000	0.0000	OK
1440 minute summer	RE2	750	101.013	0.013	0.3	0.0000	0.0000	OK
1440 minute summer	S01	720	103.541	0.010	0.3	0.0027	0.0000	OK
1440 minute summer	S02	750	100.603	0.023	0.9	0.0264	0.0000	OK
1440 minute summer	S03	750	100.861	0.021	0.8	0.0059	0.0000	OK
1440 minute summer	S04	750	100.521	0.123	3.8	0.2177	0.0000	OK
1440 minute summer	Tank	750	100.521	0.032	0.9	0.8161	0.0000	OK
1440 minute summer	EXMH	750	99.499	0.039	3.8	0.0000	0.0000	OK
1440 minute summer	C01	750	99.559	0.042	3.8	0.0473	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	RE1	1.000	S01	0.3	0.482	0.015	0.0061	
1440 minute summer	RE2	2.000	S03	0.3	0.278	0.015	0.0141	
1440 minute summer	S01	1.001	S02	0.3	0.650	0.008	0.0092	
1440 minute summer	S02	1.002	Tank	0.9	0.502	0.053	0.0218	
1440 minute summer	S03	2.001	S04	0.8	0.549	0.040	0.0246	
1440 minute summer	S04	1.004	C01	3.8	0.782	0.065	0.0176	
1440 minute summer	Tank	1.003	S04	0.9	0.118	0.055	0.0890	
1440 minute summer	C01	1.005	EXMH	3.8	0.787	0.066	0.0224	86.8

Results for 100 year +30% CC 1440 minute winter. 2880 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	RE1	600	103.664	0.011	0.2	0.0000	0.0000	OK
1440 minute winter	RE2	630	101.011	0.011	0.2	0.0000	0.0000	OK
1440 minute winter	S01	600	103.539	0.008	0.2	0.0022	0.0000	OK
1440 minute winter	S02	720	100.601	0.021	0.7	0.0236	0.0000	OK
1440 minute winter	S03	630	100.857	0.017	0.5	0.0047	0.0000	OK
1440 minute winter	S04	750	100.502	0.104	2.8	0.1838	0.0000	OK
1440 minute winter	Tank	750	100.510	0.021	0.7	0.5307	0.0000	OK
1440 minute winter	EXMH	750	99.494	0.034	2.8	0.0000	0.0000	OK
1440 minute winter	C01	750	99.553	0.036	2.8	0.0404	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	RE1	1.000	S01	0.2	0.429	0.010	0.0046	
1440 minute winter	RE2	2.000	S03	0.2	0.253	0.010	0.0103	
1440 minute winter	S01	1.001	S02	0.2	0.574	0.005	0.0069	
1440 minute winter	S02	1.002	Tank	0.7	0.480	0.041	0.0144	
1440 minute winter	S03	2.001	S04	0.5	0.477	0.025	0.0177	
1440 minute winter	S04	1.004	C01	2.8	0.722	0.048	0.0141	
1440 minute winter	Tank	1.003	S04	0.7	0.101	0.041	0.0709	
1440 minute winter	C01	1.005	EXMH	2.8	0.725	0.049	0.0179	98.2