



Canfield Gardens 117 – Flat 1, London NW6 3DY

FOR: NEIGHBOURHOOD STUDIO

HYDRAULIC MODEL



Revision	Report Name	Date	Comment	By
P1	1573-HYDM-230608	20.06.23	Issued for Approval	S.Kanadia



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	0.400	Preferred Cover Depth (m)	1.200
CV	1.000	Include Intermediate Ground	✓
Time of Entry (mins)	2.00	Enforce best practice design rules	✓

Nodes

Name	Area (ha)	T of E (mins)	Cover Level (m)	Diameter (mm)	Depth (m)
SWPC-01			42.535	800	0.625
SWMH-01	0.007	2.00	44.540	1200	0.670
CWMH-02			44.540	450	0.695
DUMMY	0.001	2.00	42.535		0.600
SWMH-02		2.00	44.500	1200	0.580
TANK			44.500		0.600

Links (Results)

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)
Pipe 1	1.223	9.6	1.6	0.570	0.595	0.007	0.0	28	0.907
Pipe 2	1.223	9.6	0.2	0.500	0.525	0.001	0.0	11	0.495
Pipe 3	1.698	30.0	0.0	0.450	0.520	0.000	0.0	0	0.000
Pipe 4	1.426	25.2	0.0	0.430	0.450	0.000	0.0	0	0.000

Simulation Settings

Rainfall Methodology	FSR	Drain Down Time (mins)	180
FSR Region	England and Wales	Additional Storage (m³/ha)	20.0
M5-60 (mm)	20.000	Check Discharge Rate(s)	✓
Ratio-R	0.400	1 year (l/s)	1.1
Summer CV	1.000	30 year (l/s)	2.5
Winter CV	1.000	100 year (l/s)	3.1
Analysis Speed	Detailed	Check Discharge Volume	x
Skip Steady State	x		

Storm Durations

15	60	180	360	600	960	2160	4320	7200	10080
30	120	240	480	720	1440	2880	5760	8640	

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



Pre-development Discharge Rate

Site Makeup	Brownfield	Time of Concentration (mins)	3.00
Brownfield Method	MRM	Betterment (%)	0
Contributing Area (ha)	0.006	Q 1 year (l/s)	1.1
PIMP (%)	100	Q 30 year (l/s)	2.5
CV	0.750	Q 100 year (l/s)	3.1

Node SWPC-01 Online Pump Control

Flap Valve	x	Design Depth (m)	1.200	Switch off depth (m)	0.090
Replaces Downstream Link	✓	Design Flow (l/s)	0.1		
Invert Level (m)	41.085	Switch on depth (m)	0.100		

Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)
0.100	0.100	1.200	0.100

Node SWMH-01 Online Hydro-Brake® Control

Flap Valve	x	Objective	(HE) Minimise upstream storage
Replaces Downstream Link	x	Sump Available	✓
Invert Level (m)	43.870	Product Number	CTL-SHE-0032-4000-0650-4000
Design Depth (m)	0.650	Min Outlet Diameter (m)	0.075
Design Flow (l/s)	0.4	Min Node Diameter (mm)	1200

Node TANK Depth/Area Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Safety Factor	2.0	Invert Level (m)	43.900
Side Inf Coefficient (m/hr)	0.00000	Porosity	0.95	Time to half empty (mins)	82

Depth (m)	Area (m²)	Inf Area (m²)	Depth (m)	Area (m²)	Inf Area (m²)	Depth (m)	Area (m²)	Inf Area (m²)
0.000	6.0	0.0	0.400	6.0	0.0	0.401	0.0	0.0



Results for 1 year Critical Storm Duration. Lowest mass balance: 88.03%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
60 minute winter	SWPC-01	44	41.185	-0.725	0.1	0.0000	0.0000	OK
60 minute summer	SWMH-01	39	43.946	0.076	1.3	0.1023	0.0000	OK
60 minute summer	CWMH-02	39	43.857	0.012	0.3	0.0000	0.0000	OK
15 minute summer	DUMMY	9	41.948	0.013	0.3	0.0004	0.0000	OK
60 minute summer	SWMH-02	38	43.946	0.026	0.1	0.0298	0.0000	OK
60 minute summer	TANK	39	43.946	0.046	0.8	0.2642	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
60 minute winter	SWPC-01	Pump		0.0				0.0
60 minute summer	SWMH-01	Pipe 1	CWMH-02	0.3	0.523	0.031	0.0006	0.9
15 minute summer	DUMMY	Pipe 2	SWPC-01	0.3	0.535	0.031	0.0006	
60 minute summer	SWMH-02	Pipe 4	TANK	-0.1	-0.106	-0.006	0.0033	
60 minute summer	TANK	Pipe 3	SWMH-01	1.3	0.345	0.042	0.0072	



Results for 30 year Critical Storm Duration. Lowest mass balance: 88.03%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute winter	SWPC-01	29	41.259	-0.651	0.3	0.0000	0.0000	OK
60 minute summer	SWMH-01	45	44.055	0.185	2.3	0.2477	0.0000	SURCHARGED
15 minute summer	CWMH-02	15	43.858	0.013	0.3	0.0000	0.0000	OK
15 minute summer	DUMMY	9	41.953	0.018	0.6	0.0006	0.0000	OK
60 minute summer	SWMH-02	45	44.055	0.135	0.3	0.1526	0.0000	OK
60 minute summer	TANK	45	44.055	0.155	2.1	0.8828	0.0000	SURCHARGED

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute winter	SWPC-01	Pump		0.1				0.1
60 minute summer	SWMH-01	Pipe 1	CWMH-02	0.3	0.538	0.034	0.0006	2.1
15 minute summer	DUMMY	Pipe 2	SWPC-01	0.6	0.653	0.062	0.0009	
60 minute summer	SWMH-02	Pipe 4	TANK	0.5	0.180	0.018	0.0171	
60 minute summer	TANK	Pipe 3	SWMH-01	-1.7	0.318	-0.055	0.0187	



Results for 100 year Critical Storm Duration. Lowest mass balance: 88.03%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
30 minute summer	SWPC-01	29	41.328	-0.582	0.6	0.0000	0.0000	OK
60 minute summer	SWMH-01	50	44.130	0.260	3.0	0.3482	0.0000	SURCHARGED
15 minute summer	CWMH-02	32	43.858	0.013	0.3	0.0000	0.0000	OK
15 minute summer	DUMMY	9	41.956	0.021	0.8	0.0007	0.0000	OK
60 minute summer	SWMH-02	50	44.130	0.210	0.4	0.2374	0.0000	SURCHARGED
60 minute summer	TANK	50	44.130	0.230	2.2	1.3104	0.0000	SURCHARGED

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
30 minute summer	SWPC-01	Pump		0.1				0.1
60 minute summer	SWMH-01	Pipe 1	CWMH-02	0.3	0.538	0.034	0.0006	2.9
15 minute summer	DUMMY	Pipe 2	SWPC-01	0.8	0.707	0.083	0.0011	
60 minute summer	SWMH-02	Pipe 4	TANK	-0.4	0.148	-0.015	0.0176	
60 minute summer	TANK	Pipe 3	SWMH-01	-2.2	0.404	-0.075	0.0187	



Results for 100 year +30% CC Critical Storm Duration. Lowest mass balance: 88.03%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	SWPC-01	50	41.424	-0.486	0.4	0.0000	0.0000	OK
60 minute summer	SWMH-01	59	44.229	0.359	3.9	0.4817	0.0000	SURCHARGED
15 minute summer	CWMH-02	59	43.858	0.013	0.3	0.0000	0.0000	OK
15 minute summer	DUMMY	9	41.959	0.024	1.0	0.0008	0.0000	OK
60 minute summer	SWMH-02	59	44.229	0.309	0.5	0.3500	0.0000	FLOOD RISK
60 minute summer	TANK	59	44.229	0.329	3.0	1.8780	0.0000	FLOOD RISK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute winter	SWPC-01	Pump		0.1				0.2
60 minute summer	SWMH-01	Pipe 1	CWMH-02	0.3	0.538	0.034	0.0006	3.7
15 minute summer	DUMMY	Pipe 2	SWPC-01	1.0	0.750	0.104	0.0013	
60 minute summer	SWMH-02	Pipe 4	TANK	-0.5	0.172	-0.020	0.0176	
60 minute summer	TANK	Pipe 3	SWMH-01	-3.0	0.367	-0.100	0.0187	



Results for 1 year 15 minute summer. 195 minute analysis at 1 minute timestep. Mass balance: 88.03%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
15 minute summer	SWPC-01	23	41.156	-0.754	0.3	0.0000	0.0000	OK
15 minute summer	SWMH-01	13	43.941	0.071	1.8	0.0957	0.0000	OK
15 minute summer	CWMH-02	13	43.857	0.012	0.3	0.0000	0.0000	OK
15 minute summer	DUMMY	9	41.948	0.013	0.3	0.0004	0.0000	OK
15 minute summer	SWMH-02	13	43.941	0.021	0.3	0.0243	0.0000	OK
15 minute summer	TANK	13	43.941	0.041	1.5	0.2362	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
15 minute summer	SWPC-01	Pump		0.0				0.0
15 minute summer	SWMH-01	Pipe 1	CWMH-02	0.3	0.520	0.030	0.0006	0.5
15 minute summer	DUMMY	Pipe 2	SWPC-01	0.3	0.535	0.031	0.0006	
15 minute summer	SWMH-02	Pipe 4	TANK	-0.3	-0.162	-0.012	0.0027	
15 minute summer	TANK	Pipe 3	SWMH-01	1.7	0.389	0.056	0.0065	



Results for 1 year 15 minute winter. 195 minute analysis at 1 minute timestep. Mass balance: 88.26%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
15 minute winter	SWPC-01	23	41.156	-0.754	0.2	0.0000	0.0000	OK
15 minute winter	SWMH-01	14	43.942	0.072	1.5	0.0961	0.0000	OK
15 minute winter	CWMH-02	14	43.857	0.012	0.3	0.0000	0.0000	OK
15 minute winter	DUMMY	10	41.945	0.010	0.2	0.0003	0.0000	OK
15 minute winter	SWMH-02	13	43.942	0.022	0.2	0.0246	0.0000	OK
15 minute winter	TANK	14	43.942	0.042	1.6	0.2380	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
15 minute winter	SWPC-01	Pump		0.0				0.0
15 minute winter	SWMH-01	Pipe 1	CWMH-02	0.3	0.520	0.030	0.0006	0.5
15 minute winter	DUMMY	Pipe 2	SWPC-01	0.2	0.478	0.021	0.0004	
15 minute winter	SWMH-02	Pipe 4	TANK	-0.2	-0.146	-0.009	0.0028	
15 minute winter	TANK	Pipe 3	SWMH-01	1.5	0.387	0.050	0.0065	



Results for 1 year 30 minute summer. 210 minute analysis at 1 minute timestep. Mass balance: 90.62%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
30 minute summer	SWPC-01	31	41.156	-0.754	0.2	0.0000	0.0000	OK
30 minute summer	SWMH-01	22	43.946	0.076	1.4	0.1014	0.0000	OK
30 minute summer	CWMH-02	22	43.857	0.012	0.3	0.0000	0.0000	OK
30 minute summer	DUMMY	17	41.945	0.010	0.2	0.0003	0.0000	OK
30 minute summer	SWMH-02	21	43.946	0.026	0.2	0.0291	0.0000	OK
30 minute summer	TANK	22	43.946	0.046	1.6	0.2604	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
30 minute summer	SWPC-01	Pump		0.0				0.0
30 minute summer	SWMH-01	Pipe 1	CWMH-02	0.3	0.523	0.031	0.0006	0.7
30 minute summer	DUMMY	Pipe 2	SWPC-01	0.2	0.478	0.021	0.0004	
30 minute summer	SWMH-02	Pipe 4	TANK	0.2	0.171	0.010	0.0033	
30 minute summer	TANK	Pipe 3	SWMH-01	-1.3	0.326	-0.045	0.0071	



Results for 1 year 30 minute winter. 210 minute analysis at 1 minute timestep. Mass balance: 89.97%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
30 minute winter	SWPC-01	33	41.162	-0.748	0.1	0.0000	0.0000	OK
30 minute winter	SWMH-01	23	43.945	0.075	2.0	0.1003	0.0000	OK
30 minute winter	CWMH-02	23	43.857	0.012	0.3	0.0000	0.0000	OK
30 minute winter	DUMMY	21	41.942	0.007	0.1	0.0002	0.0000	OK
30 minute winter	SWMH-02	23	43.945	0.025	0.2	0.0281	0.0000	OK
30 minute winter	TANK	23	43.945	0.045	1.1	0.2558	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
30 minute winter	SWPC-01	Pump		0.0				0.0
30 minute winter	SWMH-01	Pipe 1	CWMH-02	0.3	0.523	0.031	0.0006	0.7
30 minute winter	DUMMY	Pipe 2	SWPC-01	0.1	0.390	0.010	0.0003	
30 minute winter	SWMH-02	Pipe 4	TANK	0.3	0.159	0.010	0.0032	
30 minute winter	TANK	Pipe 3	SWMH-01	2.0	0.394	0.066	0.0070	



Results for 1 year 60 minute summer. 240 minute analysis at 1 minute timestep. Mass balance: 91.94%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
60 minute summer	SWPC-01	48	41.162	-0.748	0.1	0.0000	0.0000	OK
60 minute summer	SWMH-01	39	43.946	0.076	1.3	0.1023	0.0000	OK
60 minute summer	CWMH-02	39	43.857	0.012	0.3	0.0000	0.0000	OK
60 minute summer	DUMMY	36	41.942	0.007	0.1	0.0002	0.0000	OK
60 minute summer	SWMH-02	38	43.946	0.026	0.1	0.0298	0.0000	OK
60 minute summer	TANK	39	43.946	0.046	0.8	0.2642	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
60 minute summer	SWPC-01	Pump		0.0				0.0
60 minute summer	SWMH-01	Pipe 1	CWMH-02	0.3	0.523	0.031	0.0006	0.9
60 minute summer	DUMMY	Pipe 2	SWPC-01	0.1	0.390	0.010	0.0003	
60 minute summer	SWMH-02	Pipe 4	TANK	-0.1	-0.106	-0.006	0.0033	
60 minute summer	TANK	Pipe 3	SWMH-01	1.3	0.345	0.042	0.0072	



Results for 1 year 60 minute winter. 240 minute analysis at 1 minute timestep. Mass balance: 89.65%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
60 minute winter	SWPC-01	44	41.185	-0.725	0.1	0.0000	0.0000	OK
60 minute winter	SWMH-01	42	43.942	0.072	1.5	0.0959	0.0000	OK
60 minute winter	CWMH-02	42	43.857	0.012	0.3	0.0000	0.0000	OK
60 minute winter	DUMMY	34	41.942	0.007	0.1	0.0002	0.0000	OK
60 minute winter	SWMH-02	42	43.942	0.022	0.1	0.0244	0.0000	OK
60 minute winter	TANK	42	43.942	0.042	1.0	0.2368	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
60 minute winter	SWPC-01	Pump		0.0				0.0
60 minute winter	SWMH-01	Pipe 1	CWMH-02	0.3	0.520	0.030	0.0006	0.9
60 minute winter	DUMMY	Pipe 2	SWPC-01	0.1	0.390	0.010	0.0003	
60 minute winter	SWMH-02	Pipe 4	TANK	0.2	0.151	0.008	0.0028	
60 minute winter	TANK	Pipe 3	SWMH-01	1.4	0.357	0.047	0.0065	



Results for 1 year 120 minute summer. 300 minute analysis at 2 minute timestep. Mass balance: 92.72%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
120 minute summer	SWPC-01	80	41.180	-0.730	0.1	0.0000	0.0000	OK
120 minute summer	SWMH-01	86	43.938	0.068	1.0	0.0913	0.0000	OK
120 minute summer	CWMH-02	72	43.857	0.012	0.3	0.0000	0.0000	OK
120 minute summer	DUMMY	64	41.942	0.007	0.1	0.0002	0.0000	OK
120 minute summer	SWMH-02	72	43.938	0.018	0.1	0.0198	0.0000	OK
120 minute summer	TANK	72	43.938	0.038	0.6	0.2140	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
120 minute summer	SWPC-01	Pump		0.0				0.0
120 minute summer	SWMH-01	Pipe 1	CWMH-02	0.3	0.515	0.029	0.0005	1.2
120 minute summer	DUMMY	Pipe 2	SWPC-01	0.1	0.390	0.010	0.0003	
120 minute summer	SWMH-02	Pipe 4	TANK	0.1	0.082	0.003	0.0023	
120 minute summer	TANK	Pipe 3	SWMH-01	0.9	0.260	0.030	0.0059	



Results for 1 year 120 minute winter. 300 minute analysis at 2 minute timestep. Mass balance: 94.12%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute winter	SWPC-01	78	41.156	-0.754	0.1	0.0000	0.0000	OK
120 minute winter	SWMH-01	74	43.931	0.061	1.1	0.0822	0.0000	OK
120 minute winter	CWMH-02	76	43.856	0.011	0.3	0.0000	0.0000	OK
120 minute winter	DUMMY	64	41.942	0.007	0.1	0.0002	0.0000	OK
120 minute winter	SWMH-02	74	43.931	0.011	0.0	0.0128	0.0000	OK
120 minute winter	TANK	74	43.931	0.031	0.6	0.1787	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	SWPC-01	Pump		0.0				0.0
120 minute winter	SWMH-01	Pipe 1	CWMH-02	0.3	0.505	0.027	0.0005	1.2
120 minute winter	DUMMY	Pipe 2	SWPC-01	0.1	0.390	0.010	0.0003	
120 minute winter	SWMH-02	Pipe 4	TANK	0.0	0.039	0.001	0.0016	
120 minute winter	TANK	Pipe 3	SWMH-01	1.0	0.306	0.034	0.0050	



Results for 1 year 180 minute summer. 360 minute analysis at 4 minute timestep. Mass balance: 94.33%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
180 minute summer	SWPC-01	112	41.156	-0.754	0.1	0.0000	0.0000	OK
180 minute summer	SWMH-01	104	43.933	0.063	1.0	0.0841	0.0000	OK
180 minute summer	CWMH-02	104	43.857	0.012	0.3	0.0000	0.0000	OK
180 minute summer	DUMMY	96	41.942	0.007	0.1	0.0002	0.0000	OK
180 minute summer	SWMH-02	104	43.933	0.013	0.0	0.0144	0.0000	OK
180 minute summer	TANK	104	43.933	0.033	0.4	0.1866	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
180 minute summer	SWPC-01	Pump		0.0				0.0
180 minute summer	SWMH-01	Pipe 1	CWMH-02	0.3	0.508	0.028	0.0005	1.2
180 minute summer	DUMMY	Pipe 2	SWPC-01	0.1	0.390	0.010	0.0003	
180 minute summer	SWMH-02	Pipe 4	TANK	0.0	-0.052	0.002	0.0018	
180 minute summer	TANK	Pipe 3	SWMH-01	0.9	0.300	0.031	0.0052	



Results for 1 year 180 minute winter. 360 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	SWPC-01	4	41.085	-0.825	0.0	0.0000	0.0000	OK
180 minute winter	SWMH-01	120	43.925	0.055	0.9	0.0735	0.0000	OK
180 minute winter	CWMH-02	104	43.856	0.011	0.2	0.0000	0.0000	OK
180 minute winter	DUMMY	4	41.935	0.000	0.0	0.0000	0.0000	OK
180 minute winter	SWMH-02	104	43.923	0.003	0.0	0.0032	0.0000	OK
180 minute winter	TANK	104	43.923	0.023	0.4	0.1300	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	SWPC-01	Pump		0.0				0.0
180 minute winter	SWMH-01	Pipe 1	CWMH-02	0.2	0.488	0.024	0.0005	1.3
180 minute winter	DUMMY	Pipe 2	SWPC-01	0.0	0.000	0.000	0.0000	
180 minute winter	SWMH-02	Pipe 4	TANK	0.0	-0.016	0.000	0.0009	
180 minute winter	TANK	Pipe 3	SWMH-01	0.8	0.242	0.026	0.0038	



Results for 1 year 240 minute summer. 420 minute analysis at 4 minute timestep. Mass balance: 96.05%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
240 minute summer	SWPC-01	140	41.132	-0.778	0.1	0.0000	0.0000	OK
240 minute summer	SWMH-01	132	43.928	0.058	0.5	0.0774	0.0000	OK
240 minute summer	CWMH-02	136	43.856	0.011	0.3	0.0000	0.0000	OK
240 minute summer	DUMMY	124	41.942	0.007	0.1	0.0002	0.0000	OK
240 minute summer	SWMH-02	132	43.928	0.008	0.0	0.0088	0.0000	OK
240 minute summer	TANK	132	43.928	0.028	0.3	0.1583	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
240 minute summer	SWPC-01	Pump		0.0				0.0
240 minute summer	SWMH-01	Pipe 1	CWMH-02	0.3	0.498	0.026	0.0005	1.2
240 minute summer	DUMMY	Pipe 2	SWPC-01	0.1	0.390	0.010	0.0003	
240 minute summer	SWMH-02	Pipe 4	TANK	0.0	-0.039	-0.001	0.0013	
240 minute summer	TANK	Pipe 3	SWMH-01	0.4	0.175	0.014	0.0045	



Results for 1 year 240 minute winter. 420 minute analysis at 4 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute winter	SWPC-01	4	41.085	-0.825	0.0	0.0000	0.0000	OK
240 minute winter	SWMH-01	148	43.914	0.044	0.2	0.0592	0.0000	OK
240 minute winter	CWMH-02	148	43.855	0.010	0.2	0.0000	0.0000	OK
240 minute winter	DUMMY	4	41.935	0.000	0.0	0.0000	0.0000	OK
240 minute winter	SWMH-02	4	43.920	0.000	0.0	0.0000	0.0000	OK
240 minute winter	TANK	148	43.914	0.014	0.1	0.0808	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	SWPC-01	Pump		0.0				0.0
240 minute winter	SWMH-01	Pipe 1	CWMH-02	0.2	0.462	0.020	0.0004	1.1
240 minute winter	DUMMY	Pipe 2	SWPC-01	0.0	0.000	0.000	0.0000	
240 minute winter	SWMH-02	Pipe 4	TANK	0.0	0.000	0.000	0.0004	
240 minute winter	TANK	Pipe 3	SWMH-01	-0.1	-0.056	-0.004	0.0027	



Results for 1 year 360 minute summer. 544 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 (m ³)	Flood (m ³)	Status
360 minute summer	SWPC-01	8	41.085	-0.825	0.0	0.0000	0.0000	OK
360 minute summer	SWMH-01	192	43.917	0.047	0.5	0.0631	0.0000	OK
360 minute summer	CWMH-02	192	43.855	0.010	0.2	0.0000	0.0000	OK
360 minute summer	DUMMY	8	41.935	0.000	0.0	0.0000	0.0000	OK
360 minute summer	SWMH-02	8	43.920	0.000	0.0	0.0000	0.0000	OK
360 minute summer	TANK	192	43.917	0.017	0.1	0.0975	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
360 minute summer	SWPC-01	Pump		0.0				0.0
360 minute summer	SWMH-01	Pipe 1	CWMH-02	0.2	0.471	0.021	0.0004	1.2
360 minute summer	DUMMY	Pipe 2	SWPC-01	0.0	0.000	0.000	0.0000	
360 minute summer	SWMH-02	Pipe 4	TANK	0.0	0.000	0.000	0.0006	
360 minute summer	TANK	Pipe 3	SWMH-01	0.4	0.168	0.013	0.0031	



Results for 1 year 360 minute winter. 544 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	SWPC-01	8	41.085	-0.825	0.0	0.0000	0.0000	OK
360 minute winter	SWMH-01	208	43.914	0.044	0.2	0.0590	0.0000	OK
360 minute winter	CWMH-02	208	43.855	0.010	0.2	0.0000	0.0000	OK
360 minute winter	DUMMY	8	41.935	0.000	0.0	0.0000	0.0000	OK
360 minute winter	SWMH-02	8	43.920	0.000	0.0	0.0000	0.0000	OK
360 minute winter	TANK	208	43.914	0.014	0.2	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)
360 minute winter	SWPC-01	Pump		0.0				0.0
360 minute winter	SWMH-01	Pipe 1	CWMH-02	0.2	0.462	0.020	0.0004	1.3
360 minute winter	DUMMY	Pipe 2	SWPC-01	0.0	0.000	0.000	0.0000	
360 minute winter	SWMH-02	Pipe 4	TANK	0.0	0.000	0.000	0.0004	
360 minute winter	TANK	Pipe 3	SWMH-01	-0.2	-0.104	-0.007	0.0027	



Results for 1 year 480 minute summer. 664 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 (m ³)	Flood (m ³)	Status
480 minute summer	SWPC-01	8	41.085	-0.825	0.0	0.0000	0.0000	OK
480 minute summer	SWMH-01	272	43.914	0.044	0.2	0.0587	0.0000	OK
480 minute summer	CWMH-02	264	43.855	0.010	0.2	0.0000	0.0000	OK
480 minute summer	DUMMY	8	41.935	0.000	0.0	0.0000	0.0000	OK
480 minute summer	SWMH-02	8	43.920	0.000	0.0	0.0000	0.0000	OK
480 minute summer	TANK	264	43.913	0.013	0.1	0.0756	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
480 minute summer	SWPC-01	Pump		0.0				0.0
480 minute summer	SWMH-01	Pipe 1	CWMH-02	0.2	0.459	0.019	0.0004	1.2
480 minute summer	DUMMY	Pipe 2	SWPC-01	0.0	0.000	0.000	0.0000	
480 minute summer	SWMH-02	Pipe 4	TANK	0.0	0.000	0.000	0.0004	
480 minute summer	TANK	Pipe 3	SWMH-01	0.1	0.052	0.003	0.0026	



Results for 1 year 480 minute winter. 664 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	SWPC-01	8	41.085	-0.825	0.0	0.0000	0.0000	OK
480 minute winter	SWMH-01	224	43.898	0.028	0.1	0.0373	0.0000	OK
480 minute winter	CWMH-02	224	43.852	0.007	0.1	0.0000	0.0000	OK
480 minute winter	DUMMY	8	41.935	0.000	0.0	0.0000	0.0000	OK
480 minute winter	SWMH-02	8	43.920	0.000	0.0	0.0000	0.0000	OK
480 minute winter	TANK	8	43.900	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute winter	SWPC-01	Pump		0.0				0.0
480 minute winter	SWMH-01	Pipe 1	CWMH-02	0.1	0.384	0.010	0.0003	1.1
480 minute winter	DUMMY	Pipe 2	SWPC-01	0.0	0.000	0.000	0.0000	
480 minute winter	SWMH-02	Pipe 4	TANK	0.0	0.000	0.000	0.0000	
480 minute winter	TANK	Pipe 3	SWMH-01	0.0	0.000	0.000	0.0012	



Results for 1 year 600 minute summer. 780 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 (m ³)	Flood (m ³)	Status
600 minute summer	SWPC-01	15	41.085	-0.825	0.0	0.0000	0.0000	OK
600 minute summer	SWMH-01	315	43.909	0.039	0.2	0.0529	0.0000	OK
600 minute summer	CWMH-02	315	43.854	0.009	0.2	0.0000	0.0000	OK
600 minute summer	DUMMY	15	41.935	0.000	0.0	0.0000	0.0000	OK
600 minute summer	SWMH-02	15	43.920	0.000	0.0	0.0000	0.0000	OK
600 minute summer	TANK	315	43.909	0.009	0.1	0.0538	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
600 minute summer	SWPC-01	Pump		0.0				0.0
600 minute summer	SWMH-01	Pipe 1	CWMH-02	0.2	0.446	0.017	0.0004	1.3
600 minute summer	DUMMY	Pipe 2	SWPC-01	0.0	0.000	0.000	0.0000	
600 minute summer	SWMH-02	Pipe 4	TANK	0.0	0.000	0.000	0.0002	
600 minute summer	TANK	Pipe 3	SWMH-01	-0.1	-0.040	-0.002	0.0022	



Results for 1 year 600 minute winter. 780 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	SWPC-01	15	41.085	-0.825	0.0	0.0000	0.0000	OK
600 minute winter	SWMH-01	285	43.898	0.028	0.1	0.0373	0.0000	OK
600 minute winter	CWMH-02	285	43.852	0.007	0.1	0.0000	0.0000	OK
600 minute winter	DUMMY	15	41.935	0.000	0.0	0.0000	0.0000	OK
600 minute winter	SWMH-02	15	43.920	0.000	0.0	0.0000	0.0000	OK
600 minute winter	TANK	15	43.900	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute winter	SWPC-01	Pump		0.0				0.0
600 minute winter	SWMH-01	Pipe 1	CWMH-02	0.1	0.384	0.010	0.0003	1.3
600 minute winter	DUMMY	Pipe 2	SWPC-01	0.0	0.000	0.000	0.0000	
600 minute winter	SWMH-02	Pipe 4	TANK	0.0	0.000	0.000	0.0000	
600 minute winter	TANK	Pipe 3	SWMH-01	0.0	0.000	0.000	0.0012	



Results for 1 year 720 minute summer. 900 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 (m ³)	Flood (m ³)	Status
720 minute summer	SWPC-01	15	41.085	-0.825	0.0	0.0000	0.0000	OK
720 minute summer	SWMH-01	375	43.909	0.039	0.2	0.0529	0.0000	OK
720 minute summer	CWMH-02	375	43.854	0.009	0.2	0.0000	0.0000	OK
720 minute summer	DUMMY	15	41.935	0.000	0.0	0.0000	0.0000	OK
720 minute summer	SWMH-02	15	43.920	0.000	0.0	0.0000	0.0000	OK
720 minute summer	TANK	375	43.909	0.009	0.1	0.0538	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
720 minute summer	SWPC-01	Pump		0.0				0.0
720 minute summer	SWMH-01	Pipe 1	CWMH-02	0.2	0.446	0.017	0.0004	1.3
720 minute summer	DUMMY	Pipe 2	SWPC-01	0.0	0.000	0.000	0.0000	
720 minute summer	SWMH-02	Pipe 4	TANK	0.0	0.000	0.000	0.0002	
720 minute summer	TANK	Pipe 3	SWMH-01	-0.1	-0.040	-0.002	0.0022	



Results for 1 year 720 minute winter. 900 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	SWPC-01	15	41.085	-0.825	0.0	0.0000	0.0000	OK
720 minute winter	SWMH-01	330	43.898	0.028	0.1	0.0373	0.0000	OK
720 minute winter	CWMH-02	330	43.852	0.007	0.1	0.0000	0.0000	OK
720 minute winter	DUMMY	15	41.935	0.000	0.0	0.0000	0.0000	OK
720 minute winter	SWMH-02	15	43.920	0.000	0.0	0.0000	0.0000	OK
720 minute winter	TANK	15	43.900	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute winter	SWPC-01	Pump		0.0				0.0
720 minute winter	SWMH-01	Pipe 1	CWMH-02	0.1	0.384	0.010	0.0003	1.4
720 minute winter	DUMMY	Pipe 2	SWPC-01	0.0	0.000	0.000	0.0000	
720 minute winter	SWMH-02	Pipe 4	TANK	0.0	0.000	0.000	0.0000	
720 minute winter	TANK	Pipe 3	SWMH-01	0.0	0.000	0.000	0.0012	



Results for 1 year 960 minute summer. 1140 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 (m ³)	Flood (m ³)	Status
960 minute summer	SWPC-01	15	41.085	-0.825	0.0	0.0000	0.0000	OK
960 minute summer	SWMH-01	465	43.898	0.028	0.1	0.0373	0.0000	OK
960 minute summer	CWMH-02	465	43.852	0.007	0.1	0.0000	0.0000	OK
960 minute summer	DUMMY	15	41.935	0.000	0.0	0.0000	0.0000	OK
960 minute summer	SWMH-02	15	43.920	0.000	0.0	0.0000	0.0000	OK
960 minute summer	TANK	15	43.900	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
960 minute summer	SWPC-01	Pump		0.0				0.0
960 minute summer	SWMH-01	Pipe 1	CWMH-02	0.1	0.384	0.010	0.0003	1.3
960 minute summer	DUMMY	Pipe 2	SWPC-01	0.0	0.000	0.000	0.0000	
960 minute summer	SWMH-02	Pipe 4	TANK	0.0	0.000	0.000	0.0000	
960 minute summer	TANK	Pipe 3	SWMH-01	0.0	0.000	0.000	0.0012	



Results for 1 year 960 minute winter. 1140 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	SWPC-01	15	41.085	-0.825	0.0	0.0000	0.0000	OK
960 minute winter	SWMH-01	435	43.898	0.028	0.1	0.0373	0.0000	OK
960 minute winter	CWMH-02	435	43.852	0.007	0.1	0.0000	0.0000	OK
960 minute winter	DUMMY	15	41.935	0.000	0.0	0.0000	0.0000	OK
960 minute winter	SWMH-02	15	43.920	0.000	0.0	0.0000	0.0000	OK
960 minute winter	TANK	15	43.900	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute winter	SWPC-01	Pump		0.0				0.0
960 minute winter	SWMH-01	Pipe 1	CWMH-02	0.1	0.384	0.010	0.0003	1.6
960 minute winter	DUMMY	Pipe 2	SWPC-01	0.0	0.000	0.000	0.0000	
960 minute winter	SWMH-02	Pipe 4	TANK	0.0	0.000	0.000	0.0000	
960 minute winter	TANK	Pipe 3	SWMH-01	0.0	0.000	0.000	0.0012	



Results for 1 year 1440 minute summer. 1620 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	SWPC-01	30	41.085	-0.825	0.0	0.0000	0.0000	OK
1440 minute summer	SWMH-01	720	43.898	0.028	0.1	0.0373	0.0000	OK
1440 minute summer	CWMH-02	720	43.852	0.007	0.1	0.0000	0.0000	OK
1440 minute summer	DUMMY	30	41.935	0.000	0.0	0.0000	0.0000	OK
1440 minute summer	SWMH-02	30	43.920	0.000	0.0	0.0000	0.0000	OK
1440 minute summer	TANK	30	43.900	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute summer	SWPC-01	Pump		0.0				0.0
1440 minute summer	SWMH-01	Pipe 1	CWMH-02	0.1	0.384	0.010	0.0003	1.5
1440 minute summer	DUMMY	Pipe 2	SWPC-01	0.0	0.000	0.000	0.0000	
1440 minute summer	SWMH-02	Pipe 4	TANK	0.0	0.000	0.000	0.0000	
1440 minute summer	TANK	Pipe 3	SWMH-01	0.0	0.000	0.000	0.0012	



Results for 1 year 1440 minute winter. 1620 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	SWPC-01	30	41.085	-0.825	0.0	0.0000	0.0000	OK
1440 minute winter	SWMH-01	720	43.898	0.028	0.1	0.0373	0.0000	OK
1440 minute winter	CWMH-02	720	43.852	0.007	0.1	0.0000	0.0000	OK
1440 minute winter	DUMMY	30	41.935	0.000	0.0	0.0000	0.0000	OK
1440 minute winter	SWMH-02	30	43.920	0.000	0.0	0.0000	0.0000	OK
1440 minute winter	TANK	30	43.900	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute winter	SWPC-01	Pump		0.0				0.0
1440 minute winter	SWMH-01	Pipe 1	CWMH-02	0.1	0.384	0.010	0.0003	1.5
1440 minute winter	DUMMY	Pipe 2	SWPC-01	0.0	0.000	0.000	0.0000	
1440 minute winter	SWMH-02	Pipe 4	TANK	0.0	0.000	0.000	0.0000	
1440 minute winter	TANK	Pipe 3	SWMH-01	0.0	0.000	0.000	0.0012	



Results for 1 year 2160 minute summer. 2340 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
2160 minute summer	SWPC-01	60	41.085	-0.825	0.0	0.0000	0.0000	OK
2160 minute summer	SWMH-01	1080	43.898	0.028	0.1	0.0373	0.0000	OK
2160 minute summer	CWMH-02	1080	43.852	0.007	0.1	0.0000	0.0000	OK
2160 minute summer	DUMMY	60	41.935	0.000	0.0	0.0000	0.0000	OK
2160 minute summer	SWMH-02	60	43.920	0.000	0.0	0.0000	0.0000	OK
2160 minute summer	TANK	60	43.900	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
2160 minute summer	SWPC-01	Pump		0.0				0.0
2160 minute summer	SWMH-01	Pipe 1	CWMH-02	0.1	0.384	0.010	0.0003	1.5
2160 minute summer	DUMMY	Pipe 2	SWPC-01	0.0	0.000	0.000	0.0000	
2160 minute summer	SWMH-02	Pipe 4	TANK	0.0	0.000	0.000	0.0000	
2160 minute summer	TANK	Pipe 3	SWMH-01	0.0	0.000	0.000	0.0012	



Results for 1 year 2160 minute winter. 2340 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
2160 minute winter	SWPC-01	60	41.085	-0.825	0.0	0.0000	0.0000	OK
2160 minute winter	SWMH-01	60	43.870	0.000	0.0	0.0000	0.0000	OK
2160 minute winter	CWMH-02	60	43.845	0.000	0.0	0.0000	0.0000	OK
2160 minute winter	DUMMY	60	41.935	0.000	0.0	0.0000	0.0000	OK
2160 minute winter	SWMH-02	60	43.920	0.000	0.0	0.0000	0.0000	OK
2160 minute winter	TANK	60	43.900	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
2160 minute winter	SWPC-01	Pump		0.0				0.0
2160 minute winter	SWMH-01	Pipe 1	CWMH-02	0.0	0.000	0.000	0.0000	0.0
2160 minute winter	DUMMY	Pipe 2	SWPC-01	0.0	0.000	0.000	0.0000	
2160 minute winter	SWMH-02	Pipe 4	TANK	0.0	0.000	0.000	0.0000	
2160 minute winter	TANK	Pipe 3	SWMH-01	0.0	0.000	0.000	0.0000	



Results for 1 year 2880 minute summer. 3060 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute summer	SWPC-01	60	41.085	-0.825	0.0	0.0000	0.0000	OK
2880 minute summer	SWMH-01	1500	43.898	0.028	0.1	0.0373	0.0000	OK
2880 minute summer	CWMH-02	1500	43.852	0.007	0.1	0.0000	0.0000	OK
2880 minute summer	DUMMY	60	41.935	0.000	0.0	0.0000	0.0000	OK
2880 minute summer	SWMH-02	60	43.920	0.000	0.0	0.0000	0.0000	OK
2880 minute summer	TANK	60	43.900	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute summer	SWPC-01	Pump		0.0				0.0
2880 minute summer	SWMH-01	Pipe 1	CWMH-02	0.1	0.384	0.010	0.0003	0.7
2880 minute summer	DUMMY	Pipe 2	SWPC-01	0.0	0.000	0.000	0.0000	
2880 minute summer	SWMH-02	Pipe 4	TANK	0.0	0.000	0.000	0.0000	
2880 minute summer	TANK	Pipe 3	SWMH-01	0.0	0.000	0.000	0.0012	



Results for 1 year 2880 minute winter. 3060 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
2880 minute winter	SWPC-01	60	41.085	-0.825	0.0	0.0000	0.0000	OK
2880 minute winter	SWMH-01	60	43.870	0.000	0.0	0.0000	0.0000	OK
2880 minute winter	CWMH-02	60	43.845	0.000	0.0	0.0000	0.0000	OK
2880 minute winter	DUMMY	60	41.935	0.000	0.0	0.0000	0.0000	OK
2880 minute winter	SWMH-02	60	43.920	0.000	0.0	0.0000	0.0000	OK
2880 minute winter	TANK	60	43.900	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
2880 minute winter	SWPC-01	Pump		0.0				0.0
2880 minute winter	SWMH-01	Pipe 1	CWMH-02	0.0	0.000	0.000	0.0000	0.0
2880 minute winter	DUMMY	Pipe 2	SWPC-01	0.0	0.000	0.000	0.0000	
2880 minute winter	SWMH-02	Pipe 4	TANK	0.0	0.000	0.000	0.0000	
2880 minute winter	TANK	Pipe 3	SWMH-01	0.0	0.000	0.000	0.0000	



Results for 1 year 4320 minute summer. 4500 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
4320 minute summer	SWPC-01	60	41.085	-0.825	0.0	0.0000	0.0000	OK
4320 minute summer	SWMH-01	60	43.870	0.000	0.0	0.0000	0.0000	OK
4320 minute summer	CWMH-02	60	43.845	0.000	0.0	0.0000	0.0000	OK
4320 minute summer	DUMMY	60	41.935	0.000	0.0	0.0000	0.0000	OK
4320 minute summer	SWMH-02	60	43.920	0.000	0.0	0.0000	0.0000	OK
4320 minute summer	TANK	60	43.900	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
4320 minute summer	SWPC-01	Pump		0.0				0.0
4320 minute summer	SWMH-01	Pipe 1	CWMH-02	0.0	0.000	0.000	0.0000	0.0
4320 minute summer	DUMMY	Pipe 2	SWPC-01	0.0	0.000	0.000	0.0000	
4320 minute summer	SWMH-02	Pipe 4	TANK	0.0	0.000	0.000	0.0000	
4320 minute summer	TANK	Pipe 3	SWMH-01	0.0	0.000	0.000	0.0000	



Results for 1 year 4320 minute winter. 4500 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
4320 minute winter	SWPC-01	60	41.085	-0.825	0.0	0.0000	0.0000	OK
4320 minute winter	SWMH-01	60	43.870	0.000	0.0	0.0000	0.0000	OK
4320 minute winter	CWMH-02	60	43.845	0.000	0.0	0.0000	0.0000	OK
4320 minute winter	DUMMY	60	41.935	0.000	0.0	0.0000	0.0000	OK
4320 minute winter	SWMH-02	60	43.920	0.000	0.0	0.0000	0.0000	OK
4320 minute winter	TANK	60	43.900	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
4320 minute winter	SWPC-01	Pump		0.0				0.0
4320 minute winter	SWMH-01	Pipe 1	CWMH-02	0.0	0.000	0.000	0.0000	0.0
4320 minute winter	DUMMY	Pipe 2	SWPC-01	0.0	0.000	0.000	0.0000	
4320 minute winter	SWMH-02	Pipe 4	TANK	0.0	0.000	0.000	0.0000	
4320 minute winter	TANK	Pipe 3	SWMH-01	0.0	0.000	0.000	0.0000	



Results for 1 year 5760 minute summer. 5940 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
5760 minute summer	SWPC-01	60	41.085	-0.825	0.0	0.0000	0.0000	OK
5760 minute summer	SWMH-01	60	43.870	0.000	0.0	0.0000	0.0000	OK
5760 minute summer	CWMH-02	60	43.845	0.000	0.0	0.0000	0.0000	OK
5760 minute summer	DUMMY	60	41.935	0.000	0.0	0.0000	0.0000	OK
5760 minute summer	SWMH-02	60	43.920	0.000	0.0	0.0000	0.0000	OK
5760 minute summer	TANK	60	43.900	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
5760 minute summer	SWPC-01	Pump		0.0				0.0
5760 minute summer	SWMH-01	Pipe 1	CWMH-02	0.0	0.000	0.000	0.0000	0.0
5760 minute summer	DUMMY	Pipe 2	SWPC-01	0.0	0.000	0.000	0.0000	
5760 minute summer	SWMH-02	Pipe 4	TANK	0.0	0.000	0.000	0.0000	
5760 minute summer	TANK	Pipe 3	SWMH-01	0.0	0.000	0.000	0.0000	



Results for 1 year 5760 minute winter. 5940 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
5760 minute winter	SWPC-01	60	41.085	-0.825	0.0	0.0000	0.0000	OK
5760 minute winter	SWMH-01	60	43.870	0.000	0.0	0.0000	0.0000	OK
5760 minute winter	CWMH-02	60	43.845	0.000	0.0	0.0000	0.0000	OK
5760 minute winter	DUMMY	60	41.935	0.000	0.0	0.0000	0.0000	OK
5760 minute winter	SWMH-02	60	43.920	0.000	0.0	0.0000	0.0000	OK
5760 minute winter	TANK	60	43.900	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
5760 minute winter	SWPC-01	Pump		0.0				0.0
5760 minute winter	SWMH-01	Pipe 1	CWMH-02	0.0	0.000	0.000	0.0000	0.0
5760 minute winter	DUMMY	Pipe 2	SWPC-01	0.0	0.000	0.000	0.0000	
5760 minute winter	SWMH-02	Pipe 4	TANK	0.0	0.000	0.000	0.0000	
5760 minute winter	TANK	Pipe 3	SWMH-01	0.0	0.000	0.000	0.0000	



Results for 1 year 7200 minute summer. 7380 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
7200 minute summer	SWPC-01	60	41.085	-0.825	0.0	0.0000	0.0000	OK
7200 minute summer	SWMH-01	60	43.870	0.000	0.0	0.0000	0.0000	OK
7200 minute summer	CWMH-02	60	43.845	0.000	0.0	0.0000	0.0000	OK
7200 minute summer	DUMMY	60	41.935	0.000	0.0	0.0000	0.0000	OK
7200 minute summer	SWMH-02	60	43.920	0.000	0.0	0.0000	0.0000	OK
7200 minute summer	TANK	60	43.900	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
7200 minute summer	SWPC-01	Pump		0.0				0.0
7200 minute summer	SWMH-01	Pipe 1	CWMH-02	0.0	0.000	0.000	0.0000	0.0
7200 minute summer	DUMMY	Pipe 2	SWPC-01	0.0	0.000	0.000	0.0000	
7200 minute summer	SWMH-02	Pipe 4	TANK	0.0	0.000	0.000	0.0000	
7200 minute summer	TANK	Pipe 3	SWMH-01	0.0	0.000	0.000	0.0000	



Results for 1 year 7200 minute winter. 7380 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
7200 minute winter	SWPC-01	60	41.085	-0.825	0.0	0.0000	0.0000	OK
7200 minute winter	SWMH-01	60	43.870	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	CWMH-02	60	43.845	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	DUMMY	60	41.935	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	SWMH-02	60	43.920	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	TANK	60	43.900	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
7200 minute winter	SWPC-01	Pump		0.0				0.0
7200 minute winter	SWMH-01	Pipe 1	CWMH-02	0.0	0.000	0.000	0.0000	0.0
7200 minute winter	DUMMY	Pipe 2	SWPC-01	0.0	0.000	0.000	0.0000	
7200 minute winter	SWMH-02	Pipe 4	TANK	0.0	0.000	0.000	0.0000	
7200 minute winter	TANK	Pipe 3	SWMH-01	0.0	0.000	0.000	0.0000	



Results for 1 year 8640 minute summer. 8820 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
8640 minute summer	SWPC-01	60	41.085	-0.825	0.0	0.0000	0.0000	OK
8640 minute summer	SWMH-01	60	43.870	0.000	0.0	0.0000	0.0000	OK
8640 minute summer	CWMH-02	60	43.845	0.000	0.0	0.0000	0.0000	OK
8640 minute summer	DUMMY	60	41.935	0.000	0.0	0.0000	0.0000	OK
8640 minute summer	SWMH-02	60	43.920	0.000	0.0	0.0000	0.0000	OK
8640 minute summer	TANK	60	43.900	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
8640 minute summer	SWPC-01	Pump		0.0				0.0
8640 minute summer	SWMH-01	Pipe 1	CWMH-02	0.0	0.000	0.000	0.0000	0.0
8640 minute summer	DUMMY	Pipe 2	SWPC-01	0.0	0.000	0.000	0.0000	
8640 minute summer	SWMH-02	Pipe 4	TANK	0.0	0.000	0.000	0.0000	
8640 minute summer	TANK	Pipe 3	SWMH-01	0.0	0.000	0.000	0.0000	



Results for 1 year 8640 minute winter. 8820 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
8640 minute winter	SWPC-01	60	41.085	-0.825	0.0	0.0000	0.0000	OK
8640 minute winter	SWMH-01	60	43.870	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	CWMH-02	60	43.845	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	DUMMY	60	41.935	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	SWMH-02	60	43.920	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	TANK	60	43.900	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
8640 minute winter	SWPC-01	Pump		0.0				0.0
8640 minute winter	SWMH-01	Pipe 1	CWMH-02	0.0	0.000	0.000	0.0000	0.0
8640 minute winter	DUMMY	Pipe 2	SWPC-01	0.0	0.000	0.000	0.0000	
8640 minute winter	SWMH-02	Pipe 4	TANK	0.0	0.000	0.000	0.0000	
8640 minute winter	TANK	Pipe 3	SWMH-01	0.0	0.000	0.000	0.0000	



Results for 1 year 10080 minute summer. 10260 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
10080 minute summer	SWPC-01	60	41.085	-0.825	0.0	0.0000	0.0000	OK
10080 minute summer	SWMH-01	60	43.870	0.000	0.0	0.0000	0.0000	OK
10080 minute summer	CWMH-02	60	43.845	0.000	0.0	0.0000	0.0000	OK
10080 minute summer	DUMMY	60	41.935	0.000	0.0	0.0000	0.0000	OK
10080 minute summer	SWMH-02	60	43.920	0.000	0.0	0.0000	0.0000	OK
10080 minute summer	TANK	60	43.900	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
10080 minute summer	SWPC-01	Pump		0.0				0.0
10080 minute summer	SWMH-01	Pipe 1	CWMH-02	0.0	0.000	0.000	0.0000	0.0
10080 minute summer	DUMMY	Pipe 2	SWPC-01	0.0	0.000	0.000	0.0000	
10080 minute summer	SWMH-02	Pipe 4	TANK	0.0	0.000	0.000	0.0000	
10080 minute summer	TANK	Pipe 3	SWMH-01	0.0	0.000	0.000	0.0000	



Results for 1 year 10080 minute winter. 10260 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
10080 minute winter	SWPC-01	60	41.085	-0.825	0.0	0.0000	0.0000	OK
10080 minute winter	SWMH-01	60	43.870	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	CWMH-02	60	43.845	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	DUMMY	60	41.935	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	SWMH-02	60	43.920	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	TANK	60	43.900	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
10080 minute winter	SWPC-01	Pump		0.0				0.0
10080 minute winter	SWMH-01	Pipe 1	CWMH-02	0.0	0.000	0.000	0.0000	0.0
10080 minute winter	DUMMY	Pipe 2	SWPC-01	0.0	0.000	0.000	0.0000	
10080 minute winter	SWMH-02	Pipe 4	TANK	0.0	0.000	0.000	0.0000	
10080 minute winter	TANK	Pipe 3	SWMH-01	0.0	0.000	0.000	0.0000	



Results for 30 year 15 minute summer. 195 minute analysis at 1 minute timestep. Mass balance: 90.12%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	SWPC-01	16	41.231	-0.679	0.6	0.0000	0.0000	OK
15 minute summer	SWMH-01	16	44.025	0.155	4.3	0.2077	0.0000	SURCHARGED
15 minute summer	CWMH-02	15	43.858	0.013	0.3	0.0000	0.0000	OK
15 minute summer	DUMMY	9	41.953	0.018	0.6	0.0006	0.0000	OK
15 minute summer	SWMH-02	16	44.025	0.105	0.8	0.1189	0.0000	OK
15 minute summer	TANK	16	44.025	0.125	3.4	0.7128	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	SWPC-01	Pump		0.1				0.0
15 minute summer	SWMH-01	Pipe 1	CWMH-02	0.3	0.538	0.034	0.0006	1.3
15 minute summer	DUMMY	Pipe 2	SWPC-01	0.6	0.653	0.062	0.0009	
15 minute summer	SWMH-02	Pipe 4	TANK	-0.8	-0.264	-0.031	0.0144	
15 minute summer	TANK	Pipe 3	SWMH-01	-3.4	-0.403	-0.114	0.0177	



Results for 30 year 15 minute winter. 195 minute analysis at 1 minute timestep. Mass balance: 89.62%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	SWPC-01	16	41.242	-0.668	0.5	0.0000	0.0000	OK
15 minute winter	SWMH-01	16	44.027	0.157	3.4	0.2110	0.0000	SURCHARGED
15 minute winter	CWMH-02	15	43.858	0.013	0.3	0.0000	0.0000	OK
15 minute winter	DUMMY	9	41.951	0.016	0.5	0.0005	0.0000	OK
15 minute winter	SWMH-02	16	44.028	0.108	0.8	0.1216	0.0000	OK
15 minute winter	TANK	16	44.027	0.127	2.7	0.7266	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	SWPC-01	Pump		0.1				0.0
15 minute winter	SWMH-01	Pipe 1	CWMH-02	0.3	0.538	0.034	0.0006	1.3
15 minute winter	DUMMY	Pipe 2	SWPC-01	0.5	0.621	0.052	0.0008	
15 minute winter	SWMH-02	Pipe 4	TANK	-0.8	-0.187	-0.030	0.0147	
15 minute winter	TANK	Pipe 3	SWMH-01	-2.7	-0.333	-0.091	0.0178	



Results for 30 year 30 minute summer. 210 minute analysis at 1 minute timestep. Mass balance: 91.16%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	SWPC-01	28	41.258	-0.652	0.5	0.0000	0.0000	OK
30 minute summer	SWMH-01	29	44.047	0.177	3.4	0.2375	0.0000	SURCHARGED
30 minute summer	CWMH-02	22	43.858	0.013	0.3	0.0000	0.0000	OK
30 minute summer	DUMMY	16	41.951	0.016	0.5	0.0005	0.0000	OK
30 minute summer	SWMH-02	29	44.047	0.127	0.4	0.1439	0.0000	OK
30 minute summer	TANK	29	44.047	0.147	2.6	0.8392	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	SWPC-01	Pump		0.1				0.1
30 minute summer	SWMH-01	Pipe 1	CWMH-02	0.3	0.538	0.034	0.0006	1.7
30 minute summer	DUMMY	Pipe 2	SWPC-01	0.5	0.610	0.049	0.0008	
30 minute summer	SWMH-02	Pipe 4	TANK	-0.4	0.187	-0.018	0.0167	
30 minute summer	TANK	Pipe 3	SWMH-01	-2.6	0.351	-0.087	0.0186	



Results for 30 year 30 minute winter. 210 minute analysis at 1 minute timestep. Mass balance: 91.26%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute winter	SWPC-01	29	41.259	-0.651	0.3	0.0000	0.0000	OK
30 minute winter	SWMH-01	29	44.051	0.181	2.4	0.2422	0.0000	SURCHARGED
30 minute winter	CWMH-02	22	43.858	0.013	0.3	0.0000	0.0000	OK
30 minute winter	DUMMY	18	41.948	0.013	0.3	0.0004	0.0000	OK
30 minute winter	SWMH-02	29	44.051	0.131	0.3	0.1479	0.0000	OK
30 minute winter	TANK	29	44.051	0.151	2.1	0.8594	0.0000	SURCHARGED
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute winter	SWPC-01	Pump		0.1				0.1
30 minute winter	SWMH-01	Pipe 1	CWMH-02	0.3	0.538	0.034	0.0006	1.7
30 minute winter	DUMMY	Pipe 2	SWPC-01	0.3	0.538	0.031	0.0006	
30 minute winter	SWMH-02	Pipe 4	TANK	0.4	0.189	0.017	0.0169	
30 minute winter	TANK	Pipe 3	SWMH-01	2.2	0.404	0.072	0.0187	



Results for 30 year 60 minute summer. 240 minute analysis at 1 minute timestep. Mass balance: 93.08%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
60 minute summer	SWPC-01	44	41.249	-0.661	0.3	0.0000	0.0000	OK
60 minute summer	SWMH-01	45	44.055	0.185	2.3	0.2477	0.0000	SURCHARGED
60 minute summer	CWMH-02	37	43.858	0.013	0.3	0.0000	0.0000	OK
60 minute summer	DUMMY	33	41.948	0.013	0.3	0.0004	0.0000	OK
60 minute summer	SWMH-02	45	44.055	0.135	0.3	0.1526	0.0000	OK
60 minute summer	TANK	45	44.055	0.155	2.1	0.8828	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
60 minute summer	SWPC-01	Pump		0.1				0.1
60 minute summer	SWMH-01	Pipe 1	CWMH-02	0.3	0.538	0.034	0.0006	2.1
60 minute summer	DUMMY	Pipe 2	SWPC-01	0.3	0.538	0.031	0.0006	
60 minute summer	SWMH-02	Pipe 4	TANK	0.5	0.180	0.018	0.0171	
60 minute summer	TANK	Pipe 3	SWMH-01	-1.7	0.318	-0.055	0.0187	



Results for 30 year 60 minute winter. 240 minute analysis at 1 minute timestep. Mass balance: 93.67%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	SWPC-01	44	41.238	-0.672	0.2	0.0000	0.0000	OK
60 minute winter	SWMH-01	47	44.054	0.184	2.3	0.2469	0.0000	SURCHARGED
60 minute winter	CWMH-02	38	43.858	0.013	0.3	0.0000	0.0000	OK
60 minute winter	DUMMY	32	41.945	0.010	0.2	0.0003	0.0000	OK
60 minute winter	SWMH-02	47	44.054	0.134	0.4	0.1519	0.0000	OK
60 minute winter	TANK	47	44.054	0.154	1.4	0.8797	0.0000	SURCHARGED
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute winter	SWPC-01	Pump		0.1				0.1
60 minute winter	SWMH-01	Pipe 1	CWMH-02	0.3	0.538	0.034	0.0006	2.2
60 minute winter	DUMMY	Pipe 2	SWPC-01	0.2	0.478	0.021	0.0004	
60 minute winter	SWMH-02	Pipe 4	TANK	-0.4	-0.165	-0.015	0.0171	
60 minute winter	TANK	Pipe 3	SWMH-01	2.3	0.364	0.077	0.0187	



Results for 30 year 120 minute summer. 300 minute analysis at 2 minute timestep. Mass balance: 95.04%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute summer	SWPC-01	74	41.223	-0.687	0.2	0.0000	0.0000	OK
120 minute summer	SWMH-01	80	44.043	0.173	1.9	0.2324	0.0000	SURCHARGED
120 minute summer	CWMH-02	70	43.858	0.013	0.3	0.0000	0.0000	OK
120 minute summer	DUMMY	62	41.945	0.010	0.2	0.0003	0.0000	OK
120 minute summer	SWMH-02	80	44.043	0.123	0.3	0.1396	0.0000	OK
120 minute summer	TANK	80	44.043	0.143	0.9	0.8175	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	SWPC-01	Pump		0.1				0.1
120 minute summer	SWMH-01	Pipe 1	CWMH-02	0.3	0.538	0.034	0.0006	2.6
120 minute summer	DUMMY	Pipe 2	SWPC-01	0.2	0.478	0.021	0.0004	
120 minute summer	SWMH-02	Pipe 4	TANK	-0.3	-0.127	-0.012	0.0164	
120 minute summer	TANK	Pipe 3	SWMH-01	1.9	0.395	0.062	0.0185	



Results for 30 year 120 minute winter. 300 minute analysis at 2 minute timestep. Mass balance: 96.50%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute winter	SWPC-01	56	41.185	-0.725	0.1	0.0000	0.0000	OK
120 minute winter	SWMH-01	86	44.034	0.164	2.2	0.2193	0.0000	SURCHARGED
120 minute winter	CWMH-02	74	43.858	0.013	0.3	0.0000	0.0000	OK
120 minute winter	DUMMY	48	41.942	0.007	0.1	0.0002	0.0000	OK
120 minute winter	SWMH-02	86	44.034	0.114	0.2	0.1285	0.0000	OK
120 minute winter	TANK	86	44.034	0.134	1.8	0.7618	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	SWPC-01	Pump		0.1				0.2
120 minute winter	SWMH-01	Pipe 1	CWMH-02	0.3	0.538	0.034	0.0006	2.6
120 minute winter	DUMMY	Pipe 2	SWPC-01	0.1	0.390	0.010	0.0003	
120 minute winter	SWMH-02	Pipe 4	TANK	0.4	0.205	0.016	0.0154	
120 minute winter	TANK	Pipe 3	SWMH-01	2.2	0.381	0.073	0.0181	



Results for 30 year 180 minute summer. 360 minute analysis at 4 minute timestep. Mass balance: 96.69%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute summer	SWPC-01	88	41.185	-0.725	0.1	0.0000	0.0000	OK
180 minute summer	SWMH-01	116	44.025	0.155	1.4	0.2073	0.0000	SURCHARGED
180 minute summer	CWMH-02	108	43.858	0.013	0.3	0.0000	0.0000	OK
180 minute summer	DUMMY	84	41.942	0.007	0.1	0.0002	0.0000	OK
180 minute summer	SWMH-02	116	44.025	0.105	0.2	0.1185	0.0000	OK
180 minute summer	TANK	116	44.025	0.125	1.1	0.7110	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	SWPC-01	Pump		0.1				0.2
180 minute summer	SWMH-01	Pipe 1	CWMH-02	0.3	0.538	0.034	0.0006	2.8
180 minute summer	DUMMY	Pipe 2	SWPC-01	0.1	0.390	0.010	0.0003	
180 minute summer	SWMH-02	Pipe 4	TANK	-0.2	-0.086	-0.006	0.0144	
180 minute summer	TANK	Pipe 3	SWMH-01	1.3	0.263	0.044	0.0176	



Results for 30 year 180 minute winter. 360 minute analysis at 4 minute timestep. Mass balance: 96.73%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute winter	SWPC-01	84	41.185	-0.725	0.1	0.0000	0.0000	OK
180 minute winter	SWMH-01	120	44.012	0.142	1.8	0.1900	0.0000	SURCHARGED
180 minute winter	CWMH-02	120	43.858	0.013	0.3	0.0000	0.0000	OK
180 minute winter	DUMMY	80	41.942	0.007	0.1	0.0002	0.0000	OK
180 minute winter	SWMH-02	120	44.012	0.092	0.2	0.1038	0.0000	OK
180 minute winter	TANK	120	44.012	0.112	0.3	0.6371	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	SWPC-01	Pump		0.1				0.2
180 minute winter	SWMH-01	Pipe 1	CWMH-02	0.3	0.538	0.034	0.0006	2.8
180 minute winter	DUMMY	Pipe 2	SWPC-01	0.1	0.390	0.010	0.0003	
180 minute winter	SWMH-02	Pipe 4	TANK	-0.2	-0.107	-0.008	0.0127	
180 minute winter	TANK	Pipe 3	SWMH-01	1.8	0.335	0.059	0.0166	



Results for 30 year 240 minute summer. 420 minute analysis at 4 minute timestep. Mass balance: 96.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute summer	SWPC-01	116	41.185	-0.725	0.1	0.0000	0.0000	OK
240 minute summer	SWMH-01	148	44.007	0.137	1.0	0.1840	0.0000	SURCHARGED
240 minute summer	CWMH-02	148	43.858	0.013	0.3	0.0000	0.0000	OK
240 minute summer	DUMMY	112	41.942	0.007	0.1	0.0002	0.0000	OK
240 minute summer	SWMH-02	148	44.007	0.087	0.1	0.0987	0.0000	OK
240 minute summer	TANK	148	44.007	0.107	1.2	0.6115	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	SWPC-01	Pump		0.1				0.2
240 minute summer	SWMH-01	Pipe 1	CWMH-02	0.3	0.538	0.034	0.0006	3.1
240 minute summer	DUMMY	Pipe 2	SWPC-01	0.1	0.390	0.010	0.0003	
240 minute summer	SWMH-02	Pipe 4	TANK	0.3	0.115	0.010	0.0121	
240 minute summer	TANK	Pipe 3	SWMH-01	-1.0	0.218	-0.033	0.0161	



Results for 30 year 240 minute winter. 420 minute analysis at 4 minute timestep. Mass balance: 96.94%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute winter	SWPC-01	112	41.185	-0.725	0.1	0.0000	0.0000	OK
240 minute winter	SWMH-01	152	43.983	0.113	1.0	0.1513	0.0000	SURCHARGED
240 minute winter	CWMH-02	152	43.858	0.013	0.3	0.0000	0.0000	OK
240 minute winter	DUMMY	108	41.942	0.007	0.1	0.0002	0.0000	OK
240 minute winter	SWMH-02	152	43.983	0.063	0.2	0.0711	0.0000	OK
240 minute winter	TANK	152	43.983	0.083	0.6	0.4725	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	SWPC-01	Pump		0.1				0.2
240 minute winter	SWMH-01	Pipe 1	CWMH-02	0.3	0.536	0.034	0.0006	3.0
240 minute winter	DUMMY	Pipe 2	SWPC-01	0.1	0.390	0.010	0.0003	
240 minute winter	SWMH-02	Pipe 4	TANK	-0.2	-0.103	-0.008	0.0085	
240 minute winter	TANK	Pipe 3	SWMH-01	0.9	0.169	0.030	0.0128	



Results for 30 year 360 minute summer. 544 minute analysis at 8 minute timestep. Mass balance: 97.47%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute summer	SWPC-01	176	41.185	-0.725	0.1	0.0000	0.0000	OK
360 minute summer	SWMH-01	216	43.981	0.111	0.8	0.1492	0.0000	SURCHARGED
360 minute summer	CWMH-02	216	43.858	0.013	0.3	0.0000	0.0000	OK
360 minute summer	DUMMY	176	41.942	0.007	0.1	0.0002	0.0000	OK
360 minute summer	SWMH-02	216	43.981	0.061	0.0	0.0693	0.0000	OK
360 minute summer	TANK	216	43.981	0.081	0.3	0.4638	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	SWPC-01	Pump		0.1				0.2
360 minute summer	SWMH-01	Pipe 1	CWMH-02	0.3	0.535	0.034	0.0006	3.7
360 minute summer	DUMMY	Pipe 2	SWPC-01	0.1	0.390	0.010	0.0003	
360 minute summer	SWMH-02	Pipe 4	TANK	0.1	0.111	0.005	0.0083	
360 minute summer	TANK	Pipe 3	SWMH-01	0.7	0.178	0.024	0.0126	



Results for 30 year 360 minute winter. 544 minute analysis at 8 minute timestep. Mass balance: 97.29%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute winter	SWPC-01	184	41.185	-0.725	0.1	0.0000	0.0000	OK
360 minute winter	SWMH-01	208	43.957	0.087	0.4	0.1168	0.0000	OK
360 minute winter	CWMH-02	208	43.857	0.012	0.3	0.0000	0.0000	OK
360 minute winter	DUMMY	184	41.942	0.007	0.1	0.0002	0.0000	OK
360 minute winter	SWMH-02	208	43.957	0.037	0.0	0.0420	0.0000	OK
360 minute winter	TANK	208	43.957	0.057	1.0	0.3257	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	SWPC-01	Pump		0.1				0.2
360 minute winter	SWMH-01	Pipe 1	CWMH-02	0.3	0.528	0.032	0.0006	3.6
360 minute winter	DUMMY	Pipe 2	SWPC-01	0.1	0.390	0.010	0.0003	
360 minute winter	SWMH-02	Pipe 4	TANK	0.3	0.160	0.011	0.0048	
360 minute winter	TANK	Pipe 3	SWMH-01	-0.8	-0.209	-0.027	0.0089	



Results for 30 year 480 minute summer. 664 minute analysis at 8 minute timestep. Mass balance: 97.40%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
480 minute summer	SWPC-01	240	41.185	-0.725	0.1	0.0000	0.0000	OK
480 minute summer	SWMH-01	272	43.970	0.100	0.8	0.1337	0.0000	OK
480 minute summer	CWMH-02	272	43.858	0.013	0.3	0.0000	0.0000	OK
480 minute summer	DUMMY	240	41.942	0.007	0.1	0.0002	0.0000	OK
480 minute summer	SWMH-02	272	43.970	0.050	0.0	0.0562	0.0000	OK
480 minute summer	TANK	272	43.970	0.070	0.9	0.3977	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
480 minute summer	SWPC-01	Pump		0.1				0.2
480 minute summer	SWMH-01	Pipe 1	CWMH-02	0.3	0.533	0.033	0.0006	3.6
480 minute summer	DUMMY	Pipe 2	SWPC-01	0.1	0.390	0.010	0.0003	
480 minute summer	SWMH-02	Pipe 4	TANK	0.2	0.150	0.010	0.0066	
480 minute summer	TANK	Pipe 3	SWMH-01	-0.7	0.246	-0.024	0.0109	



Results for 30 year 480 minute winter. 664 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	SWPC-01	8	41.085	-0.825	0.0	0.0000	0.0000	OK
480 minute winter	SWMH-01	280	43.938	0.068	1.0	0.0913	0.0000	OK
480 minute winter	CWMH-02	280	43.857	0.012	0.3	0.0000	0.0000	OK
480 minute winter	DUMMY	8	41.935	0.000	0.0	0.0000	0.0000	OK
480 minute winter	SWMH-02	280	43.938	0.018	0.0	0.0205	0.0000	OK
480 minute winter	TANK	280	43.938	0.038	0.3	0.2172	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	SWPC-01	Pump		0.0				0.0
480 minute winter	SWMH-01	Pipe 1	CWMH-02	0.3	0.515	0.029	0.0005	3.9
480 minute winter	DUMMY	Pipe 2	SWPC-01	0.0	0.000	0.000	0.0000	
480 minute winter	SWMH-02	Pipe 4	TANK	0.0	0.021	0.001	0.0024	
480 minute winter	TANK	Pipe 3	SWMH-01	0.9	0.303	0.031	0.0060	



Results for 30 year 600 minute summer. 780 minute analysis at 15 minute timestep. Mass balance: 97.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
600 minute summer	SWPC-01	315	41.185	-0.725	0.1	0.0000	0.0000	OK
600 minute summer	SWMH-01	330	43.948	0.078	0.4	0.1052	0.0000	OK
600 minute summer	CWMH-02	330	43.857	0.012	0.3	0.0000	0.0000	OK
600 minute summer	DUMMY	315	41.942	0.007	0.1	0.0002	0.0000	OK
600 minute summer	SWMH-02	330	43.948	0.028	0.0	0.0322	0.0000	OK
600 minute summer	TANK	330	43.948	0.048	0.3	0.2763	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
600 minute summer	SWPC-01	Pump		0.1				0.1
600 minute summer	SWMH-01	Pipe 1	CWMH-02	0.3	0.524	0.031	0.0006	3.2
600 minute summer	DUMMY	Pipe 2	SWPC-01	0.1	0.390	0.010	0.0003	
600 minute summer	SWMH-02	Pipe 4	TANK	0.0	0.018	-0.001	0.0036	
600 minute summer	TANK	Pipe 3	SWMH-01	-0.2	-0.084	-0.008	0.0076	



Results for 30 year 600 minute winter. 780 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	SWPC-01	15	41.085	-0.825	0.0	0.0000	0.0000	OK
600 minute winter	SWMH-01	315	43.927	0.057	0.3	0.0769	0.0000	OK
600 minute winter	CWMH-02	330	43.856	0.011	0.2	0.0000	0.0000	OK
600 minute winter	DUMMY	15	41.935	0.000	0.0	0.0000	0.0000	OK
600 minute winter	SWMH-02	315	43.927	0.007	0.0	0.0083	0.0000	OK
600 minute winter	TANK	315	43.927	0.027	0.2	0.1559	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	SWPC-01	Pump		0.0				0.0
600 minute winter	SWMH-01	Pipe 1	CWMH-02	0.2	0.497	0.026	0.0005	3.4
600 minute winter	DUMMY	Pipe 2	SWPC-01	0.0	0.000	0.000	0.0000	
600 minute winter	SWMH-02	Pipe 4	TANK	0.0	-0.021	0.000	0.0013	
600 minute winter	TANK	Pipe 3	SWMH-01	-0.2	-0.106	-0.008	0.0044	



Results for 30 year 720 minute summer. 900 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 (m ³)	Flood (m ³)	Status
720 minute summer	SWPC-01	15	41.085	-0.825	0.0	0.0000	0.0000	OK
720 minute summer	SWMH-01	390	43.935	0.065	0.5	0.0866	0.0000	OK
720 minute summer	CWMH-02	390	43.857	0.012	0.3	0.0000	0.0000	OK
720 minute summer	DUMMY	15	41.935	0.000	0.0	0.0000	0.0000	OK
720 minute summer	SWMH-02	390	43.935	0.015	0.0	0.0165	0.0000	OK
720 minute summer	TANK	390	43.935	0.035	0.1	0.1972	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
720 minute summer	SWPC-01	Pump		0.0				0.0
720 minute summer	SWMH-01	Pipe 1	CWMH-02	0.3	0.510	0.028	0.0005	3.4
720 minute summer	DUMMY	Pipe 2	SWPC-01	0.0	0.000	0.000	0.0000	
720 minute summer	SWMH-02	Pipe 4	TANK	0.0	-0.007	0.000	0.0020	
720 minute summer	TANK	Pipe 3	SWMH-01	0.4	0.136	0.012	0.0055	



Results for 30 year 720 minute winter. 900 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	SWPC-01	15	41.085	-0.825	0.0	0.0000	0.0000	OK
720 minute winter	SWMH-01	450	43.916	0.046	0.4	0.0617	0.0000	OK
720 minute winter	CWMH-02	450	43.855	0.010	0.2	0.0000	0.0000	OK
720 minute winter	DUMMY	15	41.935	0.000	0.0	0.0000	0.0000	OK
720 minute winter	SWMH-02	15	43.920	0.000	0.0	0.0000	0.0000	OK
720 minute winter	TANK	450	43.916	0.016	0.1	0.0914	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	SWPC-01	Pump		0.0				0.0
720 minute winter	SWMH-01	Pipe 1	CWMH-02	0.2	0.468	0.021	0.0004	3.4
720 minute winter	DUMMY	Pipe 2	SWPC-01	0.0	0.000	0.000	0.0000	
720 minute winter	SWMH-02	Pipe 4	TANK	0.0	0.000	0.000	0.0005	
720 minute winter	TANK	Pipe 3	SWMH-01	0.3	0.134	0.009	0.0030	



Results for 30 year 960 minute summer. 1140 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 (m ³)	Flood (m ³)	Status
960 minute summer	SWPC-01	15	41.085	-0.825	0.0	0.0000	0.0000	OK
960 minute summer	SWMH-01	495	43.927	0.057	0.3	0.0765	0.0000	OK
960 minute summer	CWMH-02	510	43.856	0.011	0.2	0.0000	0.0000	OK
960 minute summer	DUMMY	15	41.935	0.000	0.0	0.0000	0.0000	OK
960 minute summer	SWMH-02	495	43.927	0.007	0.0	0.0080	0.0000	OK
960 minute summer	TANK	495	43.927	0.027	0.3	0.1543	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
960 minute summer	SWPC-01	Pump		0.0				0.0
960 minute summer	SWMH-01	Pipe 1	CWMH-02	0.2	0.497	0.026	0.0005	3.2
960 minute summer	DUMMY	Pipe 2	SWPC-01	0.0	0.000	0.000	0.0000	
960 minute summer	SWMH-02	Pipe 4	TANK	0.0	-0.007	0.000	0.0012	
960 minute summer	TANK	Pipe 3	SWMH-01	-0.3	-0.114	-0.008	0.0044	



Results for 30 year 960 minute winter. 1140 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	SWPC-01	15	41.085	-0.825	0.0	0.0000	0.0000	OK
960 minute winter	SWMH-01	555	43.916	0.046	0.4	0.0616	0.0000	OK
960 minute winter	CWMH-02	555	43.855	0.010	0.2	0.0000	0.0000	OK
960 minute winter	DUMMY	15	41.935	0.000	0.0	0.0000	0.0000	OK
960 minute winter	SWMH-02	15	43.920	0.000	0.0	0.0000	0.0000	OK
960 minute winter	TANK	555	43.916	0.016	0.1	0.0912	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	SWPC-01	Pump		0.0				0.0
960 minute winter	SWMH-01	Pipe 1	CWMH-02	0.2	0.468	0.021	0.0004	3.6
960 minute winter	DUMMY	Pipe 2	SWPC-01	0.0	0.000	0.000	0.0000	
960 minute winter	SWMH-02	Pipe 4	TANK	0.0	0.000	0.000	0.0005	
960 minute winter	TANK	Pipe 3	SWMH-01	0.3	0.131	0.009	0.0030	



Results for 30 year 1440 minute summer. 1620 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	SWPC-01	30	41.085	-0.825	0.0	0.0000	0.0000	OK
1440 minute summer	SWMH-01	780	43.916	0.046	0.2	0.0613	0.0000	OK
1440 minute summer	CWMH-02	780	43.855	0.010	0.2	0.0000	0.0000	OK
1440 minute summer	DUMMY	30	41.935	0.000	0.0	0.0000	0.0000	OK
1440 minute summer	SWMH-02	30	43.920	0.000	0.0	0.0000	0.0000	OK
1440 minute summer	TANK	780	43.916	0.016	0.0	0.0899	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	SWPC-01	Pump		0.0				0.0
1440 minute summer	SWMH-01	Pipe 1	CWMH-02	0.2	0.467	0.021	0.0004	3.2
1440 minute summer	DUMMY	Pipe 2	SWPC-01	0.0	0.000	0.000	0.0000	
1440 minute summer	SWMH-02	Pipe 4	TANK	0.0	0.000	0.000	0.0005	
1440 minute summer	TANK	Pipe 3	SWMH-01	0.0	-0.026	-0.001	0.0029	



Results for 30 year 1440 minute winter. 1620 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 (m ³)	Flood (m ³)	Status
1440 minute winter	SWPC-01	30	41.085	-0.825	0.0	0.0000	0.0000	OK
1440 minute winter	SWMH-01	570	43.898	0.028	0.1	0.0373	0.0000	OK
1440 minute winter	CWMH-02	570	43.852	0.007	0.1	0.0000	0.0000	OK
1440 minute winter	DUMMY	30	41.935	0.000	0.0	0.0000	0.0000	OK
1440 minute winter	SWMH-02	30	43.920	0.000	0.0	0.0000	0.0000	OK
1440 minute winter	TANK	30	43.900	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
1440 minute winter	SWPC-01	Pump		0.0				0.0
1440 minute winter	SWMH-01	Pipe 1	CWMH-02	0.1	0.384	0.010	0.0003	3.3
1440 minute winter	DUMMY	Pipe 2	SWPC-01	0.0	0.000	0.000	0.0000	
1440 minute winter	SWMH-02	Pipe 4	TANK	0.0	0.000	0.000	0.0000	
1440 minute winter	TANK	Pipe 3	SWMH-01	0.0	0.000	0.000	0.0012	



Results for 30 year 2160 minute summer. 2340 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2160 minute summer	SWPC-01	60	41.085	-0.825	0.0	0.0000	0.0000	OK
2160 minute summer	SWMH-01	960	43.898	0.028	0.1	0.0373	0.0000	OK
2160 minute summer	CWMH-02	960	43.852	0.007	0.1	0.0000	0.0000	OK
2160 minute summer	DUMMY	60	41.935	0.000	0.0	0.0000	0.0000	OK
2160 minute summer	SWMH-02	60	43.920	0.000	0.0	0.0000	0.0000	OK
2160 minute summer	TANK	60	43.900	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2160 minute summer	SWPC-01	Pump		0.0				0.0
2160 minute summer	SWMH-01	Pipe 1	CWMH-02	0.1	0.384	0.010	0.0003	2.9
2160 minute summer	DUMMY	Pipe 2	SWPC-01	0.0	0.000	0.000	0.0000	
2160 minute summer	SWMH-02	Pipe 4	TANK	0.0	0.000	0.000	0.0000	
2160 minute summer	TANK	Pipe 3	SWMH-01	0.0	0.000	0.000	0.0012	



Results for 30 year 2160 minute winter. 2340 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
2160 minute winter	SWPC-01	60	41.085	-0.825	0.0	0.0000	0.0000	OK
2160 minute winter	SWMH-01	840	43.898	0.028	0.1	0.0373	0.0000	OK
2160 minute winter	CWMH-02	840	43.852	0.007	0.1	0.0000	0.0000	OK
2160 minute winter	DUMMY	60	41.935	0.000	0.0	0.0000	0.0000	OK
2160 minute winter	SWMH-02	60	43.920	0.000	0.0	0.0000	0.0000	OK
2160 minute winter	TANK	60	43.900	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
2160 minute winter	SWPC-01	Pump		0.0				0.0
2160 minute winter	SWMH-01	Pipe 1	CWMH-02	0.1	0.384	0.010	0.0003	4.3
2160 minute winter	DUMMY	Pipe 2	SWPC-01	0.0	0.000	0.000	0.0000	
2160 minute winter	SWMH-02	Pipe 4	TANK	0.0	0.000	0.000	0.0000	
2160 minute winter	TANK	Pipe 3	SWMH-01	0.0	0.000	0.000	0.0012	



Results for 30 year 2880 minute summer. 3060 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute summer	SWPC-01	60	41.085	-0.825	0.0	0.0000	0.0000	OK
2880 minute summer	SWMH-01	1260	43.898	0.028	0.1	0.0373	0.0000	OK
2880 minute summer	CWMH-02	1260	43.852	0.007	0.1	0.0000	0.0000	OK
2880 minute summer	DUMMY	60	41.935	0.000	0.0	0.0000	0.0000	OK
2880 minute summer	SWMH-02	60	43.920	0.000	0.0	0.0000	0.0000	OK
2880 minute summer	TANK	60	43.900	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute summer	SWPC-01	Pump		0.0				0.0
2880 minute summer	SWMH-01	Pipe 1	CWMH-02	0.1	0.384	0.010	0.0003	3.6
2880 minute summer	DUMMY	Pipe 2	SWPC-01	0.0	0.000	0.000	0.0000	
2880 minute summer	SWMH-02	Pipe 4	TANK	0.0	0.000	0.000	0.0000	
2880 minute summer	TANK	Pipe 3	SWMH-01	0.0	0.000	0.000	0.0012	



Results for 30 year 2880 minute winter. 3060 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
2880 minute winter	SWPC-01	60	41.085	-0.825	0.0	0.0000	0.0000	OK
2880 minute winter	SWMH-01	1200	43.898	0.028	0.1	0.0373	0.0000	OK
2880 minute winter	CWMH-02	1200	43.852	0.007	0.1	0.0000	0.0000	OK
2880 minute winter	DUMMY	60	41.935	0.000	0.0	0.0000	0.0000	OK
2880 minute winter	SWMH-02	60	43.920	0.000	0.0	0.0000	0.0000	OK
2880 minute winter	TANK	60	43.900	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
2880 minute winter	SWPC-01	Pump		0.0				0.0
2880 minute winter	SWMH-01	Pipe 1	CWMH-02	0.1	0.384	0.010	0.0003	4.3
2880 minute winter	DUMMY	Pipe 2	SWPC-01	0.0	0.000	0.000	0.0000	
2880 minute winter	SWMH-02	Pipe 4	TANK	0.0	0.000	0.000	0.0000	
2880 minute winter	TANK	Pipe 3	SWMH-01	0.0	0.000	0.000	0.0012	



Results for 30 year 4320 minute summer. 4500 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
4320 minute summer	SWPC-01	60	41.085	-0.825	0.0	0.0000	0.0000	OK
4320 minute summer	SWMH-01	1980	43.898	0.028	0.1	0.0373	0.0000	OK
4320 minute summer	CWMH-02	1980	43.852	0.007	0.1	0.0000	0.0000	OK
4320 minute summer	DUMMY	60	41.935	0.000	0.0	0.0000	0.0000	OK
4320 minute summer	SWMH-02	60	43.920	0.000	0.0	0.0000	0.0000	OK
4320 minute summer	TANK	60	43.900	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
4320 minute summer	SWPC-01	Pump		0.0				0.0
4320 minute summer	SWMH-01	Pipe 1	CWMH-02	0.1	0.384	0.010	0.0003	3.6
4320 minute summer	DUMMY	Pipe 2	SWPC-01	0.0	0.000	0.000	0.0000	
4320 minute summer	SWMH-02	Pipe 4	TANK	0.0	0.000	0.000	0.0000	
4320 minute summer	TANK	Pipe 3	SWMH-01	0.0	0.000	0.000	0.0012	



Results for 30 year 4320 minute winter. 4500 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
4320 minute winter	SWPC-01	60	41.085	-0.825	0.0	0.0000	0.0000	OK
4320 minute winter	SWMH-01	2040	43.898	0.028	0.1	0.0373	0.0000	OK
4320 minute winter	CWMH-02	2040	43.852	0.007	0.1	0.0000	0.0000	OK
4320 minute winter	DUMMY	60	41.935	0.000	0.0	0.0000	0.0000	OK
4320 minute winter	SWMH-02	60	43.920	0.000	0.0	0.0000	0.0000	OK
4320 minute winter	TANK	60	43.900	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
4320 minute winter	SWPC-01	Pump		0.0				0.0
4320 minute winter	SWMH-01	Pipe 1	CWMH-02	0.1	0.384	0.010	0.0003	2.9
4320 minute winter	DUMMY	Pipe 2	SWPC-01	0.0	0.000	0.000	0.0000	
4320 minute winter	SWMH-02	Pipe 4	TANK	0.0	0.000	0.000	0.0000	
4320 minute winter	TANK	Pipe 3	SWMH-01	0.0	0.000	0.000	0.0012	



Results for 30 year 5760 minute summer. 5940 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
5760 minute summer	SWPC-01	60	41.085	-0.825	0.0	0.0000	0.0000	OK
5760 minute summer	SWMH-01	2760	43.898	0.028	0.1	0.0373	0.0000	OK
5760 minute summer	CWMH-02	2760	43.852	0.007	0.1	0.0000	0.0000	OK
5760 minute summer	DUMMY	60	41.935	0.000	0.0	0.0000	0.0000	OK
5760 minute summer	SWMH-02	60	43.920	0.000	0.0	0.0000	0.0000	OK
5760 minute summer	TANK	60	43.900	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute summer	SWPC-01	Pump		0.0				0.0
5760 minute summer	SWMH-01	Pipe 1	CWMH-02	0.1	0.384	0.010	0.0003	2.9
5760 minute summer	DUMMY	Pipe 2	SWPC-01	0.0	0.000	0.000	0.0000	
5760 minute summer	SWMH-02	Pipe 4	TANK	0.0	0.000	0.000	0.0000	
5760 minute summer	TANK	Pipe 3	SWMH-01	0.0	0.000	0.000	0.0012	



Results for 30 year 5760 minute winter. 5940 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
5760 minute winter	SWPC-01	60	41.085	-0.825	0.0	0.0000	0.0000	OK
5760 minute winter	SWMH-01	60	43.870	0.000	0.0	0.0000	0.0000	OK
5760 minute winter	CWMH-02	60	43.845	0.000	0.0	0.0000	0.0000	OK
5760 minute winter	DUMMY	60	41.935	0.000	0.0	0.0000	0.0000	OK
5760 minute winter	SWMH-02	60	43.920	0.000	0.0	0.0000	0.0000	OK
5760 minute winter	TANK	60	43.900	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
5760 minute winter	SWPC-01	Pump		0.0				0.0
5760 minute winter	SWMH-01	Pipe 1	CWMH-02	0.0	0.000	0.000	0.0000	0.0
5760 minute winter	DUMMY	Pipe 2	SWPC-01	0.0	0.000	0.000	0.0000	
5760 minute winter	SWMH-02	Pipe 4	TANK	0.0	0.000	0.000	0.0000	
5760 minute winter	TANK	Pipe 3	SWMH-01	0.0	0.000	0.000	0.0000	



Results for 30 year 7200 minute summer. 7380 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
7200 minute summer	SWPC-01	60	41.085	-0.825	0.0	0.0000	0.0000	OK
7200 minute summer	SWMH-01	3540	43.898	0.028	0.1	0.0373	0.0000	OK
7200 minute summer	CWMH-02	3540	43.852	0.007	0.1	0.0000	0.0000	OK
7200 minute summer	DUMMY	60	41.935	0.000	0.0	0.0000	0.0000	OK
7200 minute summer	SWMH-02	60	43.920	0.000	0.0	0.0000	0.0000	OK
7200 minute summer	TANK	60	43.900	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
7200 minute summer	SWPC-01	Pump		0.0				0.0
7200 minute summer	SWMH-01	Pipe 1	CWMH-02	0.1	0.384	0.010	0.0003	2.2
7200 minute summer	DUMMY	Pipe 2	SWPC-01	0.0	0.000	0.000	0.0000	
7200 minute summer	SWMH-02	Pipe 4	TANK	0.0	0.000	0.000	0.0000	
7200 minute summer	TANK	Pipe 3	SWMH-01	0.0	0.000	0.000	0.0012	



Results for 30 year 7200 minute winter. 7380 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
7200 minute winter	SWPC-01	60	41.085	-0.825	0.0	0.0000	0.0000	OK
7200 minute winter	SWMH-01	60	43.870	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	CWMH-02	60	43.845	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	DUMMY	60	41.935	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	SWMH-02	60	43.920	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	TANK	60	43.900	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
7200 minute winter	SWPC-01	Pump		0.0				0.0
7200 minute winter	SWMH-01	Pipe 1	CWMH-02	0.0	0.000	0.000	0.0000	0.0
7200 minute winter	DUMMY	Pipe 2	SWPC-01	0.0	0.000	0.000	0.0000	
7200 minute winter	SWMH-02	Pipe 4	TANK	0.0	0.000	0.000	0.0000	
7200 minute winter	TANK	Pipe 3	SWMH-01	0.0	0.000	0.000	0.0000	



Results for 30 year 8640 minute summer. 8820 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
8640 minute summer	SWPC-01	60	41.085	-0.825	0.0	0.0000	0.0000	OK
8640 minute summer	SWMH-01	4380	43.898	0.028	0.1	0.0373	0.0000	OK
8640 minute summer	CWMH-02	4380	43.852	0.007	0.1	0.0000	0.0000	OK
8640 minute summer	DUMMY	60	41.935	0.000	0.0	0.0000	0.0000	OK
8640 minute summer	SWMH-02	60	43.920	0.000	0.0	0.0000	0.0000	OK
8640 minute summer	TANK	60	43.900	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
8640 minute summer	SWPC-01	Pump		0.0				0.0
8640 minute summer	SWMH-01	Pipe 1	CWMH-02	0.1	0.384	0.010	0.0003	0.7
8640 minute summer	DUMMY	Pipe 2	SWPC-01	0.0	0.000	0.000	0.0000	
8640 minute summer	SWMH-02	Pipe 4	TANK	0.0	0.000	0.000	0.0000	
8640 minute summer	TANK	Pipe 3	SWMH-01	0.0	0.000	0.000	0.0012	



Results for 30 year 8640 minute winter. 8820 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
8640 minute winter	SWPC-01	60	41.085	-0.825	0.0	0.0000	0.0000	OK
8640 minute winter	SWMH-01	60	43.870	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	CWMH-02	60	43.845	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	DUMMY	60	41.935	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	SWMH-02	60	43.920	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	TANK	60	43.900	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
8640 minute winter	SWPC-01	Pump		0.0				0.0
8640 minute winter	SWMH-01	Pipe 1	CWMH-02	0.0	0.000	0.000	0.0000	0.0
8640 minute winter	DUMMY	Pipe 2	SWPC-01	0.0	0.000	0.000	0.0000	
8640 minute winter	SWMH-02	Pipe 4	TANK	0.0	0.000	0.000	0.0000	
8640 minute winter	TANK	Pipe 3	SWMH-01	0.0	0.000	0.000	0.0000	



Results for 30 year 10080 minute summer. 10260 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
10080 minute summer	SWPC-01	60	41.085	-0.825	0.0	0.0000	0.0000	OK
10080 minute summer	SWMH-01	60	43.870	0.000	0.0	0.0000	0.0000	OK
10080 minute summer	CWMH-02	60	43.845	0.000	0.0	0.0000	0.0000	OK
10080 minute summer	DUMMY	60	41.935	0.000	0.0	0.0000	0.0000	OK
10080 minute summer	SWMH-02	60	43.920	0.000	0.0	0.0000	0.0000	OK
10080 minute summer	TANK	60	43.900	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
10080 minute summer	SWPC-01	Pump		0.0				0.0
10080 minute summer	SWMH-01	Pipe 1	CWMH-02	0.0	0.000	0.000	0.0000	0.0
10080 minute summer	DUMMY	Pipe 2	SWPC-01	0.0	0.000	0.000	0.0000	
10080 minute summer	SWMH-02	Pipe 4	TANK	0.0	0.000	0.000	0.0000	
10080 minute summer	TANK	Pipe 3	SWMH-01	0.0	0.000	0.000	0.0000	



Results for 30 year 10080 minute winter. 10260 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
10080 minute winter	SWPC-01	60	41.085	-0.825	0.0	0.0000	0.0000	OK
10080 minute winter	SWMH-01	60	43.870	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	CWMH-02	60	43.845	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	DUMMY	60	41.935	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	SWMH-02	60	43.920	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	TANK	60	43.900	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
10080 minute winter	SWPC-01	Pump		0.0				0.0
10080 minute winter	SWMH-01	Pipe 1	CWMH-02	0.0	0.000	0.000	0.0000	0.0
10080 minute winter	DUMMY	Pipe 2	SWPC-01	0.0	0.000	0.000	0.0000	
10080 minute winter	SWMH-02	Pipe 4	TANK	0.0	0.000	0.000	0.0000	
10080 minute winter	TANK	Pipe 3	SWMH-01	0.0	0.000	0.000	0.0000	



Results for 100 year 15 minute summer. 195 minute analysis at 1 minute timestep. Mass balance: 90.14%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	SWPC-01	16	41.276	-0.634	0.8	0.0000	0.0000	OK
15 minute summer	SWMH-01	16	44.073	0.203	5.6	0.2714	0.0000	SURCHARGED
15 minute summer	CWMH-02	32	43.858	0.013	0.3	0.0000	0.0000	OK
15 minute summer	DUMMY	9	41.956	0.021	0.8	0.0007	0.0000	OK
15 minute summer	SWMH-02	16	44.073	0.153	1.0	0.1726	0.0000	SURCHARGED
15 minute summer	TANK	16	44.073	0.173	4.6	0.9836	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	SWPC-01	Pump		0.1				0.0
15 minute summer	SWMH-01	Pipe 1	CWMH-02	0.3	0.538	0.034	0.0006	1.7
15 minute summer	DUMMY	Pipe 2	SWPC-01	0.8	0.707	0.083	0.0011	
15 minute summer	SWMH-02	Pipe 4	TANK	-1.0	-0.194	-0.038	0.0176	
15 minute summer	TANK	Pipe 3	SWMH-01	-4.6	-0.421	-0.152	0.0187	



Results for 100 year 15 minute winter. 195 minute analysis at 1 minute timestep. Mass balance: 90.62%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	SWPC-01	16	41.264	-0.646	0.6	0.0000	0.0000	OK
15 minute winter	SWMH-01	16	44.072	0.202	4.4	0.2703	0.0000	SURCHARGED
15 minute winter	CWMH-02	31	43.858	0.013	0.3	0.0000	0.0000	OK
15 minute winter	DUMMY	9	41.953	0.018	0.6	0.0006	0.0000	OK
15 minute winter	SWMH-02	16	44.072	0.152	0.6	0.1716	0.0000	SURCHARGED
15 minute winter	TANK	16	44.072	0.172	3.5	0.9788	0.0000	SURCHARGED
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute winter	SWPC-01	Pump		0.1				0.0
15 minute winter	SWMH-01	Pipe 1	CWMH-02	0.3	0.538	0.034	0.0006	1.7
15 minute winter	DUMMY	Pipe 2	SWPC-01	0.6	0.653	0.062	0.0009	
15 minute winter	SWMH-02	Pipe 4	TANK	-0.6	-0.238	-0.025	0.0176	
15 minute winter	TANK	Pipe 3	SWMH-01	-3.5	0.393	-0.117	0.0187	



Results for 100 year 30 minute summer. 210 minute analysis at 1 minute timestep. Mass balance: 90.56%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	SWPC-01	29	41.328	-0.582	0.6	0.0000	0.0000	OK
30 minute summer	SWMH-01	30	44.110	0.240	4.5	0.3218	0.0000	SURCHARGED
30 minute summer	CWMH-02	62	43.858	0.013	0.3	0.0000	0.0000	OK
30 minute summer	DUMMY	17	41.953	0.018	0.6	0.0006	0.0000	OK
30 minute summer	SWMH-02	30	44.110	0.190	0.6	0.2151	0.0000	SURCHARGED
30 minute summer	TANK	30	44.110	0.210	3.5	1.1979	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute summer	SWPC-01	Pump		0.1				0.1
30 minute summer	SWMH-01	Pipe 1	CWMH-02	0.3	0.538	0.034	0.0006	2.2
30 minute summer	DUMMY	Pipe 2	SWPC-01	0.6	0.654	0.062	0.0009	
30 minute summer	SWMH-02	Pipe 4	TANK	-0.6	-0.130	-0.024	0.0176	
30 minute summer	TANK	Pipe 3	SWMH-01	-3.5	0.379	-0.117	0.0187	



Results for 100 year 30 minute winter. 210 minute analysis at 1 minute timestep. Mass balance: 91.28%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute winter	SWPC-01	29	41.309	-0.601	0.4	0.0000	0.0000	OK
30 minute winter	SWMH-01	30	44.112	0.242	3.1	0.3246	0.0000	SURCHARGED
30 minute winter	CWMH-02	63	43.858	0.013	0.3	0.0000	0.0000	OK
30 minute winter	DUMMY	17	41.950	0.015	0.4	0.0005	0.0000	OK
30 minute winter	SWMH-02	30	44.112	0.192	0.4	0.2175	0.0000	SURCHARGED
30 minute winter	TANK	30	44.112	0.212	2.3	1.2101	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute winter	SWPC-01	Pump		0.1				0.1
30 minute winter	SWMH-01	Pipe 1	CWMH-02	0.3	0.538	0.034	0.0006	2.3
30 minute winter	DUMMY	Pipe 2	SWPC-01	0.4	0.584	0.042	0.0007	
30 minute winter	SWMH-02	Pipe 4	TANK	-0.4	-0.142	-0.016	0.0176	
30 minute winter	TANK	Pipe 3	SWMH-01	-2.3	0.342	-0.077	0.0187	



Results for 100 year 60 minute summer. 240 minute analysis at 1 minute timestep. Mass balance: 92.49%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
60 minute summer	SWPC-01	47	41.327	-0.583	0.4	0.0000	0.0000	OK
60 minute summer	SWMH-01	50	44.130	0.260	3.0	0.3482	0.0000	SURCHARGED
60 minute summer	CWMH-02	100	43.858	0.013	0.3	0.0000	0.0000	OK
60 minute summer	DUMMY	32	41.950	0.015	0.4	0.0005	0.0000	OK
60 minute summer	SWMH-02	50	44.130	0.210	0.4	0.2374	0.0000	SURCHARGED
60 minute summer	TANK	50	44.130	0.230	2.2	1.3104	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
60 minute summer	SWPC-01	Pump		0.1				0.1
60 minute summer	SWMH-01	Pipe 1	CWMH-02	0.3	0.538	0.034	0.0006	2.9
60 minute summer	DUMMY	Pipe 2	SWPC-01	0.4	0.584	0.042	0.0007	
60 minute summer	SWMH-02	Pipe 4	TANK	-0.4	0.148	-0.015	0.0176	
60 minute summer	TANK	Pipe 3	SWMH-01	-2.2	0.404	-0.075	0.0187	



Results for 100 year 60 minute winter. 240 minute analysis at 1 minute timestep. Mass balance: 92.54%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	SWPC-01	48	41.325	-0.585	0.3	0.0000	0.0000	OK
60 minute winter	SWMH-01	53	44.128	0.258	2.0	0.3456	0.0000	SURCHARGED
60 minute winter	CWMH-02	98	43.858	0.013	0.3	0.0000	0.0000	OK
60 minute winter	DUMMY	33	41.948	0.013	0.3	0.0004	0.0000	OK
60 minute winter	SWMH-02	53	44.128	0.208	0.2	0.2351	0.0000	SURCHARGED
60 minute winter	TANK	53	44.128	0.228	1.5	1.2991	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute winter	SWPC-01	Pump		0.1				0.2
60 minute winter	SWMH-01	Pipe 1	CWMH-02	0.3	0.538	0.034	0.0006	2.8
60 minute winter	DUMMY	Pipe 2	SWPC-01	0.3	0.538	0.031	0.0006	
60 minute winter	SWMH-02	Pipe 4	TANK	0.3	0.136	0.012	0.0176	
60 minute winter	TANK	Pipe 3	SWMH-01	1.7	0.328	0.057	0.0187	



Results for 100 year 120 minute summer. 300 minute analysis at 2 minute timestep. Mass balance: 94.49%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
120 minute summer	SWPC-01	78	41.295	-0.615	0.3	0.0000	0.0000	OK
120 minute summer	SWMH-01	84	44.119	0.249	1.8	0.3334	0.0000	SURCHARGED
120 minute summer	CWMH-02	144	43.858	0.013	0.3	0.0000	0.0000	OK
120 minute summer	DUMMY	62	41.948	0.013	0.3	0.0004	0.0000	OK
120 minute summer	SWMH-02	84	44.119	0.199	0.2	0.2248	0.0000	SURCHARGED
120 minute summer	TANK	84	44.119	0.219	1.2	1.2471	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
120 minute summer	SWPC-01	Pump		0.1				0.2
120 minute summer	SWMH-01	Pipe 1	CWMH-02	0.3	0.538	0.034	0.0006	3.5
120 minute summer	DUMMY	Pipe 2	SWPC-01	0.3	0.538	0.031	0.0006	
120 minute summer	SWMH-02	Pipe 4	TANK	-0.2	-0.116	-0.008	0.0176	
120 minute summer	TANK	Pipe 3	SWMH-01	1.3	0.379	0.043	0.0187	



Results for 100 year 120 minute winter. 300 minute analysis at 2 minute timestep. Mass balance: 94.86%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute winter	SWPC-01	76	41.281	-0.629	0.2	0.0000	0.0000	OK
120 minute winter	SWMH-01	90	44.115	0.245	1.5	0.3287	0.0000	SURCHARGED
120 minute winter	CWMH-02	64	43.858	0.013	0.3	0.0000	0.0000	OK
120 minute winter	DUMMY	60	41.945	0.010	0.2	0.0003	0.0000	OK
120 minute winter	SWMH-02	90	44.115	0.195	0.1	0.2209	0.0000	SURCHARGED
120 minute winter	TANK	90	44.115	0.215	2.0	1.2270	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute winter	SWPC-01	Pump		0.1				0.2
120 minute winter	SWMH-01	Pipe 1	CWMH-02	0.3	0.538	0.034	0.0006	3.4
120 minute winter	DUMMY	Pipe 2	SWPC-01	0.2	0.478	0.021	0.0004	
120 minute winter	SWMH-02	Pipe 4	TANK	0.5	0.255	0.019	0.0176	
120 minute winter	TANK	Pipe 3	SWMH-01	1.5	0.400	0.051	0.0187	



Results for 100 year 180 minute summer. 360 minute analysis at 4 minute timestep. Mass balance: 95.76%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute summer	SWPC-01	108	41.257	-0.653	0.2	0.0000	0.0000	OK
180 minute summer	SWMH-01	120	44.103	0.233	1.7	0.3118	0.0000	SURCHARGED
180 minute summer	CWMH-02	96	43.858	0.013	0.3	0.0000	0.0000	OK
180 minute summer	DUMMY	92	41.945	0.010	0.2	0.0003	0.0000	OK
180 minute summer	SWMH-02	120	44.103	0.183	0.3	0.2066	0.0000	SURCHARGED
180 minute summer	TANK	120	44.103	0.203	0.9	1.1552	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute summer	SWPC-01	Pump		0.1				0.2
180 minute summer	SWMH-01	Pipe 1	CWMH-02	0.3	0.538	0.034	0.0006	3.7
180 minute summer	DUMMY	Pipe 2	SWPC-01	0.2	0.478	0.021	0.0004	
180 minute summer	SWMH-02	Pipe 4	TANK	-0.3	-0.136	-0.013	0.0176	
180 minute summer	TANK	Pipe 3	SWMH-01	1.7	0.312	0.055	0.0187	



Results for 100 year 180 minute winter. 360 minute analysis at 4 minute timestep. Mass balance: 97.57%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute winter	SWPC-01	76	41.185	-0.725	0.1	0.0000	0.0000	OK
180 minute winter	SWMH-01	128	44.081	0.211	1.0	0.2827	0.0000	SURCHARGED
180 minute winter	CWMH-02	100	43.858	0.013	0.3	0.0000	0.0000	OK
180 minute winter	DUMMY	72	41.942	0.007	0.1	0.0002	0.0000	OK
180 minute winter	SWMH-02	128	44.081	0.161	0.2	0.1821	0.0000	SURCHARGED
180 minute winter	TANK	128	44.081	0.181	0.5	1.0317	0.0000	SURCHARGED
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute winter	SWPC-01	Pump		0.1				0.3
180 minute winter	SWMH-01	Pipe 1	CWMH-02	0.3	0.538	0.034	0.0006	3.8
180 minute winter	DUMMY	Pipe 2	SWPC-01	0.1	0.390	0.010	0.0003	
180 minute winter	SWMH-02	Pipe 4	TANK	-0.2	-0.087	-0.007	0.0176	
180 minute winter	TANK	Pipe 3	SWMH-01	1.0	0.193	0.033	0.0187	



Results for 100 year 240 minute summer. 420 minute analysis at 4 minute timestep. Mass balance: 96.54%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute summer	SWPC-01	136	41.233	-0.677	0.2	0.0000	0.0000	OK
240 minute summer	SWMH-01	152	44.081	0.211	2.1	0.2829	0.0000	SURCHARGED
240 minute summer	CWMH-02	128	43.858	0.013	0.3	0.0000	0.0000	OK
240 minute summer	DUMMY	124	41.945	0.010	0.2	0.0003	0.0000	OK
240 minute summer	SWMH-02	152	44.081	0.161	0.1	0.1822	0.0000	SURCHARGED
240 minute summer	TANK	152	44.081	0.181	0.9	1.0323	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute summer	SWPC-01	Pump		0.1				0.2
240 minute summer	SWMH-01	Pipe 1	CWMH-02	0.3	0.538	0.034	0.0006	4.0
240 minute summer	DUMMY	Pipe 2	SWPC-01	0.2	0.478	0.021	0.0004	
240 minute summer	SWMH-02	Pipe 4	TANK	0.2	0.123	0.007	0.0176	
240 minute summer	TANK	Pipe 3	SWMH-01	2.1	0.379	0.070	0.0187	



Results for 100 year 240 minute winter. 420 minute analysis at 4 minute timestep. Mass balance: 97.62%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute winter	SWPC-01	104	41.185	-0.725	0.1	0.0000	0.0000	OK
240 minute winter	SWMH-01	160	44.051	0.181	2.1	0.2431	0.0000	SURCHARGED
240 minute winter	CWMH-02	136	43.858	0.013	0.3	0.0000	0.0000	OK
240 minute winter	DUMMY	100	41.942	0.007	0.1	0.0002	0.0000	OK
240 minute winter	SWMH-02	160	44.051	0.131	0.1	0.1487	0.0000	OK
240 minute winter	TANK	160	44.051	0.151	1.3	0.8632	0.0000	SURCHARGED
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute winter	SWPC-01	Pump		0.1				0.3
240 minute winter	SWMH-01	Pipe 1	CWMH-02	0.3	0.538	0.034	0.0006	3.9
240 minute winter	DUMMY	Pipe 2	SWPC-01	0.1	0.390	0.010	0.0003	
240 minute winter	SWMH-02	Pipe 4	TANK	0.2	0.142	0.008	0.0170	
240 minute winter	TANK	Pipe 3	SWMH-01	2.1	0.357	0.071	0.0187	



Results for 100 year 360 minute summer. 544 minute analysis at 8 minute timestep. Mass balance: 97.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute summer	SWPC-01	168	41.185	-0.725	0.1	0.0000	0.0000	OK
360 minute summer	SWMH-01	224	44.056	0.186	1.7	0.2492	0.0000	SURCHARGED
360 minute summer	CWMH-02	200	43.858	0.013	0.3	0.0000	0.0000	OK
360 minute summer	DUMMY	168	41.942	0.007	0.1	0.0002	0.0000	OK
360 minute summer	SWMH-02	224	44.056	0.136	0.1	0.1538	0.0000	OK
360 minute summer	TANK	224	44.056	0.156	0.4	0.8891	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute summer	SWPC-01	Pump		0.1				0.3
360 minute summer	SWMH-01	Pipe 1	CWMH-02	0.3	0.538	0.034	0.0006	4.7
360 minute summer	DUMMY	Pipe 2	SWPC-01	0.1	0.390	0.010	0.0003	
360 minute summer	SWMH-02	Pipe 4	TANK	-0.1	-0.037	-0.003	0.0172	
360 minute summer	TANK	Pipe 3	SWMH-01	1.6	0.339	0.052	0.0187	



Results for 100 year 360 minute winter. 544 minute analysis at 8 minute timestep. Mass balance: 97.90%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute winter	SWPC-01	168	41.185	-0.725	0.1	0.0000	0.0000	OK
360 minute winter	SWMH-01	224	44.001	0.131	1.3	0.1753	0.0000	SURCHARGED
360 minute winter	CWMH-02	224	43.858	0.013	0.3	0.0000	0.0000	OK
360 minute winter	DUMMY	168	41.942	0.007	0.1	0.0002	0.0000	OK
360 minute winter	SWMH-02	224	44.001	0.081	0.1	0.0914	0.0000	OK
360 minute winter	TANK	224	44.001	0.101	0.8	0.5746	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	SWPC-01	Pump		0.1				0.3
360 minute winter	SWMH-01	Pipe 1	CWMH-02	0.3	0.537	0.034	0.0006	4.5
360 minute winter	DUMMY	Pipe 2	SWPC-01	0.1	0.390	0.010	0.0003	
360 minute winter	SWMH-02	Pipe 4	TANK	-0.1	-0.078	-0.006	0.0111	
360 minute winter	TANK	Pipe 3	SWMH-01	1.2	0.225	0.039	0.0153	



Results for 100 year 480 minute summer. 664 minute analysis at 8 minute timestep. Mass balance: 98.12%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute summer	SWPC-01	232	41.185	-0.725	0.1	0.0000	0.0000	OK
480 minute summer	SWMH-01	280	44.010	0.140	1.6	0.1870	0.0000	SURCHARGED
480 minute summer	CWMH-02	280	43.858	0.013	0.3	0.0000	0.0000	OK
480 minute summer	DUMMY	232	41.942	0.007	0.1	0.0002	0.0000	OK
480 minute summer	SWMH-02	280	44.010	0.090	0.1	0.1013	0.0000	OK
480 minute summer	TANK	280	44.010	0.110	0.4	0.6246	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	SWPC-01	Pump		0.1				0.3
480 minute summer	SWMH-01	Pipe 1	CWMH-02	0.3	0.538	0.034	0.0006	5.1
480 minute summer	DUMMY	Pipe 2	SWPC-01	0.1	0.390	0.010	0.0003	
480 minute summer	SWMH-02	Pipe 4	TANK	-0.1	-0.047	-0.003	0.0124	
480 minute summer	TANK	Pipe 3	SWMH-01	1.5	0.284	0.049	0.0164	



Results for 100 year 480 minute winter. 664 minute analysis at 8 minute timestep. Mass balance: 98.06%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute winter	SWPC-01	232	41.185	-0.725	0.1	0.0000	0.0000	OK
480 minute winter	SWMH-01	280	43.973	0.103	1.2	0.1383	0.0000	SURCHARGED
480 minute winter	CWMH-02	280	43.858	0.013	0.3	0.0000	0.0000	OK
480 minute winter	DUMMY	232	41.942	0.007	0.1	0.0002	0.0000	OK
480 minute winter	SWMH-02	280	43.973	0.053	0.0	0.0601	0.0000	OK
480 minute winter	TANK	280	43.973	0.073	1.2	0.4172	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	SWPC-01	Pump		0.1				0.3
480 minute winter	SWMH-01	Pipe 1	CWMH-02	0.3	0.534	0.033	0.0006	4.9
480 minute winter	DUMMY	Pipe 2	SWPC-01	0.1	0.390	0.010	0.0003	
480 minute winter	SWMH-02	Pipe 4	TANK	0.1	0.109	0.005	0.0071	
480 minute winter	TANK	Pipe 3	SWMH-01	1.1	0.314	0.036	0.0114	



Results for 100 year 600 minute summer. 780 minute analysis at 15 minute timestep. Mass balance: 98.03%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute summer	SWPC-01	300	41.185	-0.725	0.1	0.0000	0.0000	OK
600 minute summer	SWMH-01	345	43.985	0.115	0.5	0.1538	0.0000	SURCHARGED
600 minute summer	CWMH-02	345	43.858	0.013	0.3	0.0000	0.0000	OK
600 minute summer	DUMMY	300	41.942	0.007	0.1	0.0002	0.0000	OK
600 minute summer	SWMH-02	345	43.985	0.065	0.1	0.0733	0.0000	OK
600 minute summer	TANK	345	43.985	0.085	0.3	0.4832	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	SWPC-01	Pump		0.1				0.3
600 minute summer	SWMH-01	Pipe 1	CWMH-02	0.3	0.536	0.034	0.0006	4.9
600 minute summer	DUMMY	Pipe 2	SWPC-01	0.1	0.390	0.010	0.0003	
600 minute summer	SWMH-02	Pipe 4	TANK	-0.1	-0.046	-0.002	0.0088	
600 minute summer	TANK	Pipe 3	SWMH-01	-0.3	-0.126	-0.010	0.0131	



Results for 100 year 600 minute winter. 780 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	SWPC-01	15	41.085	-0.825	0.0	0.0000	0.0000	OK
600 minute winter	SWMH-01	360	43.941	0.071	0.7	0.0956	0.0000	OK
600 minute winter	CWMH-02	360	43.857	0.012	0.3	0.0000	0.0000	OK
600 minute winter	DUMMY	15	41.935	0.000	0.0	0.0000	0.0000	OK
600 minute winter	SWMH-02	360	43.941	0.021	0.0	0.0241	0.0000	OK
600 minute winter	TANK	360	43.941	0.041	0.1	0.2355	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	SWPC-01	Pump		0.0				0.0
600 minute winter	SWMH-01	Pipe 1	CWMH-02	0.3	0.520	0.030	0.0006	5.2
600 minute winter	DUMMY	Pipe 2	SWPC-01	0.0	0.000	0.000	0.0000	
600 minute winter	SWMH-02	Pipe 4	TANK	0.0	0.035	0.001	0.0027	
600 minute winter	TANK	Pipe 3	SWMH-01	0.6	0.219	0.020	0.0065	



Results for 100 year 720 minute summer. 900 minute analysis at 15 minute timestep. Mass balance: 98.03%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
720 minute summer	SWPC-01	360	41.185	-0.725	0.1	0.0000	0.0000	OK
720 minute summer	SWMH-01	405	43.967	0.097	0.4	0.1305	0.0000	OK
720 minute summer	CWMH-02	405	43.858	0.012	0.3	0.0000	0.0000	OK
720 minute summer	DUMMY	360	41.942	0.007	0.1	0.0002	0.0000	OK
720 minute summer	SWMH-02	405	43.967	0.047	0.0	0.0536	0.0000	OK
720 minute summer	TANK	405	43.967	0.067	0.6	0.3840	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
720 minute summer	SWPC-01	Pump		0.1				0.3
720 minute summer	SWMH-01	Pipe 1	CWMH-02	0.3	0.532	0.033	0.0006	4.9
720 minute summer	DUMMY	Pipe 2	SWPC-01	0.1	0.390	0.010	0.0003	
720 minute summer	SWMH-02	Pipe 4	TANK	0.1	0.053	0.002	0.0062	
720 minute summer	TANK	Pipe 3	SWMH-01	-0.6	-0.147	-0.019	0.0105	



Results for 100 year 720 minute winter. 900 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	SWPC-01	15	41.085	-0.825	0.0	0.0000	0.0000	OK
720 minute winter	SWMH-01	405	43.939	0.069	0.3	0.0925	0.0000	OK
720 minute winter	CWMH-02	405	43.857	0.012	0.3	0.0000	0.0000	OK
720 minute winter	DUMMY	15	41.935	0.000	0.0	0.0000	0.0000	OK
720 minute winter	SWMH-02	405	43.939	0.019	0.0	0.0215	0.0000	OK
720 minute winter	TANK	405	43.939	0.039	0.2	0.2224	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	SWPC-01	Pump		0.0				0.0
720 minute winter	SWMH-01	Pipe 1	CWMH-02	0.3	0.516	0.030	0.0006	5.4
720 minute winter	DUMMY	Pipe 2	SWPC-01	0.0	0.000	0.000	0.0000	
720 minute winter	SWMH-02	Pipe 4	TANK	0.0	0.032	0.001	0.0025	
720 minute winter	TANK	Pipe 3	SWMH-01	0.2	0.080	0.006	0.0061	



Results for 100 year 960 minute summer. 1140 minute analysis at 15 minute timestep. Mass balance: 97.89%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
960 minute summer	SWPC-01	495	41.185	-0.725	0.1	0.0000	0.0000	OK
960 minute summer	SWMH-01	510	43.953	0.083	0.9	0.1106	0.0000	OK
960 minute summer	CWMH-02	510	43.857	0.012	0.3	0.0000	0.0000	OK
960 minute summer	DUMMY	495	41.942	0.007	0.1	0.0002	0.0000	OK
960 minute summer	SWMH-02	510	43.953	0.033	0.0	0.0368	0.0000	OK
960 minute summer	TANK	510	43.953	0.053	0.2	0.2994	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
960 minute summer	SWPC-01	Pump		0.1				0.1
960 minute summer	SWMH-01	Pipe 1	CWMH-02	0.3	0.526	0.032	0.0006	4.7
960 minute summer	DUMMY	Pipe 2	SWPC-01	0.1	0.390	0.010	0.0003	
960 minute summer	SWMH-02	Pipe 4	TANK	0.0	-0.017	-0.001	0.0041	
960 minute summer	TANK	Pipe 3	SWMH-01	0.8	0.255	0.028	0.0082	



Results for 100 year 960 minute winter. 1140 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	SWPC-01	15	41.085	-0.825	0.0	0.0000	0.0000	OK
960 minute winter	SWMH-01	600	43.916	0.046	0.4	0.0617	0.0000	OK
960 minute winter	CWMH-02	600	43.855	0.010	0.2	0.0000	0.0000	OK
960 minute winter	DUMMY	15	41.935	0.000	0.0	0.0000	0.0000	OK
960 minute winter	SWMH-02	15	43.920	0.000	0.0	0.0000	0.0000	OK
960 minute winter	TANK	600	43.916	0.016	0.1	0.0915	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	SWPC-01	Pump		0.0				0.0
960 minute winter	SWMH-01	Pipe 1	CWMH-02	0.2	0.468	0.021	0.0004	4.7
960 minute winter	DUMMY	Pipe 2	SWPC-01	0.0	0.000	0.000	0.0000	
960 minute winter	SWMH-02	Pipe 4	TANK	0.0	0.000	0.000	0.0005	
960 minute winter	TANK	Pipe 3	SWMH-01	0.3	0.129	0.009	0.0030	



Results for 100 year 1440 minute summer. 1620 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	SWPC-01	30	41.085	-0.825	0.0	0.0000	0.0000	OK
1440 minute summer	SWMH-01	750	43.933	0.063	0.3	0.0846	0.0000	OK
1440 minute summer	CWMH-02	750	43.857	0.012	0.3	0.0000	0.0000	OK
1440 minute summer	DUMMY	30	41.935	0.000	0.0	0.0000	0.0000	OK
1440 minute summer	SWMH-02	750	43.933	0.013	0.0	0.0149	0.0000	OK
1440 minute summer	TANK	750	43.933	0.033	0.1	0.1889	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	SWPC-01	Pump		0.0				0.0
1440 minute summer	SWMH-01	Pipe 1	CWMH-02	0.3	0.508	0.028	0.0005	4.7
1440 minute summer	DUMMY	Pipe 2	SWPC-01	0.0	0.000	0.000	0.0000	
1440 minute summer	SWMH-02	Pipe 4	TANK	0.0	-0.012	0.000	0.0018	
1440 minute summer	TANK	Pipe 3	SWMH-01	0.1	0.050	0.004	0.0053	



Results for 100 year 1440 minute winter. 1620 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 (m ³)	Flood (m ³)	Status
1440 minute winter	SWPC-01	30	41.085	-0.825	0.0	0.0000	0.0000	OK
1440 minute winter	SWMH-01	810	43.916	0.046	0.2	0.0617	0.0000	OK
1440 minute winter	CWMH-02	810	43.855	0.010	0.2	0.0000	0.0000	OK
1440 minute winter	DUMMY	30	41.935	0.000	0.0	0.0000	0.0000	OK
1440 minute winter	SWMH-02	30	43.920	0.000	0.0	0.0000	0.0000	OK
1440 minute winter	TANK	810	43.916	0.016	0.0	0.0914	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
1440 minute winter	SWPC-01	Pump		0.0				0.0
1440 minute winter	SWMH-01	Pipe 1	CWMH-02	0.2	0.468	0.021	0.0004	5.0
1440 minute winter	DUMMY	Pipe 2	SWPC-01	0.0	0.000	0.000	0.0000	
1440 minute winter	SWMH-02	Pipe 4	TANK	0.0	0.000	0.000	0.0005	
1440 minute winter	TANK	Pipe 3	SWMH-01	0.1	0.071	0.004	0.0030	



Results for 100 year 2160 minute summer. 2340 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2160 minute summer	SWPC-01	60	41.085	-0.825	0.0	0.0000	0.0000	OK
2160 minute summer	SWMH-01	1140	43.915	0.045	0.2	0.0609	0.0000	OK
2160 minute summer	CWMH-02	1140	43.855	0.010	0.2	0.0000	0.0000	OK
2160 minute summer	DUMMY	60	41.935	0.000	0.0	0.0000	0.0000	OK
2160 minute summer	SWMH-02	60	43.920	0.000	0.0	0.0000	0.0000	OK
2160 minute summer	TANK	1140	43.915	0.015	0.0	0.0879	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2160 minute summer	SWPC-01	Pump		0.0				0.0
2160 minute summer	SWMH-01	Pipe 1	CWMH-02	0.2	0.466	0.021	0.0004	4.3
2160 minute summer	DUMMY	Pipe 2	SWPC-01	0.0	0.000	0.000	0.0000	
2160 minute summer	SWMH-02	Pipe 4	TANK	0.0	0.000	0.000	0.0005	
2160 minute summer	TANK	Pipe 3	SWMH-01	0.0	0.018	-0.001	0.0029	



Results for 100 year 2160 minute winter. 2340 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
2160 minute winter	SWPC-01	60	41.085	-0.825	0.0	0.0000	0.0000	OK
2160 minute winter	SWMH-01	780	43.898	0.028	0.1	0.0373	0.0000	OK
2160 minute winter	CWMH-02	780	43.852	0.007	0.1	0.0000	0.0000	OK
2160 minute winter	DUMMY	60	41.935	0.000	0.0	0.0000	0.0000	OK
2160 minute winter	SWMH-02	60	43.920	0.000	0.0	0.0000	0.0000	OK
2160 minute winter	TANK	60	43.900	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
2160 minute winter	SWPC-01	Pump		0.0				0.0
2160 minute winter	SWMH-01	Pipe 1	CWMH-02	0.1	0.384	0.010	0.0003	5.1
2160 minute winter	DUMMY	Pipe 2	SWPC-01	0.0	0.000	0.000	0.0000	
2160 minute winter	SWMH-02	Pipe 4	TANK	0.0	0.000	0.000	0.0000	
2160 minute winter	TANK	Pipe 3	SWMH-01	0.0	0.000	0.000	0.0012	



Results for 100 year 2880 minute summer. 3060 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute summer	SWPC-01	60	41.085	-0.825	0.0	0.0000	0.0000	OK
2880 minute summer	SWMH-01	1200	43.898	0.028	0.1	0.0373	0.0000	OK
2880 minute summer	CWMH-02	1200	43.852	0.007	0.1	0.0000	0.0000	OK
2880 minute summer	DUMMY	60	41.935	0.000	0.0	0.0000	0.0000	OK
2880 minute summer	SWMH-02	60	43.920	0.000	0.0	0.0000	0.0000	OK
2880 minute summer	TANK	60	43.900	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute summer	SWPC-01	Pump		0.0				0.0
2880 minute summer	SWMH-01	Pipe 1	CWMH-02	0.1	0.384	0.010	0.0003	4.3
2880 minute summer	DUMMY	Pipe 2	SWPC-01	0.0	0.000	0.000	0.0000	
2880 minute summer	SWMH-02	Pipe 4	TANK	0.0	0.000	0.000	0.0000	
2880 minute summer	TANK	Pipe 3	SWMH-01	0.0	0.000	0.000	0.0012	



Results for 100 year 2880 minute winter. 3060 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
2880 minute winter	SWPC-01	60	41.085	-0.825	0.0	0.0000	0.0000	OK
2880 minute winter	SWMH-01	1140	43.898	0.028	0.1	0.0373	0.0000	OK
2880 minute winter	CWMH-02	1140	43.852	0.007	0.1	0.0000	0.0000	OK
2880 minute winter	DUMMY	60	41.935	0.000	0.0	0.0000	0.0000	OK
2880 minute winter	SWMH-02	60	43.920	0.000	0.0	0.0000	0.0000	OK
2880 minute winter	TANK	60	43.900	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
2880 minute winter	SWPC-01	Pump		0.0				0.0
2880 minute winter	SWMH-01	Pipe 1	CWMH-02	0.1	0.384	0.010	0.0003	5.1
2880 minute winter	DUMMY	Pipe 2	SWPC-01	0.0	0.000	0.000	0.0000	
2880 minute winter	SWMH-02	Pipe 4	TANK	0.0	0.000	0.000	0.0000	
2880 minute winter	TANK	Pipe 3	SWMH-01	0.0	0.000	0.000	0.0012	



Results for 100 year 4320 minute summer. 4500 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
4320 minute summer	SWPC-01	60	41.085	-0.825	0.0	0.0000	0.0000	OK
4320 minute summer	SWMH-01	1920	43.898	0.028	0.1	0.0373	0.0000	OK
4320 minute summer	CWMH-02	1920	43.852	0.007	0.1	0.0000	0.0000	OK
4320 minute summer	DUMMY	60	41.935	0.000	0.0	0.0000	0.0000	OK
4320 minute summer	SWMH-02	60	43.920	0.000	0.0	0.0000	0.0000	OK
4320 minute summer	TANK	60	43.900	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
4320 minute summer	SWPC-01	Pump		0.0				0.0
4320 minute summer	SWMH-01	Pipe 1	CWMH-02	0.1	0.384	0.010	0.0003	4.3
4320 minute summer	DUMMY	Pipe 2	SWPC-01	0.0	0.000	0.000	0.0000	
4320 minute summer	SWMH-02	Pipe 4	TANK	0.0	0.000	0.000	0.0000	
4320 minute summer	TANK	Pipe 3	SWMH-01	0.0	0.000	0.000	0.0012	



Results for 100 year 4320 minute winter. 4500 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
4320 minute winter	SWPC-01	60	41.085	-0.825	0.0	0.0000	0.0000	OK
4320 minute winter	SWMH-01	1860	43.898	0.028	0.1	0.0373	0.0000	OK
4320 minute winter	CWMH-02	1860	43.852	0.007	0.1	0.0000	0.0000	OK
4320 minute winter	DUMMY	60	41.935	0.000	0.0	0.0000	0.0000	OK
4320 minute winter	SWMH-02	60	43.920	0.000	0.0	0.0000	0.0000	OK
4320 minute winter	TANK	60	43.900	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
4320 minute winter	SWPC-01	Pump		0.0				0.0
4320 minute winter	SWMH-01	Pipe 1	CWMH-02	0.1	0.384	0.010	0.0003	5.1
4320 minute winter	DUMMY	Pipe 2	SWPC-01	0.0	0.000	0.000	0.0000	
4320 minute winter	SWMH-02	Pipe 4	TANK	0.0	0.000	0.000	0.0000	
4320 minute winter	TANK	Pipe 3	SWMH-01	0.0	0.000	0.000	0.0012	



Results for 100 year 5760 minute summer. 5940 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
5760 minute summer	SWPC-01	60	41.085	-0.825	0.0	0.0000	0.0000	OK
5760 minute summer	SWMH-01	2640	43.898	0.028	0.1	0.0373	0.0000	OK
5760 minute summer	CWMH-02	2640	43.852	0.007	0.1	0.0000	0.0000	OK
5760 minute summer	DUMMY	60	41.935	0.000	0.0	0.0000	0.0000	OK
5760 minute summer	SWMH-02	60	43.920	0.000	0.0	0.0000	0.0000	OK
5760 minute summer	TANK	60	43.900	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute summer	SWPC-01	Pump		0.0				0.0
5760 minute summer	SWMH-01	Pipe 1	CWMH-02	0.1	0.384	0.010	0.0003	4.3
5760 minute summer	DUMMY	Pipe 2	SWPC-01	0.0	0.000	0.000	0.0000	
5760 minute summer	SWMH-02	Pipe 4	TANK	0.0	0.000	0.000	0.0000	
5760 minute summer	TANK	Pipe 3	SWMH-01	0.0	0.000	0.000	0.0012	



Results for 100 year 5760 minute winter. 5940 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
5760 minute winter	SWPC-01	60	41.085	-0.825	0.0	0.0000	0.0000	OK
5760 minute winter	SWMH-01	2700	43.898	0.028	0.1	0.0373	0.0000	OK
5760 minute winter	CWMH-02	2700	43.852	0.007	0.1	0.0000	0.0000	OK
5760 minute winter	DUMMY	60	41.935	0.000	0.0	0.0000	0.0000	OK
5760 minute winter	SWMH-02	60	43.920	0.000	0.0	0.0000	0.0000	OK
5760 minute winter	TANK	60	43.900	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
5760 minute winter	SWPC-01	Pump		0.0				0.0
5760 minute winter	SWMH-01	Pipe 1	CWMH-02	0.1	0.384	0.010	0.0003	3.6
5760 minute winter	DUMMY	Pipe 2	SWPC-01	0.0	0.000	0.000	0.0000	
5760 minute winter	SWMH-02	Pipe 4	TANK	0.0	0.000	0.000	0.0000	
5760 minute winter	TANK	Pipe 3	SWMH-01	0.0	0.000	0.000	0.0012	



Results for 100 year 7200 minute summer. 7380 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
7200 minute summer	SWPC-01	60	41.085	-0.825	0.0	0.0000	0.0000	OK
7200 minute summer	SWMH-01	3420	43.898	0.028	0.1	0.0373	0.0000	OK
7200 minute summer	CWMH-02	3420	43.852	0.007	0.1	0.0000	0.0000	OK
7200 minute summer	DUMMY	60	41.935	0.000	0.0	0.0000	0.0000	OK
7200 minute summer	SWMH-02	60	43.920	0.000	0.0	0.0000	0.0000	OK
7200 minute summer	TANK	60	43.900	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
7200 minute summer	SWPC-01	Pump		0.0				0.0
7200 minute summer	SWMH-01	Pipe 1	CWMH-02	0.1	0.384	0.010	0.0003	3.6
7200 minute summer	DUMMY	Pipe 2	SWPC-01	0.0	0.000	0.000	0.0000	
7200 minute summer	SWMH-02	Pipe 4	TANK	0.0	0.000	0.000	0.0000	
7200 minute summer	TANK	Pipe 3	SWMH-01	0.0	0.000	0.000	0.0012	



Results for 100 year 7200 minute winter. 7380 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
7200 minute winter	SWPC-01	60	41.085	-0.825	0.0	0.0000	0.0000	OK
7200 minute winter	SWMH-01	60	43.870	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	CWMH-02	60	43.845	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	DUMMY	60	41.935	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	SWMH-02	60	43.920	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	TANK	60	43.900	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
7200 minute winter	SWPC-01	Pump		0.0				0.0
7200 minute winter	SWMH-01	Pipe 1	CWMH-02	0.0	0.000	0.000	0.0000	0.0
7200 minute winter	DUMMY	Pipe 2	SWPC-01	0.0	0.000	0.000	0.0000	
7200 minute winter	SWMH-02	Pipe 4	TANK	0.0	0.000	0.000	0.0000	
7200 minute winter	TANK	Pipe 3	SWMH-01	0.0	0.000	0.000	0.0000	



Results for 100 year 8640 minute summer. 8820 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
8640 minute summer	SWPC-01	60	41.085	-0.825	0.0	0.0000	0.0000	OK
8640 minute summer	SWMH-01	4200	43.898	0.028	0.1	0.0373	0.0000	OK
8640 minute summer	CWMH-02	4200	43.852	0.007	0.1	0.0000	0.0000	OK
8640 minute summer	DUMMY	60	41.935	0.000	0.0	0.0000	0.0000	OK
8640 minute summer	SWMH-02	60	43.920	0.000	0.0	0.0000	0.0000	OK
8640 minute summer	TANK	60	43.900	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
8640 minute summer	SWPC-01	Pump		0.0				0.0
8640 minute summer	SWMH-01	Pipe 1	CWMH-02	0.1	0.384	0.010	0.0003	2.9
8640 minute summer	DUMMY	Pipe 2	SWPC-01	0.0	0.000	0.000	0.0000	
8640 minute summer	SWMH-02	Pipe 4	TANK	0.0	0.000	0.000	0.0000	
8640 minute summer	TANK	Pipe 3	SWMH-01	0.0	0.000	0.000	0.0012	



Results for 100 year 8640 minute winter. 8820 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
8640 minute winter	SWPC-01	60	41.085	-0.825	0.0	0.0000	0.0000	OK
8640 minute winter	SWMH-01	60	43.870	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	CWMH-02	60	43.845	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	DUMMY	60	41.935	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	SWMH-02	60	43.920	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	TANK	60	43.900	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
8640 minute winter	SWPC-01	Pump		0.0				0.0
8640 minute winter	SWMH-01	Pipe 1	CWMH-02	0.0	0.000	0.000	0.0000	0.0
8640 minute winter	DUMMY	Pipe 2	SWPC-01	0.0	0.000	0.000	0.0000	
8640 minute winter	SWMH-02	Pipe 4	TANK	0.0	0.000	0.000	0.0000	
8640 minute winter	TANK	Pipe 3	SWMH-01	0.0	0.000	0.000	0.0000	



Results for 100 year 10080 minute summer. 10260 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
10080 minute summer	SWPC-01	60	41.085	-0.825	0.0	0.0000	0.0000	OK
10080 minute summer	SWMH-01	5040	43.898	0.028	0.1	0.0373	0.0000	OK
10080 minute summer	CWMH-02	5040	43.852	0.007	0.1	0.0000	0.0000	OK
10080 minute summer	DUMMY	60	41.935	0.000	0.0	0.0000	0.0000	OK
10080 minute summer	SWMH-02	60	43.920	0.000	0.0	0.0000	0.0000	OK
10080 minute summer	TANK	60	43.900	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
10080 minute summer	SWPC-01	Pump		0.0				0.0
10080 minute summer	SWMH-01	Pipe 1	CWMH-02	0.1	0.384	0.010	0.0003	1.5
10080 minute summer	DUMMY	Pipe 2	SWPC-01	0.0	0.000	0.000	0.0000	
10080 minute summer	SWMH-02	Pipe 4	TANK	0.0	0.000	0.000	0.0000	
10080 minute summer	TANK	Pipe 3	SWMH-01	0.0	0.000	0.000	0.0012	



Results for 100 year 10080 minute winter. 10260 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
10080 minute winter	SWPC-01	60	41.085	-0.825	0.0	0.0000	0.0000	OK
10080 minute winter	SWMH-01	60	43.870	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	CWMH-02	60	43.845	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	DUMMY	60	41.935	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	SWMH-02	60	43.920	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	TANK	60	43.900	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
10080 minute winter	SWPC-01	Pump		0.0				0.0
10080 minute winter	SWMH-01	Pipe 1	CWMH-02	0.0	0.000	0.000	0.0000	0.0
10080 minute winter	DUMMY	Pipe 2	SWPC-01	0.0	0.000	0.000	0.0000	
10080 minute winter	SWMH-02	Pipe 4	TANK	0.0	0.000	0.000	0.0000	
10080 minute winter	TANK	Pipe 3	SWMH-01	0.0	0.000	0.000	0.0000	



Results for 100 year +30% CC 15 minute summer. 195 minute analysis at 1 minute timestep. Mass balance: 90.11%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	SWPC-01	17	41.335	-0.575	1.0	0.0000	0.0000	OK
15 minute summer	SWMH-01	16	44.136	0.266	7.2	0.3563	0.0000	SURCHARGED
15 minute summer	CWMH-02	59	43.858	0.013	0.3	0.0000	0.0000	OK
15 minute summer	DUMMY	9	41.959	0.024	1.0	0.0008	0.0000	OK
15 minute summer	SWMH-02	16	44.136	0.216	1.0	0.2443	0.0000	SURCHARGED
15 minute summer	TANK	16	44.136	0.236	5.9	1.3450	0.0000	SURCHARGED
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	SWPC-01	Pump		0.1				0.1
15 minute summer	SWMH-01	Pipe 1	CWMH-02	0.3	0.538	0.034	0.0006	2.2
15 minute summer	DUMMY	Pipe 2	SWPC-01	1.0	0.750	0.104	0.0013	
15 minute summer	SWMH-02	Pipe 4	TANK	-1.0	-0.224	-0.040	0.0176	
15 minute summer	TANK	Pipe 3	SWMH-01	-5.9	-0.419	-0.196	0.0187	



Results for 100 year +30% CC 15 minute winter. 195 minute analysis at 1 minute timestep. Mass balance: 89.82%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	SWPC-01	16	41.342	-0.568	0.8	0.0000	0.0000	OK
15 minute winter	SWMH-01	16	44.135	0.265	5.8	0.3555	0.0000	SURCHARGED
15 minute winter	CWMH-02	59	43.858	0.013	0.3	0.0000	0.0000	OK
15 minute winter	DUMMY	9	41.956	0.021	0.8	0.0007	0.0000	OK
15 minute winter	SWMH-02	16	44.135	0.215	0.8	0.2435	0.0000	SURCHARGED
15 minute winter	TANK	16	44.135	0.235	4.6	1.3414	0.0000	SURCHARGED
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute winter	SWPC-01	Pump		0.1				0.1
15 minute winter	SWMH-01	Pipe 1	CWMH-02	0.3	0.538	0.034	0.0006	2.2
15 minute winter	DUMMY	Pipe 2	SWPC-01	0.8	0.707	0.083	0.0011	
15 minute winter	SWMH-02	Pipe 4	TANK	-0.8	-0.193	-0.032	0.0176	
15 minute winter	TANK	Pipe 3	SWMH-01	-4.6	0.400	-0.155	0.0187	



Results for 100 year +30% CC 30 minute summer. 210 minute analysis at 1 minute timestep. Mass balance: 90.70%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
30 minute summer	SWPC-01	29	41.396	-0.514	0.8	0.0000	0.0000	OK
30 minute summer	SWMH-01	31	44.194	0.324	5.8	0.4339	0.0000	SURCHARGED
30 minute summer	CWMH-02	101	43.858	0.013	0.3	0.0000	0.0000	OK
30 minute summer	DUMMY	16	41.956	0.021	0.8	0.0007	0.0000	OK
30 minute summer	SWMH-02	31	44.194	0.274	0.8	0.3097	0.0000	SURCHARGED
30 minute summer	TANK	31	44.194	0.294	4.6	1.6748	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
30 minute summer	SWPC-01	Pump		0.1				0.1
30 minute summer	SWMH-01	Pipe 1	CWMH-02	0.3	0.538	0.034	0.0006	2.9
30 minute summer	DUMMY	Pipe 2	SWPC-01	0.8	0.700	0.081	0.0011	
30 minute summer	SWMH-02	Pipe 4	TANK	-0.8	-0.111	-0.031	0.0176	
30 minute summer	TANK	Pipe 3	SWMH-01	-4.6	0.397	-0.153	0.0187	



Results for 100 year +30% CC 30 minute winter. 210 minute analysis at 1 minute timestep. Mass balance: 90.51%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute winter	SWPC-01	30	41.403	-0.507	0.6	0.0000	0.0000	OK
30 minute winter	SWMH-01	30	44.195	0.325	4.1	0.4350	0.0000	SURCHARGED
30 minute winter	CWMH-02	101	43.858	0.013	0.3	0.0000	0.0000	OK
30 minute winter	DUMMY	17	41.953	0.018	0.6	0.0006	0.0000	OK
30 minute winter	SWMH-02	30	44.195	0.275	0.5	0.3107	0.0000	SURCHARGED
30 minute winter	TANK	30	44.195	0.295	3.2	1.6797	0.0000	SURCHARGED
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute winter	SWPC-01	Pump		0.1				0.1
30 minute winter	SWMH-01	Pipe 1	CWMH-02	0.3	0.538	0.034	0.0006	2.9
30 minute winter	DUMMY	Pipe 2	SWPC-01	0.6	0.654	0.062	0.0009	
30 minute winter	SWMH-02	Pipe 4	TANK	-0.5	-0.138	-0.021	0.0176	
30 minute winter	TANK	Pipe 3	SWMH-01	-3.2	0.323	-0.105	0.0187	



Results for 100 year +30% CC 60 minute summer. 240 minute analysis at 1 minute timestep. Mass balance: 92.14%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
60 minute summer	SWPC-01	48	41.419	-0.491	0.6	0.0000	0.0000	OK
60 minute summer	SWMH-01	59	44.229	0.359	3.9	0.4817	0.0000	SURCHARGED
60 minute summer	CWMH-02	147	43.858	0.013	0.3	0.0000	0.0000	OK
60 minute summer	DUMMY	31	41.953	0.018	0.6	0.0006	0.0000	OK
60 minute summer	SWMH-02	59	44.229	0.309	0.5	0.3500	0.0000	FLOOD RISK
60 minute summer	TANK	59	44.229	0.329	3.0	1.8780	0.0000	FLOOD RISK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
60 minute summer	SWPC-01	Pump		0.1				0.2
60 minute summer	SWMH-01	Pipe 1	CWMH-02	0.3	0.538	0.034	0.0006	3.7
60 minute summer	DUMMY	Pipe 2	SWPC-01	0.6	0.643	0.059	0.0009	
60 minute summer	SWMH-02	Pipe 4	TANK	-0.5	0.172	-0.020	0.0176	
60 minute summer	TANK	Pipe 3	SWMH-01	-3.0	0.367	-0.100	0.0187	



Results for 100 year +30% CC 60 minute winter. 240 minute analysis at 1 minute timestep. Mass balance: 91.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	SWPC-01	50	41.424	-0.486	0.4	0.0000	0.0000	OK
60 minute winter	SWMH-01	58	44.229	0.359	2.6	0.4810	0.0000	SURCHARGED
60 minute winter	CWMH-02	145	43.858	0.013	0.3	0.0000	0.0000	OK
60 minute winter	DUMMY	32	41.950	0.015	0.4	0.0005	0.0000	OK
60 minute winter	SWMH-02	58	44.229	0.309	0.3	0.3495	0.0000	FLOOD RISK
60 minute winter	TANK	58	44.229	0.329	1.9	1.8753	0.0000	FLOOD RISK
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute winter	SWPC-01	Pump		0.1				0.2
60 minute winter	SWMH-01	Pipe 1	CWMH-02	0.3	0.538	0.034	0.0006	3.7
60 minute winter	DUMMY	Pipe 2	SWPC-01	0.4	0.584	0.042	0.0007	
60 minute winter	SWMH-02	Pipe 4	TANK	-0.3	-0.106	-0.013	0.0176	
60 minute winter	TANK	Pipe 3	SWMH-01	2.3	0.389	0.075	0.0187	



Results for 100 year +30% CC 120 minute summer. 300 minute analysis at 2 minute timestep. Mass balance: 93.67%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute summer	SWPC-01	80	41.397	-0.513	0.3	0.0000	0.0000	OK
120 minute summer	SWMH-01	90	44.220	0.350	2.3	0.4693	0.0000	SURCHARGED
120 minute summer	CWMH-02	196	43.858	0.013	0.3	0.0000	0.0000	OK
120 minute summer	DUMMY	62	41.948	0.013	0.3	0.0004	0.0000	OK
120 minute summer	SWMH-02	90	44.220	0.300	0.3	0.3396	0.0000	FLOOD RISK
120 minute summer	TANK	90	44.220	0.320	1.7	1.8254	0.0000	FLOOD RISK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute summer	SWPC-01	Pump		0.1				0.2
120 minute summer	SWMH-01	Pipe 1	CWMH-02	0.3	0.538	0.034	0.0006	4.4
120 minute summer	DUMMY	Pipe 2	SWPC-01	0.3	0.538	0.031	0.0006	
120 minute summer	SWMH-02	Pipe 4	TANK	-0.3	-0.130	-0.011	0.0176	
120 minute summer	TANK	Pipe 3	SWMH-01	2.0	0.392	0.066	0.0187	



Results for 100 year +30% CC 120 minute winter. 300 minute analysis at 2 minute timestep. Mass balance: 94.70%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute winter	SWPC-01	84	41.353	-0.557	0.2	0.0000	0.0000	OK
120 minute winter	SWMH-01	94	44.228	0.358	2.2	0.4793	0.0000	SURCHARGED
120 minute winter	CWMH-02	202	43.858	0.013	0.3	0.0000	0.0000	OK
120 minute winter	DUMMY	54	41.945	0.010	0.2	0.0003	0.0000	OK
120 minute winter	SWMH-02	94	44.228	0.308	0.2	0.3481	0.0000	FLOOD RISK
120 minute winter	TANK	94	44.228	0.328	1.5	1.8683	0.0000	FLOOD RISK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute winter	SWPC-01	Pump		0.1				0.3
120 minute winter	SWMH-01	Pipe 1	CWMH-02	0.3	0.538	0.034	0.0006	4.5
120 minute winter	DUMMY	Pipe 2	SWPC-01	0.2	0.478	0.021	0.0004	
120 minute winter	SWMH-02	Pipe 4	TANK	0.2	0.150	0.007	0.0176	
120 minute winter	TANK	Pipe 3	SWMH-01	2.2	0.407	0.072	0.0187	



Results for 100 year +30% CC 180 minute summer. 360 minute analysis at 4 minute timestep. Mass balance: 95.43%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute summer	SWPC-01	112	41.329	-0.581	0.3	0.0000	0.0000	OK
180 minute summer	SWMH-01	132	44.198	0.328	1.8	0.4398	0.0000	SURCHARGED
180 minute summer	CWMH-02	240	43.858	0.013	0.3	0.0000	0.0000	OK
180 minute summer	DUMMY	92	41.947	0.012	0.3	0.0004	0.0000	OK
180 minute summer	SWMH-02	132	44.198	0.278	0.2	0.3147	0.0000	SURCHARGED
180 minute summer	TANK	132	44.198	0.298	1.2	1.6998	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute summer	SWPC-01	Pump		0.1				0.3
180 minute summer	SWMH-01	Pipe 1	CWMH-02	0.3	0.538	0.034	0.0006	4.9
180 minute summer	DUMMY	Pipe 2	SWPC-01	0.3	0.532	0.030	0.0005	
180 minute summer	SWMH-02	Pipe 4	TANK	-0.2	0.117	-0.008	0.0176	
180 minute summer	TANK	Pipe 3	SWMH-01	1.5	0.255	0.049	0.0187	



Results for 100 year +30% CC 180 minute winter. 360 minute analysis at 4 minute timestep. Mass balance: 95.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute winter	SWPC-01	112	41.305	-0.605	0.2	0.0000	0.0000	OK
180 minute winter	SWMH-01	140	44.198	0.328	1.6	0.4400	0.0000	SURCHARGED
180 minute winter	CWMH-02	88	43.858	0.013	0.3	0.0000	0.0000	OK
180 minute winter	DUMMY	92	41.945	0.010	0.2	0.0003	0.0000	OK
180 minute winter	SWMH-02	140	44.198	0.278	0.1	0.3150	0.0000	SURCHARGED
180 minute winter	TANK	140	44.198	0.298	0.7	1.7014	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute winter	SWPC-01	Pump		0.1				0.4
180 minute winter	SWMH-01	Pipe 1	CWMH-02	0.3	0.538	0.034	0.0006	4.9
180 minute winter	DUMMY	Pipe 2	SWPC-01	0.2	0.478	0.021	0.0004	
180 minute winter	SWMH-02	Pipe 4	TANK	0.3	0.115	0.010	0.0176	
180 minute winter	TANK	Pipe 3	SWMH-01	1.6	0.341	0.052	0.0187	



Results for 100 year +30% CC 240 minute summer. 420 minute analysis at 4 minute timestep. Mass balance: 96.51%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
240 minute summer	SWPC-01	140	41.281	-0.629	0.2	0.0000	0.0000	OK
240 minute summer	SWMH-01	168	44.184	0.314	1.4	0.4203	0.0000	SURCHARGED
240 minute summer	CWMH-02	272	43.858	0.013	0.3	0.0000	0.0000	OK
240 minute summer	DUMMY	124	41.945	0.010	0.2	0.0003	0.0000	OK
240 minute summer	SWMH-02	168	44.184	0.264	0.2	0.2982	0.0000	SURCHARGED
240 minute summer	TANK	168	44.184	0.284	0.9	1.6169	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
240 minute summer	SWPC-01	Pump		0.1				0.3
240 minute summer	SWMH-01	Pipe 1	CWMH-02	0.3	0.538	0.034	0.0006	5.2
240 minute summer	DUMMY	Pipe 2	SWPC-01	0.2	0.478	0.021	0.0004	
240 minute summer	SWMH-02	Pipe 4	TANK	-0.2	-0.070	-0.006	0.0176	
240 minute summer	TANK	Pipe 3	SWMH-01	0.9	0.178	0.030	0.0187	



Results for 100 year +30% CC 240 minute winter. 420 minute analysis at 4 minute timestep. Mass balance: 98.27%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute winter	SWPC-01	92	41.185	-0.725	0.1	0.0000	0.0000	OK
240 minute winter	SWMH-01	176	44.167	0.297	1.0	0.3976	0.0000	SURCHARGED
240 minute winter	CWMH-02	120	43.858	0.013	0.3	0.0000	0.0000	OK
240 minute winter	DUMMY	88	41.942	0.007	0.1	0.0002	0.0000	OK
240 minute winter	SWMH-02	176	44.167	0.247	0.2	0.2790	0.0000	SURCHARGED
240 minute winter	TANK	176	44.167	0.267	1.0	1.5202	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute winter	SWPC-01	Pump		0.1				0.5
240 minute winter	SWMH-01	Pipe 1	CWMH-02	0.3	0.538	0.034	0.0006	5.3
240 minute winter	DUMMY	Pipe 2	SWPC-01	0.1	0.390	0.010	0.0003	
240 minute winter	SWMH-02	Pipe 4	TANK	-0.2	-0.105	-0.006	0.0176	
240 minute winter	TANK	Pipe 3	SWMH-01	-1.0	0.258	-0.034	0.0187	



Results for 100 year +30% CC 360 minute summer. 544 minute analysis at 8 minute timestep. Mass balance: 98.33%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute summer	SWPC-01	160	41.185	-0.725	0.1	0.0000	0.0000	OK
360 minute summer	SWMH-01	232	44.140	0.270	1.0	0.3614	0.0000	SURCHARGED
360 minute summer	CWMH-02	184	43.858	0.013	0.3	0.0000	0.0000	OK
360 minute summer	DUMMY	160	41.942	0.007	0.1	0.0002	0.0000	OK
360 minute summer	SWMH-02	232	44.140	0.220	0.1	0.2485	0.0000	SURCHARGED
360 minute summer	TANK	232	44.140	0.240	1.7	1.3661	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute summer	SWPC-01	Pump		0.1				0.4
360 minute summer	SWMH-01	Pipe 1	CWMH-02	0.3	0.538	0.034	0.0006	5.6
360 minute summer	DUMMY	Pipe 2	SWPC-01	0.1	0.390	0.010	0.0003	
360 minute summer	SWMH-02	Pipe 4	TANK	0.3	0.187	0.011	0.0176	
360 minute summer	TANK	Pipe 3	SWMH-01	-1.4	-0.270	-0.047	0.0187	



Results for 100 year +30% CC 360 minute winter. 544 minute analysis at 8 minute timestep. Mass balance: 98.33%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute winter	SWPC-01	152	41.185	-0.725	0.1	0.0000	0.0000	OK
360 minute winter	SWMH-01	240	44.095	0.225	0.9	0.3019	0.0000	SURCHARGED
360 minute winter	CWMH-02	192	43.858	0.013	0.3	0.0000	0.0000	OK
360 minute winter	DUMMY	152	41.942	0.007	0.1	0.0002	0.0000	OK
360 minute winter	SWMH-02	240	44.095	0.175	0.1	0.1982	0.0000	SURCHARGED
360 minute winter	TANK	240	44.095	0.195	0.3	1.1130	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute winter	SWPC-01	Pump		0.1				0.5
360 minute winter	SWMH-01	Pipe 1	CWMH-02	0.3	0.538	0.034	0.0006	5.5
360 minute winter	DUMMY	Pipe 2	SWPC-01	0.1	0.390	0.010	0.0003	
360 minute winter	SWMH-02	Pipe 4	TANK	0.1	0.030	0.002	0.0176	
360 minute winter	TANK	Pipe 3	SWMH-01	0.9	0.165	0.030	0.0187	



Results for 100 year +30% CC 480 minute summer. 664 minute analysis at 8 minute timestep. Mass balance: 98.49%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
480 minute summer	SWPC-01	216	41.185	-0.725	0.1	0.0000	0.0000	OK
480 minute summer	SWMH-01	296	44.098	0.228	0.8	0.3058	0.0000	SURCHARGED
480 minute summer	CWMH-02	248	43.858	0.013	0.3	0.0000	0.0000	OK
480 minute summer	DUMMY	216	41.942	0.007	0.1	0.0002	0.0000	OK
480 minute summer	SWMH-02	296	44.098	0.178	0.1	0.2017	0.0000	SURCHARGED
480 minute summer	TANK	296	44.098	0.198	0.6	1.1301	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
480 minute summer	SWPC-01	Pump		0.1				0.5
480 minute summer	SWMH-01	Pipe 1	CWMH-02	0.3	0.538	0.034	0.0006	6.2
480 minute summer	DUMMY	Pipe 2	SWPC-01	0.1	0.390	0.010	0.0003	
480 minute summer	SWMH-02	Pipe 4	TANK	0.1	0.073	0.004	0.0176	
480 minute summer	TANK	Pipe 3	SWMH-01	-0.5	0.193	-0.017	0.0187	



Results for 100 year +30% CC 480 minute winter. 664 minute analysis at 8 minute timestep. Mass balance: 98.47%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute winter	SWPC-01	208	41.185	-0.725	0.1	0.0000	0.0000	OK
480 minute winter	SWMH-01	304	44.039	0.169	1.4	0.2271	0.0000	SURCHARGED
480 minute winter	CWMH-02	272	43.858	0.013	0.3	0.0000	0.0000	OK
480 minute winter	DUMMY	208	41.942	0.007	0.1	0.0002	0.0000	OK
480 minute winter	SWMH-02	304	44.039	0.119	0.1	0.1351	0.0000	OK
480 minute winter	TANK	304	44.039	0.139	0.7	0.7949	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	SWPC-01	Pump		0.1				0.6
480 minute winter	SWMH-01	Pipe 1	CWMH-02	0.3	0.538	0.034	0.0006	6.0
480 minute winter	DUMMY	Pipe 2	SWPC-01	0.1	0.390	0.010	0.0003	
480 minute winter	SWMH-02	Pipe 4	TANK	-0.1	-0.077	-0.004	0.0161	
480 minute winter	TANK	Pipe 3	SWMH-01	1.3	0.223	0.044	0.0184	



Results for 100 year +30% CC 600 minute summer. 780 minute analysis at 15 minute timestep. Mass balance: 98.57%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
600 minute summer	SWPC-01	285	41.185	-0.725	0.1	0.0000	0.0000	OK
600 minute summer	SWMH-01	360	44.042	0.172	0.6	0.2311	0.0000	SURCHARGED
600 minute summer	CWMH-02	330	43.858	0.013	0.3	0.0000	0.0000	OK
600 minute summer	DUMMY	285	41.942	0.007	0.1	0.0002	0.0000	OK
600 minute summer	SWMH-02	360	44.042	0.122	0.0	0.1385	0.0000	OK
600 minute summer	TANK	360	44.042	0.142	0.2	0.8121	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
600 minute summer	SWPC-01	Pump		0.1				0.5
600 minute summer	SWMH-01	Pipe 1	CWMH-02	0.3	0.538	0.034	0.0006	6.6
600 minute summer	DUMMY	Pipe 2	SWPC-01	0.1	0.390	0.010	0.0003	
600 minute summer	SWMH-02	Pipe 4	TANK	0.1	0.034	0.004	0.0163	
600 minute summer	TANK	Pipe 3	SWMH-01	0.5	0.144	0.017	0.0185	



Results for 100 year +30% CC 600 minute winter. 780 minute analysis at 15 minute timestep. Mass balance: 98.50%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute winter	SWPC-01	285	41.185	-0.725	0.1	0.0000	0.0000	OK
600 minute winter	SWMH-01	360	43.988	0.118	0.6	0.1587	0.0000	SURCHARGED
600 minute winter	CWMH-02	360	43.858	0.013	0.3	0.0000	0.0000	OK
600 minute winter	DUMMY	285	41.942	0.007	0.1	0.0002	0.0000	OK
600 minute winter	SWMH-02	360	43.988	0.068	0.1	0.0773	0.0000	OK
600 minute winter	TANK	360	43.988	0.088	0.2	0.5036	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	SWPC-01	Pump		0.1				0.5
600 minute winter	SWMH-01	Pipe 1	CWMH-02	0.3	0.536	0.034	0.0006	6.3
600 minute winter	DUMMY	Pipe 2	SWPC-01	0.1	0.390	0.010	0.0003	
600 minute winter	SWMH-02	Pipe 4	TANK	0.1	-0.062	0.004	0.0093	
600 minute winter	TANK	Pipe 3	SWMH-01	0.5	0.118	0.016	0.0136	



Results for 100 year +30% CC 720 minute summer. 900 minute analysis at 15 minute timestep. Mass balance: 98.70%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute summer	SWPC-01	345	41.185	-0.725	0.1	0.0000	0.0000	OK
720 minute summer	SWMH-01	420	44.046	0.176	1.3	0.2354	0.0000	SURCHARGED
720 minute summer	CWMH-02	390	43.858	0.013	0.3	0.0000	0.0000	OK
720 minute summer	DUMMY	345	41.942	0.007	0.1	0.0002	0.0000	OK
720 minute summer	SWMH-02	420	44.046	0.126	0.2	0.1421	0.0000	OK
720 minute summer	TANK	420	44.046	0.146	0.5	0.8301	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	SWPC-01	Pump		0.1				0.5
720 minute summer	SWMH-01	Pipe 1	CWMH-02	0.3	0.538	0.034	0.0006	7.4
720 minute summer	DUMMY	Pipe 2	SWPC-01	0.1	0.390	0.010	0.0003	
720 minute summer	SWMH-02	Pipe 4	TANK	-0.2	-0.112	-0.007	0.0166	
720 minute summer	TANK	Pipe 3	SWMH-01	1.2	0.241	0.040	0.0186	



Results for 100 year +30% CC 720 minute winter. 900 minute analysis at 15 minute timestep. Mass balance: 98.61%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute winter	SWPC-01	360	41.185	-0.725	0.1	0.0000	0.0000	OK
720 minute winter	SWMH-01	405	43.974	0.104	0.5	0.1398	0.0000	SURCHARGED
720 minute winter	CWMH-02	405	43.858	0.013	0.3	0.0000	0.0000	OK
720 minute winter	DUMMY	360	41.942	0.007	0.1	0.0002	0.0000	OK
720 minute winter	SWMH-02	405	43.974	0.054	0.0	0.0614	0.0000	OK
720 minute winter	TANK	405	43.974	0.074	0.2	0.4236	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	SWPC-01	Pump		0.1				0.3
720 minute winter	SWMH-01	Pipe 1	CWMH-02	0.3	0.534	0.033	0.0006	7.0
720 minute winter	DUMMY	Pipe 2	SWPC-01	0.1	0.390	0.010	0.0003	
720 minute winter	SWMH-02	Pipe 4	TANK	0.0	-0.011	0.001	0.0072	
720 minute winter	TANK	Pipe 3	SWMH-01	0.4	0.162	0.012	0.0116	



Results for 100 year +30% CC 960 minute summer. 1140 minute analysis at 15 minute timestep. Mass balance: 98.58%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute summer	SWPC-01	480	41.185	-0.725	0.1	0.0000	0.0000	OK
960 minute summer	SWMH-01	525	43.991	0.121	0.5	0.1625	0.0000	SURCHARGED
960 minute summer	CWMH-02	525	43.858	0.013	0.3	0.0000	0.0000	OK
960 minute summer	DUMMY	480	41.942	0.007	0.1	0.0002	0.0000	OK
960 minute summer	SWMH-02	525	43.991	0.071	0.0	0.0806	0.0000	OK
960 minute summer	TANK	525	43.991	0.091	0.9	0.5203	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	SWPC-01	Pump		0.1				0.3
960 minute summer	SWMH-01	Pipe 1	CWMH-02	0.3	0.536	0.034	0.0006	6.8
960 minute summer	DUMMY	Pipe 2	SWPC-01	0.1	0.390	0.010	0.0003	
960 minute summer	SWMH-02	Pipe 4	TANK	0.3	0.120	0.010	0.0097	
960 minute summer	TANK	Pipe 3	SWMH-01	-0.7	-0.201	-0.023	0.0140	



Results for 100 year +30% CC 960 minute winter. 1140 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	SWPC-01	15	41.085	-0.825	0.0	0.0000	0.0000	OK
960 minute winter	SWMH-01	555	43.943	0.073	0.5	0.0975	0.0000	OK
960 minute winter	CWMH-02	555	43.857	0.012	0.3	0.0000	0.0000	OK
960 minute winter	DUMMY	15	41.935	0.000	0.0	0.0000	0.0000	OK
960 minute winter	SWMH-02	555	43.943	0.023	0.0	0.0258	0.0000	OK
960 minute winter	TANK	555	43.943	0.043	0.1	0.2438	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	SWPC-01	Pump		0.0				0.0
960 minute winter	SWMH-01	Pipe 1	CWMH-02	0.3	0.522	0.031	0.0006	7.6
960 minute winter	DUMMY	Pipe 2	SWPC-01	0.0	0.000	0.000	0.0000	
960 minute winter	SWMH-02	Pipe 4	TANK	0.0	0.036	0.001	0.0029	
960 minute winter	TANK	Pipe 3	SWMH-01	0.4	0.172	0.013	0.0067	



Results for 100 year +30% CC 1440 minute summer. 1620 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	SWPC-01	30	41.085	-0.825	0.0	0.0000	0.0000	OK
1440 minute summer	SWMH-01	780	43.941	0.071	0.3	0.0950	0.0000	OK
1440 minute summer	CWMH-02	780	43.857	0.012	0.3	0.0000	0.0000	OK
1440 minute summer	DUMMY	30	41.935	0.000	0.0	0.0000	0.0000	OK
1440 minute summer	SWMH-02	780	43.941	0.021	0.0	0.0237	0.0000	OK
1440 minute summer	TANK	780	43.941	0.041	0.2	0.2333	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	SWPC-01	Pump		0.0				0.0
1440 minute summer	SWMH-01	Pipe 1	CWMH-02	0.3	0.519	0.030	0.0006	6.5
1440 minute summer	DUMMY	Pipe 2	SWPC-01	0.0	0.000	0.000	0.0000	
1440 minute summer	SWMH-02	Pipe 4	TANK	0.0	0.020	0.001	0.0027	
1440 minute summer	TANK	Pipe 3	SWMH-01	-0.2	0.069	-0.006	0.0064	



Results for 100 year +30% CC 1440 minute winter. 1620 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 (m ³)	Flood (m ³)	Status
1440 minute winter	SWPC-01	30	41.085	-0.825	0.0	0.0000	0.0000	OK
1440 minute winter	SWMH-01	870	43.916	0.046	0.2	0.0617	0.0000	OK
1440 minute winter	CWMH-02	870	43.855	0.010	0.2	0.0000	0.0000	OK
1440 minute winter	DUMMY	30	41.935	0.000	0.0	0.0000	0.0000	OK
1440 minute winter	SWMH-02	30	43.920	0.000	0.0	0.0000	0.0000	OK
1440 minute winter	TANK	870	43.916	0.016	0.0	0.0916	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
1440 minute winter	SWPC-01	Pump		0.0				0.0
1440 minute winter	SWMH-01	Pipe 1	CWMH-02	0.2	0.468	0.021	0.0004	6.5
1440 minute winter	DUMMY	Pipe 2	SWPC-01	0.0	0.000	0.000	0.0000	
1440 minute winter	SWMH-02	Pipe 4	TANK	0.0	0.000	0.000	0.0005	
1440 minute winter	TANK	Pipe 3	SWMH-01	0.1	0.071	0.004	0.0030	



Results for 100 year +30% CC 2160 minute summer. 2340 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2160 minute summer	SWPC-01	60	41.085	-0.825	0.0	0.0000	0.0000	OK
2160 minute summer	SWMH-01	1200	43.916	0.046	0.2	0.0617	0.0000	OK
2160 minute summer	CWMH-02	1200	43.855	0.010	0.2	0.0000	0.0000	OK
2160 minute summer	DUMMY	60	41.935	0.000	0.0	0.0000	0.0000	OK
2160 minute summer	SWMH-02	60	43.920	0.000	0.0	0.0000	0.0000	OK
2160 minute summer	TANK	1200	43.916	0.016	0.0	0.0915	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2160 minute summer	SWPC-01	Pump		0.0				0.0
2160 minute summer	SWMH-01	Pipe 1	CWMH-02	0.2	0.468	0.021	0.0004	5.8
2160 minute summer	DUMMY	Pipe 2	SWPC-01	0.0	0.000	0.000	0.0000	
2160 minute summer	SWMH-02	Pipe 4	TANK	0.0	0.000	0.000	0.0005	
2160 minute summer	TANK	Pipe 3	SWMH-01	0.0	0.019	-0.001	0.0030	



Results for 100 year +30% CC 2160 minute winter. 2340 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2160 minute winter	SWPC-01	60	41.085	-0.825	0.0	0.0000	0.0000	OK
2160 minute winter	SWMH-01	1140	43.915	0.045	0.2	0.0609	0.0000	OK
2160 minute winter	CWMH-02	1140	43.855	0.010	0.2	0.0000	0.0000	OK
2160 minute winter	DUMMY	60	41.935	0.000	0.0	0.0000	0.0000	OK
2160 minute winter	SWMH-02	60	43.920	0.000	0.0	0.0000	0.0000	OK
2160 minute winter	TANK	1140	43.915	0.015	0.0	0.0879	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2160 minute winter	SWPC-01	Pump		0.0				0.0
2160 minute winter	SWMH-01	Pipe 1	CWMH-02	0.2	0.466	0.021	0.0004	6.5
2160 minute winter	DUMMY	Pipe 2	SWPC-01	0.0	0.000	0.000	0.0000	
2160 minute winter	SWMH-02	Pipe 4	TANK	0.0	0.000	0.000	0.0005	
2160 minute winter	TANK	Pipe 3	SWMH-01	0.0	0.018	-0.001	0.0029	



Results for 100 year +30% CC 2880 minute summer. 3060 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute summer	SWPC-01	60	41.085	-0.825	0.0	0.0000	0.0000	OK
2880 minute summer	SWMH-01	1560	43.916	0.046	0.2	0.0617	0.0000	OK
2880 minute summer	CWMH-02	1560	43.855	0.010	0.2	0.0000	0.0000	OK
2880 minute summer	DUMMY	60	41.935	0.000	0.0	0.0000	0.0000	OK
2880 minute summer	SWMH-02	60	43.920	0.000	0.0	0.0000	0.0000	OK
2880 minute summer	TANK	1560	43.916	0.016	0.0	0.0915	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute summer	SWPC-01	Pump		0.0				0.0
2880 minute summer	SWMH-01	Pipe 1	CWMH-02	0.2	0.468	0.021	0.0004	6.5
2880 minute summer	DUMMY	Pipe 2	SWPC-01	0.0	0.000	0.000	0.0000	
2880 minute summer	SWMH-02	Pipe 4	TANK	0.0	0.000	0.000	0.0005	
2880 minute summer	TANK	Pipe 3	SWMH-01	0.0	0.019	-0.001	0.0030	



Results for 100 year +30% CC 2880 minute winter. 3060 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
2880 minute winter	SWPC-01	60	41.085	-0.825	0.0	0.0000	0.0000	OK
2880 minute winter	SWMH-01	1020	43.898	0.028	0.1	0.0373	0.0000	OK
2880 minute winter	CWMH-02	1020	43.852	0.007	0.1	0.0000	0.0000	OK
2880 minute winter	DUMMY	60	41.935	0.000	0.0	0.0000	0.0000	OK
2880 minute winter	SWMH-02	60	43.920	0.000	0.0	0.0000	0.0000	OK
2880 minute winter	TANK	60	43.900	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
2880 minute winter	SWPC-01	Pump		0.0				0.0
2880 minute winter	SWMH-01	Pipe 1	CWMH-02	0.1	0.384	0.010	0.0003	6.5
2880 minute winter	DUMMY	Pipe 2	SWPC-01	0.0	0.000	0.000	0.0000	
2880 minute winter	SWMH-02	Pipe 4	TANK	0.0	0.000	0.000	0.0000	
2880 minute winter	TANK	Pipe 3	SWMH-01	0.0	0.000	0.000	0.0012	



Results for 100 year +30% CC 4320 minute summer. 4500 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
4320 minute summer	SWPC-01	60	41.085	-0.825	0.0	0.0000	0.0000	OK
4320 minute summer	SWMH-01	1800	43.898	0.028	0.1	0.0373	0.0000	OK
4320 minute summer	CWMH-02	1800	43.852	0.007	0.1	0.0000	0.0000	OK
4320 minute summer	DUMMY	60	41.935	0.000	0.0	0.0000	0.0000	OK
4320 minute summer	SWMH-02	60	43.920	0.000	0.0	0.0000	0.0000	OK
4320 minute summer	TANK	60	43.900	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
4320 minute summer	SWPC-01	Pump		0.0				0.0
4320 minute summer	SWMH-01	Pipe 1	CWMH-02	0.1	0.384	0.010	0.0003	5.8
4320 minute summer	DUMMY	Pipe 2	SWPC-01	0.0	0.000	0.000	0.0000	
4320 minute summer	SWMH-02	Pipe 4	TANK	0.0	0.000	0.000	0.0000	
4320 minute summer	TANK	Pipe 3	SWMH-01	0.0	0.000	0.000	0.0012	



Results for 100 year +30% CC 4320 minute winter. 4500 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
4320 minute winter	SWPC-01	60	41.085	-0.825	0.0	0.0000	0.0000	OK
4320 minute winter	SWMH-01	1680	43.898	0.028	0.1	0.0373	0.0000	OK
4320 minute winter	CWMH-02	1680	43.852	0.007	0.1	0.0000	0.0000	OK
4320 minute winter	DUMMY	60	41.935	0.000	0.0	0.0000	0.0000	OK
4320 minute winter	SWMH-02	60	43.920	0.000	0.0	0.0000	0.0000	OK
4320 minute winter	TANK	60	43.900	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
4320 minute winter	SWPC-01	Pump		0.0				0.0
4320 minute winter	SWMH-01	Pipe 1	CWMH-02	0.1	0.384	0.010	0.0003	7.2
4320 minute winter	DUMMY	Pipe 2	SWPC-01	0.0	0.000	0.000	0.0000	
4320 minute winter	SWMH-02	Pipe 4	TANK	0.0	0.000	0.000	0.0000	
4320 minute winter	TANK	Pipe 3	SWMH-01	0.0	0.000	0.000	0.0012	



Results for 100 year +30% CC 5760 minute summer. 5940 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
5760 minute summer	SWPC-01	60	41.085	-0.825	0.0	0.0000	0.0000	OK
5760 minute summer	SWMH-01	2460	43.898	0.028	0.1	0.0373	0.0000	OK
5760 minute summer	CWMH-02	2460	43.852	0.007	0.1	0.0000	0.0000	OK
5760 minute summer	DUMMY	60	41.935	0.000	0.0	0.0000	0.0000	OK
5760 minute summer	SWMH-02	60	43.920	0.000	0.0	0.0000	0.0000	OK
5760 minute summer	TANK	60	43.900	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute summer	SWPC-01	Pump		0.0				0.0
5760 minute summer	SWMH-01	Pipe 1	CWMH-02	0.1	0.384	0.010	0.0003	6.5
5760 minute summer	DUMMY	Pipe 2	SWPC-01	0.0	0.000	0.000	0.0000	
5760 minute summer	SWMH-02	Pipe 4	TANK	0.0	0.000	0.000	0.0000	
5760 minute summer	TANK	Pipe 3	SWMH-01	0.0	0.000	0.000	0.0012	



Results for 100 year +30% CC 5760 minute winter. 5940 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
5760 minute winter	SWPC-01	60	41.085	-0.825	0.0	0.0000	0.0000	OK
5760 minute winter	SWMH-01	2400	43.898	0.028	0.1	0.0373	0.0000	OK
5760 minute winter	CWMH-02	2400	43.852	0.007	0.1	0.0000	0.0000	OK
5760 minute winter	DUMMY	60	41.935	0.000	0.0	0.0000	0.0000	OK
5760 minute winter	SWMH-02	60	43.920	0.000	0.0	0.0000	0.0000	OK
5760 minute winter	TANK	60	43.900	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
5760 minute winter	SWPC-01	Pump		0.0				0.0
5760 minute winter	SWMH-01	Pipe 1	CWMH-02	0.1	0.384	0.010	0.0003	7.2
5760 minute winter	DUMMY	Pipe 2	SWPC-01	0.0	0.000	0.000	0.0000	
5760 minute winter	SWMH-02	Pipe 4	TANK	0.0	0.000	0.000	0.0000	
5760 minute winter	TANK	Pipe 3	SWMH-01	0.0	0.000	0.000	0.0012	



Results for 100 year +30% CC 7200 minute summer. 7380 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
7200 minute summer	SWPC-01	60	41.085	-0.825	0.0	0.0000	0.0000	OK
7200 minute summer	SWMH-01	3180	43.898	0.028	0.1	0.0373	0.0000	OK
7200 minute summer	CWMH-02	3180	43.852	0.007	0.1	0.0000	0.0000	OK
7200 minute summer	DUMMY	60	41.935	0.000	0.0	0.0000	0.0000	OK
7200 minute summer	SWMH-02	60	43.920	0.000	0.0	0.0000	0.0000	OK
7200 minute summer	TANK	60	43.900	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
7200 minute summer	SWPC-01	Pump		0.0				0.0
7200 minute summer	SWMH-01	Pipe 1	CWMH-02	0.1	0.384	0.010	0.0003	6.5
7200 minute summer	DUMMY	Pipe 2	SWPC-01	0.0	0.000	0.000	0.0000	
7200 minute summer	SWMH-02	Pipe 4	TANK	0.0	0.000	0.000	0.0000	
7200 minute summer	TANK	Pipe 3	SWMH-01	0.0	0.000	0.000	0.0012	



Results for 100 year +30% CC 7200 minute winter. 7380 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
7200 minute winter	SWPC-01	60	41.085	-0.825	0.0	0.0000	0.0000	OK
7200 minute winter	SWMH-01	3240	43.898	0.028	0.1	0.0373	0.0000	OK
7200 minute winter	CWMH-02	3240	43.852	0.007	0.1	0.0000	0.0000	OK
7200 minute winter	DUMMY	60	41.935	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	SWMH-02	60	43.920	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	TANK	60	43.900	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
7200 minute winter	SWPC-01	Pump		0.0				0.0
7200 minute winter	SWMH-01	Pipe 1	CWMH-02	0.1	0.384	0.010	0.0003	5.8
7200 minute winter	DUMMY	Pipe 2	SWPC-01	0.0	0.000	0.000	0.0000	
7200 minute winter	SWMH-02	Pipe 4	TANK	0.0	0.000	0.000	0.0000	
7200 minute winter	TANK	Pipe 3	SWMH-01	0.0	0.000	0.000	0.0012	



Results for 100 year +30% CC 8640 minute summer. 8820 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
8640 minute summer	SWPC-01	60	41.085	-0.825	0.0	0.0000	0.0000	OK
8640 minute summer	SWMH-01	3960	43.898	0.028	0.1	0.0373	0.0000	OK
8640 minute summer	CWMH-02	3960	43.852	0.007	0.1	0.0000	0.0000	OK
8640 minute summer	DUMMY	60	41.935	0.000	0.0	0.0000	0.0000	OK
8640 minute summer	SWMH-02	60	43.920	0.000	0.0	0.0000	0.0000	OK
8640 minute summer	TANK	60	43.900	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
8640 minute summer	SWPC-01	Pump		0.0				0.0
8640 minute summer	SWMH-01	Pipe 1	CWMH-02	0.1	0.384	0.010	0.0003	5.8
8640 minute summer	DUMMY	Pipe 2	SWPC-01	0.0	0.000	0.000	0.0000	
8640 minute summer	SWMH-02	Pipe 4	TANK	0.0	0.000	0.000	0.0000	
8640 minute summer	TANK	Pipe 3	SWMH-01	0.0	0.000	0.000	0.0012	



Results for 100 year +30% CC 8640 minute winter. 8820 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
8640 minute winter	SWPC-01	60	41.085	-0.825	0.0	0.0000	0.0000	OK
8640 minute winter	SWMH-01	4260	43.898	0.028	0.1	0.0373	0.0000	OK
8640 minute winter	CWMH-02	4260	43.852	0.007	0.1	0.0000	0.0000	OK
8640 minute winter	DUMMY	60	41.935	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	SWMH-02	60	43.920	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	TANK	60	43.900	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
8640 minute winter	SWPC-01	Pump		0.0				0.0
8640 minute winter	SWMH-01	Pipe 1	CWMH-02	0.1	0.384	0.010	0.0003	2.2
8640 minute winter	DUMMY	Pipe 2	SWPC-01	0.0	0.000	0.000	0.0000	
8640 minute winter	SWMH-02	Pipe 4	TANK	0.0	0.000	0.000	0.0000	
8640 minute winter	TANK	Pipe 3	SWMH-01	0.0	0.000	0.000	0.0012	



Results for 100 year +30% CC 10080 minute summer. 10260 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
10080 minute summer	SWPC-01	60	41.085	-0.825	0.0	0.0000	0.0000	OK
10080 minute summer	SWMH-01	4740	43.898	0.028	0.1	0.0373	0.0000	OK
10080 minute summer	CWMH-02	4740	43.852	0.007	0.1	0.0000	0.0000	OK
10080 minute summer	DUMMY	60	41.935	0.000	0.0	0.0000	0.0000	OK
10080 minute summer	SWMH-02	60	43.920	0.000	0.0	0.0000	0.0000	OK
10080 minute summer	TANK	60	43.900	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
10080 minute summer	SWPC-01	Pump		0.0				0.0
10080 minute summer	SWMH-01	Pipe 1	CWMH-02	0.1	0.384	0.010	0.0003	5.1
10080 minute summer	DUMMY	Pipe 2	SWPC-01	0.0	0.000	0.000	0.0000	
10080 minute summer	SWMH-02	Pipe 4	TANK	0.0	0.000	0.000	0.0000	
10080 minute summer	TANK	Pipe 3	SWMH-01	0.0	0.000	0.000	0.0012	



Results for 100 year +30% CC 10080 minute winter. 10260 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
10080 minute winter	SWPC-01	60	41.085	-0.825	0.0	0.0000	0.0000	OK
10080 minute winter	SWMH-01	60	43.870	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	CWMH-02	60	43.845	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	DUMMY	60	41.935	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	SWMH-02	60	43.920	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	TANK	60	43.900	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
10080 minute winter	SWPC-01	Pump		0.0				0.0
10080 minute winter	SWMH-01	Pipe 1	CWMH-02	0.0	0.000	0.000	0.0000	0.0
10080 minute winter	DUMMY	Pipe 2	SWPC-01	0.0	0.000	0.000	0.0000	
10080 minute winter	SWMH-02	Pipe 4	TANK	0.0	0.000	0.000	0.0000	
10080 minute winter	TANK	Pipe 3	SWMH-01	0.0	0.000	0.000	0.0000	