



Design Settings

Rainfall Methodology	FSR	Maximum Time of Concentration (mins)	30.00
Return Period (years)	1	Maximum Rainfall (mm/hr)	50.0
Additional Flow (%)	0	Minimum Velocity (m/s)	1.00
FSR Region	England and Wales	Connection Type	Level Soffits
M5-60 (mm)	17.000	Minimum Backdrop Height (m)	0.200
Ratio-R	0.300	Preferred Cover Depth (m)	1.200
CV	1.000	Include Intermediate Ground	✓
Time of Entry (mins)	5.00	Enforce best practice design rules	✓

Nodes

Name	Area (ha)	T of E (mins)	Cover Level (m)	Node Type	Diameter (mm)	Easting (m)	Northing (m)	Depth (m)
Basin	0.000	5.00	31.350	Junction		440759.519	563509.450	1.130
02A	0.033	5.00	31.350	Manhole	1500	440751.721	563520.983	1.150
02	0.091	5.00	32.530	Manhole	1800	440747.404	563544.260	2.760
01	0.058	5.00	34.080	Junction	1800	440700.509	563547.910	4.340
03	0.078	5.00	33.530	Manhole	2100	440716.370	563546.180	3.822
04	0.069	5.00	31.970	Manhole	1800	440712.214	563493.592	2.366
05	0.148	5.00	31.440	Manhole	1800	440714.244	563476.010	1.871
06HB	0.000		32.100	Manhole	2400	440689.081	563473.105	2.580
07DD	0.000		32.190	Manhole	1200	440684.604	563472.540	2.700
C1			32.320	Junction	1200	440679.373	563472.017	2.865
C2	0.000		32.270	Manhole	1200	440673.762	563467.546	2.863

Links

Name	US Node	DS Node	Length (m)	ks (mm) / n	US IL (m)	DS IL (m)	Fall (m)	Slope (1:X)	Dia (mm)	T of C (mins)	Rain (mm/hr)
1.000	Basin	02A	3.000	0.600	30.220	30.200	0.020	150.0	450	5.03	40.3
1.001	02A	02	23.674	0.600	30.200	30.145	0.055	430.4	450	5.44	39.0
1.002	02	03	31.093	0.600	29.770	29.708	0.062	501.5	825	5.83	37.9
2.000	01	03	15.955	0.600	29.740	29.708	0.032	498.6	825	5.20	39.7
1.003	03	04	52.752	0.600	29.708	29.604	0.104	507.2	825	6.50	36.2
1.004	04	05	17.699	0.600	29.604	29.569	0.035	505.7	825	6.72	35.7
1.005	05	06HB	25.330	0.600	29.569	29.520	0.049	516.9	825	7.05	34.9
1.006	06HB	07DD	4.513	0.600	29.520	29.490	0.030	150.4	300	7.11	34.8
1.007	07DD	C1	5.257	0.600	29.490	29.455	0.035	150.2	300	7.18	34.6
1.008	C1	C2	7.174	0.600	29.455	29.407	0.048	150.0	300	7.27	34.4

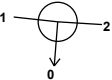
Name	Vel (m/s)	Cap (l/s)	Flow (l/s)	US Depth (m)	DS Depth (m)	Maximum Depth (m)	Σ Area (ha)	Σ Add Inflow (l/s)
1.000	1.657	263.6	0.0	0.680	0.700	0.700	0.000	0.0
1.001	0.973	154.8	4.7	0.700	1.935	1.935	0.033	0.0
1.002	1.319	704.9	17.0	1.935	2.997	2.997	0.124	0.0
2.000	1.322	707.0	8.3	3.515	2.997	3.515	0.058	0.0
1.003	1.311	700.9	34.0	2.997	1.541	2.997	0.260	0.0
1.004	1.313	701.9	42.4	1.541	1.046	1.541	0.329	0.0
1.005	1.299	694.2	60.2	1.046	1.755	1.755	0.477	0.0
1.006	1.279	90.4	60.0	2.280	2.400	2.400	0.477	0.0
1.007	1.280	90.5	59.7	2.400	2.565	2.565	0.477	0.0
1.008	1.281	90.6	59.4	2.565	2.563	2.565	0.477	0.0

Pipeline Schedule

Link	Length (m)	Slope (1:X)	Dia (mm)	Link Type	US CL (m)	US IL (m)	US Depth (m)	DS CL (m)	DS IL (m)	DS Depth (m)
1.000	3.000	150.0	450	Circular	31.350	30.220	0.680	31.350	30.200	0.700
1.001	23.674	430.4	450	Circular	31.350	30.200	0.700	32.530	30.145	1.935
1.002	31.093	501.5	825	Circular	32.530	29.770	1.935	33.530	29.708	2.997
2.000	15.955	498.6	825	Circular	34.080	29.740	3.515	33.530	29.708	2.997
1.003	52.752	507.2	825	Circular	33.530	29.708	2.997	31.970	29.604	1.541
1.004	17.699	505.7	825	Circular	31.970	29.604	1.541	31.440	29.569	1.046
1.005	25.330	516.9	825	Circular	31.440	29.569	1.046	32.100	29.520	1.755
1.006	4.513	150.4	300	Circular	32.100	29.520	2.280	32.190	29.490	2.400
1.007	5.257	150.2	300	Circular	32.190	29.490	2.400	32.320	29.455	2.565
1.008	7.174	150.0	300	Circular	32.320	29.455	2.565	32.270	29.407	2.563

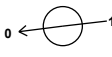
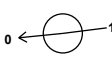
Link	US Node	Dia (mm)	Node Type	MH Type	DS Node	Dia (mm)	Node Type	MH Type
1.000	Basin		Junction		02A	1500	Manhole	Adoptable
1.001	02A	1500	Manhole	Adoptable	02	1800	Manhole	Adoptable
1.002	02	1800	Manhole	Adoptable	03	2100	Manhole	Adoptable
2.000	01	1800	Junction		03	2100	Manhole	Adoptable
1.003	03	2100	Manhole	Adoptable	04	1800	Manhole	Adoptable
1.004	04	1800	Manhole	Adoptable	05	1800	Manhole	Adoptable
1.005	05	1800	Manhole	Adoptable	06HB	2400	Manhole	Adoptable
1.006	06HB	2400	Manhole	Adoptable	07DD	1200	Manhole	Adoptable
1.007	07DD	1200	Manhole	Adoptable	C1	1200	Junction	
1.008	C1	1200	Junction		C2	1200	Manhole	Adoptable

Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)
Basin	440759.519	563509.450	31.350	1.130					
						0	1.000	30.220	450
02A	440751.721	563520.983	31.350	1.150	1500		1	1.000	30.200
						0	1.001	30.200	450
02	440747.404	563544.260	32.530	2.760	1800		1	1.001	30.145
						0	1.002	29.770	825
01	440700.509	563547.910	34.080	4.340	1800		0	2.000	29.740
						0	2.000	29.708	825
03	440716.370	563546.180	33.530	3.822	2100		1	1.002	29.708
						0	1.003	29.708	825
04	440712.214	563493.592	31.970	2.366	1800		1	1.003	29.604
						0	1.004	29.604	825



Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)
05	440714.244	563476.010	31.440	1.871	1800		1 1.004	29.569	825
						0	1.005	29.569	825
06HB	440689.081	563473.105	32.100	2.580	2400		1 1.005	29.520	825
						0	1.006	29.520	300
07DD	440684.604	563472.540	32.190	2.700	1200		1 1.006	29.490	300
						0	1.007	29.490	300
C1	440679.373	563472.017	32.320	2.865	1200		1 1.007	29.455	300
						0	1.008	29.455	300
C2	440673.762	563467.546	32.270	2.863	1200		1 1.008	29.407	300

Simulation Settings

Rainfall Methodology	FSR	Drain Down Time (mins)	240
FSR Region	England and Wales	Additional Storage (m³/ha)	25.0
M5-60 (mm)	17.000	Check Discharge Rate(s)	✓
Ratio-R	0.300	1 year (l/s)	1.7
Summer CV	1.000	30 year (l/s)	3.4
Winter CV	1.000	100 year (l/s)	4.1
Analysis Speed	Normal	Check Discharge Volume	✓
Skip Steady State	x	100 year 360 minute (m³)	133

Storm Durations

15 | 30 | 60 | 120 | 180 | 240 | 360 | 480 | 600 | 720 | 960 | 1440 | 2160

Return Period (years)	Climate Change (CC %)	Additional Area (A %)	Additional Flow (Q %)
1	0	0	0
2	0	0	0
5	0	0	0
30	0	0	0
100	45	0	0

Pre-development Discharge Rate

Site Makeup	Greenfield	Growth Factor 30 year	1.75
Greenfield Method	IH124	Growth Factor 100 year	2.08
Positively Drained Area (ha)	0.470	Betterment (%)	0
SAAR (mm)	620	QBar	2.0
Soil Index	4	Q 1 year (l/s)	1.7
SPR	0.47	Q 30 year (l/s)	3.4
Region	3	Q 100 year (l/s)	4.1
Growth Factor 1 year	0.86		

Pre-development Discharge Volume

Site Makeup	Greenfield	Return Period (years)	100
Greenfield Method	FSR/FEH	Climate Change (%)	0
Positively Drained Area (ha)	0.470	Storm Duration (mins)	360
Soil Index	4	Betterment (%)	0
SPR	0.47	PR	0.429
CWI	93.333	Runoff Volume (m³)	123

Node 06HB Online Hydro-Brake® Control

Flap Valve	x	Objective	(HE) Minimise upstream storage
Replaces Downstream Link	✓	Sump Available	✓
Invert Level (m)	29.520	Product Number	CTL-SHE-0075-3000-1500-3000
Design Depth (m)	1.500	Min Outlet Diameter (m)	0.100
Design Flow (l/s)	3.0	Min Node Diameter (mm)	1200

Node Basin Depth/Area Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Safety Factor	2.0	Invert Level (m)	30.220
Side Inf Coefficient (m/hr)	0.00000	Porosity	1.00	Time to half empty (mins)	

Depth (m)	Area (m²)	Inf Area (m²)	Depth (m)	Area (m²)	Inf Area (m²)
0.000	149.0	0.0	1.130	413.0	0.0

Results for 1 year Critical Storm Duration. Lowest mass balance: 98.63%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	Basin	28	30.224	0.004	1.3	0.5324	0.0000	OK
15 minute summer	02A	10	30.245	0.045	4.5	0.1116	0.0000	OK
360 minute summer	02	288	30.141	0.371	4.6	1.2484	0.0000	OK
360 minute summer	01	288	30.141	0.401	2.2	0.1338	0.0000	OK
360 minute summer	03	288	30.141	0.433	7.5	1.7192	0.0000	OK
360 minute summer	04	288	30.141	0.537	5.6	1.7573	0.0000	OK
360 minute summer	05	288	30.141	0.572	7.3	2.5855	0.0000	OK
360 minute summer	06HB	288	30.141	0.621	4.5	2.8084	0.0000	SURCHARGED
30 minute winter	07DD	18	29.526	0.036	2.6	0.0403	0.0000	OK
60 minute summer	C1	32	29.490	0.035	2.6	0.0000	0.0000	OK
180 minute winter	C2	84	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute summer	Basin	1.000	02A	-1.3	-0.453	-0.005	0.0120	
15 minute summer	02A	1.001	02	3.0	0.427	0.019	0.1662	
360 minute summer	02	1.002	03	3.0	0.224	0.004	8.0056	
360 minute summer	01	2.000	03	1.5	0.127	0.002	4.3047	
360 minute summer	03	1.003	04	3.4	0.246	0.005	17.1467	
360 minute summer	04	1.004	05	2.7	0.222	0.004	6.7374	
360 minute summer	05	1.005	06HB	4.5	0.230	0.006	10.4431	
360 minute summer	06HB	Hydro-Brake®	07DD	2.6				
30 minute winter	07DD	1.007	C1	2.6	0.555	0.029	0.0245	
60 minute summer	C1	1.008	C2	2.6	0.566	0.029	0.0328	44.1

Results for 2 year Critical Storm Duration. Lowest mass balance: 98.63%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute winter	Basin	344	30.256	0.036	2.1	5.5233	0.0000	OK
360 minute winter	02A	344	30.256	0.056	2.1	0.1392	0.0000	OK
360 minute winter	02	344	30.256	0.486	3.6	1.6373	0.0000	OK
360 minute winter	01	344	30.256	0.516	1.7	0.1723	0.0000	OK
360 minute winter	03	344	30.256	0.548	5.7	2.1777	0.0000	OK
360 minute winter	04	344	30.256	0.652	4.4	2.1346	0.0000	OK
360 minute winter	05	344	30.256	0.687	5.8	3.1065	0.0000	OK
360 minute winter	06HB	344	30.256	0.736	3.9	3.3296	0.0000	SURCHARGED
240 minute summer	07DD	108	29.526	0.036	2.6	0.0403	0.0000	OK
15 minute summer	C1	115	29.490	0.035	2.6	0.0000	0.0000	OK
120 minute summer	C2	56	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute winter	Basin	1.000	02A	-2.1	-0.486	-0.008	0.0258	
360 minute winter	02A	1.001	02	-1.7	0.293	-0.011	0.4931	
360 minute winter	02	1.002	03	2.3	0.215	0.003	10.9213	
360 minute winter	01	2.000	03	1.1	0.129	0.002	5.7964	
360 minute winter	03	1.003	04	3.2	0.248	0.005	21.8345	
360 minute winter	04	1.004	05	2.6	0.239	0.004	8.1975	
360 minute winter	05	1.005	06HB	3.9	0.251	0.006	12.3676	
360 minute winter	06HB	Hydro-Brake®	07DD	2.6				
240 minute summer	07DD	1.007	C1	2.6	0.555	0.029	0.0245	
15 minute summer	C1	1.008	C2	2.6	0.566	0.029	0.0328	36.1

Results for 5 year Critical Storm Duration. Lowest mass balance: 98.63%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute winter	Basin	344	30.350	0.130	7.1	21.3270	0.0000	OK
360 minute winter	02A	344	30.350	0.150	8.4	0.3725	0.0000	OK
360 minute winter	02	344	30.350	0.580	8.0	1.9537	0.0000	OK
360 minute winter	01	344	30.350	0.610	2.2	0.2037	0.0000	OK
360 minute winter	03	344	30.350	0.642	6.8	2.5509	0.0000	OK
360 minute winter	04	344	30.350	0.746	4.6	2.4420	0.0000	OK
360 minute winter	05	344	30.350	0.781	6.4	3.5311	0.0000	OK
360 minute winter	06HB	344	30.350	0.830	4.1	3.7543	0.0000	SURCHARGED
30 minute winter	07DD	15	29.526	0.036	2.6	0.0403	0.0000	OK
120 minute winter	C1	48	29.490	0.035	2.6	0.0000	0.0000	OK
120 minute winter	C2	48	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute winter	Basin	1.000	02A	-7.1	-0.806	-0.027	0.1260	
360 minute winter	02A	1.001	02	-7.6	0.307	-0.049	1.3777	
360 minute winter	02	1.002	03	-5.7	0.202	-0.008	13.1440	
360 minute winter	01	2.000	03	1.5	0.123	0.002	6.9210	
360 minute winter	03	1.003	04	2.8	0.267	0.004	25.1146	
360 minute winter	04	1.004	05	2.4	0.241	0.003	9.1098	
360 minute winter	05	1.005	06HB	4.1	0.248	0.006	13.3642	
360 minute winter	06HB	Hydro-Brake®	07DD	2.6				
30 minute winter	07DD	1.007	C1	2.6	0.555	0.029	0.0245	
120 minute winter	C1	1.008	C2	2.6	0.566	0.029	0.0328	46.2

Results for 30 year Critical Storm Duration. Lowest mass balance: 98.63%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute winter	Basin	464	30.606	0.386	13.5	74.9552	0.0000	OK
480 minute winter	02A	464	30.606	0.406	14.0	1.0098	0.0000	OK
480 minute winter	02	464	30.607	0.837	13.7	2.8203	0.0000	SURCHARGED
600 minute winter	01	570	30.609	0.869	3.2	0.2904	0.0000	SURCHARGED
480 minute winter	03	464	30.607	0.899	11.6	3.5735	0.0000	SURCHARGED
600 minute winter	04	570	30.609	1.005	5.4	3.2912	0.0000	SURCHARGED
600 minute winter	05	585	30.607	1.038	5.9	4.6956	0.0000	SURCHARGED
600 minute winter	06HB	585	30.607	1.087	4.6	4.9194	0.0000	SURCHARGED
120 minute winter	07DD	40	29.526	0.036	2.6	0.0403	0.0000	OK
60 minute summer	C1	24	29.490	0.035	2.6	0.0000	0.0000	OK
60 minute summer	C2	24	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute winter	Basin	1.000	02A	-13.5	-0.959	-0.051	0.4432	
480 minute winter	02A	1.001	02	-12.5	-0.315	-0.081	3.6595	
480 minute winter	02	1.002	03	-9.7	0.193	-0.014	16.5767	
600 minute winter	01	2.000	03	6.1	0.106	0.009	8.5061	
480 minute winter	03	1.003	04	-5.8	0.271	-0.008	28.1238	
600 minute winter	04	1.004	05	5.8	0.224	0.008	9.4359	
600 minute winter	05	1.005	06HB	4.6	0.184	0.007	13.5043	
600 minute winter	06HB	Hydro-Brake®	07DD	2.6				
120 minute winter	07DD	1.007	C1	2.6	0.554	0.029	0.0245	
60 minute summer	C1	1.008	C2	2.6	0.566	0.029	0.0328	40.1

Results for 100 year +45% CC Critical Storm Duration. Lowest mass balance: 98.63%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute winter	Basin	915	31.257	1.037	20.3	280.0172	0.0000	FLOOD RISK
960 minute winter	02A	885	31.258	1.058	21.1	2.6288	0.0000	FLOOD RISK
960 minute winter	02	930	31.256	1.486	20.3	5.0065	0.0000	SURCHARGED
960 minute winter	01	930	31.259	1.519	2.9	0.5074	0.0000	SURCHARGED
960 minute winter	03	885	31.256	1.548	15.1	6.1518	0.0000	SURCHARGED
960 minute winter	04	915	31.257	1.653	9.1	5.4119	0.0000	SURCHARGED
960 minute winter	05	930	31.258	1.689	7.4	7.6382	0.0000	FLOOD RISK
960 minute winter	06HB	930	31.258	1.738	4.1	7.8630	0.0000	SURCHARGED
960 minute winter	07DD	930	29.530	0.040	3.2	0.0448	0.0000	OK
960 minute winter	C1	930	29.494	0.039	3.2	0.0000	0.0000	OK
960 minute winter	C2	930	29.445	0.038	3.2	0.0000	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute winter	Basin	1.000	02A	-20.3	-0.760	-0.077	0.4753	
960 minute winter	02A	1.001	02	-19.4	0.292	-0.125	3.7510	
960 minute winter	02	1.002	03	-15.7	0.191	-0.022	16.5767	
960 minute winter	01	2.000	03	3.4	0.111	0.005	8.5061	
960 minute winter	03	1.003	04	-8.2	0.254	-0.012	28.1238	
960 minute winter	04	1.004	05	-5.6	0.229	-0.008	9.4359	
960 minute winter	05	1.005	06HB	4.1	0.180	0.006	13.5043	
960 minute winter	06HB	Hydro-Brake®	07DD	3.2				
960 minute winter	07DD	1.007	C1	3.2	0.590	0.035	0.0286	
960 minute winter	C1	1.008	C2	3.2	0.604	0.035	0.0381	199.6

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

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	Basin	18	30.223	0.003	1.4	0.4610	0.0000	OK
15 minute summer	02A	10	30.245	0.045	4.5	0.1116	0.0000	OK
15 minute summer	02	18	29.921	0.151	15.5	0.5090	0.0000	OK
15 minute summer	01	18	29.914	0.174	8.0	0.0580	0.0000	OK
15 minute summer	03	18	29.912	0.204	33.0	0.8120	0.0000	OK
15 minute summer	04	20	29.911	0.307	38.8	1.0042	0.0000	OK
15 minute summer	05	16	29.914	0.345	37.5	1.5591	0.0000	OK
15 minute summer	06HB	20	29.919	0.399	15.1	1.8071	0.0000	SURCHARGED
15 minute summer	07DD	63	29.526	0.036	2.6	0.0403	0.0000	OK
15 minute summer	C1	61	29.490	0.035	2.6	0.0000	0.0000	OK
15 minute summer	C2	61	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	Basin	1.000	02A	-1.4	-0.469	-0.005	0.0123	
15 minute summer	02A	1.001	02	3.0	0.427	0.019	0.1662	
15 minute summer	02	1.002	03	15.1	0.435	0.021	2.6320	
15 minute summer	01	2.000	03	7.3	0.262	0.010	1.4684	
15 minute summer	03	1.003	04	29.7	0.541	0.042	7.3309	
15 minute summer	04	1.004	05	17.1	0.362	0.024	3.4545	
15 minute summer	05	1.005	06HB	15.1	0.461	0.022	5.8984	
15 minute summer	06HB	Hydro-Brake®	07DD	2.6				
15 minute summer	07DD	1.007	C1	2.6	0.554	0.029	0.0245	
15 minute summer	C1	1.008	C2	2.6	0.566	0.029	0.0328	28.0

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

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	Basin	18	30.223	0.003	1.3	0.4444	0.0000	OK
15 minute winter	02A	10	30.244	0.044	4.3	0.1093	0.0000	OK
15 minute winter	02	18	29.921	0.151	14.6	0.5089	0.0000	OK
15 minute winter	01	18	29.915	0.175	7.5	0.0584	0.0000	OK
15 minute winter	03	18	29.913	0.205	31.0	0.8140	0.0000	OK
15 minute winter	04	20	29.911	0.307	35.9	1.0050	0.0000	OK
15 minute winter	05	16	29.913	0.344	34.8	1.5567	0.0000	OK
15 minute winter	06HB	20	29.920	0.400	17.5	1.8089	0.0000	SURCHARGED
15 minute winter	07DD	61	29.526	0.036	2.6	0.0403	0.0000	OK
15 minute winter	C1	61	29.490	0.035	2.6	0.0000	0.0000	OK
15 minute winter	C2	65	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute winter	Basin	1.000	02A	-1.3	-0.454	-0.005	0.0120	
15 minute winter	02A	1.001	02	2.8	0.424	0.018	0.1603	
15 minute winter	02	1.002	03	14.2	0.427	0.020	2.6374	
15 minute winter	01	2.000	03	6.9	0.263	0.010	1.4771	
15 minute winter	03	1.003	04	27.4	0.514	0.039	7.3608	
15 minute winter	04	1.004	05	15.8	0.367	0.022	3.4530	
15 minute winter	05	1.005	06HB	17.5	0.468	0.025	5.8977	
15 minute winter	06HB	Hydro-Brake®	07DD	2.6				
15 minute winter	07DD	1.007	C1	2.6	0.554	0.029	0.0245	
15 minute winter	C1	1.008	C2	2.6	0.566	0.029	0.0328	28.1

Results for 1 year 30 minute summer. 270 minute analysis at 1 minute timestep. Mass balance: 99.89%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	Basin	28	30.224	0.004	1.3	0.5324	0.0000	OK
30 minute summer	02A	18	30.244	0.044	4.2	0.1092	0.0000	OK
30 minute summer	02	35	29.979	0.209	14.4	0.7058	0.0000	OK
30 minute summer	01	34	29.974	0.234	7.4	0.0781	0.0000	OK
30 minute summer	03	34	29.972	0.264	30.2	1.0490	0.0000	OK
30 minute summer	04	33	29.973	0.369	30.8	1.2097	0.0000	OK
30 minute summer	05	33	29.975	0.406	31.1	1.8354	0.0000	OK
30 minute summer	06HB	33	29.977	0.457	14.0	2.0681	0.0000	SURCHARGED
30 minute summer	07DD	129	29.526	0.036	2.6	0.0403	0.0000	OK
30 minute summer	C1	130	29.490	0.035	2.6	0.0000	0.0000	OK
30 minute summer	C2	130	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute summer	Basin	1.000	02A	-1.3	-0.453	-0.005	0.0120	
30 minute summer	02A	1.001	02	2.8	0.423	0.018	0.1605	
30 minute summer	02	1.002	03	14.3	0.422	0.020	3.9277	
30 minute summer	01	2.000	03	6.5	0.227	0.009	2.1601	
30 minute summer	03	1.003	04	22.0	0.391	0.031	9.8533	
30 minute summer	04	1.004	05	12.2	0.338	0.017	4.3543	
30 minute summer	05	1.005	06HB	14.0	0.419	0.020	7.1434	
30 minute summer	06HB	Hydro-Brake®	07DD	2.6				
30 minute summer	07DD	1.007	C1	2.6	0.555	0.029	0.0245	
30 minute summer	C1	1.008	C2	2.6	0.566	0.029	0.0328	37.9

Results for 1 year 30 minute winter. 270 minute analysis at 1 minute timestep. Mass balance: 99.89%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute winter	Basin	29	30.223	0.003	1.1	0.4830	0.0000	OK
30 minute winter	02A	18	30.242	0.042	3.4	0.1039	0.0000	OK
30 minute winter	02	31	29.978	0.208	11.9	0.7000	0.0000	OK
30 minute winter	01	34	29.975	0.235	6.0	0.0784	0.0000	OK
30 minute winter	03	34	29.974	0.266	24.4	1.0578	0.0000	OK
30 minute winter	04	33	29.974	0.370	26.2	1.2123	0.0000	OK
30 minute winter	05	33	29.974	0.405	24.0	1.8301	0.0000	OK
30 minute winter	06HB	33	29.974	0.454	13.6	2.0533	0.0000	SURCHARGED
30 minute winter	07DD	18	29.526	0.036	2.6	0.0403	0.0000	OK
30 minute winter	C1	130	29.490	0.035	2.6	0.0000	0.0000	OK
30 minute winter	C2	130	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute winter	Basin	1.000	02A	-1.1	-0.400	-0.004	0.0111	
30 minute winter	02A	1.001	02	2.6	0.412	0.016	0.1475	
30 minute winter	02	1.002	03	11.6	0.392	0.017	3.9149	
30 minute winter	01	2.000	03	5.2	0.235	0.007	2.1791	
30 minute winter	03	1.003	04	19.5	0.412	0.028	9.8956	
30 minute winter	04	1.004	05	9.5	0.345	0.014	4.3515	
30 minute winter	05	1.005	06HB	13.6	0.431	0.020	7.0975	
30 minute winter	06HB	Hydro-Brake®	07DD	2.6				
30 minute winter	07DD	1.007	C1	2.6	0.555	0.029	0.0245	
30 minute winter	C1	1.008	C2	2.6	0.566	0.029	0.0328	37.9

Results for 1 year 60 minute summer. 300 minute analysis at 1 minute timestep. Mass balance: 99.60%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute summer	Basin	46	30.223	0.003	0.8	0.4923	0.0000	OK
60 minute summer	02A	33	30.242	0.042	3.3	0.1033	0.0000	OK
60 minute summer	02	61	30.034	0.264	11.7	0.8881	0.0000	OK
60 minute summer	01	62	30.034	0.294	5.8	0.0984	0.0000	OK
60 minute summer	03	62	30.034	0.326	21.4	1.2960	0.0000	OK
60 minute summer	04	63	30.033	0.429	15.7	1.4035	0.0000	OK
60 minute summer	05	63	30.033	0.464	18.8	2.0995	0.0000	OK
60 minute summer	06HB	63	30.034	0.514	9.7	2.3244	0.0000	SURCHARGED
60 minute summer	07DD	216	29.526	0.036	2.6	0.0403	0.0000	OK
60 minute summer	C1	32	29.490	0.035	2.6	0.0000	0.0000	OK
60 minute summer	C2	216	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute summer	Basin	1.000	02A	-0.8	-0.285	-0.003	0.0110	
60 minute summer	02A	1.001	02	2.5	0.410	0.016	0.1458	
60 minute summer	02	1.002	03	10.2	0.343	0.014	5.3034	
60 minute summer	01	2.000	03	4.7	0.207	0.007	2.9232	
60 minute summer	03	1.003	04	11.4	0.322	0.016	12.4971	
60 minute summer	04	1.004	05	5.9	0.299	0.008	5.2094	
60 minute summer	05	1.005	06HB	9.7	0.398	0.014	8.3319	
60 minute summer	06HB	Hydro-Brake®	07DD	2.6				
60 minute summer	07DD	1.007	C1	2.6	0.554	0.029	0.0245	
60 minute summer	C1	1.008	C2	2.6	0.566	0.029	0.0328	44.1

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

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	Basin	49	30.223	0.003	0.5	0.4750	0.0000	OK
60 minute winter	02A	34	30.237	0.037	2.4	0.0918	0.0000	OK
60 minute winter	02	61	30.035	0.265	8.5	0.8933	0.0000	OK
60 minute winter	01	61	30.036	0.296	4.2	0.0988	0.0000	OK
60 minute winter	03	61	30.036	0.328	15.6	1.3018	0.0000	OK
60 minute winter	04	63	30.034	0.430	14.3	1.4070	0.0000	OK
60 minute winter	05	62	30.034	0.465	15.1	2.1046	0.0000	OK
60 minute winter	06HB	62	30.035	0.515	7.7	2.3311	0.0000	SURCHARGED
60 minute winter	07DD	31	29.526	0.036	2.6	0.0403	0.0000	OK
60 minute winter	C1	215	29.490	0.035	2.6	0.0000	0.0000	OK
60 minute winter	C2	216	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute winter	Basin	1.000	02A	-0.5	-0.208	-0.002	0.0093	
60 minute winter	02A	1.001	02	1.9	0.382	0.012	0.1202	
60 minute winter	02	1.002	03	7.6	0.320	0.011	5.3592	
60 minute winter	01	2.000	03	3.3	0.209	0.005	2.9416	
60 minute winter	03	1.003	04	10.7	0.331	0.015	12.5472	
60 minute winter	04	1.004	05	5.8	0.309	0.008	5.2236	
60 minute winter	05	1.005	06HB	7.7	0.398	0.011	8.3586	
60 minute winter	06HB	Hydro-Brake®	07DD	2.6				
60 minute winter	07DD	1.007	C1	2.6	0.555	0.029	0.0245	
60 minute winter	C1	1.008	C2	2.6	0.566	0.029	0.0328	44.0

Results for 1 year 120 minute summer. 360 minute analysis at 2 minute timestep. Mass balance: 99.80%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute summer	Basin	82	30.223	0.003	0.4	0.4879	0.0000	OK
120 minute summer	02A	64	30.236	0.036	2.3	0.0902	0.0000	OK
120 minute summer	02	122	30.091	0.321	8.3	1.0799	0.0000	OK
120 minute summer	01	122	30.090	0.350	4.1	0.1170	0.0000	OK
120 minute summer	03	122	30.090	0.382	13.4	1.5196	0.0000	OK
120 minute summer	04	120	30.091	0.487	9.7	1.5928	0.0000	OK
120 minute summer	05	120	30.091	0.522	11.7	2.3605	0.0000	OK
120 minute summer	06HB	120	30.091	0.571	6.3	2.5847	0.0000	SURCHARGED
120 minute summer	07DD	330	29.526	0.036	2.6	0.0403	0.0000	OK
120 minute summer	C1	330	29.490	0.035	2.6	0.0000	0.0000	OK
120 minute summer	C2	330	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute summer	Basin	1.000	02A	-0.4	-0.199	-0.002	0.0091	
120 minute summer	02A	1.001	02	1.9	0.378	0.012	0.1170	
120 minute summer	02	1.002	03	5.3	0.268	0.008	6.7313	
120 minute summer	01	2.000	03	2.6	0.174	0.004	3.6470	
120 minute summer	03	1.003	04	6.4	0.281	0.009	14.9659	
120 minute summer	04	1.004	05	4.1	0.266	0.006	6.0396	
120 minute summer	05	1.005	06HB	6.3	0.290	0.009	9.4909	
120 minute summer	06HB	Hydro-Brake®	07DD	2.6				
120 minute summer	07DD	1.007	C1	2.6	0.554	0.029	0.0245	
120 minute summer	C1	1.008	C2	2.6	0.566	0.029	0.0328	51.8

Results for 1 year 120 minute winter. 360 minute analysis at 2 minute timestep. Mass balance: 99.80%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute winter	Basin	86	30.223	0.003	0.3	0.4656	0.0000	OK
120 minute winter	02A	64	30.231	0.031	1.6	0.0781	0.0000	OK
120 minute winter	02	120	30.093	0.323	5.7	1.0889	0.0000	OK
120 minute winter	01	120	30.093	0.353	2.8	0.1178	0.0000	OK
120 minute winter	03	120	30.093	0.385	9.6	1.5291	0.0000	OK
120 minute winter	04	118	30.093	0.489	8.2	1.6011	0.0000	OK
120 minute winter	05	118	30.093	0.524	9.1	2.3709	0.0000	OK
120 minute winter	06HB	118	30.093	0.573	5.3	2.5944	0.0000	SURCHARGED
120 minute winter	07DD	330	29.526	0.036	2.6	0.0403	0.0000	OK
120 minute winter	C1	330	29.490	0.035	2.6	0.0000	0.0000	OK
120 minute winter	C2	330	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute winter	Basin	1.000	02A	-0.3	-0.151	-0.001	0.0073	
120 minute winter	02A	1.001	02	1.3	0.339	0.009	0.0936	
120 minute winter	02	1.002	03	4.2	0.263	0.006	6.7952	
120 minute winter	01	2.000	03	2.1	0.165	0.003	3.6781	
120 minute winter	03	1.003	04	6.1	0.291	0.009	15.0806	
120 minute winter	04	1.004	05	3.9	0.282	0.006	6.0742	
120 minute winter	05	1.005	06HB	5.3	0.346	0.008	9.5348	
120 minute winter	06HB	Hydro-Brake®	07DD	2.6				
120 minute winter	07DD	1.007	C1	2.6	0.554	0.029	0.0245	
120 minute winter	C1	1.008	C2	2.6	0.566	0.029	0.0328	51.6

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

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute summer	Basin	116	30.223	0.003	0.3	0.4647	0.0000	OK
180 minute summer	02A	96	30.233	0.033	1.8	0.0819	0.0000	OK
180 minute summer	02	180	30.114	0.344	6.5	1.1581	0.0000	OK
180 minute summer	01	180	30.114	0.374	3.2	0.1249	0.0000	OK
180 minute summer	03	180	30.114	0.406	9.9	1.6130	0.0000	OK
180 minute summer	04	176	30.114	0.510	7.1	1.6683	0.0000	OK
180 minute summer	05	176	30.114	0.545	9.6	2.4626	0.0000	OK
180 minute summer	06HB	176	30.114	0.594	5.5	2.6854	0.0000	SURCHARGED
180 minute summer	07DD	412	29.526	0.036	2.6	0.0403	0.0000	OK
180 minute summer	C1	412	29.490	0.035	2.6	0.0000	0.0000	OK
180 minute summer	C2	412	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute summer	Basin	1.000	02A	-0.3	-0.163	-0.001	0.0079	
180 minute summer	02A	1.001	02	1.5	0.354	0.010	0.1008	
180 minute summer	02	1.002	03	3.8	0.243	0.005	7.3233	
180 minute summer	01	2.000	03	2.1	0.163	0.003	3.9541	
180 minute summer	03	1.003	04	4.6	0.263	0.007	15.9975	
180 minute summer	04	1.004	05	3.1	0.252	0.004	6.3616	
180 minute summer	05	1.005	06HB	5.5	0.259	0.008	9.9278	
180 minute summer	06HB	Hydro-Brake®	07DD	2.6				
180 minute summer	07DD	1.007	C1	2.6	0.554	0.029	0.0245	
180 minute summer	C1	1.008	C2	2.6	0.566	0.029	0.0328	59.2

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

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute winter	Basin	124	30.223	0.003	0.2	0.4312	0.0000	OK
180 minute winter	02A	96	30.228	0.028	1.2	0.0694	0.0000	OK
180 minute winter	02	172	30.118	0.348	4.4	1.1729	0.0000	OK
180 minute winter	01	172	30.118	0.378	2.2	0.1262	0.0000	OK
180 minute winter	03	172	30.118	0.410	7.6	1.6286	0.0000	OK
180 minute winter	04	176	30.118	0.514	6.3	1.6836	0.0000	OK
180 minute winter	05	176	30.118	0.549	7.5	2.4844	0.0000	OK
180 minute winter	06HB	176	30.119	0.598	4.6	2.7076	0.0000	SURCHARGED
180 minute winter	07DD	84	29.526	0.036	2.6	0.0403	0.0000	OK
180 minute winter	C1	84	29.490	0.035	2.6	0.0000	0.0000	OK
180 minute winter	C2	84	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute winter	Basin	1.000	02A	-0.2	-0.119	-0.001	0.0062	
180 minute winter	02A	1.001	02	1.0	0.307	0.007	0.0788	
180 minute winter	02	1.002	03	3.3	0.243	0.005	7.4291	
180 minute winter	01	2.000	03	1.5	0.145	0.002	4.0056	
180 minute winter	03	1.003	04	4.8	0.263	0.007	16.1745	
180 minute winter	04	1.004	05	3.4	0.260	0.005	6.4276	
180 minute winter	05	1.005	06HB	4.6	0.289	0.007	10.0213	
180 minute winter	06HB	Hydro-Brake®	07DD	2.6				
180 minute winter	07DD	1.007	C1	2.6	0.554	0.029	0.0245	
180 minute winter	C1	1.008	C2	2.6	0.566	0.029	0.0328	59.1

Results for 1 year 240 minute summer. 480 minute analysis at 4 minute timestep. Mass balance: 99.91%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute summer	Basin	152	30.223	0.003	0.3	0.4739	0.0000	OK
240 minute summer	02A	124	30.231	0.031	1.6	0.0776	0.0000	OK
240 minute summer	02	212	30.127	0.357	5.6	1.2040	0.0000	OK
240 minute summer	01	212	30.127	0.387	2.8	0.1293	0.0000	OK
240 minute summer	03	212	30.127	0.419	9.1	1.6660	0.0000	OK
240 minute summer	04	216	30.127	0.523	5.8	1.7128	0.0000	OK
240 minute summer	05	216	30.127	0.558	8.1	2.5245	0.0000	OK
240 minute summer	06HB	216	30.127	0.607	4.8	2.7477	0.0000	SURCHARGED
240 minute summer	07DD	480	29.526	0.036	2.6	0.0403	0.0000	OK
240 minute summer	C1	116	29.490	0.035	2.6	0.0000	0.0000	OK
240 minute summer	C2	116	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute summer	Basin	1.000	02A	-0.3	-0.149	-0.001	0.0072	
240 minute summer	02A	1.001	02	1.3	0.337	0.008	0.0927	
240 minute summer	02	1.002	03	3.5	0.243	0.005	7.6666	
240 minute summer	01	2.000	03	1.8	0.146	0.003	4.1290	
240 minute summer	03	1.003	04	4.3	0.252	0.006	16.5581	
240 minute summer	04	1.004	05	3.2	0.233	0.005	6.5513	
240 minute summer	05	1.005	06HB	4.8	0.243	0.007	10.1900	
240 minute summer	06HB	Hydro-Brake®	07DD	2.6				
240 minute summer	07DD	1.007	C1	2.6	0.554	0.029	0.0245	
240 minute summer	C1	1.008	C2	2.6	0.566	0.029	0.0328	66.6

Results for 1 year 240 minute winter. 480 minute analysis at 4 minute timestep. Mass balance: 99.91%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute winter	Basin	156	30.223	0.003	0.1	0.3882	0.0000	OK
240 minute winter	02A	132	30.226	0.026	1.0	0.0644	0.0000	OK
240 minute winter	02	228	30.130	0.360	3.8	1.2120	0.0000	OK
240 minute winter	01	228	30.130	0.390	1.8	0.1301	0.0000	OK
240 minute winter	03	228	30.130	0.422	6.5	1.6757	0.0000	OK
240 minute winter	04	232	30.129	0.525	5.3	1.7205	0.0000	OK
240 minute winter	05	232	30.130	0.561	6.6	2.5349	0.0000	OK
240 minute winter	06HB	232	30.130	0.610	4.2	2.7579	0.0000	SURCHARGED
240 minute winter	07DD	480	29.526	0.036	2.6	0.0403	0.0000	OK
240 minute winter	C1	480	29.490	0.035	2.6	0.0000	0.0000	OK
240 minute winter	C2	480	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute winter	Basin	1.000	02A	-0.1	-0.098	0.000	0.0055	
240 minute winter	02A	1.001	02	0.9	0.293	0.006	0.0712	
240 minute winter	02	1.002	03	2.7	0.229	0.004	7.7278	
240 minute winter	01	2.000	03	1.3	0.146	0.002	4.1609	
240 minute winter	03	1.003	04	4.1	0.250	0.006	16.6710	
240 minute winter	04	1.004	05	3.1	0.251	0.004	6.5835	
240 minute winter	05	1.005	06HB	4.2	0.240	0.006	10.2333	
240 minute winter	06HB	Hydro-Brake®	07DD	2.6				
240 minute winter	07DD	1.007	C1	2.6	0.554	0.029	0.0245	
240 minute winter	C1	1.008	C2	2.6	0.566	0.029	0.0328	66.6

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

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute summer	Basin	216	30.223	0.003	0.2	0.4206	0.0000	OK
360 minute summer	02A	184	30.229	0.029	1.3	0.0711	0.0000	OK
360 minute summer	02	288	30.141	0.371	4.6	1.2484	0.0000	OK
360 minute summer	01	288	30.141	0.401	2.2	0.1338	0.0000	OK
360 minute summer	03	288	30.141	0.433	7.5	1.7192	0.0000	OK
360 minute summer	04	288	30.141	0.537	5.6	1.7573	0.0000	OK
360 minute summer	05	288	30.141	0.572	7.3	2.5855	0.0000	OK
360 minute summer	06HB	288	30.141	0.621	4.5	2.8084	0.0000	SURCHARGED
360 minute summer	07DD	600	29.526	0.036	2.6	0.0403	0.0000	OK
360 minute summer	C1	600	29.490	0.035	2.6	0.0000	0.0000	OK
360 minute summer	C2	600	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute summer	Basin	1.000	02A	-0.2	-0.126	-0.001	0.0063	
360 minute summer	02A	1.001	02	1.1	0.312	0.007	0.0814	
360 minute summer	02	1.002	03	3.0	0.224	0.004	8.0056	
360 minute summer	01	2.000	03	1.5	0.127	0.002	4.3047	
360 minute summer	03	1.003	04	3.4	0.246	0.005	17.1467	
360 minute summer	04	1.004	05	2.7	0.222	0.004	6.7374	
360 minute summer	05	1.005	06HB	4.5	0.230	0.006	10.4431	
360 minute summer	06HB	Hydro-Brake®	07DD	2.6				
360 minute summer	07DD	1.007	C1	2.6	0.554	0.029	0.0245	
360 minute summer	C1	1.008	C2	2.6	0.566	0.029	0.0328	80.8

Results for 1 year 360 minute winter. 600 minute analysis at 8 minute timestep. Mass balance: 99.91%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute winter	Basin	224	30.222	0.002	0.1	0.3037	0.0000	OK
360 minute winter	02A	192	30.224	0.024	0.8	0.0597	0.0000	OK
360 minute winter	02	288	30.133	0.363	3.0	1.2238	0.0000	OK
360 minute winter	01	288	30.133	0.393	1.4	0.1313	0.0000	OK
360 minute winter	03	288	30.133	0.425	5.0	1.6900	0.0000	OK
360 minute winter	04	288	30.133	0.529	4.5	1.7335	0.0000	OK
360 minute winter	05	288	30.134	0.565	5.5	2.5528	0.0000	OK
360 minute winter	06HB	288	30.134	0.614	3.8	2.7758	0.0000	SURCHARGED
360 minute winter	07DD	592	29.526	0.036	2.6	0.0403	0.0000	OK
360 minute winter	C1	592	29.490	0.035	2.6	0.0000	0.0000	OK
360 minute winter	C2	592	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute winter	Basin	1.000	02A	-0.1	-0.075	0.000	0.0049	
360 minute winter	02A	1.001	02	0.7	0.293	0.005	0.0598	
360 minute winter	02	1.002	03	2.2	0.223	0.003	7.8184	
360 minute winter	01	2.000	03	1.0	0.125	0.001	4.2082	
360 minute winter	03	1.003	04	3.5	0.257	0.005	16.8369	
360 minute winter	04	1.004	05	2.7	0.229	0.004	6.6384	
360 minute winter	05	1.005	06HB	3.8	0.222	0.005	10.3083	
360 minute winter	06HB	Hydro-Brake®	07DD	2.6				
360 minute winter	07DD	1.007	C1	2.6	0.554	0.029	0.0245	
360 minute winter	C1	1.008	C2	2.6	0.566	0.029	0.0328	81.7

Results for 1 year 480 minute summer. 720 minute analysis at 8 minute timestep. Mass balance: 99.90%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute summer	Basin	272	30.222	0.002	0.1	0.3587	0.0000	OK
480 minute summer	02A	248	30.226	0.026	1.0	0.0644	0.0000	OK
480 minute summer	02	352	30.140	0.370	3.7	1.2478	0.0000	OK
480 minute summer	01	352	30.140	0.400	1.8	0.1337	0.0000	OK
480 minute summer	03	352	30.140	0.432	6.3	1.7184	0.0000	OK
480 minute summer	04	352	30.140	0.536	4.8	1.7564	0.0000	OK
480 minute summer	05	352	30.140	0.571	6.4	2.5841	0.0000	OK
480 minute summer	06HB	352	30.140	0.620	4.1	2.8069	0.0000	SURCHARGED
480 minute summer	07DD	696	29.526	0.036	2.6	0.0403	0.0000	OK
480 minute summer	C1	704	29.490	0.035	2.6	0.0000	0.0000	OK
480 minute summer	C2	704	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute summer	Basin	1.000	02A	-0.1	-0.097	0.000	0.0055	
480 minute summer	02A	1.001	02	0.9	0.293	0.006	0.0712	
480 minute summer	02	1.002	03	2.6	0.223	0.004	8.0006	
480 minute summer	01	2.000	03	1.2	0.125	0.002	4.3019	
480 minute summer	03	1.003	04	3.5	0.247	0.005	17.1364	
480 minute summer	04	1.004	05	2.8	0.222	0.004	6.7334	
480 minute summer	05	1.005	06HB	4.1	0.225	0.006	10.4373	
480 minute summer	06HB	Hydro-Brake®	07DD	2.6				
480 minute summer	07DD	1.007	C1	2.6	0.554	0.029	0.0245	
480 minute summer	C1	1.008	C2	2.6	0.566	0.029	0.0328	95.2

Results for 1 year 480 minute winter. 720 minute analysis at 8 minute timestep. Mass balance: 99.88%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute winter	Basin	288	30.222	0.002	0.1	0.2369	0.0000	OK
480 minute winter	02A	256	30.223	0.023	0.7	0.0569	0.0000	OK
480 minute winter	02	368	30.130	0.360	2.5	1.2136	0.0000	OK
480 minute winter	01	368	30.130	0.390	1.2	0.1303	0.0000	OK
480 minute winter	03	368	30.130	0.422	4.2	1.6778	0.0000	OK
480 minute winter	04	368	30.130	0.526	4.1	1.7226	0.0000	OK
480 minute winter	05	368	30.130	0.561	4.7	2.5375	0.0000	OK
480 minute winter	06HB	368	30.130	0.610	3.5	2.7603	0.0000	SURCHARGED
480 minute winter	07DD	688	29.526	0.036	2.6	0.0403	0.0000	OK
480 minute winter	C1	688	29.490	0.035	2.6	0.0000	0.0000	OK
480 minute winter	C2	688	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute winter	Basin	1.000	02A	-0.1	-0.062	0.000	0.0046	
480 minute winter	02A	1.001	02	0.6	0.293	0.004	0.0537	
480 minute winter	02	1.002	03	1.9	0.216	0.003	7.7406	
480 minute winter	01	2.000	03	0.9	0.122	0.001	4.1679	
480 minute winter	03	1.003	04	3.2	0.262	0.005	16.7008	
480 minute winter	04	1.004	05	2.6	0.226	0.004	6.5921	
480 minute winter	05	1.005	06HB	3.5	0.219	0.005	10.2439	
480 minute winter	06HB	Hydro-Brake®	07DD	2.6				
480 minute winter	07DD	1.007	C1	2.6	0.554	0.029	0.0245	
480 minute winter	C1	1.008	C2	2.6	0.566	0.029	0.0328	96.5

Results for 1 year 600 minute summer. 840 minute analysis at 15 minute timestep. Mass balance: 99.86%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute summer	Basin	345	30.222	0.002	0.1	0.2754	0.0000	OK
600 minute summer	02A	315	30.224	0.024	0.8	0.0596	0.0000	OK
600 minute summer	02	420	30.137	0.367	3.0	1.2349	0.0000	OK
600 minute summer	01	420	30.137	0.397	1.5	0.1324	0.0000	OK
600 minute summer	03	420	30.136	0.428	4.9	1.7028	0.0000	OK
600 minute summer	04	420	30.136	0.532	4.1	1.7424	0.0000	OK
600 minute summer	05	420	30.136	0.567	5.2	2.5646	0.0000	OK
600 minute summer	06HB	420	30.136	0.616	3.7	2.7873	0.0000	SURCHARGED
600 minute summer	07DD	795	29.526	0.036	2.6	0.0403	0.0000	OK
600 minute summer	C1	795	29.490	0.035	2.6	0.0000	0.0000	OK
600 minute summer	C2	795	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute summer	Basin	1.000	02A	-0.1	-0.077	0.000	0.0049	
600 minute summer	02A	1.001	02	0.7	0.292	0.005	0.0597	
600 minute summer	02	1.002	03	2.0	0.213	0.003	7.9016	
600 minute summer	01	2.000	03	1.0	0.129	0.001	4.2505	
600 minute summer	03	1.003	04	3.2	0.254	0.005	16.9630	
600 minute summer	04	1.004	05	2.7	0.221	0.004	6.6748	
600 minute summer	05	1.005	06HB	3.7	0.160	0.005	10.3567	
600 minute summer	06HB	Hydro-Brake®	07DD	2.6				
600 minute summer	07DD	1.007	C1	2.6	0.554	0.029	0.0245	
600 minute summer	C1	1.008	C2	2.6	0.566	0.029	0.0328	108.5

Results for 1 year 600 minute winter. 840 minute analysis at 15 minute timestep. Mass balance: 99.85%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute winter	Basin	345	30.221	0.001	0.0	0.1649	0.0000	OK
600 minute winter	02A	330	30.222	0.022	0.6	0.0540	0.0000	OK
600 minute winter	02	450	30.126	0.356	2.2	1.1983	0.0000	OK
600 minute winter	01	450	30.126	0.386	1.0	0.1288	0.0000	OK
600 minute winter	03	450	30.126	0.418	3.7	1.6600	0.0000	OK
600 minute winter	04	450	30.126	0.522	3.3	1.7085	0.0000	OK
600 minute winter	05	450	30.126	0.557	4.4	2.5181	0.0000	OK
600 minute winter	06HB	450	30.126	0.606	3.3	2.7409	0.0000	SURCHARGED
600 minute winter	07DD	780	29.526	0.036	2.6	0.0403	0.0000	OK
600 minute winter	C1	780	29.490	0.035	2.6	0.0000	0.0000	OK
600 minute winter	C2	780	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute winter	Basin	1.000	02A	0.0	-0.045	0.000	0.0042	
600 minute winter	02A	1.001	02	0.6	0.292	0.004	0.0477	
600 minute winter	02	1.002	03	1.8	0.194	0.002	7.6260	
600 minute winter	01	2.000	03	0.7	0.115	0.001	4.1091	
600 minute winter	03	1.003	04	2.5	0.253	0.004	16.5129	
600 minute winter	04	1.004	05	2.3	0.221	0.003	6.5322	
600 minute winter	05	1.005	06HB	3.3	0.208	0.005	10.1624	
600 minute winter	06HB	Hydro-Brake®	07DD	2.6				
600 minute winter	07DD	1.007	C1	2.6	0.554	0.029	0.0245	
600 minute winter	C1	1.008	C2	2.6	0.566	0.029	0.0328	110.5

Results for 1 year 720 minute summer. 960 minute analysis at 15 minute timestep. Mass balance: 99.84%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute summer	Basin	405	30.222	0.002	0.1	0.2298	0.0000	OK
720 minute summer	02A	375	30.224	0.024	0.8	0.0596	0.0000	OK
720 minute summer	02	495	30.134	0.364	2.8	1.2272	0.0000	OK
720 minute summer	01	495	30.134	0.394	1.4	0.1317	0.0000	OK
720 minute summer	03	495	30.134	0.426	4.7	1.6940	0.0000	OK
720 minute summer	04	495	30.134	0.530	3.7	1.7359	0.0000	OK
720 minute summer	05	495	30.134	0.565	5.1	2.5558	0.0000	OK
720 minute summer	06HB	495	30.134	0.614	3.6	2.7786	0.0000	SURCHARGED
720 minute summer	07DD	345	29.526	0.036	2.6	0.0403	0.0000	OK
720 minute summer	C1	345	29.490	0.035	2.6	0.0000	0.0000	OK
720 minute summer	C2	345	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute summer	Basin	1.000	02A	-0.1	-0.078	0.000	0.0049	
720 minute summer	02A	1.001	02	0.7	0.292	0.005	0.0597	
720 minute summer	02	1.002	03	2.0	0.208	0.003	7.8441	
720 minute summer	01	2.000	03	1.0	0.112	0.001	4.2213	
720 minute summer	03	1.003	04	2.7	0.247	0.004	16.8735	
720 minute summer	04	1.004	05	2.3	0.219	0.003	6.6479	
720 minute summer	05	1.005	06HB	3.6	0.162	0.005	10.3205	
720 minute summer	06HB	Hydro-Brake®	07DD	2.6				
720 minute summer	07DD	1.007	C1	2.6	0.554	0.029	0.0245	
720 minute summer	C1	1.008	C2	2.6	0.566	0.029	0.0328	121.8



Results for 1 year 720 minute winter. 960 minute analysis at 15 minute timestep. Mass balance: 99.90%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute winter	Basin	420	30.220	0.000	0.0	0.0554	0.0000	OK
720 minute winter	02A	405	30.220	0.020	0.5	0.0507	0.0000	OK
720 minute winter	02	525	30.105	0.335	1.9	1.1275	0.0000	OK
720 minute winter	01	525	30.105	0.365	0.9	0.1218	0.0000	OK
720 minute winter	03	525	30.105	0.397	3.3	1.5763	0.0000	OK
720 minute winter	04	525	30.105	0.501	3.3	1.6389	0.0000	OK
720 minute winter	05	525	30.105	0.536	4.0	2.4218	0.0000	OK
720 minute winter	06HB	525	30.105	0.585	3.2	2.6445	0.0000	SURCHARGED
720 minute winter	07DD	855	29.526	0.036	2.6	0.0403	0.0000	OK
720 minute winter	C1	855	29.490	0.035	2.6	0.0000	0.0000	OK
720 minute winter	C2	855	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute winter	Basin	1.000	02A	0.0	-0.018	0.000	0.0038	
720 minute winter	02A	1.001	02	0.5	0.292	0.003	0.0416	
720 minute winter	02	1.002	03	1.5	0.202	0.002	7.0907	
720 minute winter	01	2.000	03	0.7	0.114	0.001	3.8331	
720 minute winter	03	1.003	04	2.6	0.254	0.004	15.6071	
720 minute winter	04	1.004	05	2.3	0.226	0.003	6.2348	
720 minute winter	05	1.005	06HB	3.2	0.163	0.005	9.7529	
720 minute winter	06HB	Hydro-Brake®	07DD	2.6				
720 minute winter	07DD	1.007	C1	2.6	0.554	0.029	0.0245	
720 minute winter	C1	1.008	C2	2.6	0.566	0.029	0.0328	125.0

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

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute summer	Basin	525	30.221	0.001	0.1	0.1943	0.0000	OK
960 minute summer	02A	495	30.223	0.023	0.7	0.0568	0.0000	OK
960 minute summer	02	630	30.126	0.356	2.4	1.2009	0.0000	OK
960 minute summer	01	630	30.126	0.386	1.1	0.1291	0.0000	OK
960 minute summer	03	630	30.126	0.418	4.0	1.6630	0.0000	OK
960 minute summer	04	630	30.126	0.522	3.3	1.7104	0.0000	OK
960 minute summer	05	630	30.126	0.557	4.6	2.5206	0.0000	OK
960 minute summer	06HB	630	30.126	0.606	3.4	2.7434	0.0000	SURCHARGED
960 minute summer	07DD	465	29.526	0.036	2.6	0.0403	0.0000	OK
960 minute summer	C1	465	29.490	0.035	2.6	0.0000	0.0000	OK
960 minute summer	C2	465	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute summer	Basin	1.000	02A	-0.1	-0.063	0.000	0.0045	
960 minute summer	02A	1.001	02	0.6	0.292	0.004	0.0535	
960 minute summer	02	1.002	03	1.7	0.198	0.002	7.6454	
960 minute summer	01	2.000	03	0.8	0.119	0.001	4.1189	
960 minute summer	03	1.003	04	2.5	0.252	0.004	16.5414	
960 minute summer	04	1.004	05	2.3	0.221	0.003	6.5402	
960 minute summer	05	1.005	06HB	3.4	0.175	0.005	10.1729	
960 minute summer	06HB	Hydro-Brake®	07DD	2.6				
960 minute summer	07DD	1.007	C1	2.6	0.554	0.029	0.0245	
960 minute summer	C1	1.008	C2	2.6	0.566	0.029	0.0328	143.4

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

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute winter	Basin	15	30.220	0.000	0.0	0.0000	0.0000	OK
960 minute winter	02A	465	30.218	0.018	0.4	0.0457	0.0000	OK
960 minute winter	02	675	30.073	0.303	1.6	1.0209	0.0000	OK
960 minute winter	01	675	30.073	0.333	0.8	0.1112	0.0000	OK
960 minute winter	03	675	30.073	0.365	2.8	1.4506	0.0000	OK
960 minute winter	04	675	30.073	0.469	3.1	1.5356	0.0000	OK
960 minute winter	05	675	30.073	0.504	3.7	2.2792	0.0000	OK
960 minute winter	06HB	675	30.073	0.553	3.0	2.5019	0.0000	SURCHARGED
960 minute winter	07DD	1005	29.526	0.036	2.6	0.0403	0.0000	OK
960 minute winter	C1	1005	29.490	0.035	2.6	0.0000	0.0000	OK
960 minute winter	C2	1005	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute winter	Basin	1.000	02A	0.0	0.000	0.000	0.0032	
960 minute winter	02A	1.001	02	0.4	0.292	0.003	0.0337	
960 minute winter	02	1.002	03	1.4	0.199	0.002	6.2936	
960 minute winter	01	2.000	03	0.6	0.112	0.001	3.4211	
960 minute winter	03	1.003	04	2.4	0.247	0.003	14.2489	
960 minute winter	04	1.004	05	2.3	0.223	0.003	5.7869	
960 minute winter	05	1.005	06HB	3.0	0.131	0.004	9.1311	
960 minute winter	06HB	Hydro-Brake®	07DD	2.6				
960 minute winter	07DD	1.007	C1	2.6	0.554	0.029	0.0245	
960 minute winter	C1	1.008	C2	2.6	0.566	0.029	0.0328	142.7

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

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute summer	Basin	780	30.220	0.000	0.0	0.0321	0.0000	OK
1440 minute summer	02A	750	30.220	0.020	0.5	0.0505	0.0000	OK
1440 minute summer	02	900	30.083	0.313	1.9	1.0540	0.0000	OK
1440 minute summer	01	900	30.083	0.343	0.9	0.1145	0.0000	OK
1440 minute summer	03	900	30.083	0.375	3.3	1.4897	0.0000	OK
1440 minute summer	04	900	30.083	0.479	2.9	1.5677	0.0000	OK
1440 minute summer	05	900	30.083	0.514	4.0	2.3236	0.0000	OK
1440 minute summer	06HB	900	30.083	0.563	3.2	2.5463	0.0000	SURCHARGED
1440 minute summer	07DD	1290	29.526	0.036	2.6	0.0403	0.0000	OK
1440 minute summer	C1	1290	29.490	0.035	2.6	0.0000	0.0000	OK
1440 minute summer	C2	1290	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute summer	Basin	1.000	02A	0.0	-0.017	0.000	0.0037	
1440 minute summer	02A	1.001	02	0.5	0.292	0.003	0.0412	
1440 minute summer	02	1.002	03	1.4	0.190	0.002	6.5402	
1440 minute summer	01	2.000	03	0.7	0.107	0.001	3.5488	
1440 minute summer	03	1.003	04	2.2	0.245	0.003	14.6718	
1440 minute summer	04	1.004	05	2.1	0.217	0.003	5.9271	
1440 minute summer	05	1.005	06HB	3.2	0.120	0.005	9.3268	
1440 minute summer	06HB	Hydro-Brake®	07DD	2.6				
1440 minute summer	07DD	1.007	C1	2.6	0.554	0.029	0.0245	
1440 minute summer	C1	1.008	C2	2.6	0.566	0.029	0.0328	163.5

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

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute winter	Basin	30	30.220	0.000	0.0	0.0000	0.0000	OK
1440 minute winter	02A	660	30.216	0.016	0.3	0.0405	0.0000	OK
1440 minute winter	02	960	29.999	0.229	1.2	0.7723	0.0000	OK
1440 minute winter	01	960	29.999	0.259	0.6	0.0866	0.0000	OK
1440 minute winter	03	960	29.999	0.291	2.3	1.1574	0.0000	OK
1440 minute winter	04	960	29.999	0.395	2.4	1.2941	0.0000	OK
1440 minute winter	05	960	29.999	0.430	3.3	1.9456	0.0000	OK
1440 minute winter	06HB	960	29.999	0.479	2.9	2.1681	0.0000	SURCHARGED
1440 minute winter	07DD	720	29.526	0.036	2.6	0.0403	0.0000	OK
1440 minute winter	C1	720	29.490	0.035	2.6	0.0000	0.0000	OK
1440 minute winter	C2	720	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute winter	Basin	1.000	02A	0.0	0.000	0.000	0.0026	
1440 minute winter	02A	1.001	02	0.3	0.288	0.002	0.0266	
1440 minute winter	02	1.002	03	1.1	0.178	0.002	4.4887	
1440 minute winter	01	2.000	03	0.5	0.103	0.001	2.4831	
1440 minute winter	03	1.003	04	1.9	0.245	0.003	11.0851	
1440 minute winter	04	1.004	05	2.0	0.216	0.003	4.7189	
1440 minute winter	05	1.005	06HB	2.9	0.124	0.004	7.6261	
1440 minute winter	06HB	Hydro-Brake®	07DD	2.6				
1440 minute winter	07DD	1.007	C1	2.6	0.554	0.029	0.0245	
1440 minute winter	C1	1.008	C2	2.6	0.566	0.029	0.0328	165.5

Results for 1 year 2160 minute summer. 2400 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	Basin	60	30.220	0.000	0.0	0.0000	0.0000	OK
2160 minute summer	02A	1140	30.218	0.018	0.4	0.0457	0.0000	OK
2160 minute summer	02	1320	30.018	0.248	1.4	0.8365	0.0000	OK
2160 minute summer	01	1320	30.018	0.278	0.6	0.0929	0.0000	OK
2160 minute summer	03	1320	30.018	0.310	2.5	1.2331	0.0000	OK
2160 minute summer	04	1320	30.018	0.414	2.5	1.3564	0.0000	OK
2160 minute summer	05	1320	30.018	0.449	3.4	2.0317	0.0000	OK
2160 minute summer	06HB	1320	30.018	0.498	2.9	2.2543	0.0000	SURCHARGED
2160 minute summer	07DD	1620	29.526	0.036	2.6	0.0403	0.0000	OK
2160 minute summer	C1	1620	29.490	0.035	2.6	0.0000	0.0000	OK
2160 minute summer	C2	1620	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2160 minute summer	Basin	1.000	02A	0.0	0.000	0.000	0.0032	
2160 minute summer	02A	1.001	02	0.4	0.292	0.003	0.0337	
2160 minute summer	02	1.002	03	1.1	0.172	0.002	4.9438	
2160 minute summer	01	2.000	03	0.5	0.103	0.001	2.7208	
2160 minute summer	03	1.003	04	1.7	0.237	0.002	11.8963	
2160 minute summer	04	1.004	05	1.9	0.214	0.003	4.9959	
2160 minute summer	05	1.005	06HB	2.9	0.120	0.004	8.0192	
2160 minute summer	06HB	Hydro-Brake®	07DD	2.6				
2160 minute summer	07DD	1.007	C1	2.6	0.554	0.029	0.0245	
2160 minute summer	C1	1.008	C2	2.6	0.566	0.029	0.0328	192.9

Results for 1 year 2160 minute winter. 2400 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	Basin	60	30.220	0.000	0.0	0.0000	0.0000	OK
2160 minute winter	02A	1140	30.216	0.016	0.3	0.0405	0.0000	OK
2160 minute winter	02	1320	29.886	0.116	1.0	0.3917	0.0000	OK
2160 minute winter	01	1320	29.886	0.146	0.4	0.0488	0.0000	OK
2160 minute winter	03	1320	29.886	0.178	1.9	0.7084	0.0000	OK
2160 minute winter	04	1320	29.886	0.282	2.2	0.9241	0.0000	OK
2160 minute winter	05	1320	29.886	0.317	2.9	1.4346	0.0000	OK
2160 minute winter	06HB	1320	29.886	0.366	2.7	1.6569	0.0000	SURCHARGED
2160 minute winter	07DD	1200	29.526	0.036	2.6	0.0403	0.0000	OK
2160 minute winter	C1	1200	29.490	0.035	2.6	0.0000	0.0000	OK
2160 minute winter	C2	1200	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2160 minute winter	Basin	1.000	02A	0.0	0.000	0.000	0.0026	
2160 minute winter	02A	1.001	02	0.3	0.288	0.002	0.0266	
2160 minute winter	02	1.002	03	1.0	0.172	0.001	2.0230	
2160 minute winter	01	2.000	03	0.4	0.103	0.001	1.1814	
2160 minute winter	03	1.003	04	1.7	0.245	0.002	6.4759	
2160 minute winter	04	1.004	05	1.9	0.217	0.003	3.0949	
2160 minute winter	05	1.005	06HB	2.7	0.121	0.004	5.2830	
2160 minute winter	06HB	Hydro-Brake®	07DD	2.6				
2160 minute winter	07DD	1.007	C1	2.6	0.554	0.029	0.0245	
2160 minute winter	C1	1.008	C2	2.6	0.566	0.029	0.0328	188.3

Results for 2 year 15 minute summer. 255 minute analysis at 1 minute timestep. Mass balance: 99.88%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	Basin	18	30.224	0.004	2.0	0.6689	0.0000	OK
15 minute summer	02A	10	30.250	0.050	5.9	0.1242	0.0000	OK
15 minute summer	02	17	29.986	0.216	19.9	0.7292	0.0000	OK
15 minute summer	01	21	29.979	0.239	10.3	0.0797	0.0000	OK
15 minute summer	03	21	29.975	0.267	42.7	1.0605	0.0000	OK
15 minute summer	04	19	29.976	0.372	49.0	1.2172	0.0000	OK
15 minute summer	05	19	29.980	0.410	46.3	1.8563	0.0000	OK
15 minute summer	06HB	19	29.977	0.457	23.0	2.0669	0.0000	SURCHARGED
15 minute summer	07DD	115	29.526	0.036	2.6	0.0403	0.0000	OK
15 minute summer	C1	115	29.490	0.035	2.6	0.0000	0.0000	OK
15 minute summer	C2	115	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	Basin	1.000	02A	-2.0	-0.548	-0.008	0.0144	
15 minute summer	02A	1.001	02	3.8	0.452	0.024	0.1970	
15 minute summer	02	1.002	03	19.4	0.466	0.028	4.0377	
15 minute summer	01	2.000	03	9.4	0.272	0.013	2.2069	
15 minute summer	03	1.003	04	36.8	0.534	0.052	9.8284	
15 minute summer	04	1.004	05	20.7	0.361	0.029	4.4048	
15 minute summer	05	1.005	06HB	23.0	0.481	0.033	7.1886	
15 minute summer	06HB	Hydro-Brake®	07DD	2.6				
15 minute summer	07DD	1.007	C1	2.6	0.554	0.029	0.0245	
15 minute summer	C1	1.008	C2	2.6	0.566	0.029	0.0328	36.1

Results for 2 year 15 minute winter. 255 minute analysis at 1 minute timestep. Mass balance: 99.88%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	Basin	18	30.224	0.004	1.8	0.6680	0.0000	OK
15 minute winter	02A	10	30.249	0.048	5.5	0.1205	0.0000	OK
15 minute winter	02	20	29.986	0.216	18.7	0.7268	0.0000	OK
15 minute winter	01	21	29.978	0.238	9.7	0.0795	0.0000	OK
15 minute winter	03	17	29.975	0.267	40.0	1.0603	0.0000	OK
15 minute winter	04	19	29.976	0.372	45.5	1.2188	0.0000	OK
15 minute winter	05	19	29.980	0.411	43.9	1.8564	0.0000	OK
15 minute winter	06HB	22	29.976	0.456	17.3	2.0611	0.0000	SURCHARGED
15 minute winter	07DD	115	29.526	0.036	2.6	0.0403	0.0000	OK
15 minute winter	C1	115	29.490	0.035	2.6	0.0000	0.0000	OK
15 minute winter	C2	115	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute winter	Basin	1.000	02A	-1.8	-0.524	-0.007	0.0138	
15 minute winter	02A	1.001	02	3.5	0.442	0.023	0.1887	
15 minute winter	02	1.002	03	18.1	0.454	0.026	4.0277	
15 minute winter	01	2.000	03	8.9	0.278	0.013	2.2009	
15 minute winter	03	1.003	04	34.0	0.547	0.048	9.8547	
15 minute winter	04	1.004	05	21.7	0.369	0.031	4.4083	
15 minute winter	05	1.005	06HB	17.3	0.491	0.025	7.1606	
15 minute winter	06HB	Hydro-Brake®	07DD	2.6				
15 minute winter	07DD	1.007	C1	2.6	0.554	0.029	0.0245	
15 minute winter	C1	1.008	C2	2.6	0.566	0.029	0.0328	36.1

Results for 2 year 30 minute summer. 270 minute analysis at 1 minute timestep. Mass balance: 99.60%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	Basin	29	30.225	0.005	1.9	0.8007	0.0000	OK
30 minute summer	02A	18	30.249	0.049	5.5	0.1215	0.0000	OK
30 minute summer	02	32	30.058	0.288	18.6	0.9711	0.0000	OK
30 minute summer	01	35	30.053	0.313	9.6	0.1045	0.0000	OK
30 minute summer	03	35	30.053	0.345	35.2	1.3722	0.0000	OK
30 minute summer	04	34	30.052	0.448	31.6	1.4675	0.0000	OK
30 minute summer	05	34	30.054	0.485	31.3	2.1931	0.0000	OK
30 minute summer	06HB	34	30.054	0.534	15.4	2.4165	0.0000	SURCHARGED
30 minute summer	07DD	204	29.526	0.036	2.6	0.0403	0.0000	OK
30 minute summer	C1	204	29.490	0.035	2.6	0.0000	0.0000	OK
30 minute summer	C2	205	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute summer	Basin	1.000	02A	-1.9	-0.529	-0.007	0.0141	
30 minute summer	02A	1.001	02	3.6	0.444	0.023	0.1914	
30 minute summer	02	1.002	03	17.3	0.438	0.025	5.8574	
30 minute summer	01	2.000	03	7.2	0.245	0.010	3.1639	
30 minute summer	03	1.003	04	21.2	0.407	0.030	13.2835	
30 minute summer	04	1.004	05	13.2	0.351	0.019	5.5004	
30 minute summer	05	1.005	06HB	15.4	0.443	0.022	8.7493	
30 minute summer	06HB	Hydro-Brake®	07DD	2.6				
30 minute summer	07DD	1.007	C1	2.6	0.554	0.029	0.0245	
30 minute summer	C1	1.008	C2	2.6	0.566	0.029	0.0328	40.0

Results for 2 year 30 minute winter. 270 minute analysis at 1 minute timestep. Mass balance: 99.60%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute winter	Basin	30	30.225	0.005	1.4	0.7767	0.0000	OK
30 minute winter	02A	18	30.245	0.045	4.4	0.1110	0.0000	OK
30 minute winter	02	32	30.052	0.282	15.4	0.9503	0.0000	OK
30 minute winter	01	35	30.056	0.316	7.7	0.1054	0.0000	OK
30 minute winter	03	35	30.055	0.347	30.7	1.3771	0.0000	OK
30 minute winter	04	33	30.055	0.451	28.3	1.4780	0.0000	OK
30 minute winter	05	33	30.056	0.487	27.0	2.2017	0.0000	OK
30 minute winter	06HB	36	30.057	0.537	15.5	2.4272	0.0000	SURCHARGED
30 minute winter	07DD	204	29.526	0.036	2.6	0.0403	0.0000	OK
30 minute winter	C1	205	29.490	0.035	2.6	0.0000	0.0000	OK
30 minute winter	C2	205	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute winter	Basin	1.000	02A	-1.4	-0.461	-0.005	0.0124	
30 minute winter	02A	1.001	02	3.0	0.426	0.019	0.1652	
30 minute winter	02	1.002	03	17.3	0.407	0.025	5.7989	
30 minute winter	01	2.000	03	5.9	0.250	0.008	3.1897	
30 minute winter	03	1.003	04	20.5	0.427	0.029	13.3218	
30 minute winter	04	1.004	05	10.3	0.356	0.015	5.5376	
30 minute winter	05	1.005	06HB	15.5	0.444	0.022	8.7792	
30 minute winter	06HB	Hydro-Brake®	07DD	2.6				
30 minute winter	07DD	1.007	C1	2.6	0.554	0.029	0.0245	
30 minute winter	C1	1.008	C2	2.6	0.566	0.029	0.0328	40.0

Results for 2 year 60 minute summer. 300 minute analysis at 1 minute timestep. Mass balance: 99.90%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute summer	Basin	46	30.225	0.005	1.4	0.8147	0.0000	OK
60 minute summer	02A	33	30.244	0.044	4.3	0.1099	0.0000	OK
60 minute summer	02	62	30.138	0.368	14.6	1.2384	0.0000	OK
60 minute summer	01	62	30.135	0.395	7.5	0.1321	0.0000	OK
60 minute summer	03	62	30.135	0.427	25.1	1.6987	0.0000	OK
60 minute summer	04	63	30.136	0.532	17.6	1.7407	0.0000	OK
60 minute summer	05	63	30.136	0.567	21.7	2.5631	0.0000	OK
60 minute summer	06HB	63	30.136	0.616	10.6	2.7858	0.0000	SURCHARGED
60 minute summer	07DD	30	29.526	0.036	2.6	0.0403	0.0000	OK
60 minute summer	C1	30	29.490	0.035	2.6	0.0000	0.0000	OK
60 minute summer	C2	30	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute summer	Basin	1.000	02A	-1.4	-0.452	-0.005	0.0122	
60 minute summer	02A	1.001	02	2.9	0.424	0.019	0.1623	
60 minute summer	02	1.002	03	10.8	0.323	0.015	7.9014	
60 minute summer	01	2.000	03	5.5	0.221	0.008	4.2367	
60 minute summer	03	1.003	04	9.7	0.339	0.014	16.8825	
60 minute summer	04	1.004	05	6.1	0.318	0.009	6.6688	
60 minute summer	05	1.005	06HB	10.6	0.408	0.015	10.3505	
60 minute summer	06HB	Hydro-Brake®	07DD	2.6				
60 minute summer	07DD	1.007	C1	2.6	0.554	0.029	0.0245	
60 minute summer	C1	1.008	C2	2.6	0.566	0.029	0.0328	43.1

Results for 2 year 60 minute winter. 300 minute analysis at 1 minute timestep. Mass balance: 99.91%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	Basin	49	30.225	0.005	0.7	0.7056	0.0000	OK
60 minute winter	02A	33	30.241	0.041	3.1	0.1011	0.0000	OK
60 minute winter	02	64	30.140	0.370	10.9	1.2477	0.0000	OK
60 minute winter	01	61	30.139	0.399	5.4	0.1334	0.0000	OK
60 minute winter	03	61	30.139	0.431	19.3	1.7131	0.0000	OK
60 minute winter	04	62	30.138	0.534	14.2	1.7483	0.0000	OK
60 minute winter	05	60	30.138	0.569	17.5	2.5747	0.0000	OK
60 minute winter	06HB	60	30.139	0.619	8.8	2.8008	0.0000	SURCHARGED
60 minute winter	07DD	29	29.526	0.036	2.6	0.0403	0.0000	OK
60 minute winter	C1	29	29.490	0.035	2.6	0.0000	0.0000	OK
60 minute winter	C2	29	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute winter	Basin	1.000	02A	-0.7	-0.254	-0.003	0.0107	
60 minute winter	02A	1.001	02	2.4	0.405	0.015	0.1406	
60 minute winter	02	1.002	03	8.8	0.323	0.012	7.9626	
60 minute winter	01	2.000	03	4.0	0.221	0.006	4.2864	
60 minute winter	03	1.003	04	10.5	0.356	0.015	17.0116	
60 minute winter	04	1.004	05	6.2	0.326	0.009	6.7004	
60 minute winter	05	1.005	06HB	8.8	0.405	0.013	10.4053	
60 minute winter	06HB	Hydro-Brake®	07DD	2.6				
60 minute winter	07DD	1.007	C1	2.6	0.554	0.029	0.0245	
60 minute winter	C1	1.008	C2	2.6	0.566	0.029	0.0328	43.0

Results for 2 year 120 minute summer. 360 minute analysis at 2 minute timestep. Mass balance: 99.95%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute summer	Basin	82	30.225	0.005	0.6	0.7043	0.0000	OK
120 minute summer	02A	64	30.240	0.040	2.9	0.0987	0.0000	OK
120 minute summer	02	124	30.219	0.449	10.3	1.5110	0.0000	OK
120 minute summer	01	122	30.219	0.479	5.1	0.1599	0.0000	OK
120 minute summer	03	122	30.219	0.511	16.4	2.0292	0.0000	OK
120 minute summer	04	122	30.219	0.615	9.9	2.0137	0.0000	OK
120 minute summer	05	122	30.219	0.650	13.8	2.9397	0.0000	OK
120 minute summer	06HB	122	30.219	0.699	7.2	3.1627	0.0000	SURCHARGED
120 minute summer	07DD	56	29.526	0.036	2.6	0.0403	0.0000	OK
120 minute summer	C1	56	29.490	0.035	2.6	0.0000	0.0000	OK
120 minute summer	C2	56	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute summer	Basin	1.000	02A	-0.6	-0.238	-0.002	0.0104	
120 minute summer	02A	1.001	02	2.3	0.399	0.015	0.2252	
120 minute summer	02	1.002	03	6.5	0.248	0.009	9.9858	
120 minute summer	01	2.000	03	3.0	0.197	0.004	5.3213	
120 minute summer	03	1.003	04	4.9	0.296	0.007	20.3808	
120 minute summer	04	1.004	05	3.4	0.283	0.005	7.7601	
120 minute summer	05	1.005	06HB	7.2	0.382	0.010	11.8077	
120 minute summer	06HB	Hydro-Brake®	07DD	2.6				
120 minute summer	07DD	1.007	C1	2.6	0.554	0.029	0.0245	
120 minute summer	C1	1.008	C2	2.6	0.566	0.029	0.0328	48.5

Results for 2 year 120 minute winter. 360 minute analysis at 2 minute timestep. Mass balance: 99.95%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute winter	Basin	88	30.225	0.005	0.4	0.6760	0.0000	OK
120 minute winter	02A	64	30.234	0.034	2.0	0.0854	0.0000	OK
120 minute winter	02	122	30.220	0.450	7.1	1.5175	0.0000	OK
120 minute winter	01	122	30.220	0.480	3.5	0.1604	0.0000	OK
120 minute winter	03	122	30.220	0.512	12.0	2.0362	0.0000	OK
120 minute winter	04	120	30.221	0.617	8.4	2.0215	0.0000	OK
120 minute winter	05	120	30.222	0.653	10.7	2.9514	0.0000	OK
120 minute winter	06HB	120	30.222	0.702	5.8	3.1751	0.0000	SURCHARGED
120 minute winter	07DD	52	29.526	0.036	2.6	0.0403	0.0000	OK
120 minute winter	C1	52	29.490	0.035	2.6	0.0000	0.0000	OK
120 minute winter	C2	52	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute winter	Basin	1.000	02A	-0.4	-0.175	-0.001	0.0084	
120 minute winter	02A	1.001	02	1.6	0.366	0.011	0.2384	
120 minute winter	02	1.002	03	5.0	0.263	0.007	10.0338	
120 minute winter	01	2.000	03	2.3	0.173	0.003	5.3434	
120 minute winter	03	1.003	04	5.8	0.306	0.008	20.4606	
120 minute winter	04	1.004	05	3.8	0.291	0.005	7.7908	
120 minute winter	05	1.005	06HB	5.8	0.364	0.008	11.8504	
120 minute winter	06HB	Hydro-Brake®	07DD	2.6				
120 minute winter	07DD	1.007	C1	2.6	0.554	0.029	0.0245	
120 minute winter	C1	1.008	C2	2.6	0.566	0.029	0.0328	48.4

Results for 2 year 180 minute summer. 420 minute analysis at 4 minute timestep. Mass balance: 99.91%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute summer	Basin	192	30.237	0.017	0.8	2.5579	0.0000	OK
180 minute summer	02A	180	30.244	0.044	2.2	0.1083	0.0000	OK
180 minute summer	02	180	30.244	0.474	8.0	1.5970	0.0000	OK
180 minute summer	01	180	30.244	0.504	3.9	0.1683	0.0000	OK
180 minute summer	03	180	30.244	0.536	11.8	2.1301	0.0000	OK
180 minute summer	04	176	30.244	0.640	7.8	2.0955	0.0000	OK
180 minute summer	05	176	30.244	0.675	10.1	3.0528	0.0000	OK
180 minute summer	06HB	176	30.244	0.724	5.6	3.2759	0.0000	SURCHARGED
180 minute summer	07DD	84	29.526	0.036	2.6	0.0403	0.0000	OK
180 minute summer	C1	84	29.490	0.035	2.6	0.0000	0.0000	OK
180 minute summer	C2	84	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute summer	Basin	1.000	02A	-0.8	0.226	-0.003	0.0139	
180 minute summer	02A	1.001	02	1.8	0.374	0.012	0.3978	
180 minute summer	02	1.002	03	4.3	0.227	0.006	10.6242	
180 minute summer	01	2.000	03	2.3	0.188	0.003	5.6452	
180 minute summer	03	1.003	04	3.8	0.270	0.005	21.3719	
180 minute summer	04	1.004	05	2.8	0.261	0.004	8.0598	
180 minute summer	05	1.005	06HB	5.6	0.360	0.008	12.1949	
180 minute summer	06HB	Hydro-Brake®	07DD	2.6				
180 minute summer	07DD	1.007	C1	2.6	0.554	0.029	0.0245	
180 minute summer	C1	1.008	C2	2.6	0.566	0.029	0.0328	55.3

Results for 2 year 180 minute winter. 420 minute analysis at 4 minute timestep. Mass balance: 99.91%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute winter	Basin	188	30.239	0.019	1.1	2.8466	0.0000	OK
180 minute winter	02A	176	30.247	0.047	1.5	0.1171	0.0000	OK
180 minute winter	02	172	30.248	0.478	5.5	1.6119	0.0000	OK
180 minute winter	01	172	30.248	0.508	2.7	0.1698	0.0000	OK
180 minute winter	03	172	30.248	0.540	9.1	2.1472	0.0000	OK
180 minute winter	04	172	30.248	0.644	7.1	2.1085	0.0000	OK
180 minute winter	05	176	30.248	0.679	8.8	3.0706	0.0000	OK
180 minute winter	06HB	176	30.248	0.728	5.1	3.2936	0.0000	SURCHARGED
180 minute winter	07DD	76	29.526	0.036	2.6	0.0403	0.0000	OK
180 minute winter	C1	76	29.490	0.035	2.6	0.0000	0.0000	OK
180 minute winter	C2	76	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute winter	Basin	1.000	02A	-1.1	-0.254	-0.004	0.0155	
180 minute winter	02A	1.001	02	1.3	0.331	0.008	0.4286	
180 minute winter	02	1.002	03	3.7	0.235	0.005	10.7327	
180 minute winter	01	2.000	03	1.8	0.143	0.003	5.6998	
180 minute winter	03	1.003	04	4.3	0.288	0.006	21.5337	
180 minute winter	04	1.004	05	3.1	0.270	0.004	8.1056	
180 minute winter	05	1.005	06HB	5.1	0.266	0.007	12.2528	
180 minute winter	06HB	Hydro-Brake®	07DD	2.6				
180 minute winter	07DD	1.007	C1	2.6	0.554	0.029	0.0245	
180 minute winter	C1	1.008	C2	2.6	0.566	0.029	0.0328	55.2

Results for 2 year 240 minute summer. 480 minute analysis at 4 minute timestep. Mass balance: 99.91%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute summer	Basin	244	30.248	0.028	1.2	4.2689	0.0000	OK
240 minute summer	02A	200	30.248	0.048	1.9	0.1197	0.0000	OK
240 minute summer	02	196	30.249	0.479	6.9	1.6136	0.0000	OK
240 minute summer	01	196	30.249	0.509	3.4	0.1700	0.0000	OK
240 minute summer	03	196	30.249	0.541	10.6	2.1499	0.0000	OK
240 minute summer	04	196	30.249	0.645	6.6	2.1118	0.0000	OK
240 minute summer	05	200	30.249	0.680	9.1	3.0752	0.0000	OK
240 minute summer	06HB	200	30.249	0.729	5.2	3.2983	0.0000	SURCHARGED
240 minute summer	07DD	108	29.526	0.036	2.6	0.0403	0.0000	OK
240 minute summer	C1	108	29.490	0.035	2.6	0.0000	0.0000	OK
240 minute summer	C2	108	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute summer	Basin	1.000	02A	1.6	-0.269	0.006	0.0195	
240 minute summer	02A	1.001	02	1.6	0.358	0.010	0.4341	
240 minute summer	02	1.002	03	4.0	0.224	0.006	10.7473	
240 minute summer	01	2.000	03	2.0	0.163	0.003	5.7085	
240 minute summer	03	1.003	04	3.6	0.259	0.005	21.5661	
240 minute summer	04	1.004	05	2.8	0.252	0.004	8.1174	
240 minute summer	05	1.005	06HB	5.2	0.289	0.007	12.2676	
240 minute summer	06HB	Hydro-Brake®	07DD	2.6				
240 minute summer	07DD	1.007	C1	2.6	0.555	0.029	0.0245	
240 minute summer	C1	1.008	C2	2.6	0.566	0.029	0.0328	62.7

Results for 2 year 240 minute winter. 480 minute analysis at 4 minute timestep. Mass balance: 99.91%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute winter	Basin	236	30.250	0.030	1.4	4.5997	0.0000	OK
240 minute winter	02A	232	30.250	0.050	1.5	0.1254	0.0000	OK
240 minute winter	02	200	30.251	0.481	4.7	1.6216	0.0000	OK
240 minute winter	01	200	30.251	0.511	2.3	0.1708	0.0000	OK
240 minute winter	03	196	30.251	0.543	7.3	2.1590	0.0000	OK
240 minute winter	04	196	30.251	0.647	5.2	2.1192	0.0000	OK
240 minute winter	05	196	30.251	0.682	6.8	3.0852	0.0000	OK
240 minute winter	06HB	196	30.251	0.731	4.3	3.3083	0.0000	SURCHARGED
240 minute winter	07DD	100	29.526	0.036	2.6	0.0403	0.0000	OK
240 minute winter	C1	104	29.490	0.035	2.6	0.0000	0.0000	OK
240 minute winter	C2	104	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute winter	Basin	1.000	02A	1.5	-0.315	0.006	0.0211	
240 minute winter	02A	1.001	02	1.5	0.315	0.010	0.4511	
240 minute winter	02	1.002	03	3.0	0.230	0.004	10.8055	
240 minute winter	01	2.000	03	1.4	0.130	0.002	5.7375	
240 minute winter	03	1.003	04	3.8	0.263	0.005	21.6537	
240 minute winter	04	1.004	05	2.9	0.262	0.004	8.1431	
240 minute winter	05	1.005	06HB	4.3	0.314	0.006	12.2996	
240 minute winter	06HB	Hydro-Brake®	07DD	2.6				
240 minute winter	07DD	1.007	C1	2.6	0.554	0.029	0.0245	
240 minute winter	C1	1.008	C2	2.6	0.566	0.029	0.0328	62.5

Results for 2 year 360 minute summer. 600 minute analysis at 8 minute timestep. Mass balance: 99.91%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute summer	Basin	328	30.253	0.033	2.0	5.0008	0.0000	OK
360 minute summer	02A	328	30.253	0.053	2.1	0.1310	0.0000	OK
360 minute summer	02	256	30.253	0.483	5.4	1.6267	0.0000	OK
360 minute summer	01	256	30.253	0.513	2.7	0.1713	0.0000	OK
360 minute summer	03	256	30.253	0.545	8.5	2.1649	0.0000	OK
360 minute summer	04	256	30.253	0.649	5.6	2.1239	0.0000	OK
360 minute summer	05	256	30.253	0.684	7.7	3.0917	0.0000	OK
360 minute summer	06HB	328	30.253	0.733	4.5	3.3147	0.0000	SURCHARGED
360 minute summer	07DD	160	29.526	0.036	2.6	0.0402	0.0000	OK
360 minute summer	C1	160	29.490	0.035	2.6	0.0000	0.0000	OK
360 minute summer	C2	160	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute summer	Basin	1.000	02A	-2.0	-0.436	-0.008	0.0232	
360 minute summer	02A	1.001	02	-1.8	0.328	-0.011	0.4664	
360 minute summer	02	1.002	03	3.2	0.216	0.005	10.8427	
360 minute summer	01	2.000	03	1.7	0.129	0.002	5.7562	
360 minute summer	03	1.003	04	3.2	0.250	0.005	21.7105	
360 minute summer	04	1.004	05	2.6	0.229	0.004	8.1598	
360 minute summer	05	1.005	06HB	4.5	0.246	0.007	12.3202	
360 minute summer	06HB	Hydro-Brake®	07DD	2.6				
360 minute summer	07DD	1.007	C1	2.6	0.554	0.029	0.0245	
360 minute summer	C1	1.008	C2	2.6	0.566	0.029	0.0327	77.1

Results for 2 year 360 minute winter. 600 minute analysis at 8 minute timestep. Mass balance: 99.91%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute winter	Basin	344	30.256	0.036	2.1	5.5233	0.0000	OK
360 minute winter	02A	344	30.256	0.056	2.1	0.1392	0.0000	OK
360 minute winter	02	344	30.256	0.486	3.6	1.6373	0.0000	OK
360 minute winter	01	344	30.256	0.516	1.7	0.1723	0.0000	OK
360 minute winter	03	344	30.256	0.548	5.7	2.1777	0.0000	OK
360 minute winter	04	344	30.256	0.652	4.4	2.1346	0.0000	OK
360 minute winter	05	344	30.256	0.687	5.8	3.1065	0.0000	OK
360 minute winter	06HB	344	30.256	0.736	3.9	3.3296	0.0000	SURCHARGED
360 minute winter	07DD	152	29.526	0.036	2.6	0.0403	0.0000	OK
360 minute winter	C1	152	29.490	0.035	2.6	0.0000	0.0000	OK
360 minute winter	C2	152	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute winter	Basin	1.000	02A	-2.1	-0.486	-0.008	0.0258	
360 minute winter	02A	1.001	02	-1.7	0.293	-0.011	0.4931	
360 minute winter	02	1.002	03	2.3	0.215	0.003	10.9213	
360 minute winter	01	2.000	03	1.1	0.129	0.002	5.7964	
360 minute winter	03	1.003	04	3.2	0.248	0.005	21.8345	
360 minute winter	04	1.004	05	2.6	0.239	0.004	8.1975	
360 minute winter	05	1.005	06HB	3.9	0.251	0.006	12.3676	
360 minute winter	06HB	Hydro-Brake®	07DD	2.6				
360 minute winter	07DD	1.007	C1	2.6	0.554	0.029	0.0245	
360 minute winter	C1	1.008	C2	2.6	0.566	0.029	0.0328	77.5

Results for 2 year 480 minute summer. 720 minute analysis at 8 minute timestep. Mass balance: 99.93%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute summer	Basin	392	30.254	0.034	2.0	5.1511	0.0000	OK
480 minute summer	02A	392	30.254	0.054	2.0	0.1334	0.0000	OK
480 minute summer	02	392	30.254	0.484	4.4	1.6295	0.0000	OK
480 minute summer	01	392	30.254	0.514	2.2	0.1716	0.0000	OK
480 minute summer	03	392	30.254	0.546	7.2	2.1685	0.0000	OK
480 minute summer	04	328	30.254	0.650	5.3	2.1273	0.0000	OK
480 minute summer	05	328	30.254	0.685	7.1	3.0966	0.0000	OK
480 minute summer	06HB	328	30.254	0.734	4.4	3.3197	0.0000	SURCHARGED
480 minute summer	07DD	216	29.526	0.036	2.6	0.0403	0.0000	OK
480 minute summer	C1	216	29.490	0.035	2.6	0.0000	0.0000	OK
480 minute summer	C2	216	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute summer	Basin	1.000	02A	-2.0	-0.467	-0.008	0.0239	
480 minute summer	02A	1.001	02	-1.7	0.307	-0.011	0.4743	
480 minute summer	02	1.002	03	2.9	0.218	0.004	10.8645	
480 minute summer	01	2.000	03	1.5	0.122	0.002	5.7676	
480 minute summer	03	1.003	04	2.9	0.246	0.004	21.7475	
480 minute summer	04	1.004	05	2.4	0.226	0.003	8.1719	
480 minute summer	05	1.005	06HB	4.4	0.230	0.006	12.3359	
480 minute summer	06HB	Hydro-Brake®	07DD	2.6				
480 minute summer	07DD	1.007	C1	2.6	0.554	0.029	0.0245	
480 minute summer	C1	1.008	C2	2.6	0.566	0.029	0.0328	91.3

Results for 2 year 480 minute winter. 720 minute analysis at 8 minute timestep. Mass balance: 99.93%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute winter	Basin	400	30.254	0.034	1.9	5.2762	0.0000	OK
480 minute winter	02A	400	30.254	0.054	2.0	0.1354	0.0000	OK
480 minute winter	02	352	30.255	0.485	3.0	1.6343	0.0000	OK
480 minute winter	01	352	30.255	0.515	1.4	0.1720	0.0000	OK
480 minute winter	03	352	30.255	0.547	4.8	2.1742	0.0000	OK
480 minute winter	04	352	30.255	0.651	4.0	2.1318	0.0000	OK
480 minute winter	05	352	30.255	0.686	5.1	3.1027	0.0000	OK
480 minute winter	06HB	352	30.255	0.735	3.6	3.3257	0.0000	SURCHARGED
480 minute winter	07DD	208	29.526	0.036	2.6	0.0403	0.0000	OK
480 minute winter	C1	208	29.490	0.035	2.6	0.0000	0.0000	OK
480 minute winter	C2	208	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute winter	Basin	1.000	02A	-1.9	-0.474	-0.007	0.0246	
480 minute winter	02A	1.001	02	-1.7	0.293	-0.011	0.4811	
480 minute winter	02	1.002	03	2.0	0.210	0.003	10.8996	
480 minute winter	01	2.000	03	0.9	0.119	0.001	5.7855	
480 minute winter	03	1.003	04	3.1	0.246	0.004	21.8014	
480 minute winter	04	1.004	05	2.6	0.224	0.004	8.1876	
480 minute winter	05	1.005	06HB	3.6	0.192	0.005	12.3553	
480 minute winter	06HB	Hydro-Brake®	07DD	2.6				
480 minute winter	07DD	1.007	C1	2.6	0.554	0.029	0.0245	
480 minute winter	C1	1.008	C2	2.6	0.566	0.029	0.0328	92.2

Results for 2 year 600 minute summer. 840 minute analysis at 15 minute timestep. Mass balance: 99.94%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute summer	Basin	450	30.254	0.034	1.6	5.1348	0.0000	OK
600 minute summer	02A	450	30.254	0.054	1.6	0.1332	0.0000	OK
600 minute summer	02	450	30.254	0.484	3.7	1.6291	0.0000	OK
600 minute summer	01	450	30.254	0.514	1.8	0.1715	0.0000	OK
600 minute summer	03	450	30.254	0.546	6.0	2.1680	0.0000	OK
600 minute summer	04	450	30.254	0.650	4.3	2.1266	0.0000	OK
600 minute summer	05	450	30.254	0.685	5.9	3.0955	0.0000	OK
600 minute summer	06HB	450	30.254	0.734	3.9	3.3185	0.0000	SURCHARGED
600 minute summer	07DD	270	29.526	0.036	2.6	0.0402	0.0000	OK
600 minute summer	C1	270	29.490	0.035	2.6	0.0000	0.0000	OK
600 minute summer	C2	270	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute summer	Basin	1.000	02A	-1.6	-0.308	-0.006	0.0239	
600 minute summer	02A	1.001	02	-1.3	0.292	-0.008	0.4734	
600 minute summer	02	1.002	03	2.4	0.211	0.003	10.8616	
600 minute summer	01	2.000	03	1.2	0.121	0.002	5.7661	
600 minute summer	03	1.003	04	2.9	0.247	0.004	21.7414	
600 minute summer	04	1.004	05	2.5	0.219	0.004	8.1694	
600 minute summer	05	1.005	06HB	3.9	0.163	0.006	12.3324	
600 minute summer	06HB	Hydro-Brake®	07DD	2.6				
600 minute summer	07DD	1.007	C1	2.6	0.554	0.029	0.0245	
600 minute summer	C1	1.008	C2	2.6	0.566	0.029	0.0327	104.4

Results for 2 year 600 minute winter. 840 minute analysis at 15 minute timestep. Mass balance: 99.95%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute winter	Basin	465	30.247	0.027	1.3	4.1527	0.0000	OK
600 minute winter	02A	435	30.250	0.050	1.3	0.1231	0.0000	OK
600 minute winter	02	435	30.251	0.481	2.5	1.6191	0.0000	OK
600 minute winter	01	435	30.251	0.511	1.2	0.1705	0.0000	OK
600 minute winter	03	435	30.251	0.543	4.2	2.1562	0.0000	OK
600 minute winter	04	435	30.251	0.647	3.5	2.1168	0.0000	OK
600 minute winter	05	435	30.251	0.682	4.7	3.0820	0.0000	OK
600 minute winter	06HB	435	30.251	0.731	3.4	3.3050	0.0000	SURCHARGED
600 minute winter	07DD	270	29.526	0.036	2.6	0.0402	0.0000	OK
600 minute winter	C1	270	29.490	0.035	2.6	0.0000	0.0000	OK
600 minute winter	C2	270	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute winter	Basin	1.000	02A	-1.3	-0.305	-0.005	0.0191	
600 minute winter	02A	1.001	02	-1.1	0.292	-0.007	0.4461	
600 minute winter	02	1.002	03	1.8	0.194	0.002	10.7878	
600 minute winter	01	2.000	03	0.9	0.115	0.001	5.7286	
600 minute winter	03	1.003	04	2.5	0.253	0.004	21.6265	
600 minute winter	04	1.004	05	2.3	0.226	0.003	8.1349	
600 minute winter	05	1.005	06HB	3.4	0.204	0.005	12.2892	
600 minute winter	06HB	Hydro-Brake®	07DD	2.6				
600 minute winter	07DD	1.007	C1	2.6	0.554	0.029	0.0245	
600 minute winter	C1	1.008	C2	2.6	0.566	0.029	0.0327	105.9

Results for 2 year 720 minute summer. 960 minute analysis at 15 minute timestep. Mass balance: 99.97%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute summer	Basin	525	30.252	0.032	1.5	4.8817	0.0000	OK
720 minute summer	02A	525	30.252	0.052	1.5	0.1291	0.0000	OK
720 minute summer	02	465	30.253	0.483	3.4	1.6262	0.0000	OK
720 minute summer	01	465	30.253	0.513	1.6	0.1712	0.0000	OK
720 minute summer	03	465	30.253	0.545	5.5	2.1645	0.0000	OK
720 minute summer	04	465	30.253	0.649	4.1	2.1238	0.0000	OK
720 minute summer	05	465	30.253	0.684	5.7	3.0917	0.0000	OK
720 minute summer	06HB	465	30.253	0.733	3.8	3.3147	0.0000	SURCHARGED
720 minute summer	07DD	330	29.526	0.036	2.6	0.0403	0.0000	OK
720 minute summer	C1	330	29.490	0.035	2.6	0.0000	0.0000	OK
720 minute summer	C2	330	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute summer	Basin	1.000	02A	-1.5	-0.305	-0.006	0.0226	
720 minute summer	02A	1.001	02	-1.2	0.292	-0.008	0.4619	
720 minute summer	02	1.002	03	2.2	0.194	0.003	10.8398	
720 minute summer	01	2.000	03	1.1	0.116	0.001	5.7550	
720 minute summer	03	1.003	04	2.5	0.249	0.004	21.7080	
720 minute summer	04	1.004	05	2.3	0.226	0.003	8.1595	
720 minute summer	05	1.005	06HB	3.8	0.154	0.006	12.3202	
720 minute summer	06HB	Hydro-Brake®	07DD	2.6				
720 minute summer	07DD	1.007	C1	2.6	0.554	0.029	0.0245	
720 minute summer	C1	1.008	C2	2.6	0.566	0.029	0.0328	117.8

Results for 2 year 720 minute winter. 960 minute analysis at 15 minute timestep. Mass balance: 99.97%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute winter	Basin	555	30.245	0.025	1.1	3.8735	0.0000	OK
720 minute winter	02A	510	30.248	0.048	1.1	0.1181	0.0000	OK
720 minute winter	02	510	30.248	0.478	2.3	1.6118	0.0000	OK
720 minute winter	01	510	30.248	0.508	1.1	0.1698	0.0000	OK
720 minute winter	03	510	30.248	0.540	3.8	2.1477	0.0000	OK
720 minute winter	04	510	30.248	0.644	3.2	2.1098	0.0000	OK
720 minute winter	05	510	30.248	0.679	4.3	3.0723	0.0000	OK
720 minute winter	06HB	510	30.248	0.728	3.3	3.2953	0.0000	SURCHARGED
720 minute winter	07DD	315	29.526	0.036	2.6	0.0403	0.0000	OK
720 minute winter	C1	315	29.490	0.035	2.6	0.0000	0.0000	OK
720 minute winter	C2	315	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute winter	Basin	1.000	02A	-1.1	-0.283	-0.004	0.0178	
720 minute winter	02A	1.001	02	-0.9	0.292	-0.006	0.4300	
720 minute winter	02	1.002	03	1.6	0.198	0.002	10.7341	
720 minute winter	01	2.000	03	0.8	0.116	0.001	5.7015	
720 minute winter	03	1.003	04	2.5	0.243	0.004	21.5435	
720 minute winter	04	1.004	05	2.3	0.220	0.003	8.1102	
720 minute winter	05	1.005	06HB	3.3	0.188	0.005	12.2583	
720 minute winter	06HB	Hydro-Brake®	07DD	2.6				
720 minute winter	07DD	1.007	C1	2.6	0.554	0.029	0.0245	
720 minute winter	C1	1.008	C2	2.6	0.566	0.029	0.0328	119.8

Results for 2 year 960 minute summer. 1200 minute analysis at 15 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute summer	Basin	660	30.247	0.027	1.2	4.0698	0.0000	OK
960 minute summer	02A	615	30.248	0.048	1.2	0.1189	0.0000	OK
960 minute summer	02	615	30.249	0.479	2.8	1.6130	0.0000	OK
960 minute summer	01	615	30.249	0.509	1.4	0.1699	0.0000	OK
960 minute summer	03	615	30.249	0.541	4.7	2.1491	0.0000	OK
960 minute summer	04	615	30.249	0.645	3.6	2.1110	0.0000	OK
960 minute summer	05	615	30.249	0.680	5.0	3.0739	0.0000	OK
960 minute summer	06HB	615	30.249	0.729	3.6	3.2969	0.0000	SURCHARGED
960 minute summer	07DD	450	29.526	0.036	2.6	0.0403	0.0000	OK
960 minute summer	C1	450	29.490	0.035	2.6	0.0000	0.0000	OK
960 minute summer	C2	450	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute summer	Basin	1.000	02A	-1.2	-0.280	-0.004	0.0187	
960 minute summer	02A	1.001	02	-1.0	0.292	-0.006	0.4325	
960 minute summer	02	1.002	03	1.9	0.194	0.003	10.7429	
960 minute summer	01	2.000	03	1.0	0.116	0.001	5.7059	
960 minute summer	03	1.003	04	2.5	0.247	0.004	21.5570	
960 minute summer	04	1.004	05	2.3	0.221	0.003	8.1141	
960 minute summer	05	1.005	06HB	3.6	0.162	0.005	12.2633	
960 minute summer	06HB	Hydro-Brake®	07DD	2.6				
960 minute summer	07DD	1.007	C1	2.6	0.554	0.029	0.0245	
960 minute summer	C1	1.008	C2	2.6	0.566	0.029	0.0328	143.6

Results for 2 year 960 minute winter. 1200 minute analysis at 15 minute timestep. Mass balance: 99.97%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute winter	Basin	720	30.231	0.011	0.5	1.6671	0.0000	OK
960 minute winter	02A	690	30.236	0.036	0.5	0.0894	0.0000	OK
960 minute winter	02	690	30.236	0.466	1.9	1.5703	0.0000	OK
960 minute winter	01	690	30.236	0.496	0.9	0.1657	0.0000	OK
960 minute winter	03	690	30.236	0.528	3.3	2.0987	0.0000	OK
960 minute winter	04	690	30.236	0.632	3.0	2.0695	0.0000	OK
960 minute winter	05	690	30.236	0.667	4.0	3.0166	0.0000	OK
960 minute winter	06HB	690	30.236	0.716	3.1	3.2396	0.0000	SURCHARGED
960 minute winter	07DD	435	29.526	0.036	2.6	0.0403	0.0000	OK
960 minute winter	C1	435	29.490	0.035	2.6	0.0000	0.0000	OK
960 minute winter	C2	435	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute winter	Basin	1.000	02A	-0.5	-0.174	-0.002	0.0096	
960 minute winter	02A	1.001	02	0.5	0.292	0.003	0.3408	
960 minute winter	02	1.002	03	1.4	0.199	0.002	10.4277	
960 minute winter	01	2.000	03	0.7	0.107	0.001	5.5452	
960 minute winter	03	1.003	04	2.4	0.247	0.003	21.0651	
960 minute winter	04	1.004	05	2.2	0.226	0.003	7.9659	
960 minute winter	05	1.005	06HB	3.1	0.163	0.005	12.0733	
960 minute winter	06HB	Hydro-Brake®	07DD	2.6				
960 minute winter	07DD	1.007	C1	2.6	0.554	0.029	0.0245	
960 minute winter	C1	1.008	C2	2.6	0.566	0.029	0.0328	147.6

Results for 2 year 1440 minute summer. 1680 minute analysis at 30 minute timestep. Mass balance: 99.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute summer	Basin	960	30.228	0.008	0.3	1.2728	0.0000	OK
1440 minute summer	02A	930	30.233	0.033	0.6	0.0829	0.0000	OK
1440 minute summer	02	930	30.233	0.463	2.2	1.5613	0.0000	OK
1440 minute summer	01	930	30.233	0.493	1.0	0.1648	0.0000	OK
1440 minute summer	03	930	30.233	0.525	3.6	2.0881	0.0000	OK
1440 minute summer	04	930	30.233	0.629	3.0	2.0607	0.0000	OK
1440 minute summer	05	930	30.233	0.664	4.2	3.0045	0.0000	OK
1440 minute summer	06HB	930	30.233	0.713	3.2	3.2275	0.0000	SURCHARGED
1440 minute summer	07DD	1560	29.526	0.036	2.6	0.0403	0.0000	OK
1440 minute summer	C1	1560	29.490	0.035	2.6	0.0000	0.0000	OK
1440 minute summer	C2	1560	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute summer	Basin	1.000	02A	-0.3	-0.154	-0.001	0.0083	
1440 minute summer	02A	1.001	02	0.6	0.292	0.004	0.3220	
1440 minute summer	02	1.002	03	1.5	0.184	0.002	10.3607	
1440 minute summer	01	2.000	03	0.7	0.111	0.001	5.5111	
1440 minute summer	03	1.003	04	2.1	0.245	0.003	20.9595	
1440 minute summer	04	1.004	05	2.1	0.225	0.003	7.9337	
1440 minute summer	05	1.005	06HB	3.2	0.120	0.005	12.0323	
1440 minute summer	06HB	Hydro-Brake®	07DD	2.6				
1440 minute summer	07DD	1.007	C1	2.6	0.554	0.029	0.0245	
1440 minute summer	C1	1.008	C2	2.6	0.566	0.029	0.0328	193.2

Results for 2 year 1440 minute winter. 1680 minute analysis at 30 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute winter	Basin	30	30.220	0.000	0.0	0.0000	0.0000	OK
1440 minute winter	02A	720	30.218	0.018	0.4	0.0457	0.0000	OK
1440 minute winter	02	1020	30.166	0.396	1.5	1.3352	0.0000	OK
1440 minute winter	01	1020	30.166	0.426	0.7	0.1424	0.0000	OK
1440 minute winter	03	1020	30.166	0.458	2.6	1.8213	0.0000	OK
1440 minute winter	04	1020	30.166	0.562	2.6	1.8409	0.0000	OK
1440 minute winter	05	1020	30.166	0.597	3.5	2.7009	0.0000	OK
1440 minute winter	06HB	1020	30.166	0.646	2.9	2.9238	0.0000	SURCHARGED
1440 minute winter	07DD	1500	29.526	0.036	2.6	0.0403	0.0000	OK
1440 minute winter	C1	1500	29.490	0.035	2.6	0.0000	0.0000	OK
1440 minute winter	C2	1500	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute winter	Basin	1.000	02A	0.0	0.000	0.000	0.0032	
1440 minute winter	02A	1.001	02	0.4	0.292	0.003	0.0407	
1440 minute winter	02	1.002	03	1.2	0.184	0.002	8.6613	
1440 minute winter	01	2.000	03	0.6	0.111	0.001	4.6415	
1440 minute winter	03	1.003	04	2.0	0.245	0.003	18.2273	
1440 minute winter	04	1.004	05	2.1	0.218	0.003	7.0828	
1440 minute winter	05	1.005	06HB	2.9	0.126	0.004	10.9094	
1440 minute winter	06HB	Hydro-Brake®	07DD	2.6				
1440 minute winter	07DD	1.007	C1	2.6	0.554	0.029	0.0245	
1440 minute winter	C1	1.008	C2	2.6	0.566	0.029	0.0328	196.8

Results for 2 year 2160 minute summer. 2400 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	Basin	60	30.220	0.000	0.0	0.0000	0.0000	OK
2160 minute summer	02A	1140	30.218	0.018	0.4	0.0457	0.0000	OK
2160 minute summer	02	1380	30.152	0.382	1.6	1.2885	0.0000	OK
2160 minute summer	01	1380	30.152	0.412	0.8	0.1378	0.0000	OK
2160 minute summer	03	1380	30.152	0.444	2.9	1.7663	0.0000	OK
2160 minute summer	04	1380	30.152	0.548	2.7	1.7957	0.0000	OK
2160 minute summer	05	1380	30.152	0.583	3.7	2.6385	0.0000	OK
2160 minute summer	06HB	1380	30.152	0.632	3.0	2.8613	0.0000	SURCHARGED
2160 minute summer	07DD	1860	29.526	0.036	2.6	0.0403	0.0000	OK
2160 minute summer	C1	1860	29.490	0.035	2.6	0.0000	0.0000	OK
2160 minute summer	C2	1860	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2160 minute summer	Basin	1.000	02A	0.0	0.000	0.000	0.0032	
2160 minute summer	02A	1.001	02	0.4	0.292	0.003	0.0337	
2160 minute summer	02	1.002	03	1.2	0.185	0.002	8.3078	
2160 minute summer	01	2.000	03	0.6	0.111	0.001	4.4600	
2160 minute summer	03	1.003	04	2.1	0.230	0.003	17.6452	
2160 minute summer	04	1.004	05	2.0	0.217	0.003	6.8971	
2160 minute summer	05	1.005	06HB	3.0	0.120	0.004	10.6597	
2160 minute summer	06HB	Hydro-Brake®	07DD	2.6				
2160 minute summer	07DD	1.007	C1	2.6	0.554	0.029	0.0245	
2160 minute summer	C1	1.008	C2	2.6	0.566	0.029	0.0328	219.4

Results for 2 year 2160 minute winter. 2400 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	Basin	60	30.220	0.000	0.0	0.0000	0.0000	OK
2160 minute winter	02A	1020	30.216	0.016	0.3	0.0405	0.0000	OK
2160 minute winter	02	1380	30.019	0.249	1.1	0.8376	0.0000	OK
2160 minute winter	01	1380	30.019	0.279	0.5	0.0931	0.0000	OK
2160 minute winter	03	1380	30.019	0.311	2.1	1.2344	0.0000	OK
2160 minute winter	04	1380	30.019	0.415	2.3	1.3575	0.0000	OK
2160 minute winter	05	1380	30.019	0.450	3.1	2.0332	0.0000	OK
2160 minute winter	06HB	1380	30.019	0.499	2.8	2.2558	0.0000	SURCHARGED
2160 minute winter	07DD	1080	29.526	0.036	2.6	0.0403	0.0000	OK
2160 minute winter	C1	1080	29.490	0.035	2.6	0.0000	0.0000	OK
2160 minute winter	C2	1080	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2160 minute winter	Basin	1.000	02A	0.0	0.000	0.000	0.0026	
2160 minute winter	02A	1.001	02	0.3	0.288	0.002	0.0266	
2160 minute winter	02	1.002	03	1.0	0.172	0.001	4.9522	
2160 minute winter	01	2.000	03	0.4	0.103	0.001	2.7251	
2160 minute winter	03	1.003	04	1.7	0.245	0.002	11.9110	
2160 minute winter	04	1.004	05	1.9	0.208	0.003	5.0008	
2160 minute winter	05	1.005	06HB	2.8	0.120	0.004	8.0261	
2160 minute winter	06HB	Hydro-Brake®	07DD	2.6				
2160 minute winter	07DD	1.007	C1	2.6	0.554	0.029	0.0245	
2160 minute winter	C1	1.008	C2	2.6	0.566	0.029	0.0328	222.8

Results for 5 year 15 minute summer. 255 minute analysis at 1 minute timestep. Mass balance: 99.58%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	Basin	18	30.226	0.006	2.8	0.9639	0.0000	OK
15 minute summer	02A	10	30.256	0.056	7.7	0.1388	0.0000	OK
15 minute summer	02	19	30.051	0.281	27.6	0.9474	0.0000	OK
15 minute summer	01	19	30.065	0.325	13.5	0.1087	0.0000	OK
15 minute summer	03	19	30.061	0.353	54.5	1.4041	0.0000	OK
15 minute summer	04	20	30.054	0.450	54.2	1.4736	0.0000	OK
15 minute summer	05	20	30.061	0.492	53.9	2.2241	0.0000	OK
15 minute summer	06HB	20	30.061	0.541	27.2	2.4481	0.0000	SURCHARGED
15 minute summer	07DD	189	29.526	0.036	2.6	0.0403	0.0000	OK
15 minute summer	C1	189	29.490	0.035	2.6	0.0000	0.0000	OK
15 minute summer	C2	189	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	Basin	1.000	02A	-2.8	-0.641	-0.010	0.0171	
15 minute summer	02A	1.001	02	4.8	0.490	0.031	0.2322	
15 minute summer	02	1.002	03	25.3	0.495	0.036	5.8775	
15 minute summer	01	2.000	03	11.1	0.285	0.016	3.2956	
15 minute summer	03	1.003	04	38.9	0.541	0.056	13.3335	
15 minute summer	04	1.004	05	-23.4	0.367	-0.033	5.5634	
15 minute summer	05	1.005	06HB	27.2	0.498	0.039	8.8891	
15 minute summer	06HB	Hydro-Brake®	07DD	2.6				
15 minute summer	07DD	1.007	C1	2.6	0.554	0.029	0.0245	
15 minute summer	C1	1.008	C2	2.6	0.566	0.029	0.0328	38.1

Results for 5 year 15 minute winter. 255 minute analysis at 1 minute timestep. Mass balance: 99.59%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	Basin	18	30.226	0.006	2.5	0.9655	0.0000	OK
15 minute winter	02A	10	30.254	0.054	7.2	0.1348	0.0000	OK
15 minute winter	02	18	30.054	0.284	25.3	0.9556	0.0000	OK
15 minute winter	01	19	30.064	0.324	12.6	0.1081	0.0000	OK
15 minute winter	03	19	30.061	0.353	50.1	1.4020	0.0000	OK
15 minute winter	04	20	30.057	0.453	52.1	1.4838	0.0000	OK
15 minute winter	05	17	30.061	0.492	49.8	2.2263	0.0000	OK
15 minute winter	06HB	23	30.060	0.540	30.2	2.4446	0.0000	SURCHARGED
15 minute winter	07DD	189	29.526	0.036	2.6	0.0403	0.0000	OK
15 minute winter	C1	189	29.490	0.035	2.6	0.0000	0.0000	OK
15 minute winter	C2	189	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute winter	Basin	1.000	02A	-2.5	-0.614	-0.010	0.0164	
15 minute winter	02A	1.001	02	4.5	0.481	0.029	0.2223	
15 minute winter	02	1.002	03	23.6	0.480	0.033	5.8466	
15 minute winter	01	2.000	03	10.5	0.290	0.015	3.2815	
15 minute winter	03	1.003	04	38.0	0.536	0.054	13.3915	
15 minute winter	04	1.004	05	-24.8	0.369	-0.035	5.5892	
15 minute winter	05	1.005	06HB	30.2	0.508	0.043	8.8834	
15 minute winter	06HB	Hydro-Brake®	07DD	2.6				
15 minute winter	07DD	1.007	C1	2.6	0.554	0.029	0.0245	
15 minute winter	C1	1.008	C2	2.6	0.566	0.029	0.0328	38.1

Results for 5 year 30 minute summer. 270 minute analysis at 1 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	Basin	29	30.228	0.008	2.6	1.1497	0.0000	OK
30 minute summer	02A	18	30.254	0.054	7.1	0.1348	0.0000	OK
30 minute summer	02	34	30.160	0.390	24.0	1.3124	0.0000	OK
30 minute summer	01	32	30.159	0.418	12.4	0.1398	0.0000	OK
30 minute summer	03	35	30.158	0.450	42.2	1.7895	0.0000	OK
30 minute summer	04	36	30.158	0.554	28.8	1.8135	0.0000	OK
30 minute summer	05	36	30.158	0.589	38.1	2.6653	0.0000	OK
30 minute summer	06HB	33	30.159	0.639	16.1	2.8930	0.0000	SURCHARGED
30 minute summer	07DD	16	29.526	0.036	2.6	0.0403	0.0000	OK
30 minute summer	C1	16	29.490	0.035	2.6	0.0000	0.0000	OK
30 minute summer	C2	16	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute summer	Basin	1.000	02A	-2.6	-0.612	-0.010	0.0165	
30 minute summer	02A	1.001	02	4.5	0.481	0.029	0.2231	
30 minute summer	02	1.002	03	19.5	0.433	0.028	8.4573	
30 minute summer	01	2.000	03	9.1	0.255	0.013	4.5363	
30 minute summer	03	1.003	04	18.7	0.432	0.027	17.7656	
30 minute summer	04	1.004	05	12.7	0.361	0.018	6.9735	
30 minute summer	05	1.005	06HB	16.1	0.461	0.023	10.7719	
30 minute summer	06HB	Hydro-Brake®	07DD	2.6				
30 minute summer	07DD	1.007	C1	2.6	0.554	0.029	0.0245	
30 minute summer	C1	1.008	C2	2.6	0.566	0.029	0.0328	38.7

Results for 5 year 30 minute winter. 270 minute analysis at 1 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute winter	Basin	30	30.228	0.008	2.0	1.1310	0.0000	OK
30 minute winter	02A	18	30.250	0.050	5.7	0.1231	0.0000	OK
30 minute winter	02	34	30.164	0.394	19.4	1.3265	0.0000	OK
30 minute winter	01	32	30.162	0.422	10.0	0.1410	0.0000	OK
30 minute winter	03	32	30.161	0.453	37.3	1.7990	0.0000	OK
30 minute winter	04	33	30.159	0.555	28.7	1.8179	0.0000	OK
30 minute winter	05	33	30.162	0.593	28.5	2.6812	0.0000	OK
30 minute winter	06HB	33	30.165	0.645	17.2	2.9163	0.0000	SURCHARGED
30 minute winter	07DD	15	29.526	0.036	2.6	0.0403	0.0000	OK
30 minute winter	C1	15	29.490	0.035	2.6	0.0000	0.0000	OK
30 minute winter	C2	15	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute winter	Basin	1.000	02A	-2.0	-0.535	-0.008	0.0144	
30 minute winter	02A	1.001	02	3.7	0.449	0.024	0.1949	
30 minute winter	02	1.002	03	18.7	0.417	0.027	8.5257	
30 minute winter	01	2.000	03	6.9	0.256	0.010	4.5767	
30 minute winter	03	1.003	04	20.1	0.445	0.029	17.7949	
30 minute winter	04	1.004	05	13.4	0.361	0.019	7.0058	
30 minute winter	05	1.005	06HB	17.2	0.462	0.025	10.8544	
30 minute winter	06HB	Hydro-Brake®	07DD	2.6				
30 minute winter	07DD	1.007	C1	2.6	0.555	0.029	0.0245	
30 minute winter	C1	1.008	C2	2.6	0.566	0.029	0.0328	38.6

Results for 5 year 60 minute summer. 300 minute analysis at 1 minute timestep. Mass balance: 99.88%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute summer	Basin	75	30.243	0.023	3.2	3.5237	0.0000	OK
60 minute summer	02A	61	30.256	0.056	5.5	0.1386	0.0000	OK
60 minute summer	02	63	30.261	0.491	18.6	1.6552	0.0000	OK
60 minute summer	01	61	30.261	0.521	9.6	0.1739	0.0000	OK
60 minute summer	03	61	30.261	0.553	30.0	2.1961	0.0000	OK
60 minute summer	04	62	30.261	0.657	20.5	2.1510	0.0000	OK
60 minute summer	05	62	30.261	0.692	26.2	3.1308	0.0000	OK
60 minute summer	06HB	62	30.262	0.742	12.2	3.3550	0.0000	SURCHARGED
60 minute summer	07DD	28	29.526	0.036	2.6	0.0403	0.0000	OK
60 minute summer	C1	28	29.490	0.035	2.6	0.0000	0.0000	OK
60 minute summer	C2	28	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute summer	Basin	1.000	02A	-3.2	-0.567	-0.012	0.0201	
60 minute summer	02A	1.001	02	3.6	0.443	0.023	0.5130	
60 minute summer	02	1.002	03	12.2	0.301	0.017	11.0380	
60 minute summer	01	2.000	03	5.9	0.234	0.008	5.8552	
60 minute summer	03	1.003	04	9.7	0.362	0.014	21.9862	
60 minute summer	04	1.004	05	6.7	0.335	0.010	8.2559	
60 minute summer	05	1.005	06HB	12.2	0.421	0.018	12.4458	
60 minute summer	06HB	Hydro-Brake®	07DD	2.6				
60 minute summer	07DD	1.007	C1	2.6	0.554	0.029	0.0245	
60 minute summer	C1	1.008	C2	2.6	0.566	0.029	0.0328	39.6

Results for 5 year 60 minute winter. 300 minute analysis at 1 minute timestep. Mass balance: 99.88%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	Basin	75	30.244	0.023	3.4	3.5659	0.0000	OK
60 minute winter	02A	61	30.256	0.056	3.9	0.1400	0.0000	OK
60 minute winter	02	60	30.264	0.494	13.6	1.6642	0.0000	OK
60 minute winter	01	60	30.262	0.522	6.9	0.1743	0.0000	OK
60 minute winter	03	60	30.262	0.554	23.5	2.2011	0.0000	OK
60 minute winter	04	59	30.263	0.659	17.0	2.1564	0.0000	OK
60 minute winter	05	61	30.262	0.693	19.6	3.1356	0.0000	OK
60 minute winter	06HB	61	30.263	0.743	10.7	3.3611	0.0000	SURCHARGED
60 minute winter	07DD	26	29.526	0.036	2.6	0.0403	0.0000	OK
60 minute winter	C1	26	29.490	0.035	2.6	0.0000	0.0000	OK
60 minute winter	C2	27	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute winter	Basin	1.000	02A	-3.4	-0.583	-0.013	0.0204	
60 minute winter	02A	1.001	02	-3.1	0.420	-0.020	0.5274	
60 minute winter	02	1.002	03	10.6	0.320	0.015	11.0933	
60 minute winter	01	2.000	03	4.8	0.231	0.007	5.8696	
60 minute winter	03	1.003	04	9.7	0.381	0.014	22.0402	
60 minute winter	04	1.004	05	6.5	0.336	0.009	8.2701	
60 minute winter	05	1.005	06HB	10.7	0.422	0.015	12.4628	
60 minute winter	06HB	Hydro-Brake®	07DD	2.6				
60 minute winter	07DD	1.007	C1	2.6	0.555	0.029	0.0245	
60 minute winter	C1	1.008	C2	2.6	0.566	0.029	0.0328	39.6

Results for 5 year 120 minute summer. 360 minute analysis at 2 minute timestep. Mass balance: 99.80%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute summer	Basin	124	30.298	0.078	7.5	12.2846	0.0000	OK
120 minute summer	02A	124	30.298	0.098	7.4	0.2423	0.0000	OK
120 minute summer	02	122	30.297	0.527	13.0	1.7755	0.0000	OK
120 minute summer	01	122	30.297	0.557	6.5	0.1860	0.0000	OK
120 minute summer	03	122	30.297	0.589	20.3	2.3407	0.0000	OK
120 minute summer	04	122	30.297	0.693	12.2	2.2692	0.0000	OK
120 minute summer	05	122	30.297	0.728	16.6	3.2925	0.0000	OK
120 minute summer	06HB	122	30.297	0.777	8.0	3.5157	0.0000	SURCHARGED
120 minute summer	07DD	52	29.526	0.036	2.6	0.0403	0.0000	OK
120 minute summer	C1	52	29.490	0.035	2.6	0.0000	0.0000	OK
120 minute summer	C2	52	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute summer	Basin	1.000	02A	-7.5	-0.812	-0.028	0.0652	
120 minute summer	02A	1.001	02	-6.8	0.421	-0.044	0.8550	
120 minute summer	02	1.002	03	7.7	0.238	0.011	11.9189	
120 minute summer	01	2.000	03	3.9	0.207	0.005	6.3031	
120 minute summer	03	1.003	04	5.2	0.312	0.007	23.3517	
120 minute summer	04	1.004	05	3.6	0.291	0.005	8.6389	
120 minute summer	05	1.005	06HB	8.0	0.392	0.012	12.9034	
120 minute summer	06HB	Hydro-Brake®	07DD	2.6				
120 minute summer	07DD	1.007	C1	2.6	0.554	0.029	0.0245	
120 minute summer	C1	1.008	C2	2.6	0.566	0.029	0.0328	46.4

Results for 5 year 120 minute winter. 360 minute analysis at 2 minute timestep. Mass balance: 99.80%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute winter	Basin	122	30.299	0.079	8.6	12.5495	0.0000	OK
120 minute winter	02A	120	30.299	0.099	8.7	0.2465	0.0000	OK
120 minute winter	02	120	30.299	0.529	9.0	1.7811	0.0000	OK
120 minute winter	01	120	30.299	0.559	4.5	0.1866	0.0000	OK
120 minute winter	03	120	30.299	0.591	14.1	2.3471	0.0000	OK
120 minute winter	04	120	30.298	0.694	8.4	2.2736	0.0000	OK
120 minute winter	05	120	30.298	0.729	12.0	3.2983	0.0000	OK
120 minute winter	06HB	120	30.298	0.778	6.5	3.5214	0.0000	SURCHARGED
120 minute winter	07DD	48	29.526	0.036	2.6	0.0403	0.0000	OK
120 minute winter	C1	48	29.490	0.035	2.6	0.0000	0.0000	OK
120 minute winter	C2	48	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute winter	Basin	1.000	02A	-8.6	-0.862	-0.033	0.0669	
120 minute winter	02A	1.001	02	-7.9	0.385	-0.051	0.8715	
120 minute winter	02	1.002	03	-6.0	0.250	-0.009	11.9579	
120 minute winter	01	2.000	03	2.9	0.165	0.004	6.3227	
120 minute winter	03	1.003	04	5.2	0.327	0.007	23.4040	
120 minute winter	04	1.004	05	3.8	0.299	0.005	8.6517	
120 minute winter	05	1.005	06HB	6.5	0.364	0.009	12.9183	
120 minute winter	06HB	Hydro-Brake®	07DD	2.6				
120 minute winter	07DD	1.007	C1	2.6	0.554	0.029	0.0245	
120 minute winter	C1	1.008	C2	2.6	0.566	0.029	0.0328	46.2

Results for 5 year 180 minute summer. 420 minute analysis at 4 minute timestep. Mass balance: 99.80%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute summer	Basin	184	30.322	0.102	9.7	16.3739	0.0000	OK
180 minute summer	02A	184	30.322	0.122	9.8	0.3024	0.0000	OK
180 minute summer	02	184	30.321	0.551	10.0	1.8573	0.0000	OK
180 minute summer	01	184	30.321	0.581	5.0	0.1941	0.0000	OK
180 minute summer	03	184	30.321	0.613	15.2	2.4369	0.0000	OK
180 minute summer	04	184	30.321	0.717	8.9	2.3479	0.0000	OK
180 minute summer	05	184	30.321	0.752	12.6	3.4011	0.0000	OK
180 minute summer	06HB	184	30.321	0.801	6.5	3.6242	0.0000	SURCHARGED
180 minute summer	07DD	76	29.526	0.036	2.6	0.0403	0.0000	OK
180 minute summer	C1	76	29.490	0.035	2.6	0.0000	0.0000	OK
180 minute summer	C2	76	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute summer	Basin	1.000	02A	-9.7	-0.894	-0.037	0.0921	
180 minute summer	02A	1.001	02	-9.0	0.396	-0.058	1.0900	
180 minute summer	02	1.002	03	-6.8	0.220	-0.010	12.4902	
180 minute summer	01	2.000	03	3.0	0.197	0.004	6.5922	
180 minute summer	03	1.003	04	-3.8	0.289	-0.005	24.1858	
180 minute summer	04	1.004	05	2.7	0.280	0.004	8.8675	
180 minute summer	05	1.005	06HB	6.5	0.375	0.009	13.1560	
180 minute summer	06HB	Hydro-Brake®	07DD	2.6				
180 minute summer	07DD	1.007	C1	2.6	0.554	0.029	0.0245	
180 minute summer	C1	1.008	C2	2.6	0.566	0.029	0.0328	54.6

Results for 5 year 180 minute winter. 420 minute analysis at 4 minute timestep. Mass balance: 99.80%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute winter	Basin	180	30.324	0.104	10.1	16.8394	0.0000	OK
180 minute winter	02A	180	30.324	0.124	10.3	0.3092	0.0000	OK
180 minute winter	02	180	30.324	0.554	9.8	1.8668	0.0000	OK
180 minute winter	01	180	30.324	0.584	3.4	0.1951	0.0000	OK
180 minute winter	03	180	30.324	0.616	10.8	2.4483	0.0000	OK
180 minute winter	04	180	30.324	0.720	7.7	2.3573	0.0000	OK
180 minute winter	05	180	30.324	0.755	9.6	3.4141	0.0000	OK
180 minute winter	06HB	180	30.324	0.804	5.3	3.6373	0.0000	SURCHARGED
180 minute winter	07DD	72	29.526	0.036	2.6	0.0403	0.0000	OK
180 minute winter	C1	72	29.490	0.035	2.6	0.0000	0.0000	OK
180 minute winter	C2	72	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute winter	Basin	1.000	02A	-10.1	-0.885	-0.038	0.0952	
180 minute winter	02A	1.001	02	-9.4	0.360	-0.061	1.1176	
180 minute winter	02	1.002	03	-7.2	0.231	-0.010	12.5567	
180 minute winter	01	2.000	03	2.1	0.143	0.003	6.6256	
180 minute winter	03	1.003	04	-4.3	0.301	-0.006	24.2825	
180 minute winter	04	1.004	05	3.1	0.271	0.004	8.8935	
180 minute winter	05	1.005	06HB	5.3	0.270	0.008	13.1812	
180 minute winter	06HB	Hydro-Brake®	07DD	2.6				
180 minute winter	07DD	1.007	C1	2.6	0.554	0.029	0.0245	
180 minute winter	C1	1.008	C2	2.6	0.566	0.029	0.0328	54.3

Results for 5 year 240 minute summer. 480 minute analysis at 4 minute timestep. Mass balance: 99.80%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute summer	Basin	244	30.335	0.115	10.4	18.6253	0.0000	OK
240 minute summer	02A	244	30.335	0.135	10.4	0.3346	0.0000	OK
240 minute summer	02	240	30.335	0.565	9.9	1.9018	0.0000	OK
240 minute summer	01	240	30.335	0.594	4.3	0.1986	0.0000	OK
240 minute summer	03	240	30.335	0.626	13.2	2.4897	0.0000	OK
240 minute summer	04	240	30.335	0.731	8.1	2.3918	0.0000	OK
240 minute summer	05	240	30.335	0.766	11.3	3.4618	0.0000	OK
240 minute summer	06HB	240	30.335	0.815	6.0	3.6851	0.0000	SURCHARGED
240 minute summer	07DD	100	29.526	0.036	2.6	0.0403	0.0000	OK
240 minute summer	C1	100	29.490	0.035	2.6	0.0000	0.0000	OK
240 minute summer	C2	100	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute summer	Basin	1.000	02A	-10.4	-0.913	-0.039	0.1074	
240 minute summer	02A	1.001	02	-9.5	0.381	-0.062	1.2208	
240 minute summer	02	1.002	03	-7.1	0.216	-0.010	12.7961	
240 minute summer	01	2.000	03	2.6	0.188	0.004	6.7461	
240 minute summer	03	1.003	04	-4.0	0.268	-0.006	24.6267	
240 minute summer	04	1.004	05	2.6	0.262	0.004	8.9855	
240 minute summer	05	1.005	06HB	6.0	0.360	0.009	13.2713	
240 minute summer	06HB	Hydro-Brake®	07DD	2.6				
240 minute summer	07DD	1.007	C1	2.6	0.554	0.029	0.0245	
240 minute summer	C1	1.008	C2	2.6	0.566	0.029	0.0328	63.0

Results for 5 year 240 minute winter. 480 minute analysis at 4 minute timestep. Mass balance: 99.80%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute winter	Basin	236	30.339	0.119	10.1	19.4681	0.0000	OK
240 minute winter	02A	236	30.339	0.139	10.2	0.3465	0.0000	OK
240 minute winter	02	236	30.339	0.569	9.3	1.9179	0.0000	OK
240 minute winter	01	236	30.339	0.599	2.8	0.2001	0.0000	OK
240 minute winter	03	236	30.339	0.631	8.9	2.5085	0.0000	OK
240 minute winter	04	236	30.339	0.735	5.9	2.4070	0.0000	OK
240 minute winter	05	236	30.339	0.770	8.2	3.4827	0.0000	OK
240 minute winter	06HB	236	30.339	0.819	4.7	3.7060	0.0000	SURCHARGED
240 minute winter	07DD	92	29.526	0.036	2.6	0.0403	0.0000	OK
240 minute winter	C1	92	29.490	0.035	2.6	0.0000	0.0000	OK
240 minute winter	C2	92	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute winter	Basin	1.000	02A	-10.1	-0.867	-0.038	0.1131	
240 minute winter	02A	1.001	02	-9.2	0.338	-0.059	1.2696	
240 minute winter	02	1.002	03	-6.6	0.222	-0.009	12.9043	
240 minute winter	01	2.000	03	1.7	0.136	0.002	6.8009	
240 minute winter	03	1.003	04	3.3	0.286	0.005	24.7777	
240 minute winter	04	1.004	05	2.7	0.257	0.004	9.0233	
240 minute winter	05	1.005	06HB	4.7	0.289	0.007	13.3037	
240 minute winter	06HB	Hydro-Brake®	07DD	2.6				
240 minute winter	07DD	1.007	C1	2.6	0.554	0.029	0.0245	
240 minute winter	C1	1.008	C2	2.6	0.566	0.029	0.0328	62.6

Results for 5 year 360 minute summer. 600 minute analysis at 8 minute timestep. Mass balance: 99.82%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute summer	Basin	360	30.344	0.124	9.4	20.3329	0.0000	OK
360 minute summer	02A	360	30.344	0.144	10.0	0.3587	0.0000	OK
360 minute summer	02	360	30.344	0.574	9.1	1.9348	0.0000	OK
360 minute summer	01	360	30.344	0.604	3.3	0.2018	0.0000	OK
360 minute summer	03	360	30.344	0.636	10.3	2.5286	0.0000	OK
360 minute summer	04	360	30.344	0.740	6.4	2.4236	0.0000	OK
360 minute summer	05	360	30.344	0.775	9.0	3.5057	0.0000	OK
360 minute summer	06HB	360	30.344	0.824	5.0	3.7289	0.0000	SURCHARGED
360 minute summer	07DD	152	29.526	0.036	2.6	0.0403	0.0000	OK
360 minute summer	C1	152	29.490	0.035	2.6	0.0000	0.0000	OK
360 minute summer	C2	152	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute summer	Basin	1.000	02A	-9.4	-0.875	-0.036	0.1191	
360 minute summer	02A	1.001	02	-9.1	0.357	-0.059	1.3204	
360 minute summer	02	1.002	03	-6.7	0.202	-0.010	13.0189	
360 minute summer	01	2.000	03	2.0	0.123	0.003	6.8584	
360 minute summer	03	1.003	04	-3.2	0.249	-0.005	24.9401	
360 minute summer	04	1.004	05	2.4	0.253	0.003	9.0647	
360 minute summer	05	1.005	06HB	5.0	0.239	0.007	13.3324	
360 minute summer	06HB	Hydro-Brake®	07DD	2.6				
360 minute summer	07DD	1.007	C1	2.6	0.554	0.029	0.0245	
360 minute summer	C1	1.008	C2	2.6	0.566	0.029	0.0328	78.8

Results for 5 year 360 minute winter. 600 minute analysis at 8 minute timestep. Mass balance: 99.82%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute winter	Basin	344	30.350	0.130	7.1	21.3270	0.0000	OK
360 minute winter	02A	344	30.350	0.150	8.4	0.3725	0.0000	OK
360 minute winter	02	344	30.350	0.580	8.0	1.9537	0.0000	OK
360 minute winter	01	344	30.350	0.610	2.2	0.2037	0.0000	OK
360 minute winter	03	344	30.350	0.642	6.8	2.5509	0.0000	OK
360 minute winter	04	344	30.350	0.746	4.6	2.4420	0.0000	OK
360 minute winter	05	344	30.350	0.781	6.4	3.5311	0.0000	OK
360 minute winter	06HB	344	30.350	0.830	4.1	3.7543	0.0000	SURCHARGED
360 minute winter	07DD	136	29.526	0.036	2.6	0.0402	0.0000	OK
360 minute winter	C1	144	29.490	0.035	2.6	0.0000	0.0000	OK
360 minute winter	C2	144	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute winter	Basin	1.000	02A	-7.1	-0.806	-0.027	0.1260	
360 minute winter	02A	1.001	02	-7.6	0.307	-0.049	1.3777	
360 minute winter	02	1.002	03	-5.7	0.202	-0.008	13.1440	
360 minute winter	01	2.000	03	1.5	0.123	0.002	6.9210	
360 minute winter	03	1.003	04	2.8	0.267	0.004	25.1146	
360 minute winter	04	1.004	05	2.4	0.241	0.003	9.1098	
360 minute winter	05	1.005	06HB	4.1	0.248	0.006	13.3642	
360 minute winter	06HB	Hydro-Brake®	07DD	2.6				
360 minute winter	07DD	1.007	C1	2.6	0.554	0.029	0.0245	
360 minute winter	C1	1.008	C2	2.6	0.566	0.029	0.0327	78.6

Results for 5 year 480 minute summer. 720 minute analysis at 8 minute timestep. Mass balance: 99.84%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute summer	Basin	424	30.346	0.126	7.4	20.5477	0.0000	OK
480 minute summer	02A	424	30.346	0.146	8.5	0.3617	0.0000	OK
480 minute summer	02	424	30.346	0.576	8.1	1.9389	0.0000	OK
480 minute summer	01	432	30.346	0.606	2.7	0.2022	0.0000	OK
480 minute summer	03	424	30.346	0.638	8.6	2.5335	0.0000	OK
480 minute summer	04	424	30.346	0.742	5.6	2.4278	0.0000	OK
480 minute summer	05	424	30.346	0.777	7.8	3.5115	0.0000	OK
480 minute summer	06HB	424	30.346	0.826	4.6	3.7347	0.0000	SURCHARGED
480 minute summer	07DD	208	29.526	0.036	2.6	0.0403	0.0000	OK
480 minute summer	C1	208	29.490	0.035	2.6	0.0000	0.0000	OK
480 minute summer	C2	208	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute summer	Basin	1.000	02A	-7.4	-0.827	-0.028	0.1206	
480 minute summer	02A	1.001	02	-7.7	0.331	-0.050	1.3328	
480 minute summer	02	1.002	03	-5.8	0.208	-0.008	13.0462	
480 minute summer	01	2.000	03	1.7	0.113	0.002	6.8722	
480 minute summer	03	1.003	04	-2.8	0.250	-0.004	24.9794	
480 minute summer	04	1.004	05	2.3	0.229	0.003	9.0751	
480 minute summer	05	1.005	06HB	4.6	0.246	0.007	13.3397	
480 minute summer	06HB	Hydro-Brake®	07DD	2.6				
480 minute summer	07DD	1.007	C1	2.6	0.554	0.029	0.0245	
480 minute summer	C1	1.008	C2	2.6	0.566	0.029	0.0328	94.0

Results for 5 year 480 minute winter. 720 minute analysis at 8 minute timestep. Mass balance: 99.84%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute winter	Basin	456	30.349	0.129	7.2	21.1658	0.0000	OK
480 minute winter	02A	456	30.349	0.149	7.3	0.3703	0.0000	OK
480 minute winter	02	456	30.349	0.579	6.6	1.9505	0.0000	OK
480 minute winter	01	456	30.349	0.609	1.8	0.2034	0.0000	OK
480 minute winter	03	456	30.349	0.641	5.7	2.5472	0.0000	OK
480 minute winter	04	456	30.349	0.745	4.0	2.4390	0.0000	OK
480 minute winter	05	456	30.349	0.780	5.6	3.5269	0.0000	OK
480 minute winter	06HB	456	30.349	0.829	3.8	3.7502	0.0000	SURCHARGED
480 minute winter	07DD	192	29.526	0.036	2.6	0.0403	0.0000	OK
480 minute winter	C1	192	29.490	0.035	2.6	0.0000	0.0000	OK
480 minute winter	C2	192	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute winter	Basin	1.000	02A	-7.2	-0.739	-0.027	0.1249	
480 minute winter	02A	1.001	02	-6.5	0.293	-0.042	1.3682	
480 minute winter	02	1.002	03	-4.5	0.210	-0.006	13.1232	
480 minute winter	01	2.000	03	1.2	0.122	0.002	6.9106	
480 minute winter	03	1.003	04	2.9	0.250	0.004	25.0867	
480 minute winter	04	1.004	05	2.4	0.233	0.003	9.1027	
480 minute winter	05	1.005	06HB	3.8	0.212	0.005	13.3590	
480 minute winter	06HB	Hydro-Brake®	07DD	2.6				
480 minute winter	07DD	1.007	C1	2.6	0.554	0.029	0.0245	
480 minute winter	C1	1.008	C2	2.6	0.566	0.029	0.0328	94.1

Results for 5 year 600 minute summer. 840 minute analysis at 15 minute timestep. Mass balance: 99.85%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute summer	Basin	495	30.344	0.124	7.7	20.2883	0.0000	OK
600 minute summer	02A	495	30.344	0.144	7.8	0.3581	0.0000	OK
600 minute summer	02	495	30.344	0.574	7.2	1.9341	0.0000	OK
600 minute summer	01	495	30.344	0.604	2.2	0.2018	0.0000	OK
600 minute summer	03	495	30.344	0.636	7.3	2.5278	0.0000	OK
600 minute summer	04	495	30.344	0.740	5.0	2.4231	0.0000	OK
600 minute summer	05	495	30.344	0.775	6.9	3.5050	0.0000	OK
600 minute summer	06HB	495	30.344	0.824	4.3	3.7282	0.0000	SURCHARGED
600 minute summer	07DD	270	29.526	0.036	2.6	0.0402	0.0000	OK
600 minute summer	C1	270	29.490	0.035	2.6	0.0000	0.0000	OK
600 minute summer	C2	270	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute summer	Basin	1.000	02A	-7.7	-0.696	-0.029	0.1188	
600 minute summer	02A	1.001	02	-7.0	0.315	-0.045	1.3180	
600 minute summer	02	1.002	03	-5.0	0.204	-0.007	13.0140	
600 minute summer	01	2.000	03	1.4	0.123	0.002	6.8560	
600 minute summer	03	1.003	04	2.9	0.246	0.004	24.9340	
600 minute summer	04	1.004	05	2.5	0.226	0.004	9.0633	
600 minute summer	05	1.005	06HB	4.3	0.162	0.006	13.3315	
600 minute summer	06HB	Hydro-Brake®	07DD	2.6				
600 minute summer	07DD	1.007	C1	2.6	0.554	0.029	0.0245	
600 minute summer	C1	1.008	C2	2.6	0.566	0.029	0.0327	107.5

Results for 5 year 600 minute winter. 840 minute analysis at 15 minute timestep. Mass balance: 99.85%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute winter	Basin	540	30.348	0.128	5.6	20.9406	0.0000	OK
600 minute winter	02A	540	30.348	0.148	5.5	0.3671	0.0000	OK
600 minute winter	02	540	30.348	0.578	5.3	1.9464	0.0000	OK
600 minute winter	01	540	30.348	0.608	1.5	0.2030	0.0000	OK
600 minute winter	03	540	30.348	0.640	5.1	2.5423	0.0000	OK
600 minute winter	04	540	30.348	0.744	3.8	2.4350	0.0000	OK
600 minute winter	05	540	30.348	0.779	5.2	3.5215	0.0000	OK
600 minute winter	06HB	540	30.348	0.828	3.6	3.7447	0.0000	SURCHARGED
600 minute winter	07DD	240	29.526	0.036	2.6	0.0403	0.0000	OK
600 minute winter	C1	240	29.490	0.035	2.6	0.0000	0.0000	OK
600 minute winter	C2	240	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute winter	Basin	1.000	02A	-5.6	-0.622	-0.021	0.1233	
600 minute winter	02A	1.001	02	-4.8	0.292	-0.031	1.3553	
600 minute winter	02	1.002	03	-3.4	0.202	-0.005	13.0956	
600 minute winter	01	2.000	03	1.0	0.114	0.001	6.8969	
600 minute winter	03	1.003	04	2.6	0.246	0.004	25.0488	
600 minute winter	04	1.004	05	2.3	0.224	0.003	9.0930	
600 minute winter	05	1.005	06HB	3.6	0.177	0.005	13.3521	
600 minute winter	06HB	Hydro-Brake®	07DD	2.6				
600 minute winter	07DD	1.007	C1	2.6	0.554	0.029	0.0245	
600 minute winter	C1	1.008	C2	2.6	0.566	0.029	0.0328	108.4

Results for 5 year 720 minute summer. 960 minute analysis at 15 minute timestep. Mass balance: 99.87%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute summer	Basin	555	30.341	0.121	6.0	19.6932	0.0000	OK
720 minute summer	02A	555	30.341	0.141	6.1	0.3497	0.0000	OK
720 minute summer	02	555	30.341	0.571	5.9	1.9228	0.0000	OK
720 minute summer	01	555	30.341	0.601	2.0	0.2006	0.0000	OK
720 minute summer	03	555	30.341	0.633	6.6	2.5145	0.0000	OK
720 minute summer	04	555	30.341	0.737	4.7	2.4121	0.0000	OK
720 minute summer	05	555	30.341	0.772	6.4	3.4898	0.0000	OK
720 minute summer	06HB	555	30.341	0.821	4.1	3.7130	0.0000	SURCHARGED
720 minute summer	07DD	315	29.526	0.036	2.6	0.0403	0.0000	OK
720 minute summer	C1	315	29.490	0.035	2.6	0.0000	0.0000	OK
720 minute summer	C2	315	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute summer	Basin	1.000	02A	-6.0	-0.735	-0.023	0.1147	
720 minute summer	02A	1.001	02	-5.3	0.299	-0.034	1.2837	
720 minute summer	02	1.002	03	-3.8	0.194	-0.005	12.9379	
720 minute summer	01	2.000	03	1.3	0.116	0.002	6.8179	
720 minute summer	03	1.003	04	2.5	0.251	0.004	24.8266	
720 minute summer	04	1.004	05	2.3	0.219	0.003	9.0360	
720 minute summer	05	1.005	06HB	4.1	0.165	0.006	13.3125	
720 minute summer	06HB	Hydro-Brake®	07DD	2.6				
720 minute summer	07DD	1.007	C1	2.6	0.554	0.029	0.0245	
720 minute summer	C1	1.008	C2	2.6	0.566	0.029	0.0328	120.9

Results for 5 year 720 minute winter. 960 minute analysis at 15 minute timestep. Mass balance: 99.87%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute winter	Basin	570	30.340	0.120	4.4	19.5691	0.0000	OK
720 minute winter	02A	570	30.340	0.140	4.5	0.3480	0.0000	OK
720 minute winter	02	570	30.340	0.570	4.1	1.9204	0.0000	OK
720 minute winter	01	570	30.340	0.600	1.3	0.2004	0.0000	OK
720 minute winter	03	570	30.340	0.632	4.4	2.5117	0.0000	OK
720 minute winter	04	570	30.340	0.736	3.2	2.4098	0.0000	OK
720 minute winter	05	570	30.340	0.771	4.7	3.4866	0.0000	OK
720 minute winter	06HB	570	30.340	0.820	3.4	3.7098	0.0000	SURCHARGED
720 minute winter	07DD	300	29.526	0.036	2.6	0.0402	0.0000	OK
720 minute winter	C1	300	29.490	0.035	2.6	0.0000	0.0000	OK
720 minute winter	C2	300	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute winter	Basin	1.000	02A	-4.4	-0.650	-0.017	0.1138	
720 minute winter	02A	1.001	02	-3.9	0.292	-0.025	1.2765	
720 minute winter	02	1.002	03	-2.5	0.194	-0.004	12.9219	
720 minute winter	01	2.000	03	0.9	0.115	0.001	6.8099	
720 minute winter	03	1.003	04	2.5	0.247	0.004	24.8039	
720 minute winter	04	1.004	05	2.3	0.222	0.003	9.0302	
720 minute winter	05	1.005	06HB	3.4	0.207	0.005	13.3085	
720 minute winter	06HB	Hydro-Brake®	07DD	2.6				
720 minute winter	07DD	1.007	C1	2.6	0.554	0.029	0.0245	
720 minute winter	C1	1.008	C2	2.6	0.566	0.029	0.0327	121.9

Results for 5 year 960 minute summer. 1200 minute analysis at 15 minute timestep. Mass balance: 99.90%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute summer	Basin	690	30.338	0.118	5.6	19.2350	0.0000	OK
960 minute summer	02A	690	30.338	0.138	5.8	0.3433	0.0000	OK
960 minute summer	02	690	30.338	0.568	5.3	1.9141	0.0000	OK
960 minute summer	01	690	30.338	0.598	1.7	0.1998	0.0000	OK
960 minute summer	03	690	30.338	0.630	5.4	2.5042	0.0000	OK
960 minute summer	04	690	30.338	0.734	3.8	2.4036	0.0000	OK
960 minute summer	05	690	30.338	0.769	5.4	3.4781	0.0000	OK
960 minute summer	06HB	690	30.338	0.818	3.6	3.7013	0.0000	SURCHARGED
960 minute summer	07DD	420	29.526	0.036	2.6	0.0402	0.0000	OK
960 minute summer	C1	420	29.490	0.035	2.6	0.0000	0.0000	OK
960 minute summer	C2	420	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute summer	Basin	1.000	02A	-5.6	-0.586	-0.021	0.1115	
960 minute summer	02A	1.001	02	-5.2	0.292	-0.033	1.2574	
960 minute summer	02	1.002	03	-3.6	0.194	-0.005	12.8793	
960 minute summer	01	2.000	03	1.1	0.115	0.002	6.7884	
960 minute summer	03	1.003	04	2.5	0.247	0.004	24.7436	
960 minute summer	04	1.004	05	2.3	0.219	0.003	9.0149	
960 minute summer	05	1.005	06HB	3.6	0.154	0.005	13.2979	
960 minute summer	06HB	Hydro-Brake®	07DD	2.6				
960 minute summer	07DD	1.007	C1	2.6	0.554	0.029	0.0245	
960 minute summer	C1	1.008	C2	2.6	0.566	0.029	0.0327	146.8

Results for 5 year 960 minute winter. 1200 minute analysis at 15 minute timestep. Mass balance: 99.91%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute winter	Basin	720	30.325	0.105	3.4	16.9427	0.0000	OK
960 minute winter	02A	720	30.325	0.125	3.4	0.3108	0.0000	OK
960 minute winter	02	720	30.325	0.555	3.0	1.8699	0.0000	OK
960 minute winter	01	720	30.325	0.585	1.1	0.1954	0.0000	OK
960 minute winter	03	720	30.325	0.617	3.7	2.4521	0.0000	OK
960 minute winter	04	720	30.325	0.721	3.0	2.3607	0.0000	OK
960 minute winter	05	720	30.325	0.756	4.2	3.4188	0.0000	OK
960 minute winter	06HB	720	30.325	0.805	3.2	3.6420	0.0000	SURCHARGED
960 minute winter	07DD	405	29.526	0.036	2.6	0.0403	0.0000	OK
960 minute winter	C1	405	29.490	0.035	2.6	0.0000	0.0000	OK
960 minute winter	C2	405	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute winter	Basin	1.000	02A	-3.4	-0.557	-0.013	0.0959	
960 minute winter	02A	1.001	02	-2.9	0.292	-0.019	1.1255	
960 minute winter	02	1.002	03	-1.8	0.191	-0.003	12.5786	
960 minute winter	01	2.000	03	0.8	0.112	0.001	6.6369	
960 minute winter	03	1.003	04	2.3	0.248	0.003	24.3160	
960 minute winter	04	1.004	05	2.2	0.219	0.003	8.9028	
960 minute winter	05	1.005	06HB	3.2	0.163	0.005	13.1903	
960 minute winter	06HB	Hydro-Brake®	07DD	2.6				
960 minute winter	07DD	1.007	C1	2.6	0.554	0.029	0.0245	
960 minute winter	C1	1.008	C2	2.6	0.566	0.029	0.0328	148.2

Results for 5 year 1440 minute summer. 1680 minute analysis at 30 minute timestep. Mass balance: 99.97%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute summer	Basin	990	30.323	0.103	3.2	16.5055	0.0000	OK
1440 minute summer	02A	990	30.323	0.123	3.2	0.3045	0.0000	OK
1440 minute summer	02	990	30.323	0.553	3.0	1.8614	0.0000	OK
1440 minute summer	01	990	30.323	0.583	1.2	0.1946	0.0000	OK
1440 minute summer	03	990	30.323	0.615	4.2	2.4421	0.0000	OK
1440 minute summer	04	990	30.323	0.719	3.2	2.3524	0.0000	OK
1440 minute summer	05	990	30.323	0.754	4.5	3.4074	0.0000	OK
1440 minute summer	06HB	990	30.323	0.803	3.3	3.6306	0.0000	SURCHARGED
1440 minute summer	07DD	660	29.526	0.036	2.6	0.0403	0.0000	OK
1440 minute summer	C1	660	29.490	0.035	2.6	0.0000	0.0000	OK
1440 minute summer	C2	660	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute summer	Basin	1.000	02A	-3.2	-0.390	-0.012	0.0930	
1440 minute summer	02A	1.001	02	-2.7	0.292	-0.018	1.1004	
1440 minute summer	02	1.002	03	-1.7	0.184	-0.002	12.5198	
1440 minute summer	01	2.000	03	0.8	0.111	0.001	6.6074	
1440 minute summer	03	1.003	04	2.0	0.245	0.003	24.2309	
1440 minute summer	04	1.004	05	2.0	0.217	0.003	8.8801	
1440 minute summer	05	1.005	06HB	3.3	0.122	0.005	13.1683	
1440 minute summer	06HB	Hydro-Brake®	07DD	2.6				
1440 minute summer	07DD	1.007	C1	2.6	0.554	0.029	0.0245	
1440 minute summer	C1	1.008	C2	2.6	0.566	0.029	0.0328	195.1

Results for 5 year 1440 minute winter. 1680 minute analysis at 30 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute winter	Basin	1050	30.299	0.079	1.9	12.4275	0.0000	OK
1440 minute winter	02A	1050	30.299	0.099	2.0	0.2449	0.0000	OK
1440 minute winter	02	1050	30.299	0.529	1.8	1.7807	0.0000	OK
1440 minute winter	01	1050	30.299	0.559	0.8	0.1866	0.0000	OK
1440 minute winter	03	1050	30.299	0.591	3.0	2.3469	0.0000	OK
1440 minute winter	04	1050	30.299	0.695	2.8	2.2740	0.0000	OK
1440 minute winter	05	1050	30.299	0.730	3.7	3.2991	0.0000	OK
1440 minute winter	06HB	1050	30.299	0.779	3.0	3.5222	0.0000	SURCHARGED
1440 minute winter	07DD	630	29.526	0.036	2.6	0.0403	0.0000	OK
1440 minute winter	C1	630	29.490	0.035	2.6	0.0000	0.0000	OK
1440 minute winter	C2	630	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute winter	Basin	1.000	02A	-1.9	-0.301	-0.007	0.0662	
1440 minute winter	02A	1.001	02	-1.6	0.292	-0.010	0.8682	
1440 minute winter	02	1.002	03	1.3	0.190	0.002	11.9557	
1440 minute winter	01	2.000	03	0.6	0.106	0.001	6.3220	
1440 minute winter	03	1.003	04	2.2	0.237	0.003	23.4048	
1440 minute winter	04	1.004	05	2.2	0.218	0.003	8.6531	
1440 minute winter	05	1.005	06HB	3.0	0.126	0.004	12.9202	
1440 minute winter	06HB	Hydro-Brake®	07DD	2.6				
1440 minute winter	07DD	1.007	C1	2.6	0.554	0.029	0.0245	
1440 minute winter	C1	1.008	C2	2.6	0.566	0.029	0.0328	199.7

Results for 5 year 2160 minute summer. 2400 minute analysis at 60 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2160 minute summer	Basin	1440	30.292	0.072	1.9	11.3260	0.0000	OK
2160 minute summer	02A	1440	30.292	0.092	1.9	0.2285	0.0000	OK
2160 minute summer	02	1440	30.292	0.522	1.9	1.7584	0.0000	OK
2160 minute summer	01	1440	30.292	0.552	0.9	0.1843	0.0000	OK
2160 minute summer	03	1440	30.292	0.584	3.2	2.3206	0.0000	OK
2160 minute summer	04	1440	30.292	0.688	2.8	2.2523	0.0000	OK
2160 minute summer	05	1440	30.292	0.723	3.9	3.2691	0.0000	OK
2160 minute summer	06HB	1440	30.292	0.772	3.1	3.4922	0.0000	SURCHARGED
2160 minute summer	07DD	1020	29.526	0.036	2.6	0.0403	0.0000	OK
2160 minute summer	C1	1020	29.490	0.035	2.6	0.0000	0.0000	OK
2160 minute summer	C2	1020	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2160 minute summer	Basin	1.000	02A	-1.9	0.218	-0.007	0.0593	
2160 minute summer	02A	1.001	02	-1.6	0.292	-0.010	0.8064	
2160 minute summer	02	1.002	03	1.4	0.179	0.002	11.7976	
2160 minute summer	01	2.000	03	0.6	0.098	0.001	6.2417	
2160 minute summer	03	1.003	04	2.0	0.226	0.003	23.1699	
2160 minute summer	04	1.004	05	2.0	0.217	0.003	8.5864	
2160 minute summer	05	1.005	06HB	3.1	0.119	0.004	12.8412	
2160 minute summer	06HB	Hydro-Brake®	07DD	2.6				
2160 minute summer	07DD	1.007	C1	2.6	0.554	0.029	0.0245	
2160 minute summer	C1	1.008	C2	2.6	0.566	0.029	0.0328	262.9

Results for 5 year 2160 minute winter. 2400 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	Basin	1500	30.236	0.016	0.5	2.3796	0.0000	OK
2160 minute winter	02A	1440	30.236	0.036	0.5	0.0899	0.0000	OK
2160 minute winter	02	1440	30.236	0.466	1.4	1.5710	0.0000	OK
2160 minute winter	01	1440	30.236	0.496	0.6	0.1658	0.0000	OK
2160 minute winter	03	1440	30.236	0.528	2.4	2.0995	0.0000	OK
2160 minute winter	04	1440	30.236	0.632	2.3	2.0702	0.0000	OK
2160 minute winter	05	1440	30.236	0.667	3.3	3.0176	0.0000	OK
2160 minute winter	06HB	1440	30.236	0.716	2.9	3.2406	0.0000	SURCHARGED
2160 minute winter	07DD	1020	29.526	0.036	2.6	0.0402	0.0000	OK
2160 minute winter	C1	1020	29.490	0.035	2.6	0.0000	0.0000	OK
2160 minute winter	C2	1020	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2160 minute winter	Basin	1.000	02A	-0.5	-0.163	-0.002	0.0113	
2160 minute winter	02A	1.001	02	0.4	0.292	0.003	0.3423	
2160 minute winter	02	1.002	03	1.1	0.172	0.002	10.4326	
2160 minute winter	01	2.000	03	0.5	0.103	0.001	5.5477	
2160 minute winter	03	1.003	04	1.7	0.244	0.002	21.0733	
2160 minute winter	04	1.004	05	1.9	0.214	0.003	7.9686	
2160 minute winter	05	1.005	06HB	2.9	0.120	0.004	12.0768	
2160 minute winter	06HB	Hydro-Brake®	07DD	2.6				
2160 minute winter	07DD	1.007	C1	2.6	0.554	0.029	0.0245	
2160 minute winter	C1	1.008	C2	2.6	0.566	0.029	0.0327	265.8

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

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	Basin	17	30.230	0.010	4.3	1.5548	0.0000	OK
15 minute summer	02A	10	30.265	0.065	11.1	0.1610	0.0000	OK
15 minute summer	02	19	30.222	0.452	39.9	1.5218	0.0000	OK
15 minute summer	01	22	30.214	0.474	19.4	0.1582	0.0000	OK
15 minute summer	03	22	30.213	0.505	71.5	2.0053	0.0000	OK
15 minute summer	04	18	30.216	0.612	70.7	2.0033	0.0000	OK
15 minute summer	05	18	30.214	0.645	67.3	2.9168	0.0000	OK
15 minute summer	06HB	18	30.213	0.693	21.7	3.1343	0.0000	SURCHARGED
15 minute summer	07DD	9	29.526	0.036	2.6	0.0402	0.0000	OK
15 minute summer	C1	9	29.490	0.035	2.6	0.0000	0.0000	OK
15 minute summer	C2	9	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	Basin	1.000	02A	-4.3	-0.785	-0.016	0.0214	
15 minute summer	02A	1.001	02	6.5	0.534	0.042	0.2920	
15 minute summer	02	1.002	03	-33.1	0.518	-0.047	9.8912	
15 minute summer	01	2.000	03	18.1	0.311	0.026	5.2513	
15 minute summer	03	1.003	04	52.7	0.556	0.075	19.7571	
15 minute summer	04	1.004	05	-29.7	0.386	-0.042	7.7090	
15 minute summer	05	1.005	06HB	21.7	0.538	0.031	11.7156	
15 minute summer	06HB	Hydro-Brake®	07DD	2.6				
15 minute summer	07DD	1.007	C1	2.6	0.554	0.029	0.0245	
15 minute summer	C1	1.008	C2	2.6	0.566	0.029	0.0327	35.4

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

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	Basin	17	30.230	0.010	4.0	1.5579	0.0000	OK
15 minute winter	02A	10	30.263	0.063	10.4	0.1566	0.0000	OK
15 minute winter	02	19	30.220	0.450	36.4	1.5150	0.0000	OK
15 minute winter	01	19	30.212	0.472	18.2	0.1576	0.0000	OK
15 minute winter	03	19	30.211	0.503	66.0	2.0009	0.0000	OK
15 minute winter	04	18	30.217	0.613	67.5	2.0066	0.0000	OK
15 minute winter	05	18	30.213	0.644	71.8	2.9131	0.0000	OK
15 minute winter	06HB	23	30.211	0.691	23.9	3.1269	0.0000	SURCHARGED
15 minute winter	07DD	9	29.526	0.036	2.6	0.0402	0.0000	OK
15 minute winter	C1	9	29.490	0.035	2.6	0.0000	0.0000	OK
15 minute winter	C2	9	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute winter	Basin	1.000	02A	-4.0	-0.754	-0.015	0.0205	
15 minute winter	02A	1.001	02	6.2	0.526	0.040	0.2791	
15 minute winter	02	1.002	03	29.8	0.495	0.042	9.9132	
15 minute winter	01	2.000	03	16.7	0.317	0.024	5.2331	
15 minute winter	03	1.003	04	50.6	0.577	0.072	19.7642	
15 minute winter	04	1.004	05	35.5	0.381	0.051	7.7105	
15 minute winter	05	1.005	06HB	23.9	0.534	0.034	11.6939	
15 minute winter	06HB	Hydro-Brake®	07DD	2.6				
15 minute winter	07DD	1.007	C1	2.6	0.554	0.028	0.0245	
15 minute winter	C1	1.008	C2	2.6	0.566	0.029	0.0327	35.4

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

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	Basin	39	30.297	0.077	16.1	12.1805	0.0000	OK
30 minute summer	02A	34	30.304	0.104	16.9	0.2583	0.0000	OK
30 minute summer	02	30	30.326	0.556	34.8	1.8746	0.0000	OK
30 minute summer	01	30	30.323	0.583	18.2	0.1947	0.0000	OK
30 minute summer	03	30	30.323	0.615	58.5	2.4447	0.0000	OK
30 minute summer	04	29	30.326	0.722	38.4	2.3629	0.0000	OK
30 minute summer	05	31	30.325	0.756	49.2	3.4199	0.0000	OK
30 minute summer	06HB	31	30.328	0.808	24.1	3.6536	0.0000	SURCHARGED
30 minute summer	07DD	14	29.526	0.036	2.6	0.0403	0.0000	OK
30 minute summer	C1	14	29.490	0.035	2.6	0.0000	0.0000	OK
30 minute summer	C2	14	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute summer	Basin	1.000	02A	-16.1	-1.150	-0.061	0.0644	
30 minute summer	02A	1.001	02	-15.6	0.528	-0.101	1.0091	
30 minute summer	02	1.002	03	21.7	0.400	0.031	12.5743	
30 minute summer	01	2.000	03	12.1	0.276	0.017	6.6134	
30 minute summer	03	1.003	04	-19.1	0.468	-0.027	24.2014	
30 minute summer	04	1.004	05	-16.7	0.375	-0.024	8.9038	
30 minute summer	05	1.005	06HB	24.1	0.486	0.035	13.1990	
30 minute summer	06HB	Hydro-Brake®	07DD	2.6				
30 minute summer	07DD	1.007	C1	2.6	0.555	0.029	0.0245	
30 minute summer	C1	1.008	C2	2.6	0.566	0.029	0.0328	34.6

Results for 30 year 30 minute winter. 270 minute analysis at 1 minute timestep. Mass balance: 99.79%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute winter	Basin	39	30.298	0.078	18.1	12.2725	0.0000	OK
30 minute winter	02A	34	30.305	0.105	18.1	0.2606	0.0000	OK
30 minute winter	02	30	30.329	0.559	28.2	1.8839	0.0000	OK
30 minute winter	01	30	30.328	0.588	14.7	0.1963	0.0000	OK
30 minute winter	03	30	30.328	0.620	50.1	2.4638	0.0000	OK
30 minute winter	04	29	30.331	0.727	31.8	2.3817	0.0000	OK
30 minute winter	05	31	30.329	0.760	38.7	3.4347	0.0000	OK
30 minute winter	06HB	31	30.330	0.810	23.9	3.6635	0.0000	SURCHARGED
30 minute winter	07DD	13	29.526	0.036	2.6	0.0403	0.0000	OK
30 minute winter	C1	14	29.490	0.035	2.6	0.0000	0.0000	OK
30 minute winter	C2	14	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute winter	Basin	1.000	02A	-18.1	-1.229	-0.069	0.0650	
30 minute winter	02A	1.001	02	-16.8	0.500	-0.109	1.0398	
30 minute winter	02	1.002	03	24.4	0.413	0.035	12.6611	
30 minute winter	01	2.000	03	9.3	0.285	0.013	6.6696	
30 minute winter	03	1.003	04	20.7	0.481	0.030	24.4179	
30 minute winter	04	1.004	05	-17.1	0.366	-0.024	8.9424	
30 minute winter	05	1.005	06HB	23.9	0.496	0.034	13.2245	
30 minute winter	06HB	Hydro-Brake®	07DD	2.6				
30 minute winter	07DD	1.007	C1	2.6	0.555	0.029	0.0245	
30 minute winter	C1	1.008	C2	2.6	0.566	0.029	0.0327	34.5

Results for 30 year 60 minute summer. 300 minute analysis at 1 minute timestep. Mass balance: 99.74%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute summer	Basin	64	30.386	0.166	36.4	27.8806	0.0000	OK
60 minute summer	02A	64	30.385	0.185	36.2	0.4607	0.0000	OK
60 minute summer	02	66	30.385	0.615	34.5	2.0717	0.0000	OK
60 minute summer	01	66	30.385	0.645	14.3	0.2154	0.0000	OK
60 minute summer	03	66	30.385	0.677	44.3	2.6899	0.0000	OK
60 minute summer	04	67	30.385	0.781	31.2	2.5572	0.0000	OK
60 minute summer	05	67	30.385	0.816	36.4	3.6906	0.0000	OK
60 minute summer	06HB	67	30.385	0.865	14.7	3.9140	0.0000	SURCHARGED
60 minute summer	07DD	24	29.526	0.036	2.6	0.0403	0.0000	OK
60 minute summer	C1	24	29.490	0.035	2.6	0.0000	0.0000	OK
60 minute summer	C2	24	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute summer	Basin	1.000	02A	-36.4	-1.614	-0.138	0.1717	
60 minute summer	02A	1.001	02	-33.6	-0.547	-0.217	1.7417	
60 minute summer	02	1.002	03	-28.1	0.293	-0.040	13.9027	
60 minute summer	01	2.000	03	8.6	0.249	0.012	7.3010	
60 minute summer	03	1.003	04	-20.8	0.407	-0.030	26.1141	
60 minute summer	04	1.004	05	-13.1	0.350	-0.019	9.3320	
60 minute summer	05	1.005	06HB	14.7	0.455	0.021	13.4920	
60 minute summer	06HB	Hydro-Brake®	07DD	2.6				
60 minute summer	07DD	1.007	C1	2.6	0.554	0.029	0.0245	
60 minute summer	C1	1.008	C2	2.6	0.566	0.029	0.0328	40.1

Results for 30 year 60 minute winter. 300 minute analysis at 1 minute timestep. Mass balance: 99.75%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	Basin	63	30.387	0.167	35.2	28.0643	0.0000	OK
60 minute winter	02A	62	30.386	0.186	35.3	0.4633	0.0000	OK
60 minute winter	02	64	30.386	0.616	34.9	2.0757	0.0000	OK
60 minute winter	01	64	30.386	0.646	10.3	0.2157	0.0000	OK
60 minute winter	03	64	30.386	0.678	32.9	2.6937	0.0000	OK
60 minute winter	04	65	30.386	0.782	23.8	2.5600	0.0000	OK
60 minute winter	05	65	30.386	0.817	27.2	3.6945	0.0000	OK
60 minute winter	06HB	43	30.387	0.867	16.0	3.9211	0.0000	SURCHARGED
60 minute winter	07DD	22	29.526	0.036	2.6	0.0403	0.0000	OK
60 minute winter	C1	23	29.490	0.035	2.6	0.0000	0.0000	OK
60 minute winter	C2	23	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute winter	Basin	1.000	02A	-35.2	-1.547	-0.133	0.1730	
60 minute winter	02A	1.001	02	-32.9	-0.535	-0.213	1.7554	
60 minute winter	02	1.002	03	-26.5	0.306	-0.038	13.9253	
60 minute winter	01	2.000	03	6.2	0.245	0.009	7.3106	
60 minute winter	03	1.003	04	-18.4	0.427	-0.026	26.1459	
60 minute winter	04	1.004	05	-16.4	0.358	-0.023	9.3363	
60 minute winter	05	1.005	06HB	16.0	0.448	0.023	13.4944	
60 minute winter	06HB	Hydro-Brake®	07DD	2.6				
60 minute winter	07DD	1.007	C1	2.6	0.554	0.029	0.0245	
60 minute winter	C1	1.008	C2	2.6	0.566	0.029	0.0328	40.0

Results for 30 year 120 minute summer. 360 minute analysis at 2 minute timestep. Mass balance: 99.72%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute summer	Basin	124	30.478	0.258	44.1	46.2063	0.0000	OK
120 minute summer	02A	124	30.478	0.278	44.8	0.6907	0.0000	OK
120 minute summer	02	124	30.478	0.708	41.5	2.3852	0.0000	OK
120 minute summer	01	124	30.478	0.738	9.7	0.2464	0.0000	OK
120 minute summer	03	124	30.478	0.770	34.6	3.0585	0.0000	OK
120 minute summer	04	128	30.481	0.877	22.0	2.8710	0.0000	SURCHARGED
120 minute summer	05	124	30.478	0.909	24.8	4.1088	0.0000	SURCHARGED
120 minute summer	06HB	124	30.478	0.958	9.4	4.3324	0.0000	SURCHARGED
120 minute summer	07DD	44	29.526	0.036	2.6	0.0403	0.0000	OK
120 minute summer	C1	44	29.490	0.035	2.6	0.0000	0.0000	OK
120 minute summer	C2	44	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute summer	Basin	1.000	02A	-44.1	-1.676	-0.167	0.2951	
120 minute summer	02A	1.001	02	-41.6	-0.591	-0.269	2.7052	
120 minute summer	02	1.002	03	-32.7	0.247	-0.046	15.6187	
120 minute summer	01	2.000	03	5.9	0.206	0.008	8.1430	
120 minute summer	03	1.003	04	-19.9	0.350	-0.028	27.7171	
120 minute summer	04	1.004	05	-13.9	0.316	-0.020	9.4359	
120 minute summer	05	1.005	06HB	9.4	0.396	0.014	13.5043	
120 minute summer	06HB	Hydro-Brake®	07DD	2.6				
120 minute summer	07DD	1.007	C1	2.6	0.554	0.029	0.0245	
120 minute summer	C1	1.008	C2	2.6	0.566	0.029	0.0328	50.2

Results for 30 year 120 minute winter. 360 minute analysis at 2 minute timestep. Mass balance: 99.72%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute winter	Basin	122	30.480	0.260	36.6	46.6299	0.0000	OK
120 minute winter	02A	122	30.480	0.280	37.5	0.6958	0.0000	OK
120 minute winter	02	122	30.480	0.710	35.6	2.3919	0.0000	OK
120 minute winter	01	120	30.480	0.740	6.7	0.2470	0.0000	OK
120 minute winter	03	122	30.480	0.772	28.7	3.0665	0.0000	OK
120 minute winter	04	122	30.480	0.876	18.1	2.8664	0.0000	SURCHARGED
120 minute winter	05	122	30.479	0.910	17.1	4.1148	0.0000	SURCHARGED
120 minute winter	06HB	120	30.479	0.959	8.1	4.3403	0.0000	SURCHARGED
120 minute winter	07DD	40	29.526	0.036	2.6	0.0403	0.0000	OK
120 minute winter	C1	40	29.490	0.035	2.6	0.0000	0.0000	OK
120 minute winter	C2	40	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute winter	Basin	1.000	02A	-36.6	-1.476	-0.139	0.2978	
120 minute winter	02A	1.001	02	-34.6	-0.534	-0.223	2.7251	
120 minute winter	02	1.002	03	-27.6	0.244	-0.039	15.6491	
120 minute winter	01	2.000	03	5.1	0.188	0.007	8.1569	
120 minute winter	03	1.003	04	-17.0	0.363	-0.024	27.7390	
120 minute winter	04	1.004	05	-11.0	0.315	-0.016	9.4359	
120 minute winter	05	1.005	06HB	8.1	0.339	0.012	13.5043	
120 minute winter	06HB	Hydro-Brake®	07DD	2.6				
120 minute winter	07DD	1.007	C1	2.6	0.554	0.029	0.0245	
120 minute winter	C1	1.008	C2	2.6	0.566	0.029	0.0328	49.9

Results for 30 year 180 minute summer. 420 minute analysis at 4 minute timestep. Mass balance: 99.73%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute summer	Basin	184	30.528	0.308	39.0	57.0102	0.0000	OK
180 minute summer	02A	184	30.528	0.328	40.5	0.8151	0.0000	OK
180 minute summer	02	184	30.527	0.757	38.4	2.5519	0.0000	OK
180 minute summer	01	184	30.528	0.788	7.4	0.2633	0.0000	OK
180 minute summer	03	184	30.528	0.820	32.1	3.2600	0.0000	OK
180 minute summer	04	184	30.530	0.926	19.8	3.0318	0.0000	SURCHARGED
180 minute summer	05	192	30.527	0.958	18.9	4.3311	0.0000	SURCHARGED
180 minute summer	06HB	192	30.527	1.007	7.3	4.5562	0.0000	SURCHARGED
180 minute summer	07DD	64	29.526	0.036	2.6	0.0403	0.0000	OK
180 minute summer	C1	64	29.490	0.035	2.6	0.0000	0.0000	OK
180 minute summer	C2	64	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute summer	Basin	1.000	02A	-39.0	-1.478	-0.148	0.3592	
180 minute summer	02A	1.001	02	-37.6	-0.563	-0.243	3.1646	
180 minute summer	02	1.002	03	-29.4	0.234	-0.042	16.2458	
180 minute summer	01	2.000	03	5.6	0.197	0.008	8.4341	
180 minute summer	03	1.003	04	-18.1	0.323	-0.026	28.1080	
180 minute summer	04	1.004	05	-12.4	0.281	-0.018	9.4359	
180 minute summer	05	1.005	06HB	7.3	0.380	0.010	13.5043	
180 minute summer	06HB	Hydro-Brake®	07DD	2.6				
180 minute summer	07DD	1.007	C1	2.6	0.554	0.029	0.0245	
180 minute summer	C1	1.008	C2	2.6	0.566	0.029	0.0328	59.5

Results for 30 year 180 minute winter. 420 minute analysis at 4 minute timestep. Mass balance: 99.72%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute winter	Basin	180	30.532	0.312	30.9	57.8011	0.0000	OK
180 minute winter	02A	180	30.532	0.332	31.7	0.8238	0.0000	OK
180 minute winter	02	180	30.530	0.760	29.9	2.5618	0.0000	OK
180 minute winter	01	180	30.531	0.791	5.1	0.2643	0.0000	OK
180 minute winter	03	180	30.531	0.823	24.2	3.2708	0.0000	OK
180 minute winter	04	180	30.534	0.930	14.5	3.0440	0.0000	SURCHARGED
180 minute winter	05	180	30.531	0.962	13.0	4.3505	0.0000	SURCHARGED
180 minute winter	06HB	180	30.532	1.012	6.2	4.5769	0.0000	SURCHARGED
180 minute winter	07DD	60	29.526	0.036	2.6	0.0403	0.0000	OK
180 minute winter	C1	60	29.490	0.035	2.6	0.0000	0.0000	OK
180 minute winter	C2	60	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute winter	Basin	1.000	02A	-30.9	-1.298	-0.117	0.3636	
180 minute winter	02A	1.001	02	-29.1	-0.483	-0.188	3.1927	
180 minute winter	02	1.002	03	-22.7	0.227	-0.032	16.2691	
180 minute winter	01	2.000	03	4.3	0.185	0.006	8.4427	
180 minute winter	03	1.003	04	-13.8	0.333	-0.020	28.1108	
180 minute winter	04	1.004	05	-9.1	0.302	-0.013	9.4359	
180 minute winter	05	1.005	06HB	6.2	0.302	0.009	13.5043	
180 minute winter	06HB	Hydro-Brake®	07DD	2.6				
180 minute winter	07DD	1.007	C1	2.6	0.554	0.029	0.0245	
180 minute winter	C1	1.008	C2	2.6	0.566	0.029	0.0328	59.1

Results for 30 year 240 minute summer. 480 minute analysis at 4 minute timestep. Mass balance: 99.69%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute summer	Basin	244	30.559	0.339	37.1	63.8696	0.0000	OK
240 minute summer	02A	244	30.559	0.359	38.0	0.8909	0.0000	OK
240 minute summer	02	240	30.558	0.788	35.4	2.6537	0.0000	OK
240 minute summer	01	244	30.563	0.823	6.3	0.2749	0.0000	OK
240 minute summer	03	240	30.558	0.850	28.3	3.3792	0.0000	SURCHARGED
240 minute summer	04	244	30.559	0.955	17.9	3.1258	0.0000	SURCHARGED
240 minute summer	05	248	30.558	0.989	16.2	4.4731	0.0000	SURCHARGED
240 minute summer	06HB	248	30.558	1.038	6.3	4.6980	0.0000	SURCHARGED
240 minute summer	07DD	84	29.526	0.036	2.6	0.0403	0.0000	OK
240 minute summer	C1	84	29.490	0.035	2.6	0.0000	0.0000	OK
240 minute summer	C2	84	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute summer	Basin	1.000	02A	-37.1	-1.455	-0.141	0.3951	
240 minute summer	02A	1.001	02	-35.1	-0.532	-0.227	3.4026	
240 minute summer	02	1.002	03	-27.3	0.215	-0.039	16.4429	
240 minute summer	01	2.000	03	5.0	0.181	0.007	8.5019	
240 minute summer	03	1.003	04	-16.0	0.301	-0.023	28.1238	
240 minute summer	04	1.004	05	-10.9	0.281	-0.016	9.4359	
240 minute summer	05	1.005	06HB	6.3	0.378	0.009	13.5043	
240 minute summer	06HB	Hydro-Brake®	07DD	2.6				
240 minute summer	07DD	1.007	C1	2.6	0.554	0.029	0.0245	
240 minute summer	C1	1.008	C2	2.6	0.566	0.029	0.0328	68.9

Results for 30 year 240 minute winter. 480 minute analysis at 4 minute timestep. Mass balance: 99.62%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute winter	Basin	236	30.564	0.344	25.9	64.9736	0.0000	OK
240 minute winter	02A	240	30.564	0.364	26.6	0.9034	0.0000	OK
240 minute winter	02	240	30.566	0.796	25.0	2.6806	0.0000	OK
240 minute winter	01	240	30.569	0.829	4.2	0.2770	0.0000	SURCHARGED
240 minute winter	03	232	30.563	0.855	20.1	3.3971	0.0000	SURCHARGED
240 minute winter	04	232	30.565	0.961	12.0	3.1466	0.0000	SURCHARGED
240 minute winter	05	236	30.563	0.994	10.7	4.4944	0.0000	SURCHARGED
240 minute winter	06HB	236	30.563	1.043	5.5	4.7200	0.0000	SURCHARGED
240 minute winter	07DD	76	29.526	0.036	2.6	0.0403	0.0000	OK
240 minute winter	C1	76	29.490	0.035	2.6	0.0000	0.0000	OK
240 minute winter	C2	76	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute winter	Basin	1.000	02A	-25.9	-1.190	-0.098	0.4006	
240 minute winter	02A	1.001	02	-24.3	-0.444	-0.157	3.4461	
240 minute winter	02	1.002	03	-18.7	0.216	-0.027	16.4835	
240 minute winter	01	2.000	03	4.2	0.143	0.006	8.5041	
240 minute winter	03	1.003	04	-10.9	0.308	-0.016	28.1238	
240 minute winter	04	1.004	05	-7.2	0.279	-0.010	9.4359	
240 minute winter	05	1.005	06HB	5.5	0.273	0.008	13.5043	
240 minute winter	06HB	Hydro-Brake®	07DD	2.6				
240 minute winter	07DD	1.007	C1	2.6	0.554	0.029	0.0245	
240 minute winter	C1	1.008	C2	2.6	0.566	0.029	0.0328	68.2

Results for 30 year 360 minute summer. 600 minute analysis at 8 minute timestep. Mass balance: 99.24%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute summer	Basin	360	30.584	0.364	29.7	69.7762	0.0000	OK
360 minute summer	02A	360	30.584	0.384	28.1	0.9553	0.0000	OK
360 minute summer	02	360	30.586	0.816	27.1	2.7476	0.0000	OK
360 minute summer	01	328	30.588	0.848	4.9	0.2833	0.0000	SURCHARGED
360 minute summer	03	360	30.585	0.877	22.3	3.4834	0.0000	SURCHARGED
360 minute summer	04	360	30.587	0.983	13.2	3.2170	0.0000	SURCHARGED
360 minute summer	05	360	30.585	1.016	12.5	4.5939	0.0000	SURCHARGED
360 minute summer	06HB	352	30.582	1.062	5.1	4.8067	0.0000	SURCHARGED
360 minute summer	07DD	128	29.526	0.036	2.6	0.0403	0.0000	OK
360 minute summer	C1	128	29.490	0.035	2.6	0.0000	0.0000	OK
360 minute summer	C2	128	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute summer	Basin	1.000	02A	-29.7	-1.306	-0.113	0.4224	
360 minute summer	02A	1.001	02	-25.7	-0.410	-0.166	3.5723	
360 minute summer	02	1.002	03	-20.5	0.194	-0.029	16.5584	
360 minute summer	01	2.000	03	5.7	0.116	0.008	8.5061	
360 minute summer	03	1.003	04	-12.7	0.276	-0.018	28.1238	
360 minute summer	04	1.004	05	-8.2	0.239	-0.012	9.4359	
360 minute summer	05	1.005	06HB	5.1	0.229	0.007	13.5043	
360 minute summer	06HB	Hydro-Brake®	07DD	2.6				
360 minute summer	07DD	1.007	C1	2.6	0.554	0.029	0.0245	
360 minute summer	C1	1.008	C2	2.6	0.566	0.029	0.0328	86.4

Results for 30 year 360 minute winter. 600 minute analysis at 8 minute timestep. Mass balance: 99.47%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute winter	Basin	352	30.596	0.376	17.5	72.5023	0.0000	OK
360 minute winter	02A	352	30.596	0.396	18.0	0.9833	0.0000	OK
360 minute winter	02	344	30.596	0.826	16.6	2.7833	0.0000	SURCHARGED
360 minute winter	01	352	30.598	0.858	3.2	0.2866	0.0000	SURCHARGED
360 minute winter	03	344	30.597	0.889	14.2	3.5321	0.0000	SURCHARGED
360 minute winter	04	352	30.596	0.992	8.5	3.2489	0.0000	SURCHARGED
360 minute winter	05	352	30.593	1.024	8.1	4.6326	0.0000	SURCHARGED
360 minute winter	06HB	352	30.596	1.076	4.3	4.8661	0.0000	SURCHARGED
360 minute winter	07DD	112	29.526	0.036	2.6	0.0403	0.0000	OK
360 minute winter	C1	112	29.490	0.035	2.6	0.0000	0.0000	OK
360 minute winter	C2	112	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute winter	Basin	1.000	02A	-17.5	-1.034	-0.066	0.4337	
360 minute winter	02A	1.001	02	-16.2	-0.365	-0.104	3.6221	
360 minute winter	02	1.002	03	-11.6	0.197	-0.016	16.5709	
360 minute winter	01	2.000	03	4.0	0.117	0.006	8.5061	
360 minute winter	03	1.003	04	-7.2	0.289	-0.010	28.1238	
360 minute winter	04	1.004	05	5.4	0.262	0.008	9.4359	
360 minute winter	05	1.005	06HB	4.3	0.253	0.006	13.5043	
360 minute winter	06HB	Hydro-Brake®	07DD	2.6				
360 minute winter	07DD	1.007	C1	2.6	0.554	0.029	0.0245	
360 minute winter	C1	1.008	C2	2.6	0.566	0.029	0.0328	85.7

Results for 30 year 480 minute summer. 720 minute analysis at 8 minute timestep. Mass balance: 99.42%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute summer	Basin	480	30.593	0.373	23.6	71.9305	0.0000	OK
480 minute summer	02A	480	30.594	0.394	24.2	0.9779	0.0000	OK
480 minute summer	02	464	30.595	0.825	23.1	2.7789	0.0000	OK
480 minute summer	01	464	30.603	0.863	3.9	0.2884	0.0000	SURCHARGED
480 minute summer	03	480	30.593	0.885	19.0	3.5160	0.0000	SURCHARGED
480 minute summer	04	472	30.595	0.991	11.3	3.2458	0.0000	SURCHARGED
480 minute summer	05	472	30.593	1.024	9.9	4.6289	0.0000	SURCHARGED
480 minute summer	06HB	472	30.594	1.074	4.5	4.8597	0.0000	SURCHARGED
480 minute summer	07DD	176	29.526	0.036	2.6	0.0403	0.0000	OK
480 minute summer	C1	176	29.490	0.035	2.6	0.0000	0.0000	OK
480 minute summer	C2	176	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute summer	Basin	1.000	02A	-23.6	-1.089	-0.090	0.4314	
480 minute summer	02A	1.001	02	-22.0	-0.432	-0.142	3.6135	
480 minute summer	02	1.002	03	-17.0	0.193	-0.024	16.5701	
480 minute summer	01	2.000	03	4.1	0.110	0.006	8.5061	
480 minute summer	03	1.003	04	-10.3	0.263	-0.015	28.1238	
480 minute summer	04	1.004	05	-6.7	0.250	-0.010	9.4359	
480 minute summer	05	1.005	06HB	4.5	0.233	0.006	13.5043	
480 minute summer	06HB	Hydro-Brake®	07DD	2.6				
480 minute summer	07DD	1.007	C1	2.6	0.554	0.029	0.0245	
480 minute summer	C1	1.008	C2	2.6	0.566	0.029	0.0328	103.9

Results for 30 year 480 minute winter. 720 minute analysis at 8 minute timestep. Mass balance: 99.58%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute winter	Basin	464	30.606	0.386	13.5	74.9552	0.0000	OK
480 minute winter	02A	464	30.606	0.406	14.0	1.0098	0.0000	OK
480 minute winter	02	464	30.607	0.837	13.7	2.8203	0.0000	SURCHARGED
480 minute winter	01	448	30.609	0.869	2.6	0.2901	0.0000	SURCHARGED
480 minute winter	03	464	30.607	0.899	11.6	3.5735	0.0000	SURCHARGED
480 minute winter	04	464	30.606	1.002	6.7	3.2822	0.0000	SURCHARGED
480 minute winter	05	456	30.604	1.035	6.6	4.6807	0.0000	SURCHARGED
480 minute winter	06HB	456	30.605	1.085	3.9	4.9098	0.0000	SURCHARGED
480 minute winter	07DD	160	29.526	0.036	2.6	0.0403	0.0000	OK
480 minute winter	C1	160	29.490	0.035	2.6	0.0000	0.0000	OK
480 minute winter	C2	160	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute winter	Basin	1.000	02A	-13.5	-0.959	-0.051	0.4432	
480 minute winter	02A	1.001	02	-12.5	-0.315	-0.081	3.6595	
480 minute winter	02	1.002	03	-9.7	0.193	-0.014	16.5767	
480 minute winter	01	2.000	03	2.3	0.115	0.003	8.5061	
480 minute winter	03	1.003	04	-5.8	0.271	-0.008	28.1238	
480 minute winter	04	1.004	05	4.0	0.242	0.006	9.4359	
480 minute winter	05	1.005	06HB	3.9	0.253	0.006	13.5043	
480 minute winter	06HB	Hydro-Brake®	07DD	2.6				
480 minute winter	07DD	1.007	C1	2.6	0.554	0.029	0.0245	
480 minute winter	C1	1.008	C2	2.6	0.566	0.029	0.0328	103.1

Results for 30 year 600 minute summer. 840 minute analysis at 15 minute timestep. Mass balance: 99.38%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute summer	Basin	585	30.589	0.369	17.7	70.9490	0.0000	OK
600 minute summer	02A	570	30.589	0.389	18.3	0.9677	0.0000	OK
600 minute summer	02	570	30.590	0.820	18.7	2.7634	0.0000	OK
600 minute summer	01	570	30.597	0.857	3.2	0.2861	0.0000	SURCHARGED
600 minute summer	03	540	30.591	0.883	15.0	3.5083	0.0000	SURCHARGED
600 minute summer	04	555	30.590	0.986	8.7	3.2282	0.0000	SURCHARGED
600 minute summer	05	525	30.589	1.020	8.2	4.6124	0.0000	SURCHARGED
600 minute summer	06HB	585	30.590	1.070	4.4	4.8392	0.0000	SURCHARGED
600 minute summer	07DD	225	29.526	0.036	2.6	0.0403	0.0000	OK
600 minute summer	C1	225	29.490	0.035	2.6	0.0000	0.0000	OK
600 minute summer	C2	225	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute summer	Basin	1.000	02A	-17.7	-0.883	-0.067	0.4274	
600 minute summer	02A	1.001	02	-16.5	0.329	-0.107	3.5972	
600 minute summer	02	1.002	03	-13.7	0.191	-0.019	16.5674	
600 minute summer	01	2.000	03	6.0	0.106	0.008	8.5061	
600 minute summer	03	1.003	04	-7.6	0.247	-0.011	28.1238	
600 minute summer	04	1.004	05	-4.9	0.250	-0.007	9.4359	
600 minute summer	05	1.005	06HB	4.4	0.163	0.006	13.5043	
600 minute summer	06HB	Hydro-Brake®	07DD	2.6				
600 minute summer	07DD	1.007	C1	2.6	0.554	0.029	0.0245	
600 minute summer	C1	1.008	C2	2.6	0.566	0.029	0.0328	120.1

Results for 30 year 600 minute winter. 840 minute analysis at 15 minute timestep. Mass balance: 99.58%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute winter	Basin	570	30.606	0.386	11.4	74.8223	0.0000	OK
600 minute winter	02A	570	30.606	0.406	11.8	1.0078	0.0000	OK
600 minute winter	02	570	30.606	0.836	11.3	2.8160	0.0000	SURCHARGED
600 minute winter	01	570	30.609	0.869	3.2	0.2904	0.0000	SURCHARGED
600 minute winter	03	555	30.605	0.897	9.5	3.5646	0.0000	SURCHARGED
600 minute winter	04	570	30.609	1.005	5.4	3.2912	0.0000	SURCHARGED
600 minute winter	05	585	30.607	1.038	5.9	4.6956	0.0000	SURCHARGED
600 minute winter	06HB	585	30.607	1.087	4.6	4.9194	0.0000	SURCHARGED
600 minute winter	07DD	585	29.526	0.036	2.6	0.0403	0.0000	OK
600 minute winter	C1	210	29.490	0.035	2.6	0.0000	0.0000	OK
600 minute winter	C2	210	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute winter	Basin	1.000	02A	-11.4	-0.894	-0.043	0.4426	
600 minute winter	02A	1.001	02	-10.6	0.298	-0.068	3.6566	
600 minute winter	02	1.002	03	-7.9	0.191	-0.011	16.5767	
600 minute winter	01	2.000	03	6.1	0.106	0.009	8.5061	
600 minute winter	03	1.003	04	5.1	0.251	0.007	28.1238	
600 minute winter	04	1.004	05	5.8	0.224	0.008	9.4359	
600 minute winter	05	1.005	06HB	4.6	0.184	0.007	13.5043	
600 minute winter	06HB	Hydro-Brake®	07DD	2.6				
600 minute winter	07DD	1.007	C1	2.6	0.554	0.029	0.0245	
600 minute winter	C1	1.008	C2	2.6	0.566	0.029	0.0328	119.1

Results for 30 year 720 minute summer. 960 minute analysis at 15 minute timestep. Mass balance: 99.46%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute summer	Basin	630	30.588	0.368	15.6	70.7639	0.0000	OK
720 minute summer	02A	615	30.589	0.389	16.0	0.9660	0.0000	OK
720 minute summer	02	645	30.592	0.822	15.9	2.7688	0.0000	OK
720 minute summer	01	630	30.593	0.853	2.9	0.2850	0.0000	SURCHARGED
720 minute summer	03	615	30.591	0.883	12.6	3.5071	0.0000	SURCHARGED
720 minute summer	04	660	30.590	0.986	7.2	3.2272	0.0000	SURCHARGED
720 minute summer	05	630	30.591	1.022	7.3	4.6193	0.0000	SURCHARGED
720 minute summer	06HB	600	30.591	1.071	4.5	4.8438	0.0000	SURCHARGED
720 minute summer	07DD	285	29.526	0.036	2.6	0.0403	0.0000	OK
720 minute summer	C1	285	29.490	0.035	2.6	0.0000	0.0000	OK
720 minute summer	C2	285	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute summer	Basin	1.000	02A	-15.6	-0.926	-0.059	0.4267	
720 minute summer	02A	1.001	02	-14.4	0.321	-0.093	3.5963	
720 minute summer	02	1.002	03	-11.4	0.184	-0.016	16.5684	
720 minute summer	01	2.000	03	4.8	0.111	0.007	8.5061	
720 minute summer	03	1.003	04	-5.9	0.246	-0.008	28.1238	
720 minute summer	04	1.004	05	5.6	0.229	0.008	9.4359	
720 minute summer	05	1.005	06HB	4.5	0.160	0.006	13.5043	
720 minute summer	06HB	Hydro-Brake®	07DD	2.6				
720 minute summer	07DD	1.007	C1	2.6	0.554	0.029	0.0245	
720 minute summer	C1	1.008	C2	2.6	0.566	0.029	0.0328	136.5

Results for 30 year 720 minute winter. 960 minute analysis at 15 minute timestep. Mass balance: 99.52%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute winter	Basin	675	30.596	0.376	9.9	72.5204	0.0000	OK
720 minute winter	02A	675	30.596	0.396	10.1	0.9842	0.0000	OK
720 minute winter	02	645	30.597	0.827	9.5	2.7855	0.0000	SURCHARGED
720 minute winter	01	645	30.597	0.857	2.0	0.2863	0.0000	SURCHARGED
720 minute winter	03	675	30.596	0.888	7.7	3.5294	0.0000	SURCHARGED
720 minute winter	04	645	30.596	0.992	5.1	3.2479	0.0000	SURCHARGED
720 minute winter	05	660	30.595	1.026	5.3	4.6384	0.0000	SURCHARGED
720 minute winter	06HB	660	30.596	1.076	3.7	4.8659	0.0000	SURCHARGED
720 minute winter	07DD	255	29.526	0.036	2.6	0.0403	0.0000	OK
720 minute winter	C1	255	29.490	0.035	2.6	0.0000	0.0000	OK
720 minute winter	C2	255	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute winter	Basin	1.000	02A	-9.9	-0.822	-0.037	0.4340	
720 minute winter	02A	1.001	02	-9.0	0.292	-0.058	3.6241	
720 minute winter	02	1.002	03	-6.5	0.191	-0.009	16.5714	
720 minute winter	01	2.000	03	3.9	0.106	0.006	8.5061	
720 minute winter	03	1.003	04	5.1	0.247	0.007	28.1238	
720 minute winter	04	1.004	05	5.1	0.236	0.007	9.4359	
720 minute winter	05	1.005	06HB	3.7	0.178	0.005	13.5043	
720 minute winter	06HB	Hydro-Brake®	07DD	2.6				
720 minute winter	07DD	1.007	C1	2.6	0.554	0.029	0.0245	
720 minute winter	C1	1.008	C2	2.6	0.566	0.029	0.0328	135.6

Results for 30 year 960 minute summer. 1200 minute analysis at 15 minute timestep. Mass balance: 98.63%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute summer	Basin	720	30.577	0.357	12.5	68.1135	0.0000	OK
960 minute summer	02A	720	30.577	0.377	12.9	0.9376	0.0000	OK
960 minute summer	02	720	30.578	0.808	12.1	2.7234	0.0000	OK
960 minute summer	01	675	30.585	0.845	2.4	0.2822	0.0000	SURCHARGED
960 minute summer	03	720	30.577	0.869	10.5	3.4553	0.0000	SURCHARGED
960 minute summer	04	780	30.577	0.973	6.0	3.1841	0.0000	SURCHARGED
960 minute summer	05	720	30.576	1.007	6.6	4.5517	0.0000	SURCHARGED
960 minute summer	06HB	705	30.576	1.056	3.9	4.7790	0.0000	SURCHARGED
960 minute summer	07DD	390	29.526	0.036	2.6	0.0403	0.0000	OK
960 minute summer	C1	390	29.490	0.035	2.6	0.0000	0.0000	OK
960 minute summer	C2	390	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute summer	Basin	1.000	02A	-12.5	-0.909	-0.048	0.4153	
960 minute summer	02A	1.001	02	-11.5	0.292	-0.074	3.5340	
960 minute summer	02	1.002	03	-8.4	0.184	-0.012	16.5347	
960 minute summer	01	2.000	03	5.7	0.111	0.008	8.5061	
960 minute summer	03	1.003	04	6.0	0.246	0.009	28.1238	
960 minute summer	04	1.004	05	6.5	0.226	0.009	9.4359	
960 minute summer	05	1.005	06HB	3.9	0.162	0.006	13.5043	
960 minute summer	06HB	Hydro-Brake®	07DD	2.6				
960 minute summer	07DD	1.007	C1	2.6	0.554	0.029	0.0245	
960 minute summer	C1	1.008	C2	2.6	0.566	0.029	0.0328	166.4

Results for 30 year 960 minute winter. 1200 minute analysis at 15 minute timestep. Mass balance: 98.73%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute winter	Basin	765	30.583	0.362	8.1	69.3622	0.0000	OK
960 minute winter	02A	765	30.582	0.382	8.2	0.9501	0.0000	OK
960 minute winter	02	735	30.582	0.812	7.8	2.7370	0.0000	OK
960 minute winter	01	810	30.594	0.854	3.1	0.2852	0.0000	SURCHARGED
960 minute winter	03	795	30.582	0.874	6.1	3.4737	0.0000	SURCHARGED
960 minute winter	04	750	30.584	0.980	5.2	3.2074	0.0000	SURCHARGED
960 minute winter	05	765	30.582	1.013	6.7	4.5821	0.0000	SURCHARGED
960 minute winter	06HB	750	30.584	1.064	4.9	4.8128	0.0000	SURCHARGED
960 minute winter	07DD	345	29.526	0.036	2.6	0.0403	0.0000	OK
960 minute winter	C1	345	29.490	0.035	2.6	0.0000	0.0000	OK
960 minute winter	C2	345	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute winter	Basin	1.000	02A	-8.1	-0.704	-0.031	0.4206	
960 minute winter	02A	1.001	02	-7.3	0.292	-0.047	3.5597	
960 minute winter	02	1.002	03	-5.3	0.191	-0.007	16.5485	
960 minute winter	01	2.000	03	-2.2	0.111	-0.003	8.5061	
960 minute winter	03	1.003	04	5.2	0.246	0.007	28.1238	
960 minute winter	04	1.004	05	6.6	0.224	0.009	9.4359	
960 minute winter	05	1.005	06HB	4.9	0.200	0.007	13.5043	
960 minute winter	06HB	Hydro-Brake®	07DD	2.6				
960 minute winter	07DD	1.007	C1	2.6	0.554	0.029	0.0245	
960 minute winter	C1	1.008	C2	2.6	0.566	0.029	0.0328	166.6

Results for 30 year 1440 minute summer. 1680 minute analysis at 30 minute timestep. Mass balance: 99.32%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute summer	Basin	990	30.564	0.344	8.5	65.0555	0.0000	OK
1440 minute summer	02A	990	30.564	0.364	8.8	0.9042	0.0000	OK
1440 minute summer	02	990	30.564	0.794	8.4	2.6739	0.0000	OK
1440 minute summer	01	990	30.570	0.830	1.7	0.2773	0.0000	SURCHARGED
1440 minute summer	03	990	30.563	0.855	6.7	3.3966	0.0000	SURCHARGED
1440 minute summer	04	1020	30.564	0.960	4.2	3.1427	0.0000	SURCHARGED
1440 minute summer	05	990	30.563	0.994	5.1	4.4934	0.0000	SURCHARGED
1440 minute summer	06HB	1020	30.564	1.044	4.2	4.7239	0.0000	SURCHARGED
1440 minute summer	07DD	600	29.526	0.036	2.6	0.0403	0.0000	OK
1440 minute summer	C1	600	29.490	0.035	2.6	0.0000	0.0000	OK
1440 minute summer	C2	600	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute summer	Basin	1.000	02A	-8.5	-0.612	-0.032	0.4010	
1440 minute summer	02A	1.001	02	-7.8	0.292	-0.050	3.4444	
1440 minute summer	02	1.002	03	-5.7	0.190	-0.008	16.4741	
1440 minute summer	01	2.000	03	1.5	0.106	0.002	8.5049	
1440 minute summer	03	1.003	04	4.2	0.244	0.006	28.1238	
1440 minute summer	04	1.004	05	4.6	0.222	0.007	9.4359	
1440 minute summer	05	1.005	06HB	4.2	0.123	0.006	13.5043	
1440 minute summer	06HB	Hydro-Brake®	07DD	2.6				
1440 minute summer	07DD	1.007	C1	2.6	0.554	0.029	0.0245	
1440 minute summer	C1	1.008	C2	2.6	0.566	0.029	0.0328	220.1

Results for 30 year 1440 minute winter. 1680 minute analysis at 30 minute timestep. Mass balance: 99.87%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute winter	Basin	1080	30.553	0.333	5.2	62.5400	0.0000	OK
1440 minute winter	02A	1080	30.552	0.352	5.4	0.8759	0.0000	OK
1440 minute winter	02	1110	30.555	0.785	5.1	2.6436	0.0000	OK
1440 minute winter	01	1110	30.555	0.815	1.2	0.2721	0.0000	OK
1440 minute winter	03	1110	30.554	0.846	3.9	3.3606	0.0000	SURCHARGED
1440 minute winter	04	1080	30.554	0.950	4.6	3.1095	0.0000	SURCHARGED
1440 minute winter	05	1050	30.551	0.982	5.0	4.4416	0.0000	SURCHARGED
1440 minute winter	06HB	1080	30.552	1.032	4.9	4.6697	0.0000	SURCHARGED
1440 minute winter	07DD	570	29.526	0.036	2.6	0.0402	0.0000	OK
1440 minute winter	C1	570	29.490	0.035	2.6	0.0000	0.0000	OK
1440 minute winter	C2	570	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute winter	Basin	1.000	02A	-5.2	-0.664	-0.020	0.3884	
1440 minute winter	02A	1.001	02	-4.7	0.292	-0.030	3.3690	
1440 minute winter	02	1.002	03	-3.3	0.190	-0.005	16.4265	
1440 minute winter	01	2.000	03	2.3	0.106	0.003	8.4958	
1440 minute winter	03	1.003	04	4.6	0.243	0.007	28.1238	
1440 minute winter	04	1.004	05	4.5	0.222	0.006	9.4359	
1440 minute winter	05	1.005	06HB	4.9	0.135	0.007	13.5043	
1440 minute winter	06HB	Hydro-Brake®	07DD	2.6				
1440 minute winter	07DD	1.007	C1	2.6	0.554	0.029	0.0245	
1440 minute winter	C1	1.008	C2	2.6	0.566	0.029	0.0327	220.8

Results for 30 year 2160 minute summer. 2400 minute analysis at 60 minute timestep. Mass balance: 99.92%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2160 minute summer	Basin	1440	30.526	0.306	5.1	56.5727	0.0000	OK
2160 minute summer	02A	1440	30.526	0.326	5.4	0.8101	0.0000	OK
2160 minute summer	02	1500	30.525	0.755	5.2	2.5447	0.0000	OK
2160 minute summer	01	1500	30.526	0.786	1.3	0.2625	0.0000	OK
2160 minute summer	03	1500	30.526	0.818	4.2	3.2496	0.0000	OK
2160 minute summer	04	1440	30.526	0.922	4.0	3.0185	0.0000	SURCHARGED
2160 minute summer	05	1440	30.526	0.957	5.5	4.3269	0.0000	SURCHARGED
2160 minute summer	06HB	1440	30.526	1.006	3.7	4.5513	0.0000	SURCHARGED
2160 minute summer	07DD	960	29.526	0.036	2.6	0.0402	0.0000	OK
2160 minute summer	C1	960	29.490	0.035	2.6	0.0000	0.0000	OK
2160 minute summer	C2	960	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2160 minute summer	Basin	1.000	02A	-5.1	-0.205	-0.020	0.3568	
2160 minute summer	02A	1.001	02	-4.7	0.292	-0.030	3.1457	
2160 minute summer	02	1.002	03	3.2	0.179	0.005	16.2290	
2160 minute summer	01	2.000	03	1.1	0.099	0.002	8.4280	
2160 minute summer	03	1.003	04	3.8	0.238	0.005	28.1051	
2160 minute summer	04	1.004	05	4.7	0.218	0.007	9.4359	
2160 minute summer	05	1.005	06HB	3.7	0.119	0.005	13.5043	
2160 minute summer	06HB	Hydro-Brake®	07DD	2.6				
2160 minute summer	07DD	1.007	C1	2.6	0.554	0.029	0.0245	
2160 minute summer	C1	1.008	C2	2.6	0.566	0.029	0.0327	289.7

Results for 30 year 2160 minute winter. 2400 minute analysis at 60 minute timestep. Mass balance: 99.92%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2160 minute winter	Basin	1560	30.503	0.283	3.6	51.5830	0.0000	OK
2160 minute winter	02A	1560	30.503	0.303	3.7	0.7536	0.0000	OK
2160 minute winter	02	1560	30.503	0.733	3.5	2.4691	0.0000	OK
2160 minute winter	01	1560	30.503	0.763	0.9	0.2547	0.0000	OK
2160 minute winter	03	1560	30.503	0.795	3.0	3.1588	0.0000	OK
2160 minute winter	04	1560	30.507	0.903	3.7	2.9553	0.0000	SURCHARGED
2160 minute winter	05	1560	30.503	0.934	3.8	4.2219	0.0000	SURCHARGED
2160 minute winter	06HB	1560	30.504	0.984	5.1	4.4494	0.0000	SURCHARGED
2160 minute winter	07DD	900	29.526	0.036	2.6	0.0402	0.0000	OK
2160 minute winter	C1	900	29.490	0.035	2.6	0.0000	0.0000	OK
2160 minute winter	C2	900	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2160 minute winter	Basin	1.000	02A	-3.6	-0.258	-0.014	0.3281	
2160 minute winter	02A	1.001	02	-3.2	0.292	-0.021	2.9454	
2160 minute winter	02	1.002	03	2.2	0.172	0.003	15.9735	
2160 minute winter	01	2.000	03	0.9	0.103	0.001	8.3107	
2160 minute winter	03	1.003	04	3.7	0.226	0.005	27.9601	
2160 minute winter	04	1.004	05	3.0	0.218	0.004	9.4359	
2160 minute winter	05	1.005	06HB	5.1	0.120	0.007	13.5043	
2160 minute winter	06HB	Hydro-Brake®	07DD	2.6				
2160 minute winter	07DD	1.007	C1	2.6	0.554	0.029	0.0245	
2160 minute winter	C1	1.008	C2	2.6	0.566	0.029	0.0327	295.0

Results for 100 year +45% CC 15 minute summer. 255 minute analysis at 1 minute timestep. Mass balance: 99.75%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	Basin	20	30.425	0.205	125.2	35.4317	0.0000	OK
15 minute summer	02A	13	30.433	0.233	139.0	0.5779	0.0000	OK
15 minute summer	02	13	30.585	0.815	136.7	2.7461	0.0000	OK
15 minute summer	01	13	30.553	0.813	36.2	0.2716	0.0000	OK
15 minute summer	03	13	30.548	0.840	118.4	3.3362	0.0000	SURCHARGED
15 minute summer	04	13	30.547	0.943	89.9	3.0884	0.0000	SURCHARGED
15 minute summer	05	13	30.542	0.973	96.6	4.3996	0.0000	SURCHARGED
15 minute summer	06HB	13	30.529	1.009	32.7	4.5653	0.0000	SURCHARGED
15 minute summer	07DD	7	29.526	0.036	2.6	0.0402	0.0000	OK
15 minute summer	C1	7	29.490	0.035	2.6	0.0000	0.0000	OK
15 minute summer	C2	8	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	Basin	1.000	02A	-125.2	-2.883	-0.475	0.2232	
15 minute summer	02A	1.001	02	-129.0	-1.015	-0.833	2.8430	
15 minute summer	02	1.002	03	-109.2	0.510	-0.155	16.5580	
15 minute summer	01	2.000	03	27.9	0.351	0.039	8.4930	
15 minute summer	03	1.003	04	-57.4	0.582	-0.082	28.1238	
15 minute summer	04	1.004	05	-48.8	0.398	-0.070	9.4359	
15 minute summer	05	1.005	06HB	32.7	0.601	0.047	13.5043	
15 minute summer	06HB	Hydro-Brake®	07DD	2.6				
15 minute summer	07DD	1.007	C1	2.6	0.601	0.028	0.0244	
15 minute summer	C1	1.008	C2	2.6	0.566	0.028	0.0326	34.8

Results for 100 year +45% CC 15 minute winter. 255 minute analysis at 1 minute timestep. Mass balance: 99.70%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	Basin	20	30.425	0.205	121.6	35.5115	0.0000	OK
15 minute winter	02A	20	30.424	0.224	124.8	0.5560	0.0000	OK
15 minute winter	02	13	30.557	0.787	158.6	2.6498	0.0000	OK
15 minute winter	01	14	30.566	0.826	34.0	0.2759	0.0000	SURCHARGED
15 minute winter	03	14	30.567	0.859	119.8	3.4120	0.0000	SURCHARGED
15 minute winter	04	14	30.545	0.941	93.4	3.0811	0.0000	SURCHARGED
15 minute winter	05	14	30.532	0.963	97.5	4.3531	0.0000	SURCHARGED
15 minute winter	06HB	14	30.526	1.006	36.4	4.5533	0.0000	SURCHARGED
15 minute winter	07DD	7	29.526	0.036	2.6	0.0402	0.0000	OK
15 minute winter	C1	7	29.490	0.035	2.6	0.0000	0.0000	OK
15 minute winter	C2	7	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute winter	Basin	1.000	02A	-121.6	-2.661	-0.461	0.2236	
15 minute winter	02A	1.001	02	-117.1	-0.992	-0.757	2.7027	
15 minute winter	02	1.002	03	-128.1	0.525	-0.182	16.4371	
15 minute winter	01	2.000	03	35.5	0.357	0.050	8.5031	
15 minute winter	03	1.003	04	-82.5	0.604	-0.118	28.1238	
15 minute winter	04	1.004	05	-55.4	0.382	-0.079	9.4359	
15 minute winter	05	1.005	06HB	36.4	0.608	0.052	13.5043	
15 minute winter	06HB	Hydro-Brake®	07DD	2.6				
15 minute winter	07DD	1.007	C1	2.6	0.613	0.029	0.0245	
15 minute winter	C1	1.008	C2	2.6	0.565	0.028	0.0327	34.8

Results for 100 year +45% CC 30 minute summer. 270 minute analysis at 1 minute timestep. Mass balance: 99.47%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	Basin	35	30.595	0.375	229.1	72.3991	0.0000	OK
30 minute summer	02A	35	30.595	0.395	225.7	0.9821	0.0000	OK
30 minute summer	02	20	30.682	0.912	217.2	3.0730	0.0000	SURCHARGED
30 minute summer	01	20	30.670	0.930	34.3	0.3108	0.0000	SURCHARGED
30 minute summer	03	20	30.691	0.983	162.6	3.9057	0.0000	SURCHARGED
30 minute summer	04	19	30.697	1.093	107.5	3.5795	0.0000	SURCHARGED
30 minute summer	05	19	30.700	1.131	87.6	5.1165	0.0000	SURCHARGED
30 minute summer	06HB	20	30.704	1.184	29.6	5.3559	0.0000	SURCHARGED
30 minute summer	07DD	20	29.526	0.036	2.7	0.0411	0.0000	OK
30 minute summer	C1	20	29.491	0.036	2.7	0.0000	0.0000	OK
30 minute summer	C2	20	29.442	0.035	2.7	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)
30 minute summer	Basin	1.000	02A	-229.1	-3.500	-0.869	0.4332	
30 minute summer	02A	1.001	02	-211.5	-1.432	-1.366	3.6199	
30 minute summer	02	1.002	03	-177.9	0.390	-0.252	16.5767	
30 minute summer	01	2.000	03	45.1	0.322	0.064	8.5061	
30 minute summer	03	1.003	04	-98.9	0.520	-0.141	28.1238	
30 minute summer	04	1.004	05	-77.7	0.398	-0.111	9.4359	
30 minute summer	05	1.005	06HB	29.6	0.561	0.043	13.5043	
30 minute summer	06HB	Hydro-Brake®	07DD	2.7				
30 minute summer	07DD	1.007	C1	2.7	0.561	0.030	0.0252	
30 minute summer	C1	1.008	C2	2.7	0.573	0.030	0.0337	39.7

Results for 100 year +45% CC 30 minute winter. 270 minute analysis at 1 minute timestep. Mass balance: 99.45%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute winter	Basin	34	30.596	0.376	200.8	72.6398	0.0000	OK
30 minute winter	02A	34	30.596	0.396	200.4	0.9849	0.0000	OK
30 minute winter	02	20	30.645	0.875	183.9	2.9484	0.0000	SURCHARGED
30 minute winter	01	20	30.657	0.917	27.7	0.3062	0.0000	SURCHARGED
30 minute winter	03	20	30.656	0.948	142.8	3.7673	0.0000	SURCHARGED
30 minute winter	04	20	30.640	1.036	79.4	3.3909	0.0000	SURCHARGED
30 minute winter	05	20	30.647	1.078	70.7	4.8751	0.0000	SURCHARGED
30 minute winter	06HB	20	30.653	1.133	26.6	5.1262	0.0000	SURCHARGED
30 minute winter	07DD	20	29.526	0.036	2.6	0.0406	0.0000	OK
30 minute winter	C1	20	29.491	0.036	2.6	0.0000	0.0000	OK
30 minute winter	C2	20	29.442	0.035	2.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute winter	Basin	1.000	02A	-200.8	-3.055	-0.762	0.4343	
30 minute winter	02A	1.001	02	-187.0	-1.289	-1.208	3.6246	
30 minute winter	02	1.002	03	-147.0	0.409	-0.209	16.5767	
30 minute winter	01	2.000	03	29.4	0.320	0.042	8.5061	
30 minute winter	03	1.003	04	-81.9	0.534	-0.117	28.1238	
30 minute winter	04	1.004	05	-55.6	0.392	-0.079	9.4359	
30 minute winter	05	1.005	06HB	26.6	0.528	0.038	13.5043	
30 minute winter	06HB	Hydro-Brake®	07DD	2.6				
30 minute winter	07DD	1.007	C1	2.6	0.559	0.029	0.0248	
30 minute winter	C1	1.008	C2	2.6	0.569	0.029	0.0332	39.7

Results for 100 year +45% CC 60 minute summer. 300 minute analysis at 1 minute timestep. Mass balance: 99.74%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute summer	Basin	65	30.784	0.564	214.3	121.2298	0.0000	SURCHARGED
60 minute summer	02A	63	30.786	0.586	215.4	1.4552	0.0000	SURCHARGED
60 minute summer	02	63	30.784	1.014	200.8	3.4163	0.0000	SURCHARGED
60 minute summer	01	67	30.788	1.048	27.1	0.3501	0.0000	SURCHARGED
60 minute summer	03	63	30.784	1.076	159.0	4.2758	0.0000	SURCHARGED
60 minute summer	04	66	30.784	1.180	96.2	3.8643	0.0000	SURCHARGED
60 minute summer	05	63	30.783	1.214	69.2	5.4907	0.0000	SURCHARGED
60 minute summer	06HB	66	30.783	1.263	17.9	5.7134	0.0000	SURCHARGED
60 minute summer	07DD	66	29.527	0.037	2.8	0.0416	0.0000	OK
60 minute summer	C1	67	29.492	0.037	2.8	0.0000	0.0000	OK
60 minute summer	C2	67	29.443	0.036	2.8	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute summer	Basin	1.000	02A	-214.3	-3.063	-0.813	0.4753	
60 minute summer	02A	1.001	02	-200.8	-1.354	-1.297	3.7510	
60 minute summer	02	1.002	03	-158.3	0.337	-0.225	16.5767	
60 minute summer	01	2.000	03	27.3	0.289	0.039	8.5061	
60 minute summer	03	1.003	04	-97.1	0.475	-0.139	28.1238	
60 minute summer	04	1.004	05	-64.0	0.380	-0.091	9.4359	
60 minute summer	05	1.005	06HB	17.9	0.501	0.026	13.5043	
60 minute summer	06HB	Hydro-Brake®	07DD	2.8				
60 minute summer	07DD	1.007	C1	2.8	0.566	0.031	0.0257	
60 minute summer	C1	1.008	C2	2.8	0.578	0.031	0.0344	47.3

Results for 100 year +45% CC 60 minute winter. 300 minute analysis at 1 minute timestep. Mass balance: 99.74%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	Basin	64	30.785	0.565	154.1	121.5753	0.0000	SURCHARGED
60 minute winter	02A	64	30.788	0.588	155.9	1.4604	0.0000	SURCHARGED
60 minute winter	02	63	30.787	1.017	142.8	3.4264	0.0000	SURCHARGED
60 minute winter	01	66	30.786	1.046	19.6	0.3493	0.0000	SURCHARGED
60 minute winter	03	63	30.787	1.079	115.3	4.2893	0.0000	SURCHARGED
60 minute winter	04	63	30.786	1.182	67.6	3.8711	0.0000	SURCHARGED
60 minute winter	05	65	30.785	1.216	50.0	5.4987	0.0000	SURCHARGED
60 minute winter	06HB	63	30.786	1.266	15.0	5.7256	0.0000	SURCHARGED
60 minute winter	07DD	63	29.527	0.037	2.8	0.0416	0.0000	OK
60 minute winter	C1	66	29.492	0.037	2.8	0.0000	0.0000	OK
60 minute winter	C2	66	29.443	0.036	2.8	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute winter	Basin	1.000	02A	-154.1	-2.607	-0.584	0.4753	
60 minute winter	02A	1.001	02	-145.0	-1.090	-0.937	3.7510	
60 minute winter	02	1.002	03	-112.1	0.339	-0.159	16.5767	
60 minute winter	01	2.000	03	22.1	0.272	0.031	8.5061	
60 minute winter	03	1.003	04	-70.3	0.485	-0.100	28.1238	
60 minute winter	04	1.004	05	-44.8	0.376	-0.064	9.4359	
60 minute winter	05	1.005	06HB	15.0	0.484	0.022	13.5043	
60 minute winter	06HB	Hydro-Brake®	07DD	2.8				
60 minute winter	07DD	1.007	C1	2.8	0.566	0.031	0.0258	
60 minute winter	C1	1.008	C2	2.8	0.578	0.031	0.0344	47.1

Results for 100 year +45% CC 120 minute summer. 360 minute analysis at 2 minute timestep. Mass balance: 99.75%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute summer	Basin	124	30.960	0.740	138.7	174.1939	0.0000	SURCHARGED
120 minute summer	02A	126	30.960	0.760	142.3	1.8885	0.0000	SURCHARGED
120 minute summer	02	124	30.960	1.190	133.7	4.0104	0.0000	SURCHARGED
120 minute summer	01	120	30.960	1.220	18.5	0.4076	0.0000	SURCHARGED
120 minute summer	03	124	30.961	1.253	105.3	4.9801	0.0000	SURCHARGED
120 minute summer	04	124	30.959	1.355	63.5	4.4374	0.0000	SURCHARGED
120 minute summer	05	124	30.959	1.390	47.3	6.2835	0.0000	SURCHARGED
120 minute summer	06HB	124	30.960	1.440	11.9	6.5153	0.0000	SURCHARGED
120 minute summer	07DD	124	29.528	0.038	2.9	0.0429	0.0000	OK
120 minute summer	C1	124	29.493	0.038	2.9	0.0000	0.0000	OK
120 minute summer	C2	124	29.444	0.037	2.9	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute summer	Basin	1.000	02A	-138.7	-2.096	-0.526	0.4753	
120 minute summer	02A	1.001	02	-131.8	-0.997	-0.851	3.7510	
120 minute summer	02	1.002	03	-104.6	0.297	-0.148	16.5767	
120 minute summer	01	2.000	03	18.5	0.268	0.026	8.5061	
120 minute summer	03	1.003	04	-62.6	0.410	-0.089	28.1238	
120 minute summer	04	1.004	05	-41.5	0.350	-0.059	9.4359	
120 minute summer	05	1.005	06HB	11.9	0.471	0.017	13.5043	
120 minute summer	06HB	Hydro-Brake®	07DD	2.9				
120 minute summer	07DD	1.007	C1	2.9	0.575	0.032	0.0269	
120 minute summer	C1	1.008	C2	2.9	0.588	0.032	0.0359	59.4

Results for 100 year +45% CC 120 minute winter. 360 minute analysis at 2 minute timestep. Mass balance: 99.75%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute winter	Basin	122	30.962	0.742	91.7	174.9917	0.0000	SURCHARGED
120 minute winter	02A	122	30.963	0.763	94.4	1.8951	0.0000	SURCHARGED
120 minute winter	02	122	30.963	1.193	90.2	4.0178	0.0000	SURCHARGED
120 minute winter	01	128	30.968	1.228	12.8	0.4101	0.0000	SURCHARGED
120 minute winter	03	122	30.964	1.256	71.8	4.9918	0.0000	SURCHARGED
120 minute winter	04	122	30.964	1.360	44.7	4.4528	0.0000	SURCHARGED
120 minute winter	05	134	30.961	1.392	32.5	6.2942	0.0000	SURCHARGED
120 minute winter	06HB	122	30.961	1.441	11.8	6.5188	0.0000	SURCHARGED
120 minute winter	07DD	122	29.528	0.038	2.9	0.0429	0.0000	OK
120 minute winter	C1	122	29.493	0.038	2.9	0.0000	0.0000	OK
120 minute winter	C2	122	29.444	0.037	2.9	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute winter	Basin	1.000	02A	-91.7	-1.896	-0.348	0.4753	
120 minute winter	02A	1.001	02	-87.1	-0.790	-0.562	3.7510	
120 minute winter	02	1.002	03	-70.2	0.296	-0.100	16.5767	
120 minute winter	01	2.000	03	12.6	0.239	0.018	8.5061	
120 minute winter	03	1.003	04	-42.5	0.419	-0.061	28.1238	
120 minute winter	04	1.004	05	-29.9	0.347	-0.043	9.4359	
120 minute winter	05	1.005	06HB	11.8	0.428	0.017	13.5043	
120 minute winter	06HB	Hydro-Brake®	07DD	2.9				
120 minute winter	07DD	1.007	C1	2.9	0.575	0.032	0.0269	
120 minute winter	C1	1.008	C2	2.9	0.588	0.032	0.0359	59.1

Results for 100 year +45% CC 180 minute summer. 420 minute analysis at 4 minute timestep. Mass balance: 99.76%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute summer	Basin	184	31.051	0.831	103.1	204.5252	0.0000	FLOOD RISK
180 minute summer	02A	184	31.053	0.853	105.0	2.1198	0.0000	FLOOD RISK
180 minute summer	02	188	31.052	1.282	98.4	4.3190	0.0000	SURCHARGED
180 minute summer	01	184	31.059	1.319	14.1	0.4407	0.0000	SURCHARGED
180 minute summer	03	192	31.052	1.344	78.0	5.3411	0.0000	SURCHARGED
180 minute summer	04	184	31.052	1.448	46.7	4.7422	0.0000	SURCHARGED
180 minute summer	05	180	31.050	1.481	36.0	6.6987	0.0000	SURCHARGED
180 minute summer	06HB	184	31.052	1.532	7.6	6.9299	0.0000	SURCHARGED
180 minute summer	07DD	180	29.528	0.038	3.0	0.0435	0.0000	OK
180 minute summer	C1	192	29.493	0.038	3.0	0.0000	0.0000	OK
180 minute summer	C2	188	29.444	0.037	3.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute summer	Basin	1.000	02A	-103.1	-1.717	-0.391	0.4753	
180 minute summer	02A	1.001	02	-97.0	-0.755	-0.626	3.7510	
180 minute summer	02	1.002	03	-76.3	0.275	-0.108	16.5767	
180 minute summer	01	2.000	03	13.6	0.194	0.019	8.5061	
180 minute summer	03	1.003	04	-45.6	0.386	-0.065	28.1238	
180 minute summer	04	1.004	05	-29.9	0.310	-0.043	9.4359	
180 minute summer	05	1.005	06HB	7.6	0.366	0.011	13.5043	
180 minute summer	06HB	Hydro-Brake®	07DD	3.0				
180 minute summer	07DD	1.007	C1	3.0	0.580	0.033	0.0274	
180 minute summer	C1	1.008	C2	3.0	0.593	0.033	0.0366	70.2

Results for 100 year +45% CC 180 minute winter. 420 minute analysis at 4 minute timestep. Mass balance: 99.76%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute winter	Basin	184	31.053	0.833	69.2	205.3318	0.0000	FLOOD RISK
180 minute winter	02A	180	31.053	0.853	70.8	2.1199	0.0000	FLOOD RISK
180 minute winter	02	184	31.053	1.283	66.7	4.3217	0.0000	SURCHARGED
180 minute winter	01	184	31.056	1.316	9.7	0.4396	0.0000	SURCHARGED
180 minute winter	03	196	31.054	1.346	52.8	5.3477	0.0000	SURCHARGED
180 minute winter	04	184	31.054	1.450	31.9	4.7475	0.0000	SURCHARGED
180 minute winter	05	184	31.052	1.483	24.7	6.7079	0.0000	SURCHARGED
180 minute winter	06HB	184	31.054	1.534	7.1	6.9392	0.0000	SURCHARGED
180 minute winter	07DD	184	29.528	0.038	3.0	0.0435	0.0000	OK
180 minute winter	C1	180	29.493	0.038	3.0	0.0000	0.0000	OK
180 minute winter	C2	180	29.444	0.037	3.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute winter	Basin	1.000	02A	-69.2	-1.540	-0.263	0.4753	
180 minute winter	02A	1.001	02	-65.3	-0.643	-0.422	3.7510	
180 minute winter	02	1.002	03	-51.5	0.269	-0.073	16.5767	
180 minute winter	01	2.000	03	9.4	0.218	0.013	8.5061	
180 minute winter	03	1.003	04	-30.4	0.367	-0.043	28.1238	
180 minute winter	04	1.004	05	-20.4	0.292	-0.029	9.4359	
180 minute winter	05	1.005	06HB	7.1	0.395	0.010	13.5043	
180 minute winter	06HB	Hydro-Brake®	07DD	3.0				
180 minute winter	07DD	1.007	C1	3.0	0.580	0.033	0.0274	
180 minute winter	C1	1.008	C2	3.0	0.593	0.033	0.0366	69.8

Results for 100 year +45% CC 240 minute summer. 480 minute analysis at 4 minute timestep. Mass balance: 99.77%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute summer	Basin	244	31.107	0.887	86.8	224.0372	0.0000	FLOOD RISK
240 minute summer	02A	240	31.113	0.913	88.8	2.2696	0.0000	FLOOD RISK
240 minute summer	02	244	31.106	1.336	83.7	4.5006	0.0000	SURCHARGED
240 minute summer	01	244	31.108	1.368	12.0	0.4568	0.0000	SURCHARGED
240 minute summer	03	244	31.106	1.398	66.0	5.5558	0.0000	SURCHARGED
240 minute summer	04	244	31.107	1.503	39.3	4.9199	0.0000	SURCHARGED
240 minute summer	05	252	31.105	1.536	30.7	6.9468	0.0000	SURCHARGED
240 minute summer	06HB	248	31.106	1.586	6.5	7.1746	0.0000	SURCHARGED
240 minute summer	07DD	248	29.529	0.039	3.1	0.0438	0.0000	OK
240 minute summer	C1	248	29.493	0.038	3.1	0.0000	0.0000	OK
240 minute summer	C2	248	29.445	0.038	3.1	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute summer	Basin	1.000	02A	-86.8	-1.488	-0.329	0.4753	
240 minute summer	02A	1.001	02	-82.0	-0.624	-0.530	3.7510	
240 minute summer	02	1.002	03	-64.8	0.260	-0.092	16.5767	
240 minute summer	01	2.000	03	11.7	0.186	0.017	8.5061	
240 minute summer	03	1.003	04	-38.1	0.363	-0.054	28.1238	
240 minute summer	04	1.004	05	-25.0	0.337	-0.036	9.4359	
240 minute summer	05	1.005	06HB	6.5	0.357	0.009	13.5043	
240 minute summer	06HB	Hydro-Brake®	07DD	3.1				
240 minute summer	07DD	1.007	C1	3.1	0.583	0.034	0.0277	
240 minute summer	C1	1.008	C2	3.1	0.596	0.034	0.0370	80.9

Results for 100 year +45% CC 240 minute winter. 480 minute analysis at 4 minute timestep. Mass balance: 99.77%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute winter	Basin	240	31.111	0.891	57.0	225.6682	0.0000	FLOOD RISK
240 minute winter	02A	240	31.114	0.914	57.8	2.2720	0.0000	FLOOD RISK
240 minute winter	02	236	31.111	1.341	54.4	4.5184	0.0000	SURCHARGED
240 minute winter	01	236	31.114	1.374	8.0	0.4589	0.0000	SURCHARGED
240 minute winter	03	244	31.111	1.403	42.9	5.5752	0.0000	SURCHARGED
240 minute winter	04	236	31.114	1.510	25.1	4.9452	0.0000	SURCHARGED
240 minute winter	05	236	31.113	1.544	20.4	6.9836	0.0000	SURCHARGED
240 minute winter	06HB	236	31.115	1.595	5.8	7.2153	0.0000	SURCHARGED
240 minute winter	07DD	236	29.529	0.039	3.1	0.0439	0.0000	OK
240 minute winter	C1	236	29.493	0.038	3.1	0.0000	0.0000	OK
240 minute winter	C2	236	29.445	0.038	3.1	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute winter	Basin	1.000	02A	-57.0	-1.401	-0.216	0.4753	
240 minute winter	02A	1.001	02	-53.3	-0.549	-0.345	3.7510	
240 minute winter	02	1.002	03	-41.9	0.252	-0.059	16.5767	
240 minute winter	01	2.000	03	8.1	0.182	0.011	8.5061	
240 minute winter	03	1.003	04	-24.5	0.348	-0.035	28.1238	
240 minute winter	04	1.004	05	-15.6	0.315	-0.022	9.4359	
240 minute winter	05	1.005	06HB	5.8	0.369	0.008	13.5043	
240 minute winter	06HB	Hydro-Brake®	07DD	3.1				
240 minute winter	07DD	1.007	C1	3.1	0.583	0.034	0.0278	
240 minute winter	C1	1.008	C2	3.1	0.596	0.034	0.0370	80.3

Results for 100 year +45% CC 360 minute summer. 600 minute analysis at 8 minute timestep. Mass balance: 99.78%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute summer	Basin	368	31.169	0.949	66.6	246.7385	0.0000	FLOOD RISK
360 minute summer	02A	360	31.171	0.971	67.6	2.4136	0.0000	FLOOD RISK
360 minute summer	02	360	31.171	1.401	63.3	4.7208	0.0000	SURCHARGED
360 minute summer	01	360	31.172	1.432	9.2	0.4783	0.0000	SURCHARGED
360 minute summer	03	360	31.171	1.463	49.9	5.8122	0.0000	SURCHARGED
360 minute summer	04	360	31.171	1.567	29.5	5.1298	0.0000	SURCHARGED
360 minute summer	05	360	31.170	1.601	23.5	7.2404	0.0000	FLOOD RISK
360 minute summer	06HB	360	31.171	1.651	5.0	7.4708	0.0000	SURCHARGED
360 minute summer	07DD	360	29.529	0.039	3.1	0.0442	0.0000	OK
360 minute summer	C1	360	29.494	0.039	3.1	0.0000	0.0000	OK
360 minute summer	C2	360	29.445	0.038	3.1	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute summer	Basin	1.000	02A	-66.6	-1.197	-0.253	0.4753	
360 minute summer	02A	1.001	02	-62.4	-0.491	-0.403	3.7510	
360 minute summer	02	1.002	03	-48.9	0.223	-0.069	16.5767	
360 minute summer	01	2.000	03	8.9	0.128	0.013	8.5061	
360 minute summer	03	1.003	04	-28.6	0.338	-0.041	28.1238	
360 minute summer	04	1.004	05	-18.5	0.319	-0.026	9.4359	
360 minute summer	05	1.005	06HB	5.0	0.215	0.007	13.5043	
360 minute summer	06HB	Hydro-Brake®	07DD	3.1				
360 minute summer	07DD	1.007	C1	3.1	0.586	0.035	0.0281	
360 minute summer	C1	1.008	C2	3.1	0.599	0.035	0.0375	101.4

Results for 100 year +45% CC 360 minute winter. 600 minute analysis at 8 minute timestep. Mass balance: 99.78%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute winter	Basin	360	31.176	0.956	42.5	249.1997	0.0000	FLOOD RISK
360 minute winter	02A	352	31.179	0.979	43.1	2.4332	0.0000	FLOOD RISK
360 minute winter	02	352	31.177	1.407	40.2	4.7404	0.0000	SURCHARGED
360 minute winter	01	360	31.181	1.441	6.0	0.4812	0.0000	SURCHARGED
360 minute winter	03	352	31.178	1.470	31.5	5.8430	0.0000	SURCHARGED
360 minute winter	04	352	31.176	1.572	19.4	5.1463	0.0000	SURCHARGED
360 minute winter	05	352	31.176	1.607	15.3	7.2690	0.0000	FLOOD RISK
360 minute winter	06HB	352	31.177	1.657	4.5	7.4958	0.0000	SURCHARGED
360 minute winter	07DD	352	29.529	0.039	3.1	0.0443	0.0000	OK
360 minute winter	C1	352	29.494	0.039	3.1	0.0000	0.0000	OK
360 minute winter	C2	352	29.445	0.038	3.1	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute winter	Basin	1.000	02A	-42.5	-1.179	-0.161	0.4753	
360 minute winter	02A	1.001	02	-39.7	-0.395	-0.256	3.7510	
360 minute winter	02	1.002	03	-30.8	0.231	-0.044	16.5767	
360 minute winter	01	2.000	03	5.8	0.136	0.008	8.5061	
360 minute winter	03	1.003	04	-17.7	0.327	-0.025	28.1238	
360 minute winter	04	1.004	05	-12.5	0.221	-0.018	9.4359	
360 minute winter	05	1.005	06HB	4.5	0.259	0.006	13.5043	
360 minute winter	06HB	Hydro-Brake®	07DD	3.1				
360 minute winter	07DD	1.007	C1	3.1	0.586	0.035	0.0281	
360 minute winter	C1	1.008	C2	3.1	0.600	0.035	0.0375	100.5

Results for 100 year +45% CC 480 minute summer. 720 minute analysis at 8 minute timestep. Mass balance: 99.80%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute summer	Basin	480	31.207	0.987	53.1	260.8091	0.0000	FLOOD RISK
480 minute summer	02A	488	31.207	1.007	53.1	2.5035	0.0000	FLOOD RISK
480 minute summer	02	488	31.208	1.438	49.8	4.8434	0.0000	SURCHARGED
480 minute summer	01	488	31.208	1.468	7.3	0.4904	0.0000	SURCHARGED
480 minute summer	03	480	31.207	1.499	39.9	5.9574	0.0000	SURCHARGED
480 minute summer	04	472	31.208	1.604	23.1	5.2509	0.0000	SURCHARGED
480 minute summer	05	488	31.205	1.636	18.6	7.3962	0.0000	FLOOD RISK
480 minute summer	06HB	488	31.206	1.686	5.0	7.6267	0.0000	SURCHARGED
480 minute summer	07DD	480	29.529	0.039	3.2	0.0444	0.0000	OK
480 minute summer	C1	480	29.494	0.039	3.2	0.0000	0.0000	OK
480 minute summer	C2	480	29.445	0.038	3.2	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute summer	Basin	1.000	02A	-53.1	-1.099	-0.201	0.4753	
480 minute summer	02A	1.001	02	-49.0	-0.419	-0.317	3.7510	
480 minute summer	02	1.002	03	-38.4	0.211	-0.054	16.5767	
480 minute summer	01	2.000	03	7.9	0.121	0.011	8.5061	
480 minute summer	03	1.003	04	-22.2	0.318	-0.032	28.1238	
480 minute summer	04	1.004	05	-15.1	0.295	-0.022	9.4359	
480 minute summer	05	1.005	06HB	5.0	0.229	0.007	13.5043	
480 minute summer	06HB	Hydro-Brake®	07DD	3.2				
480 minute summer	07DD	1.007	C1	3.2	0.588	0.035	0.0283	
480 minute summer	C1	1.008	C2	3.2	0.601	0.035	0.0377	121.9

Results for 100 year +45% CC 480 minute winter. 720 minute analysis at 8 minute timestep. Mass balance: 99.80%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute winter	Basin	472	31.215	0.995	34.1	263.7748	0.0000	FLOOD RISK
480 minute winter	02A	472	31.215	1.015	34.3	2.5225	0.0000	FLOOD RISK
480 minute winter	02	464	31.215	1.445	32.0	4.8686	0.0000	SURCHARGED
480 minute winter	01	464	31.220	1.480	4.8	0.4942	0.0000	SURCHARGED
480 minute winter	03	464	31.213	1.505	25.2	5.9796	0.0000	SURCHARGED
480 minute winter	04	472	31.216	1.612	15.1	5.2788	0.0000	SURCHARGED
480 minute winter	05	472	31.214	1.645	12.3	7.4388	0.0000	FLOOD RISK
480 minute winter	06HB	472	31.214	1.694	6.2	7.6654	0.0000	SURCHARGED
480 minute winter	07DD	464	29.529	0.039	3.2	0.0445	0.0000	OK
480 minute winter	C1	464	29.494	0.039	3.2	0.0000	0.0000	OK
480 minute winter	C2	464	29.445	0.038	3.2	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute winter	Basin	1.000	02A	-34.1	-1.037	-0.129	0.4753	
480 minute winter	02A	1.001	02	-31.5	-0.386	-0.204	3.7510	
480 minute winter	02	1.002	03	-24.4	0.222	-0.035	16.5767	
480 minute winter	01	2.000	03	5.2	0.132	0.007	8.5061	
480 minute winter	03	1.003	04	-13.8	0.291	-0.020	28.1238	
480 minute winter	04	1.004	05	-9.5	0.269	-0.014	9.4359	
480 minute winter	05	1.005	06HB	6.2	0.270	0.009	13.5043	
480 minute winter	06HB	Hydro-Brake®	07DD	3.2				
480 minute winter	07DD	1.007	C1	3.2	0.588	0.035	0.0283	
480 minute winter	C1	1.008	C2	3.2	0.602	0.035	0.0378	120.8

Results for 100 year +45% CC 600 minute summer. 840 minute analysis at 15 minute timestep. Mass balance: 99.80%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute summer	Basin	600	31.226	1.006	42.2	267.9905	0.0000	FLOOD RISK
600 minute summer	02A	600	31.228	1.028	43.3	2.5534	0.0000	FLOOD RISK
600 minute summer	02	600	31.226	1.456	40.4	4.9058	0.0000	SURCHARGED
600 minute summer	01	600	31.228	1.488	6.0	0.4970	0.0000	SURCHARGED
600 minute summer	03	600	31.225	1.517	32.0	6.0281	0.0000	SURCHARGED
600 minute summer	04	600	31.226	1.622	18.8	5.3108	0.0000	SURCHARGED
600 minute summer	05	600	31.226	1.657	15.3	7.4928	0.0000	FLOOD RISK
600 minute summer	06HB	600	31.226	1.706	4.1	7.7159	0.0000	SURCHARGED
600 minute summer	07DD	600	29.529	0.039	3.2	0.0446	0.0000	OK
600 minute summer	C1	600	29.494	0.039	3.2	0.0000	0.0000	OK
600 minute summer	C2	600	29.445	0.038	3.2	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute summer	Basin	1.000	02A	-42.2	-1.014	-0.160	0.4753	
600 minute summer	02A	1.001	02	-39.9	-0.340	-0.258	3.7510	
600 minute summer	02	1.002	03	-31.0	0.197	-0.044	16.5767	
600 minute summer	01	2.000	03	6.5	0.117	0.009	8.5061	
600 minute summer	03	1.003	04	-17.6	0.295	-0.025	28.1238	
600 minute summer	04	1.004	05	-11.7	0.210	-0.017	9.4359	
600 minute summer	05	1.005	06HB	4.1	0.100	0.006	13.5043	
600 minute summer	06HB	Hydro-Brake®	07DD	3.2				
600 minute summer	07DD	1.007	C1	3.2	0.589	0.035	0.0284	
600 minute summer	C1	1.008	C2	3.2	0.602	0.035	0.0379	141.1

Results for 100 year +45% CC 600 minute winter. 840 minute analysis at 15 minute timestep. Mass balance: 99.80%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute winter	Basin	585	31.237	1.017	28.2	272.3039	0.0000	FLOOD RISK
600 minute winter	02A	585	31.238	1.038	28.6	2.5797	0.0000	FLOOD RISK
600 minute winter	02	585	31.237	1.467	26.7	4.9438	0.0000	SURCHARGED
600 minute winter	01	585	31.239	1.499	4.1	0.5007	0.0000	SURCHARGED
600 minute winter	03	585	31.236	1.528	20.8	6.0741	0.0000	SURCHARGED
600 minute winter	04	585	31.237	1.633	12.5	5.3465	0.0000	SURCHARGED
600 minute winter	05	585	31.237	1.668	10.4	7.5418	0.0000	FLOOD RISK
600 minute winter	06HB	585	31.236	1.716	5.4	7.7645	0.0000	SURCHARGED
600 minute winter	07DD	585	29.529	0.039	3.2	0.0446	0.0000	OK
600 minute winter	C1	585	29.494	0.039	3.2	0.0000	0.0000	OK
600 minute winter	C2	585	29.445	0.038	3.2	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute winter	Basin	1.000	02A	-28.2	-0.801	-0.107	0.4753	
600 minute winter	02A	1.001	02	-26.3	-0.346	-0.170	3.7510	
600 minute winter	02	1.002	03	-20.3	0.212	-0.029	16.5767	
600 minute winter	01	2.000	03	4.0	0.120	0.006	8.5061	
600 minute winter	03	1.003	04	-11.3	0.276	-0.016	28.1238	
600 minute winter	04	1.004	05	-7.6	0.262	-0.011	9.4359	
600 minute winter	05	1.005	06HB	5.4	0.186	0.008	13.5043	
600 minute winter	06HB	Hydro-Brake®	07DD	3.2				
600 minute winter	07DD	1.007	C1	3.2	0.589	0.035	0.0284	
600 minute winter	C1	1.008	C2	3.2	0.603	0.035	0.0379	140.3

Results for 100 year +45% CC 720 minute summer. 960 minute analysis at 15 minute timestep. Mass balance: 99.81%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute summer	Basin	720	31.237	1.017	37.5	272.2347	0.0000	FLOOD RISK
720 minute summer	02A	720	31.238	1.038	38.0	2.5805	0.0000	FLOOD RISK
720 minute summer	02	720	31.235	1.465	35.7	4.9347	0.0000	SURCHARGED
720 minute summer	01	720	31.237	1.497	5.3	0.5000	0.0000	SURCHARGED
720 minute summer	03	690	31.236	1.528	27.8	6.0728	0.0000	SURCHARGED
720 minute summer	04	720	31.237	1.633	15.9	5.3450	0.0000	SURCHARGED
720 minute summer	05	720	31.236	1.667	13.6	7.5364	0.0000	FLOOD RISK
720 minute summer	06HB	720	31.236	1.716	5.0	7.7654	0.0000	SURCHARGED
720 minute summer	07DD	720	29.529	0.039	3.2	0.0446	0.0000	OK
720 minute summer	C1	720	29.494	0.039	3.2	0.0000	0.0000	OK
720 minute summer	C2	720	29.445	0.038	3.2	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute summer	Basin	1.000	02A	-37.5	-0.953	-0.142	0.4753	
720 minute summer	02A	1.001	02	-35.0	0.292	-0.226	3.7510	
720 minute summer	02	1.002	03	-27.3	0.194	-0.039	16.5767	
720 minute summer	01	2.000	03	5.1	0.109	0.007	8.5061	
720 minute summer	03	1.003	04	-15.4	0.285	-0.022	28.1238	
720 minute summer	04	1.004	05	-9.6	0.225	-0.014	9.4359	
720 minute summer	05	1.005	06HB	5.0	0.102	0.007	13.5043	
720 minute summer	06HB	Hydro-Brake®	07DD	3.2				
720 minute summer	07DD	1.007	C1	3.2	0.589	0.035	0.0284	
720 minute summer	C1	1.008	C2	3.2	0.603	0.035	0.0379	161.5

Results for 100 year +45% CC 720 minute winter. 960 minute analysis at 15 minute timestep. Mass balance: 99.81%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute winter	Basin	705	31.250	1.030	24.6	277.5401	0.0000	FLOOD RISK
720 minute winter	02A	690	31.250	1.050	25.1	2.6100	0.0000	FLOOD RISK
720 minute winter	02	705	31.251	1.481	23.8	4.9897	0.0000	SURCHARGED
720 minute winter	01	705	31.253	1.513	3.6	0.5053	0.0000	SURCHARGED
720 minute winter	03	705	31.251	1.543	18.2	6.1311	0.0000	SURCHARGED
720 minute winter	04	720	31.251	1.647	10.6	5.3913	0.0000	SURCHARGED
720 minute winter	05	690	31.249	1.680	9.2	7.5955	0.0000	FLOOD RISK
720 minute winter	06HB	690	31.249	1.729	5.2	7.8217	0.0000	SURCHARGED
720 minute winter	07DD	690	29.530	0.040	3.2	0.0447	0.0000	OK
720 minute winter	C1	690	29.494	0.039	3.2	0.0000	0.0000	OK
720 minute winter	C2	690	29.445	0.038	3.2	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute winter	Basin	1.000	02A	-24.6	-0.730	-0.093	0.4753	
720 minute winter	02A	1.001	02	-23.1	-0.314	-0.149	3.7510	
720 minute winter	02	1.002	03	-18.2	0.208	-0.026	16.5767	
720 minute winter	01	2.000	03	4.8	0.115	0.007	8.5061	
720 minute winter	03	1.003	04	-11.0	0.268	-0.016	28.1238	
720 minute winter	04	1.004	05	-7.0	0.245	-0.010	9.4359	
720 minute winter	05	1.005	06HB	5.2	0.190	0.007	13.5043	
720 minute winter	06HB	Hydro-Brake®	07DD	3.2				
720 minute winter	07DD	1.007	C1	3.2	0.590	0.035	0.0285	
720 minute winter	C1	1.008	C2	3.2	0.603	0.035	0.0380	160.2

Results for 100 year +45% CC 960 minute summer. 1200 minute analysis at 15 minute timestep. Mass balance: 99.83%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute summer	Basin	945	31.238	1.018	31.1	272.6648	0.0000	FLOOD RISK
960 minute summer	02A	960	31.240	1.040	30.9	2.5833	0.0000	FLOOD RISK
960 minute summer	02	930	31.239	1.469	29.6	4.9484	0.0000	SURCHARGED
960 minute summer	01	960	31.245	1.505	4.4	0.5026	0.0000	SURCHARGED
960 minute summer	03	900	31.238	1.530	22.4	6.0810	0.0000	SURCHARGED
960 minute summer	04	930	31.241	1.637	12.6	5.3591	0.0000	SURCHARGED
960 minute summer	05	945	31.238	1.669	11.2	7.5477	0.0000	FLOOD RISK
960 minute summer	06HB	945	31.240	1.720	4.1	7.7793	0.0000	SURCHARGED
960 minute summer	07DD	945	29.529	0.039	3.2	0.0446	0.0000	OK
960 minute summer	C1	915	29.494	0.039	3.2	0.0000	0.0000	OK
960 minute summer	C2	915	29.445	0.038	3.2	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute summer	Basin	1.000	02A	-31.1	-0.895	-0.118	0.4753	
960 minute summer	02A	1.001	02	-28.4	0.292	-0.184	3.7510	
960 minute summer	02	1.002	03	-22.7	0.178	-0.032	16.5767	
960 minute summer	01	2.000	03	4.4	0.104	0.006	8.5061	
960 minute summer	03	1.003	04	-12.3	0.263	-0.018	28.1238	
960 minute summer	04	1.004	05	-7.4	0.245	-0.011	9.4359	
960 minute summer	05	1.005	06HB	4.1	0.111	0.006	13.5043	
960 minute summer	06HB	Hydro-Brake®	07DD	3.2				
960 minute summer	07DD	1.007	C1	3.2	0.589	0.035	0.0285	
960 minute summer	C1	1.008	C2	3.2	0.603	0.035	0.0380	201.7

Results for 100 year +45% CC 960 minute winter. 1200 minute analysis at 15 minute timestep. Mass balance: 99.83%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute winter	Basin	915	31.257	1.037	20.3	280.0172	0.0000	FLOOD RISK
960 minute winter	02A	885	31.258	1.058	21.1	2.6288	0.0000	FLOOD RISK
960 minute winter	02	930	31.256	1.486	20.3	5.0065	0.0000	SURCHARGED
960 minute winter	01	930	31.259	1.519	2.9	0.5074	0.0000	SURCHARGED
960 minute winter	03	885	31.256	1.548	15.1	6.1518	0.0000	SURCHARGED
960 minute winter	04	915	31.257	1.653	9.1	5.4119	0.0000	SURCHARGED
960 minute winter	05	930	31.258	1.689	7.4	7.6382	0.0000	FLOOD RISK
960 minute winter	06HB	930	31.258	1.738	4.1	7.8630	0.0000	SURCHARGED
960 minute winter	07DD	930	29.530	0.040	3.2	0.0448	0.0000	OK
960 minute winter	C1	930	29.494	0.039	3.2	0.0000	0.0000	OK
960 minute winter	C2	930	29.445	0.038	3.2	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute winter	Basin	1.000	02A	-20.3	-0.760	-0.077	0.4753	
960 minute winter	02A	1.001	02	-19.4	0.292	-0.125	3.7510	
960 minute winter	02	1.002	03	-15.7	0.191	-0.022	16.5767	
960 minute winter	01	2.000	03	3.4	0.111	0.005	8.5061	
960 minute winter	03	1.003	04	-8.2	0.254	-0.012	28.1238	
960 minute winter	04	1.004	05	-5.6	0.229	-0.008	9.4359	
960 minute winter	05	1.005	06HB	4.1	0.180	0.006	13.5043	
960 minute winter	06HB	Hydro-Brake®	07DD	3.2				
960 minute winter	07DD	1.007	C1	3.2	0.590	0.035	0.0286	
960 minute winter	C1	1.008	C2	3.2	0.604	0.035	0.0381	199.6

Results for 100 year +45% CC 1440 minute summer. 1680 minute analysis at 30 minute timestep. Mass balance: 99.85%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute summer	Basin	1170	31.221	1.001	23.5	266.2851	0.0000	FLOOD RISK
1440 minute summer	02A	1140	31.223	1.023	23.0	2.5433	0.0000	FLOOD RISK
1440 minute summer	02	1230	31.222	1.452	21.6	4.8928	0.0000	SURCHARGED
1440 minute summer	01	1260	31.225	1.485	3.2	0.4959	0.0000	SURCHARGED
1440 minute summer	03	1230	31.222	1.514	16.6	6.0184	0.0000	SURCHARGED
1440 minute summer	04	1230	31.222	1.618	8.6	5.2986	0.0000	SURCHARGED
1440 minute summer	05	1170	31.222	1.653	8.2	7.4753	0.0000	FLOOD RISK
1440 minute summer	06HB	1170	31.222	1.702	4.5	7.6977	0.0000	SURCHARGED
1440 minute summer	07DD	1170	29.529	0.039	3.2	0.0445	0.0000	OK
1440 minute summer	C1	1170	29.494	0.039	3.2	0.0000	0.0000	OK
1440 minute summer	C2	1170	29.445	0.038	3.2	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute summer	Basin	1.000	02A	-23.5	-0.691	-0.089	0.4753	
1440 minute summer	02A	1.001	02	-21.2	0.292	-0.137	3.7510	
1440 minute summer	02	1.002	03	-16.6	0.172	-0.024	16.5767	
1440 minute summer	01	2.000	03	4.0	0.103	0.006	8.5061	
1440 minute summer	03	1.003	04	-9.1	0.252	-0.013	28.1238	
1440 minute summer	04	1.004	05	5.3	0.188	0.007	9.4359	
1440 minute summer	05	1.005	06HB	4.5	0.097	0.006	13.5043	
1440 minute summer	06HB	Hydro-Brake®	07DD	3.2				
1440 minute summer	07DD	1.007	C1	3.2	0.588	0.035	0.0284	
1440 minute summer	C1	1.008	C2	3.2	0.602	0.035	0.0378	276.3

Results for 100 year +45% CC 1440 minute winter. 1680 minute analysis at 30 minute timestep. Mass balance: 99.85%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute winter	Basin	1290	31.228	1.008	13.3	268.9295	0.0000	FLOOD RISK
1440 minute winter	02A	1140	31.229	1.029	14.5	2.5581	0.0000	FLOOD RISK
1440 minute winter	02	1260	31.230	1.460	13.2	4.9179	0.0000	SURCHARGED
1440 minute winter	01	1200	31.235	1.495	4.0	0.4992	0.0000	SURCHARGED
1440 minute winter	03	1260	31.229	1.521	9.9	6.0463	0.0000	SURCHARGED
1440 minute winter	04	1260	31.228	1.624	6.1	5.3183	0.0000	SURCHARGED
1440 minute winter	05	1290	31.229	1.660	6.6	7.5057	0.0000	FLOOD RISK
1440 minute winter	06HB	1290	31.228	1.708	5.5	7.7282	0.0000	SURCHARGED
1440 minute winter	07DD	1170	29.529	0.039	3.2	0.0446	0.0000	OK
1440 minute winter	C1	1170	29.494	0.039	3.2	0.0000	0.0000	OK
1440 minute winter	C2	1200	29.445	0.038	3.2	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute winter	Basin	1.000	02A	-13.3	-0.746	-0.051	0.4753	
1440 minute winter	02A	1.001	02	-13.3	0.292	-0.086	3.7510	
1440 minute winter	02	1.002	03	-9.8	0.172	-0.014	16.5767	
1440 minute winter	01	2.000	03	3.5	0.103	0.005	8.5061	
1440 minute winter	03	1.003	04	4.8	0.244	0.007	28.1238	
1440 minute winter	04	1.004	05	5.8	0.216	0.008	9.4359	
1440 minute winter	05	1.005	06HB	5.5	0.137	0.008	13.5043	
1440 minute winter	06HB	Hydro-Brake®	07DD	3.2				
1440 minute winter	07DD	1.007	C1	3.2	0.589	0.035	0.0284	
1440 minute winter	C1	1.008	C2	3.2	0.602	0.035	0.0379	274.3

Results for 100 year +45% CC 2160 minute summer. 2400 minute analysis at 60 minute timestep. Mass balance: 99.87%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2160 minute summer	Basin	1560	31.184	0.964	14.5	252.1152	0.0000	FLOOD RISK
2160 minute summer	02A	1620	31.185	0.985	14.8	2.4468	0.0000	FLOOD RISK
2160 minute summer	02	1560	31.185	1.415	14.0	4.7667	0.0000	SURCHARGED
2160 minute summer	01	1560	31.187	1.447	2.3	0.4835	0.0000	SURCHARGED
2160 minute summer	03	1620	31.186	1.478	12.1	5.8732	0.0000	SURCHARGED
2160 minute summer	04	1560	31.185	1.581	4.8	5.1748	0.0000	SURCHARGED
2160 minute summer	05	1560	31.183	1.614	5.8	7.2967	0.0000	FLOOD RISK
2160 minute summer	06HB	1560	31.183	1.663	4.0	7.5242	0.0000	SURCHARGED
2160 minute summer	07DD	1560	29.529	0.039	3.1	0.0443	0.0000	OK
2160 minute summer	C1	1560	29.494	0.039	3.1	0.0000	0.0000	OK
2160 minute summer	C2	1560	29.445	0.038	3.1	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2160 minute summer	Basin	1.000	02A	-14.5	-0.693	-0.055	0.4753	
2160 minute summer	02A	1.001	02	-13.5	0.292	-0.087	3.7510	
2160 minute summer	02	1.002	03	-10.4	0.172	-0.015	16.5767	
2160 minute summer	01	2.000	03	2.8	0.103	0.004	8.5061	
2160 minute summer	03	1.003	04	-6.1	0.238	-0.009	28.1238	
2160 minute summer	04	1.004	05	3.5	0.203	0.005	9.4359	
2160 minute summer	05	1.005	06HB	4.0	0.110	0.006	13.5043	
2160 minute summer	06HB	Hydro-Brake®	07DD	3.1				
2160 minute summer	07DD	1.007	C1	3.1	0.587	0.035	0.0282	
2160 minute summer	C1	1.008	C2	3.1	0.600	0.035	0.0376	375.2

Results for 100 year +45% CC 2160 minute winter. 2400 minute analysis at 60 minute timestep. Mass balance: 99.87%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2160 minute winter	Basin	1680	31.182	0.962	10.0	251.5028	0.0000	FLOOD RISK
2160 minute winter	02A	1680	31.186	0.986	9.6	2.4495	0.0000	FLOOD RISK
2160 minute winter	02	1680	31.182	1.412	9.3	4.7576	0.0000	SURCHARGED
2160 minute winter	01	1740	31.182	1.442	1.6	0.4817	0.0000	SURCHARGED
2160 minute winter	03	1680	31.181	1.472	8.6	5.8517	0.0000	SURCHARGED
2160 minute winter	04	1680	31.181	1.577	4.6	5.1639	0.0000	SURCHARGED
2160 minute winter	05	1620	31.180	1.611	5.5	7.2828	0.0000	FLOOD RISK
2160 minute winter	06HB	1680	31.181	1.661	5.1	7.5133	0.0000	SURCHARGED
2160 minute winter	07DD	1620	29.529	0.039	3.1	0.0443	0.0000	OK
2160 minute winter	C1	1680	29.494	0.039	3.1	0.0000	0.0000	OK
2160 minute winter	C2	1680	29.445	0.038	3.1	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2160 minute winter	Basin	1.000	02A	-10.0	-0.661	-0.038	0.4753	
2160 minute winter	02A	1.001	02	-8.7	0.292	-0.056	3.7510	
2160 minute winter	02	1.002	03	-6.8	0.172	-0.010	16.5767	
2160 minute winter	01	2.000	03	2.9	0.103	0.004	8.5061	
2160 minute winter	03	1.003	04	-3.6	0.245	-0.005	28.1238	
2160 minute winter	04	1.004	05	3.9	0.213	0.005	9.4359	
2160 minute winter	05	1.005	06HB	5.1	0.125	0.007	13.5043	
2160 minute winter	06HB	Hydro-Brake®	07DD	3.1				
2160 minute winter	07DD	1.007	C1	3.1	0.586	0.035	0.0281	
2160 minute winter	C1	1.008	C2	3.1	0.600	0.035	0.0375	376.2