

Design Settings

Rainfall Methodology	FEH-22	Maximum Time of Concentration (mins)	30.00	Preferred Cover Depth (m)	0.400
Return Period (years)	2	Maximum Rainfall (mm/hr)	50.0	Include Intermediate Ground	✓
Additional Flow (%)	6	Minimum Velocity (m/s)	1.00	Enforce best practice design rules	✓
CV	1.000	Connection Type	Level Inverts		
Time of Entry (mins)	5.00	Minimum Backdrop Height (m)	0.200		

Nodes

Name	Area (ha)	T of E (mins)	Add Inflow (l/s)	Cover Level (m)	Diameter (mm)	Width (mm)	Easting (m)	Northing (m)	Depth (m)
53		5.00		10.400			161026.272	49304.739	0.640
52				10.297			161029.884	49290.595	0.569
51		5.00		10.300			161034.070	49296.038	0.400
50		5.00		10.400			161030.248	49304.407	0.350
SW-01				10.300	700		161032.013	49294.619	0.780
48	0.013	5.00		10.276			161039.342	49293.075	0.569
47		5.00		10.460			161041.870	49307.455	0.460
46		5.00		10.300			161042.428	49298.230	0.350
SW-02				10.270	700		161045.631	49299.665	0.753
44				10.255			161048.544	49295.488	0.569
43		5.00		10.270			161059.309	49309.432	0.575
42				10.235			161057.553	49296.345	0.569
41		5.00		10.216			161067.220	49298.691	0.555
40	0.017	5.00		10.214			161066.110	49290.649	0.570
39		5.00		10.230			161071.986	49310.482	0.250
SW-04				10.216	700		161069.847	49297.610	0.722
37				10.205			161069.553	49290.105	0.569
36		5.00		10.230			161074.227	49311.417	0.250
35		5.00		10.194			161073.315	49301.052	0.300
SW-05				10.216	700		161071.911	49297.381	0.722
33				10.201			161071.569	49290.040	0.569
32		5.00		10.194			161075.785	49298.697	0.550
31				10.194			161074.752	49289.896	0.569
30		5.00		10.183			161081.820	49297.865	0.553

Nodes

Name	Area (ha)	T of E (mins)	Add Inflow (l/s)	Cover Level (m)	Diameter (mm)	Width (mm)	Easting (m)	Northing (m)	Depth (m)
29				10.181			161080.817	49289.651	0.569
28		5.00		10.180			161084.968	49299.402	0.300
27		5.00		10.160			161086.911	49309.428	0.200
SW-06				10.180	700		161085.376	49295.907	0.743
25				10.171			161085.159	49289.476	0.568
24		5.00		10.160			161089.206	49311.922	0.200
SW-07				10.180	700		161087.028	49295.823	0.743
21	0.015	5.00		10.167			161087.209	49289.463	0.569
20		5.00		10.130			161096.381	49303.591	0.515
19				10.123			161094.252	49288.763	0.540
18		5.00		10.110			161100.338	49310.425	0.200
17		5.00		10.130			161096.637	49310.914	0.200
SW-08				10.150	700		161098.181	49294.483	0.737
15				10.112			161099.183	49288.072	0.540
14		5.00		10.125			161107.337	49301.900	0.533
13	0.023	5.00		10.125			161105.198	49286.789	0.566
12		5.00		10.115			161126.912	49285.201	0.265
SW-09				10.115	700		161116.529	49286.837	0.838
10	0.008	5.00		10.110			161111.313	49289.247	0.565
9		5.00		9.950			161129.855	49310.410	0.200
SW-13				10.050	700		161120.470	49311.513	0.767
7		5.00		10.125			161106.203	49300.505	0.300
6		5.00		10.065			161107.404	49309.111	0.300
SW-12				10.065	700		161109.040	49306.931	0.775
4	0.008	5.00		10.065			161113.813	49307.083	0.563
SW-14 (HYDRO)				10.000	1500		161115.601	49312.745	0.810
SW-15				9.950	1500		161128.995	49311.404	0.551
DITCH HEADWALL				9.960	225	225	161131.491	49318.685	0.612
54				10.230			161059.533	49294.998	0.569
SW-03				10.234	700		161059.914	49298.254	0.780
56				10.270			161060.228	49312.027	0.300
57		5.00		10.270			161061.692	49311.725	0.270

Nodes

Name	Area (ha)	T of E (mins)	Add Inflow (l/s)	Cover Level (m)	Diameter (mm)	Width (mm)	Easting (m)	Northing (m)	Depth (m)
58		5.00		10.240			161060.312	49301.831	0.350
59				10.080			161113.241	49302.960	0.565
SW-11				10.085	700		161118.384	49302.118	0.781
61		5.00		10.100			161126.865	49300.847	0.300
62				10.088			161112.736	49299.376	0.565
63		5.00		10.100			161126.272	49297.681	0.548
64				10.094			161112.303	49296.248	0.564
SW-10				10.090	700		161116.164	49295.776	0.775
66		5.00		10.100			161125.552	49295.671	0.300
PLOT 1	0.013	5.00	0.0	10.350			161069.096	49287.088	0.500
PLOT 4	0.014	5.00	0.0	10.300			161074.072	49286.283	0.500
PLOT 3	0.009	5.00	0.0	10.300			161077.995	49286.128	0.500
PLOT 2	0.009	5.00	0.0	10.250			161082.852	49285.776	0.500
PLOT 5	0.016	5.00	0.0	10.250			161088.010	49285.392	0.500

Links (Results)

Name	Vel (m/s)	Cap (l/s)	Flow (l/s)	US Depth (m)	DS Depth (m)	Σ Area (ha)	Σ Add Inflow (l/s)	Pro Depth (mm)	Pro Velocity (m/s)
1.022	1.707	192.0	43.6	0.326	0.387	0.287	0.0	79	1.105
1.021	1.724	193.9	43.8	0.285	0.326	0.287	0.0	79	1.116
1.020	0.937	105.4	44.2	0.338	0.285	0.287	0.0	120	0.736
1.019	1.007	75.5	40.7	0.415	0.413	0.263	0.0	98	0.836
27.001	0.754	5.9	1.9	0.367	0.459	0.010	0.0	39	0.669
28.001	1.023	8.0	1.3	0.375	0.459	0.007	0.0	28	0.759
28.000	1.416	11.1	0.4	0.200	0.375	0.002	0.0	13	0.656
29.000	1.967	15.4	1.0	0.200	0.375	0.005	0.0	17	1.083
27.000	1.026	8.1	1.9	0.100	0.367	0.010	0.0	33	0.841
1.018	0.845	63.4	40.5	0.415	0.415	0.260	0.0	109	0.739
26.001	1.006	7.9	0.4	0.381	0.465	0.002	0.0	16	0.535
26.000	1.168	9.2	0.4	0.200	0.381	0.002	0.0	14	0.582

Links (Results)

Name	Vel (m/s)	Cap (l/s)	Flow (l/s)	US Depth (m)	DS Depth (m)	Σ Area (ha)	Σ Add Inflow (l/s)	Pro Depth (mm)	Pro Velocity (m/s)
1.017	0.846	63.5	39.7	0.414	0.415	0.254	0.0	108	0.737
25.000	0.348	2.7	1.2	0.448	0.465	0.006	0.0	46	0.334
1.016	0.828	62.1	39.0	0.415	0.414	0.249	0.0	108	0.720
24.002	1.142	9.0	1.0	0.375	0.464	0.005	0.0	23	0.761
24.001	1.084	8.5	1.0	0.200	0.375	0.005	0.0	23	0.722
1.015	0.828	62.1	37.2	0.416	0.415	0.235	0.0	105	0.710
23.001	0.570	4.5	1.2	0.438	0.465	0.006	0.0	36	0.484
23.000	1.245	9.8	1.2	0.165	0.438	0.006	0.0	24	0.847
1.014	0.826	62.0	32.9	0.390	0.416	0.206	0.0	96	0.682
22.000	0.351	2.8	1.1	0.433	0.466	0.006	0.0	43	0.329
1.013	0.845	63.4	31.4	0.390	0.390	0.195	0.0	92	0.684
20.001	1.139	8.9	2.1	0.337	0.440	0.011	0.0	33	0.934
21.000	0.852	6.7	0.8	0.100	0.337	0.004	0.0	23	0.567
20.000	0.883	6.9	1.3	0.100	0.337	0.007	0.0	30	0.685
1.012	0.827	62.0	30.7	0.419	0.390	0.189	0.0	92	0.667
19.000	0.349	2.7	1.1	0.415	0.440	0.006	0.0	44	0.330
1.011	0.888	66.6	25.1	0.418	0.419	0.153	0.0	76	0.656
17.000	0.903	7.1	0.8	0.100	0.343	0.004	0.0	23	0.601
18.000	1.142	9.0	0.8	0.343	0.469	0.004	0.0	21	0.713
1.010	0.818	61.3	22.1	0.419	0.418	0.134	0.0	74	0.595
15.001	1.115	8.8	1.9	0.343	0.468	0.010	0.0	32	0.890
16.000	1.561	12.3	0.8	0.200	0.343	0.004	0.0	17	0.858
15.000	0.987	7.8	1.1	0.100	0.343	0.006	0.0	26	0.708
1.009	0.832	62.4	20.3	0.419	0.419	0.123	0.0	69	0.585
14.000	0.352	2.8	0.5	0.453	0.469	0.003	0.0	29	0.268
1.008	0.843	63.2	17.6	0.419	0.419	0.106	0.0	62	0.561
13.000	0.350	2.7	0.6	0.450	0.469	0.003	0.0	31	0.274
1.007	0.800	60.0	16.0	0.419	0.419	0.096	0.0	61	0.524
11.001	1.147	9.0	1.9	0.322	0.469	0.010	0.0	32	0.916
11.000	0.881	6.9	1.1	0.150	0.322	0.006	0.0	28	0.653
12.000	1.231	9.7	0.8	0.200	0.322	0.004	0.0	19	0.733
1.006	0.861	64.6	14.5	0.420	0.419	0.087	0.0	55	0.535

Links (Results)

Name	Vel (m/s)	Cap (l/s)	Flow (l/s)	US Depth (m)	DS Depth (m)	Σ Area (ha)	Σ Add Inflow (l/s)	Pro Depth (mm)	Pro Velocity (m/s)
10.001	1.120	8.8	1.7	0.322	0.469	0.009	0.0	30	0.870
10.000	0.920	7.2	1.7	0.150	0.322	0.009	0.0	33	0.754
1.005	0.835	62.6	9.0	0.419	0.420	0.054	0.0	41	0.440
9.000	0.346	2.7	0.5	0.455	0.470	0.003	0.0	30	0.267
1.004	0.821	61.6	7.0	0.419	0.419	0.041	0.0	35	0.399
7.002	1.303	10.2	2.5	0.380	0.469	0.013	0.0	33	1.069
8.000	1.506	11.8	0.6	0.250	0.380	0.003	0.0	15	0.778
7.001	0.966	7.6	1.9	0.200	0.380	0.010	0.0	34	0.801
7.000	1.073	8.4	0.9	0.170	0.200	0.005	0.0	22	0.700
1.003	0.466	8.2	6.4	0.419	0.419	0.038	0.0	100	0.515
6.000	0.354	2.8	0.7	0.475	0.469	0.004	0.0	34	0.293
1.002	0.466	8.2	5.0	0.419	0.419	0.029	0.0	85	0.489
4.001	1.240	9.7	1.7	0.353	0.469	0.009	0.0	29	0.935
4.000	1.124	8.8	1.3	0.360	0.353	0.007	0.0	26	0.806
5.000	1.508	11.8	0.4	0.250	0.353	0.002	0.0	12	0.671
1.001	0.350	2.7	1.9	0.469	0.469	0.010	0.0	61	0.377
2.001	0.947	7.4	1.0	0.380	0.469	0.005	0.0	25	0.667
3.000	1.385	10.9	0.4	0.300	0.380	0.002	0.0	14	0.667
2.000	1.175	9.2	0.6	0.250	0.380	0.003	0.0	17	0.645
1.000	0.354	2.8	2.0	0.540	0.469	0.010	0.0	62	0.384
10.000_1	1.632	12.8	2.5	0.400	0.470	0.013	0.0	30	1.269
15.000_1	1.692	13.3	2.7	0.400	0.469	0.014	0.0	30	1.315
17.000_1	1.582	12.4	1.7	0.400	0.469	0.009	0.0	25	1.117
20.000_1	1.422	11.2	1.7	0.400	0.468	0.009	0.0	27	1.039
22.000_1	1.483	11.6	3.1	0.400	0.469	0.016	0.0	35	1.246

Simulation Settings

Rainfall Methodology	FEH-22	Skip Steady State	✓	2 year (l/s)	0.3	500 year (l/s)	1.7
Summer CV	1.000	Drain Down Time (mins)	240	10 year (l/s)	0.6	Check Discharge Volume	✓
Winter CV	1.000	Additional Storage (m³/ha)	0.0	30 year (l/s)	0.9	100 year +40% 360 minute (m³)	67
Analysis Speed	Detailed	Check Discharge Rate(s)	✓	100 year (l/s)	1.2		

Storm Durations							
15 30 60 120 180 240 360 480 600 720 960 1440							
Return Period (years)	Climate Change (CC %)	Additional Area (A %)	Additional Flow (Q %)	Return Period (years)	Climate Change (CC %)	Additional Area (A %)	Additional Flow (Q %)
2	10	0	0	100	45	0	0
10	40	0	0	500	45	0	0
30	40	0	0				

Pre-development Discharge Rate

Site Makeup	Greenfield	SPR	0.30	Growth Factor 100 year	3.19	Q 10 year (l/s)	0.6
Greenfield Method	IH124	Region	7	Growth Factor 500 year	4.49	Q 30 year (l/s)	0.9
Positively Drained Area (ha)	0.208	Growth Factor 2 year	0.88	Betterment (%)	6	Q 100 year (l/s)	1.2
SAAR (mm)	749	Growth Factor 10 year	1.62	QBar	0.4	Q 500 year (l/s)	1.7
Soil Index	2	Growth Factor 30 year	2.40	Q 2 year (l/s)	0.3		

Pre-development Discharge Volume

Site Makeup	Greenfield	Soil Index	2	Return Period (years)	100	Betterment (%)	6
Greenfield Method	FSR/FEH	SPR	0.30	Climate Change (%)	40	PR	0.346
Positively Drained Area (ha)	0.208	CWI	112.444	Storm Duration (mins)	360	Runoff Volume (m³)	67

Node DITCH HEADWALL Surcharged Outfall

Overrides Design Area	x	Depression Storage Area (m²)	0	Evapo-transpiration (mm/day)	0
Overrides Design Additional Inflow	x	Depression Storage Depth (mm)	0		
Applies to All storms					

Time (mins)	Depth (m)	Time (mins)	Depth (m)
0	0.521	1440	0.521

Node SW-14 (HYDRO) Online Hydro-Brake® Control

Flap Valve	x	Design Flow (l/s)	1.2	Min Outlet Diameter (m)	0.075
Replaces Downstream Link	✓	Objective	(FP) Future proof	Min Node Diameter (mm)	1200
Invert Level (m)	9.490	Sump Available	✓		
Design Depth (m)	0.400	Product Number	CTL-SFP-0058-1200-0400-1200		

Node 48 Carpark Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Porosity	0.95	Width (m)	11.400	Depth (m)	0.300
Side Inf Coefficient (m/hr)	0.00000	Invert Level (m)	9.707	Length (m)	11.400	Inf Depth (m)	0.300
Safety Factor	3.0	Time to half empty (mins)	0	Slope (1:X)	460.0		

Node 21 Carpark Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Porosity	0.95	Width (m)	12.250	Depth (m)	0.300
Side Inf Coefficient (m/hr)	0.00000	Invert Level (m)	9.598	Length (m)	12.250	Inf Depth (m)	0.300
Safety Factor	3.0	Time to half empty (mins)	0	Slope (1:X)	460.0		

Node 40 Carpark Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Porosity	0.95	Width (m)	10.490	Depth (m)	0.300
Side Inf Coefficient (m/hr)	0.00000	Invert Level (m)	9.644	Length (m)	10.490	Inf Depth (m)	0.300
Safety Factor	3.0	Time to half empty (mins)	0	Slope (1:X)	460.0		

Node 13 Carpark Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Porosity	0.95	Width (m)	15.090	Depth (m)	0.300
Side Inf Coefficient (m/hr)	0.00000	Invert Level (m)	9.559	Length (m)	15.090	Inf Depth (m)	0.300
Safety Factor	3.0	Time to half empty (mins)	0	Slope (1:X)	460.0		

Node 10 Carpark Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Porosity	0.95	Width (m)	8.940	Depth (m)	0.300
Side Inf Coefficient (m/hr)	0.00000	Invert Level (m)	9.545	Length (m)	8.940	Inf Depth (m)	0.300
Safety Factor	3.0	Time to half empty (mins)		Slope (1:X)	460.0		

Node 4 Carpark Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Porosity	0.95	Width (m)	8.940	Depth (m)	0.300
Side Inf Coefficient (m/hr)	0.00000	Invert Level (m)	9.502	Length (m)	8.940	Inf Depth (m)	0.300
Safety Factor	3.0	Time to half empty (mins)		Slope (1:X)	460.0		

Node PLOT 1 Carpark Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Porosity	0.30	Width (m)	6.630	Depth (m)	
Side Inf Coefficient (m/hr)	0.00000	Invert Level (m)	9.850	Length (m)	6.630	Inf Depth (m)	0.400
Safety Factor	2.0	Time to half empty (mins)	0	Slope (1:X)	500.0		

Node PLOT 4 Carpark Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Porosity	0.30	Width (m)	8.000	Depth (m)	
Side Inf Coefficient (m/hr)	0.00000	Invert Level (m)	9.800	Length (m)	8.000	Inf Depth (m)	0.400
Safety Factor	2.0	Time to half empty (mins)	0	Slope (1:X)	500.0		

Node PLOT 3 Carpark Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Porosity	0.30	Width (m)	6.240	Depth (m)	
Side Inf Coefficient (m/hr)	0.00000	Invert Level (m)	9.800	Length (m)	6.240	Inf Depth (m)	0.400
Safety Factor	2.0	Time to half empty (mins)	0	Slope (1:X)	500.0		

Node PLOT 2 Carpark Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Porosity	0.30	Width (m)	5.740	Depth (m)	
Side Inf Coefficient (m/hr)	0.00000	Invert Level (m)	9.750	Length (m)	5.740	Inf Depth (m)	0.400
Safety Factor	2.0	Time to half empty (mins)	0	Slope (1:X)	500.0		

Node PLOT 5 Carpark Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Porosity	0.30	Width (m)	8.830	Depth (m)	
Side Inf Coefficient (m/hr)	0.00000	Invert Level (m)	9.750	Length (m)	8.830	Inf Depth (m)	0.400
Safety Factor	2.0	Time to half empty (mins)	0	Slope (1:X)	500.0		

Approval Settings

Node Size	✓	Minimum Backdrop Height (m)	0.200	Return Period (years)	100
Node Losses	✓	Maximum Backdrop Height (m)	1.500	Time to Half Empty	✓
Link Size	✓	Full Bore Velocity	✓	Return Period (years)	2
Minimum Diameter (mm)	100	Minimum Full Bore Velocity (m/s)	1.000	Discharge Rates	✓
Link Length	✓	Maximum Full Bore Velocity (m/s)	3.000	2 year (l/s)	0.0
Maximum Length (m)	100.000	Proportional Velocity	✓	10 year (l/s)	0.6
Coordinates	✓	Return Period (years)	2	30 year (l/s)	0.9
Accuracy (m)	1.000	Minimum Proportional Velocity (m/s)	0.750	100 year (l/s)	1.2
Crossings	✓	Maximum Proportional Velocity (m/s)	3.000	500 year (l/s)	1.7
Cover Depth	✓	Surcharged Depth	✓	Discharge Volume	✓
Minimum Cover Depth (m)	0.400	Return Period (years)	2	100 year +45% 360 minute (m³)	60
Maximum Cover Depth (m)	3.000	Maximum Surcharged Depth (m)	0.100		
Backdrops	✓	Flooding	✓		

Rainfall

Event	Peak Intensity (mm/hr)	Average Intensity (mm/hr)	Event	Peak Intensity (mm/hr)	Average Intensity (mm/hr)
2 year +10% CC 15 minute summer	112.801	31.919	2 year +10% CC 600 minute summer	11.991	3.280
2 year +10% CC 15 minute winter	79.159	31.919	2 year +10% CC 600 minute winter	8.193	3.280
2 year +10% CC 30 minute summer	73.505	20.799	2 year +10% CC 720 minute summer	10.667	2.859
2 year +10% CC 30 minute winter	51.583	20.799	2 year +10% CC 720 minute winter	7.169	2.859
2 year +10% CC 60 minute summer	49.342	13.040	2 year +10% CC 960 minute summer	8.714	2.295
2 year +10% CC 60 minute winter	32.782	13.040	2 year +10% CC 960 minute winter	5.772	2.295
2 year +10% CC 120 minute summer	35.561	9.398	2 year +10% CC 1440 minute summer	6.274	1.682
2 year +10% CC 120 minute winter	23.626	9.398	2 year +10% CC 1440 minute winter	4.217	1.682
2 year +10% CC 180 minute summer	29.001	7.463	10 year +40% CC 15 minute summer	319.333	90.360
2 year +10% CC 180 minute winter	18.851	7.463	10 year +40% CC 15 minute winter	224.093	90.360
2 year +10% CC 240 minute summer	23.623	6.243	10 year +40% CC 30 minute summer	207.936	58.839
2 year +10% CC 240 minute winter	15.694	6.243	10 year +40% CC 30 minute winter	145.920	58.839
2 year +10% CC 360 minute summer	18.479	4.755	10 year +40% CC 60 minute summer	139.400	36.839
2 year +10% CC 360 minute winter	12.012	4.755	10 year +40% CC 60 minute winter	92.614	36.839
2 year +10% CC 480 minute summer	14.638	3.868	10 year +40% CC 120 minute summer	88.073	23.275
2 year +10% CC 480 minute winter	9.725	3.868	10 year +40% CC 120 minute winter	58.514	23.275

Rainfall

Event	Peak Intensity (mm/hr)	Average Intensity (mm/hr)	Event	Peak Intensity (mm/hr)	Average Intensity (mm/hr)
10 year +40% CC 180 minute summer	67.942	17.484	30 year +40% CC 600 minute summer	31.695	8.669
10 year +40% CC 180 minute winter	44.164	17.484	30 year +40% CC 600 minute winter	21.656	8.669
10 year +40% CC 240 minute summer	53.592	14.163	30 year +40% CC 720 minute summer	27.795	7.449
10 year +40% CC 240 minute winter	35.605	14.163	30 year +40% CC 720 minute winter	18.680	7.449
10 year +40% CC 360 minute summer	40.438	10.406	30 year +40% CC 960 minute summer	22.231	5.854
10 year +40% CC 360 minute winter	26.286	10.406	30 year +40% CC 960 minute winter	14.726	5.854
10 year +40% CC 480 minute summer	31.381	8.293	30 year +40% CC 1440 minute summer	15.511	4.157
10 year +40% CC 480 minute winter	20.849	8.293	30 year +40% CC 1440 minute winter	10.424	4.157
10 year +40% CC 600 minute summer	25.340	6.931	100 year +45% CC 15 minute summer	572.156	161.900
10 year +40% CC 600 minute winter	17.314	6.931	100 year +45% CC 15 minute winter	401.513	161.900
10 year +40% CC 720 minute summer	22.297	5.976	100 year +45% CC 30 minute summer	379.523	107.392
10 year +40% CC 720 minute winter	14.985	5.976	100 year +45% CC 30 minute winter	266.332	107.392
10 year +40% CC 960 minute summer	17.912	4.717	100 year +45% CC 60 minute summer	258.482	68.309
10 year +40% CC 960 minute winter	11.865	4.717	100 year +45% CC 60 minute winter	171.729	68.309
10 year +40% CC 1440 minute summer	12.606	3.379	100 year +45% CC 120 minute summer	153.020	40.439
10 year +40% CC 1440 minute winter	8.472	3.379	100 year +45% CC 120 minute winter	101.663	40.439
30 year +40% CC 15 minute summer	429.907	121.649	100 year +45% CC 180 minute summer	114.761	29.532
30 year +40% CC 15 minute winter	301.689	121.649	100 year +45% CC 180 minute winter	74.597	29.532
30 year +40% CC 30 minute summer	283.638	80.260	100 year +45% CC 240 minute summer	89.062	23.537
30 year +40% CC 30 minute winter	199.044	80.260	100 year +45% CC 240 minute winter	59.171	23.537
30 year +40% CC 60 minute summer	190.809	50.425	100 year +45% CC 360 minute summer	66.004	16.985
30 year +40% CC 60 minute winter	126.769	50.425	100 year +45% CC 360 minute winter	42.904	16.985
30 year +40% CC 120 minute summer	116.003	30.656	100 year +45% CC 480 minute summer	50.678	13.393
30 year +40% CC 120 minute winter	77.070	30.656	100 year +45% CC 480 minute winter	33.669	13.393
30 year +40% CC 180 minute summer	88.009	22.648	100 year +45% CC 600 minute summer	40.618	11.110
30 year +40% CC 180 minute winter	57.208	22.648	100 year +45% CC 600 minute winter	27.753	11.110
30 year +40% CC 240 minute summer	68.712	18.159	100 year +45% CC 720 minute summer	35.535	9.524
30 year +40% CC 240 minute winter	45.651	18.159	100 year +45% CC 720 minute winter	23.881	9.524
30 year +40% CC 360 minute summer	51.173	13.168	100 year +45% CC 960 minute summer	28.311	7.455
30 year +40% CC 360 minute winter	33.264	13.168	100 year +45% CC 960 minute winter	18.754	7.455
30 year +40% CC 480 minute summer	39.432	10.421	100 year +45% CC 1440 minute summer	19.617	5.258
30 year +40% CC 480 minute winter	26.198	10.421	100 year +45% CC 1440 minute winter	13.184	5.258

Rainfall

Event	Peak Intensity (mm/hr)	Average Intensity (mm/hr)	Event	Peak Intensity (mm/hr)	Average Intensity (mm/hr)
500 year +45% CC 15 minute summer	754.369	213.460	500 year +45% CC 360 minute summer	86.868	22.354
500 year +45% CC 15 minute winter	529.382	213.460	500 year +45% CC 360 minute winter	56.467	22.354
500 year +45% CC 30 minute summer	508.597	143.915	500 year +45% CC 480 minute summer	66.754	17.641
500 year +45% CC 30 minute winter	356.910	143.915	500 year +45% CC 480 minute winter	44.350	17.641
500 year +45% CC 60 minute summer	347.989	91.963	500 year +45% CC 600 minute summer	53.525	14.640
500 year +45% CC 60 minute winter	231.196	91.963	500 year +45% CC 600 minute winter	36.571	14.640
500 year +45% CC 120 minute summer	202.690	53.565	500 year +45% CC 720 minute summer	46.826	12.550
500 year +45% CC 120 minute winter	134.663	53.565	500 year +45% CC 720 minute winter	31.470	12.550
500 year +45% CC 180 minute summer	151.311	38.937	500 year +45% CC 960 minute summer	37.263	9.812
500 year +45% CC 180 minute winter	98.356	38.937	500 year +45% CC 960 minute winter	24.684	9.812
500 year +45% CC 240 minute summer	117.248	30.985	500 year +45% CC 1440 minute summer	25.693	6.886
500 year +45% CC 240 minute winter	77.897	30.985	500 year +45% CC 1440 minute winter	17.267	6.886

Results for 2 year +10% CC Critical Storm Duration. Lowest mass balance: 95.48%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	53	12	9.797	0.037	0.3	0.0000	0.0000	OK
15 minute summer	1.000:50%	12	9.797	0.053	1.9	0.1150	0.0000	OK
15 minute summer	52	12	9.776	0.048	1.6	0.0000	0.0000	OK
15 minute summer	51	1	9.900	0.000	0.0	0.0000	0.0000	OK
15 minute summer	3.000:50%	11	9.873	0.013	0.4	0.0000	0.0000	OK
15 minute summer	50	1	10.050	0.000	0.0	0.0000	0.0000	OK
15 minute summer	2.000:50%	10	9.952	0.017	0.6	0.0000	0.0000	OK
15 minute summer	SW-01	10	9.845	0.025	1.0	0.0096	0.0000	OK
180 minute summer	48	112	9.742	0.035	2.2	2.7743	0.0000	OK
15 minute summer	47	1	10.000	0.000	0.0	0.0000	0.0000	OK
15 minute summer	4.000:50%	10	9.935	0.026	1.3	0.0373	0.0000	OK
15 minute summer	46	1	9.950	0.000	0.0	0.0000	0.0000	OK
15 minute summer	5.000:50%	11	9.896	0.013	0.4	0.0099	0.0000	OK
15 minute summer	SW-02	11	9.845	0.028	1.6	0.0107	0.0000	OK
30 minute summer	44	19	9.729	0.043	1.8	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)
15 minute summer	53	1.000	1.000:50%	-0.3	-0.134	-0.092	0.0248	
15 minute summer	53	1.000	52	1.6	0.408	0.578	0.0289	
15 minute summer	52	1.001	48	1.6	0.646	0.582	0.0250	
15 minute summer	51	3.000	3.000:50%	0.0	0.000	0.000	0.0004	
15 minute summer	51	3.000	SW-01	0.4	0.395	0.037	0.0013	
15 minute summer	50	2.000	2.000:50%	0.0	0.000	0.000	0.0022	
15 minute summer	50	2.000	SW-01	0.6	0.506	0.061	0.0060	
15 minute summer	SW-01	2.001	48	1.0	0.760	0.130	0.0101	
180 minute summer	48	1.002	44	1.0	0.312	0.121	0.0320	
15 minute summer	47	4.000	4.000:50%	0.0	0.000	0.000	0.0035	
15 minute summer	47	4.000	SW-02	1.2	0.732	0.141	0.0074	
15 minute summer	46	5.000	5.000:50%	0.0	0.000	0.000	0.0005	
15 minute summer	46	5.000	SW-02	0.4	0.357	0.034	0.0021	
15 minute summer	SW-02	4.001	44	1.6	0.694	0.169	0.0122	
30 minute summer	44	1.003	42	1.7	0.640	0.212	0.0256	

Results for 2 year +10% CC Critical Storm Duration. Lowest mass balance: 95.48%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	43	12	9.711	0.016	0.1	0.0000	0.0000	OK
15 minute summer	6.000:50%	12	9.710	0.029	0.7	0.0000	0.0000	OK
720 minute winter	42	705	9.702	0.036	0.7	0.0000	0.0000	OK
720 minute winter	41	705	9.702	0.041	0.0	0.0000	0.0000	OK
720 minute winter	9.000:50%	705	9.701	0.049	0.1	0.0000	0.0000	OK
720 minute winter	40	705	9.702	0.058	1.7	4.8256	0.0000	OK
15 minute summer	39	1	9.980	0.000	0.0	0.0000	0.0000	OK
15 minute summer	10.000:50%	10	9.922	0.035	1.7	0.0000	0.0000	OK
15 minute summer	SW-04	10	9.825	0.031	1.7	0.0118	0.0000	OK
720 minute winter	37	705	9.702	0.066	1.8	0.0000	0.0000	OK
15 minute summer	36	1	9.980	0.000	0.0	0.0000	0.0000	OK
15 minute summer	11.000:50%	11	9.914	0.027	1.1	0.0000	0.0000	OK
15 minute summer	35	1	9.894	0.000	0.0	0.0000	0.0000	OK
30 minute summer	12.000:50%	18	9.863	0.019	0.7	0.0000	0.0000	OK
15 minute summer	SW-05	10	9.826	0.032	1.8	0.0122	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	43	6.000	6.000:50%	-0.1	-0.104	-0.040	0.0088	
15 minute summer	43	6.000	42	0.5	0.376	0.194	0.0103	
720 minute winter	42	1.004	54	0.7	0.154	0.011	0.0457	
720 minute winter	41	9.000	9.000:50%	0.0	-0.041	-0.008	0.0138	
720 minute winter	41	9.000	40	0.1	0.167	0.037	0.0172	
720 minute winter	40	1.006	37	1.6	0.223	0.025	0.1074	
15 minute summer	39	10.000	10.000:50%	0.0	0.000	0.000	0.0079	
15 minute summer	39	10.000	SW-04	1.7	0.748	0.231	0.0146	
15 minute summer	SW-04	10.001	37	1.7	0.860	0.189	0.0160	
720 minute winter	37	1.007	33	1.8	0.228	0.031	0.0682	
15 minute summer	36	11.000	11.000:50%	0.0	0.000	0.000	0.0062	
15 minute summer	36	11.000	SW-05	1.1	0.574	0.159	0.0137	
15 minute summer	35	12.000	12.000:50%	0.0	0.000	0.000	0.0010	
15 minute summer	35	12.000	SW-05	0.7	0.465	0.072	0.0031	
15 minute summer	SW-05	11.001	33	1.8	0.876	0.201	0.0171	

Results for 2 year +10% CC Critical Storm Duration. Lowest mass balance: 95.48%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute winter	33	705	9.702	0.070	2.0	0.0000	0.0000	OK
720 minute winter	32	705	9.702	0.058	0.0	0.0000	0.0000	OK
720 minute winter	13.000:50%	705	9.701	0.067	0.1	0.1933	0.0000	OK
720 minute winter	31	705	9.702	0.077	2.4	0.0000	0.0000	OK
720 minute winter	30	690	9.702	0.072	0.0	0.0000	0.0000	OK
720 minute winter	14.000:50%	690	9.702	0.081	0.1	0.0000	0.0000	OK
720 minute winter	29	705	9.702	0.090	2.7	0.0000	0.0000	OK
15 minute summer	28	1	9.880	0.000	0.0	0.0000	0.0000	OK
15 minute summer	16.000:50%	11	9.825	0.016	0.7	0.0000	0.0000	OK
15 minute summer	27	1	9.960	0.000	0.0	0.0000	0.0000	OK
15 minute summer	15.000:50%	11	9.874	0.025	1.1	0.0458	0.0000	OK
15 minute summer	SW-06	11	9.768	0.031	1.8	0.0118	0.0000	OK
720 minute winter	25	705	9.702	0.099	3.1	0.0000	0.0000	OK
15 minute summer	24	1	9.960	0.000	0.0	0.0000	0.0000	OK
15 minute summer	17.000:50%	11	9.872	0.023	0.8	0.0388	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)
720 minute winter	33	1.008	31	2.0	0.236	0.032	0.1165	
720 minute winter	32	13.000	13.000:50%	0.0	-0.035	-0.008	0.0227	
720 minute winter	32	13.000	31	0.1	0.139	0.036	0.0266	
720 minute winter	31	1.009	29	2.4	0.247	0.039	0.2524	
720 minute winter	30	14.000	14.000:50%	0.0	-0.030	-0.007	0.0265	
720 minute winter	30	14.000	29	0.1	0.109	0.031	0.0293	
720 minute winter	29	1.010	25	2.7	0.243	0.043	0.2046	
15 minute summer	28	16.000	16.000:50%	0.0	0.000	0.000	0.0007	
15 minute summer	28	16.000	SW-06	0.7	0.543	0.057	0.0025	
15 minute summer	27	15.000	15.000:50%	0.0	0.000	0.000	0.0053	
15 minute summer	27	15.000	SW-06	1.1	0.605	0.139	0.0122	
15 minute summer	SW-06	15.001	25	1.8	0.741	0.203	0.0175	
720 minute winter	25	1.011	21	3.0	0.252	0.045	0.1037	
15 minute summer	24	17.000	17.000:50%	0.0	0.000	0.000	0.0056	
15 minute summer	24	17.000	SW-07	0.8	0.629	0.110	0.0101	

Results for 2 year +10% CC Critical Storm Duration. Lowest mass balance: 95.48%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	SW-07	11	9.757	0.020	0.8	0.0076	0.0000	OK
720 minute winter	21	705	9.702	0.104	3.7	12.8566	0.0000	OK
720 minute winter	20	690	9.701	0.086	0.0	0.0000	0.0000	OK
720 minute winter	19.000:50%	705	9.702	0.103	0.1	0.0000	0.0000	SURCHARGED
720 minute winter	19	705	9.702	0.119	2.7	0.0000	0.0000	OK
15 minute summer	18	1	9.910	0.000	0.0	0.0000	0.0000	OK
15 minute summer	21.000:50%	11	9.833	0.022	0.7	0.0332	0.0000	OK
15 minute summer	17	1	9.930	0.000	0.0	0.0000	0.0000	OK
15 minute summer	20.000:50%	11	9.850	0.028	1.3	0.0594	0.0000	OK
15 minute summer	SW-08	11	9.745	0.032	1.9	0.0124	0.0000	OK
720 minute winter	15	705	9.702	0.130	2.8	0.0000	0.0000	OK
720 minute winter	14	705	9.702	0.110	0.0	0.0000	0.0000	SURCHARGED
720 minute winter	22.000:50%	705	9.701	0.126	0.1	0.7192	0.0000	SURCHARGED
720 minute winter	13	705	9.702	0.143	3.3	27.2935	0.0000	OK
15 minute summer	12	1	9.850	0.000	0.0	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)
15 minute summer	SW-07	18.000	21	0.8	0.537	0.085	0.0127	
720 minute winter	21	1.012	19	2.6	0.255	0.042	0.3934	
720 minute winter	20	19.000	19.000:50%	0.0	-0.025	0.009	0.0562	
720 minute winter	20	19.000	19	0.1	0.170	0.037	0.0586	
720 minute winter	19	1.013	15	2.6	0.240	0.042	0.3091	
15 minute summer	18	21.000	21.000:50%	0.0	0.000	0.000	0.0050	
15 minute summer	18	21.000	SW-08	0.7	0.403	0.102	0.0137	
15 minute summer	17	20.000	20.000:50%	0.0	0.000	0.000	0.0076	
15 minute summer	17	20.000	SW-08	1.2	0.605	0.175	0.0166	
15 minute summer	SW-08	20.001	15	1.9	0.874	0.211	0.0153	
720 minute winter	15	1.014	13	2.8	0.208	0.045	0.4188	
720 minute winter	14	22.000	22.000:50%	0.0	-0.016	-0.009	0.0597	
720 minute winter	14	22.000	13	0.1	0.163	0.036	0.0597	
720 minute winter	13	1.015	10	1.3	0.172	0.021	0.4932	
15 minute summer	12	23.000	23.000:50%	0.0	0.000	0.000	0.0035	

Results for 2 year +10% CC Critical Storm Duration. Lowest mass balance: 95.48%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	23.000:50%	11	9.736	0.023	1.1	0.0320	0.0000	OK
720 minute winter	SW-09	690	9.702	0.125	0.1	0.0479	0.0000	SURCHARGED
720 minute winter	10	705	9.702	0.157	1.5	10.9777	0.0000	SURCHARGED
15 minute summer	9	1	9.750	0.000	0.0	0.0000	0.0000	OK
720 minute winter	27.000:50%	705	9.701	0.035	0.2	0.0903	0.0000	OK
720 minute winter	SW-13	705	9.702	0.119	0.2	0.0457	0.0000	SURCHARGED
15 minute summer	7	1	9.825	0.000	0.0	0.0000	0.0000	OK
15 minute summer	28.000:50%	11	9.721	0.013	0.4	0.0109	0.0000	OK
15 minute summer	6	1	9.765	0.000	0.0	0.0000	0.0000	OK
720 minute winter	29.000:50%	705	9.701	0.024	0.1	0.0000	0.0000	OK
720 minute winter	SW-12	705	9.702	0.112	0.2	0.0430	0.0000	SURCHARGED
720 minute winter	4	705	9.702	0.200	1.3	14.2123	0.0000	OK
720 minute winter	SW-14 (HYDRO)	705	9.702	0.212	0.2	0.3740	0.0000	OK
720 minute winter	SW-15	705	9.701	0.302	0.2	0.5345	0.0000	SURCHARGED
15 minute summer	DITCH HEADWALL	1	9.869	0.521	0.0	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)
15 minute summer	12	23.000	SW-09	1.1	0.597	0.112	0.0098	
720 minute winter	SW-09	23.001	10	0.1	0.116	0.031	0.0450	
720 minute winter	10	1.016	64	0.7	0.147	0.011	0.5803	
15 minute summer	9	27.000	27.000:50%	0.0	0.000	0.000	0.0053	
15 minute summer	9	27.000	SW-13	1.7	0.693	0.213	0.0118	
720 minute winter	SW-13	27.001	4	0.2	0.065	0.038	0.0626	
15 minute summer	7	28.000	28.000:50%	0.0	0.000	0.000	0.0010	
15 minute summer	7	28.000	SW-12	0.4	0.354	0.036	0.0041	
15 minute summer	6	29.000	29.000:50%	0.0	0.000	0.000	0.0006	
15 minute summer	6	29.000	SW-12	0.9	0.735	0.058	0.0018	
720 minute winter	SW-12	28.001	4	0.2	0.033	0.019	0.0374	
720 minute winter	4	1.020	SW-14 (HYDRO)	0.2	0.031	0.002	0.6106	
720 minute winter	SW-14 (HYDRO)	Hydro-Brake®	SW-15	0.2				
720 minute winter	SW-15	1.022	DITCH HEADWALL	0.0	0.000	0.000	1.5848	0.0

Results for 2 year +10% CC Critical Storm Duration. Lowest mass balance: 95.48%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute winter	54	705	9.702	0.041	1.0	0.0000	0.0000	OK
15 minute summer	SW-03	11	9.790	0.036	2.3	0.0137	0.0000	OK
15 minute summer	56	11	9.992	0.022	0.8	0.0000	0.0000	OK
15 minute summer	7.001:50%	11	9.896	0.034	1.7	0.0000	0.0000	OK
15 minute summer	57	11	10.006	0.006	0.0	0.0000	0.0000	OK
15 minute summer	7.000:50%	10	10.006	0.021	0.9	0.0000	0.0000	OK
15 minute summer	58	1	9.890	0.000	0.0	0.0000	0.0000	OK
15 minute summer	8.000:50%	10	9.837	0.015	0.6	0.0000	0.0000	OK
720 minute winter	59	705	9.702	0.187	0.8	0.0000	0.0000	SURCHARGED
720 minute winter	SW-11	690	9.702	0.098	0.1	0.0377	0.0000	OK
720 minute winter	26.001:50%	705	9.701	0.142	0.1	0.0000	0.0000	SURCHARGED
15 minute summer	61	1	9.800	0.000	0.0	0.0000	0.0000	OK
15 minute summer	26.000:50%	11	9.716	0.014	0.4	0.0130	0.0000	OK
720 minute winter	62	705	9.702	0.179	0.7	0.0000	0.0000	SURCHARGED
720 minute winter	63	705	9.702	0.150	0.2	0.0000	0.0000	SURCHARGED

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute winter	54	1.005	40	1.0	0.165	0.016	0.1938	
15 minute summer	SW-03	7.002	54	2.3	1.131	0.222	0.0066	
15 minute summer	56	7.001	7.001:50%	0.8	0.462	0.110	0.0125	
15 minute summer	56	7.001	SW-03	1.7	0.719	0.228	0.0166	
15 minute summer	57	7.000	7.000:50%	0.0	-0.086	0.005	0.0006	
15 minute summer	57	7.000	56	0.8	0.667	0.099	0.0010	
15 minute summer	58	8.000	8.000:50%	0.0	0.000	0.000	0.0007	
15 minute summer	58	8.000	SW-03	0.6	0.404	0.049	0.0029	
720 minute winter	59	1.019	4	1.1	0.110	0.014	0.4019	
720 minute winter	SW-11	26.001	26.001:50%	-0.1	-0.034	-0.011	0.0204	
720 minute winter	SW-11	26.001	59	0.3	0.057	0.037	0.0205	
15 minute summer	61	26.000	26.000:50%	0.0	0.000	0.000	0.0015	
15 minute summer	61	26.000	SW-11	0.4	0.552	0.043	0.0031	
720 minute winter	62	1.018	59	0.8	0.141	0.013	0.3305	
720 minute winter	63	25.000	25.000:50%	-0.2	-0.046	-0.085	0.0534	

Results for 2 year +10% CC Critical Storm Duration. Lowest mass balance: 95.48%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute winter	25.000:50%	705	9.701	0.164	0.2	0.0000	0.0000	SURCHARGED
720 minute winter	64	705	9.702	0.172	1.3	0.0000	0.0000	SURCHARGED
720 minute winter	SW-10	705	9.702	0.087	0.5	0.0334	0.0000	OK
720 minute winter	24.002:50%	705	9.701	0.129	0.3	0.7958	0.0000	SURCHARGED
15 minute summer	66	1	9.800	0.000	0.0	0.0000	0.0000	OK
15 minute summer	24.001:50%	11	9.730	0.022	0.9	0.0315	0.0000	OK
15 minute summer	PLOT 1	11	9.878	0.028	2.4	0.2800	0.0000	OK
15 minute summer	PLOT 4	12	9.827	0.027	2.6	0.3626	0.0000	OK
15 minute summer	PLOT 3	11	9.823	0.023	1.7	0.1926	0.0000	OK
15 minute summer	PLOT 2	11	9.775	0.025	1.7	0.1828	0.0000	OK
15 minute summer	PLOT 5	12	9.779	0.029	2.9	0.4777	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)
720 minute winter	63	25.000	62	0.2	0.030	0.063	0.0534	
720 minute winter	64	1.017	62	0.7	0.143	0.010	0.2765	
720 minute winter	SW-10	24.002	24.002:50%	-0.4	0.370	-0.043	0.0146	
720 minute winter	SW-10	24.002	64	0.8	0.223	0.091	0.0152	
15 minute summer	66	24.001	24.001:50%	0.0	0.000	0.000	0.0030	
15 minute summer	66	24.001	SW-10	0.9	0.709	0.105	0.0059	
15 minute summer	PLOT 1	10.000_1	40	2.1	1.275	0.167	0.0086	
15 minute summer	PLOT 4	15.000_1	31	2.1	0.900	0.157	0.0088	
15 minute summer	PLOT 3	17.000_1	29	1.4	0.724	0.116	0.0110	
15 minute summer	PLOT 2	20.000_1	25	1.5	0.636	0.133	0.0108	
15 minute summer	PLOT 5	22.000_1	21	2.2	1.053	0.187	0.0101	

Results for 10 year +40% CC Critical Storm Duration. Lowest mass balance: 95.48%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	53	12	9.847	0.087	0.4	0.0000	0.0000	OK
15 minute summer	1.000:50%	12	9.847	0.103	5.5	0.4382	0.0000	SURCHARGED
1440 minute winter	52	1410	9.833	0.105	0.2	0.0000	0.0000	SURCHARGED
15 minute summer	51	1	9.900	0.000	0.0	0.0000	0.0000	OK
15 minute summer	3.000:50%	10	9.884	0.024	1.2	0.0000	0.0000	OK
15 minute summer	50	1	10.050	0.000	0.0	0.0000	0.0000	OK
15 minute summer	2.000:50%	10	9.963	0.028	1.6	0.0000	0.0000	OK
15 minute summer	SW-01	10	9.863	0.043	2.8	0.0166	0.0000	OK
1440 minute winter	48	1440	9.833	0.126	0.9	14.0726	0.0000	OK
15 minute summer	47	1	10.000	0.000	0.0	0.0000	0.0000	OK
15 minute summer	4.000:50%	11	9.956	0.047	3.7	0.1225	0.0000	OK
15 minute summer	46	1	9.950	0.000	0.0	0.0000	0.0000	OK
15 minute summer	5.000:50%	11	9.903	0.020	1.0	0.0241	0.0000	OK
15 minute summer	SW-02	11	9.869	0.052	4.6	0.0199	0.0000	OK
1440 minute winter	44	1440	9.833	0.147	0.8	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)
15 minute summer	53	1.000	1.000:50%	-0.4	-0.136	-0.149	0.0550	
15 minute summer	53	1.000	52	4.3	0.561	1.539	0.0543	
1440 minute winter	52	1.001	48	0.2	0.189	0.073	0.0765	
15 minute summer	51	3.000	3.000:50%	0.0	0.000	0.000	0.0009	
15 minute summer	51	3.000	SW-01	1.2	0.513	0.108	0.0029	
15 minute summer	50	2.000	2.000:50%	0.0	0.000	0.000	0.0045	
15 minute summer	50	2.000	SW-01	1.6	0.632	0.171	0.0125	
15 minute summer	SW-01	2.001	48	2.7	1.035	0.366	0.0236	
1440 minute winter	48	1.002	44	0.6	0.246	0.077	0.1588	
15 minute summer	47	4.000	4.000:50%	0.0	0.000	0.000	0.0079	
15 minute summer	47	4.000	SW-02	3.6	0.922	0.404	0.0167	
15 minute summer	46	5.000	5.000:50%	0.0	0.000	0.000	0.0010	
15 minute summer	46	5.000	SW-02	1.0	0.415	0.084	0.0045	
15 minute summer	SW-02	4.001	44	4.6	0.989	0.469	0.0237	
1440 minute winter	44	1.003	42	0.8	0.493	0.100	0.1590	

Results for 10 year +40% CC Critical Storm Duration. Lowest mass balance: 95.48%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute winter	43	1440	9.833	0.138	0.0	0.0000	0.0000	SURCHARGED
1440 minute winter	6.000:50%	1440	9.833	0.153	0.1	0.0000	0.0000	SURCHARGED
1440 minute winter	42	1440	9.833	0.167	0.9	0.0000	0.0000	SURCHARGED
1440 minute winter	41	1410	9.834	0.173	0.0	0.0000	0.0000	SURCHARGED
1440 minute winter	9.000:50%	1410	9.833	0.180	0.1	0.0000	0.0000	SURCHARGED
1440 minute winter	40	1440	9.833	0.189	1.9	18.6018	0.0000	SURCHARGED
15 minute summer	39	1	9.980	0.000	0.0	0.0000	0.0000	OK
15 minute summer	10.000:50%	10	9.952	0.065	4.7	0.0000	0.0000	OK
15 minute summer	SW-04	10	9.849	0.055	4.6	0.0213	0.0000	OK
1440 minute winter	37	1440	9.833	0.197	1.6	0.0000	0.0000	SURCHARGED
15 minute summer	36	1	9.980	0.000	0.0	0.0000	0.0000	OK
15 minute summer	11.000:50%	10	9.936	0.049	3.1	0.0000	0.0000	OK
15 minute summer	35	1	9.894	0.000	0.0	0.0000	0.0000	OK
15 minute summer	12.000:50%	10	9.880	0.036	2.1	0.0000	0.0000	OK
15 minute summer	SW-05	10	9.852	0.058	5.2	0.0225	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)
1440 minute winter	43	6.000	6.000:50%	0.0	-0.017	-0.009	0.0517	
1440 minute winter	43	6.000	42	0.1	0.254	0.044	0.0517	
1440 minute winter	42	1.004	54	0.9	0.134	0.014	0.2035	
1440 minute winter	41	9.000	9.000:50%	0.0	-0.012	0.012	0.0318	
1440 minute winter	41	9.000	40	0.1	0.058	0.035	0.0318	
1440 minute winter	40	1.006	37	1.4	0.192	0.022	0.3372	
15 minute summer	39	10.000	10.000:50%	0.0	0.000	0.000	0.0175	
15 minute summer	39	10.000	SW-04	4.6	0.948	0.643	0.0319	
15 minute summer	SW-04	10.001	37	4.6	1.093	0.524	0.0400	
1440 minute winter	37	1.007	33	1.6	0.190	0.027	0.2011	
15 minute summer	36	11.000	11.000:50%	0.0	0.000	0.000	0.0137	
15 minute summer	36	11.000	SW-05	3.1	0.714	0.444	0.0306	
15 minute summer	35	12.000	12.000:50%	0.0	0.000	0.000	0.0025	
15 minute summer	35	12.000	SW-05	2.1	0.572	0.215	0.0072	
15 minute summer	SW-05	11.001	33	5.1	1.115	0.567	0.0411	

Results for 10 year +40% CC Critical Storm Duration. Lowest mass balance: 95.48%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute winter	33	1440	9.833	0.201	1.8	0.0000	0.0000	SURCHARGED
1440 minute winter	32	1440	9.833	0.189	0.0	0.0000	0.0000	SURCHARGED
1440 minute winter	13.000:50%	1440	9.833	0.198	0.1	1.7432	0.0000	SURCHARGED
1440 minute winter	31	1440	9.833	0.208	2.3	0.0000	0.0000	SURCHARGED
1440 minute winter	30	1440	9.833	0.203	0.0	0.0000	0.0000	SURCHARGED
1440 minute winter	14.000:50%	1440	9.833	0.212	0.1	0.0000	0.0000	SURCHARGED
1440 minute winter	29	1440	9.833	0.221	2.5	0.0000	0.0000	SURCHARGED
15 minute summer	28	1	9.880	0.000	0.0	0.0000	0.0000	OK
15 minute summer	16.000:50%	10	9.838	0.030	2.1	0.0000	0.0000	OK
15 minute summer	27	1	9.960	0.000	0.0	0.0000	0.0000	OK
15 minute summer	15.000:50%	11	9.892	0.044	3.1	0.1429	0.0000	OK
1440 minute winter	SW-06	1440	9.834	0.097	0.2	0.0372	0.0000	OK
1440 minute winter	25	1440	9.833	0.230	3.6	0.0000	0.0000	SURCHARGED
15 minute summer	24	1	9.960	0.000	0.0	0.0000	0.0000	OK
15 minute summer	17.000:50%	11	9.889	0.040	2.3	0.1188	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)
1440 minute winter	33	1.008	31	1.8	0.207	0.029	0.3265	
1440 minute winter	32	13.000	13.000:50%	0.0	-0.027	0.011	0.0347	
1440 minute winter	32	13.000	31	0.3	0.041	0.104	0.0347	
1440 minute winter	31	1.009	29	2.3	0.202	0.037	0.6524	
1440 minute winter	30	14.000	14.000:50%	0.0	-0.031	-0.016	0.0324	
1440 minute winter	30	14.000	29	0.1	0.018	0.040	0.0324	
1440 minute winter	29	1.010	25	2.5	0.186	0.040	0.4910	
15 minute summer	28	16.000	16.000:50%	0.0	0.000	0.000	0.0017	
15 minute summer	28	16.000	SW-06	2.1	0.665	0.170	0.0059	
15 minute summer	27	15.000	15.000:50%	0.0	0.000	0.000	0.0112	
15 minute summer	27	15.000	SW-06	3.0	0.752	0.382	0.0274	
1440 minute winter	SW-06	15.001	25	0.2	0.277	0.023	0.0501	
1440 minute winter	25	1.011	21	3.6	0.193	0.054	0.2388	
15 minute summer	24	17.000	17.000:50%	0.0	0.000	0.000	0.0119	
15 minute summer	24	17.000	SW-07	2.2	0.832	0.305	0.0212	

Results for 10 year +40% CC Critical Storm Duration. Lowest mass balance: 95.48%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute winter	SW-07	1440	9.833	0.096	0.1	0.0371	0.0000	OK
1440 minute winter	21	1440	9.833	0.235	3.9	31.6390	0.0000	SURCHARGED
1440 minute winter	20	1410	9.833	0.218	0.0	0.0000	0.0000	SURCHARGED
1440 minute winter	19.000:50%	1410	9.834	0.235	0.1	0.0000	0.0000	SURCHARGED
1440 minute winter	19	1440	9.833	0.250	2.0	0.0000	0.0000	SURCHARGED
15 minute summer	18	1	9.910	0.000	0.0	0.0000	0.0000	OK
15 minute summer	21.000:50%	11	9.849	0.037	2.1	0.1026	0.0000	OK
15 minute summer	17	1	9.930	0.000	0.0	0.0000	0.0000	OK
15 minute summer	20.000:50%	11	9.873	0.051	3.7	0.1997	0.0000	OK
1440 minute winter	SW-08	1410	9.833	0.120	0.3	0.0464	0.0000	SURCHARGED
1440 minute winter	15	1440	9.833	0.261	2.3	0.0000	0.0000	SURCHARGED
1440 minute winter	14	1440	9.833	0.241	0.0	0.0000	0.0000	SURCHARGED
1440 minute winter	22.000:50%	1440	9.833	0.257	0.2	3.0192	0.0000	SURCHARGED
1440 minute winter	13	1440	9.833	0.274	2.7	55.7978	0.0000	SURCHARGED
15 minute summer	12	1	9.850	0.000	0.0	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)
1440 minute winter	SW-07	18.000	21	0.1	0.124	0.011	0.0495	
1440 minute winter	21	1.012	19	1.9	0.194	0.031	0.8598	
1440 minute winter	20	19.000	19.000:50%	0.0	-0.011	0.009	0.0586	
1440 minute winter	20	19.000	19	0.1	0.128	0.036	0.0586	
1440 minute winter	19	1.013	15	2.0	0.159	0.031	0.6373	
15 minute summer	18	21.000	21.000:50%	0.0	0.000	0.000	0.0106	
15 minute summer	18	21.000	SW-08	2.0	0.525	0.295	0.0302	
15 minute summer	17	20.000	20.000:50%	0.0	0.000	0.000	0.0167	
15 minute summer	17	20.000	SW-08	3.4	0.765	0.492	0.0369	
1440 minute winter	SW-08	20.001	15	0.3	0.148	0.034	0.0508	
1440 minute winter	15	1.014	13	2.2	0.150	0.036	0.8240	
1440 minute winter	14	22.000	22.000:50%	0.0	-0.009	0.006	0.0597	
1440 minute winter	14	22.000	13	0.1	0.036	0.035	0.0597	
1440 minute winter	13	1.015	10	0.9	0.164	0.014	0.9276	
15 minute summer	12	23.000	23.000:50%	0.0	0.000	0.000	0.0076	

Results for 10 year +40% CC Critical Storm Duration. Lowest mass balance: 95.48%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute winter	23.000:50%	1440	9.833	0.119	0.1	0.8889	0.0000	SURCHARGED
1440 minute winter	SW-09	1410	9.833	0.256	0.1	0.0987	0.0000	SURCHARGED
1440 minute winter	10	1440	9.833	0.288	1.1	20.9259	0.0000	SURCHARGED
1440 minute winter	9	1410	9.833	0.083	0.0	0.0000	0.0000	OK
1440 minute winter	27.000:50%	1440	9.833	0.166	0.2	2.0741	0.0000	SURCHARGED
1440 minute winter	SW-13	1440	9.833	0.250	0.2	0.0964	0.0000	SURCHARGED
1440 minute winter	7	1440	9.834	0.009	0.0	0.0000	0.0000	OK
1440 minute winter	28.000:50%	1440	9.833	0.126	0.1	1.0182	0.0000	SURCHARGED
1440 minute winter	6	1440	9.833	0.068	0.0	0.0000	0.0000	OK
1440 minute winter	29.000:50%	1440	9.833	0.155	0.6	0.0000	0.0000	SURCHARGED
1440 minute winter	SW-12	1440	9.833	0.243	1.3	0.0937	0.0000	SURCHARGED
1440 minute winter	4	1440	9.833	0.331	0.9	21.8413	0.0000	SURCHARGED
1440 minute winter	SW-14 (HYDRO)	1410	9.833	0.343	0.1	0.6067	0.0000	FLOOD RISK
1440 minute winter	SW-15	1440	9.833	0.434	0.1	0.7676	0.0000	FLOOD RISK
15 minute summer	DITCH HEADWALL	1	9.869	0.521	0.0	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)
15 minute summer	12	23.000	SW-09	3.1	0.808	0.320	0.0206	
1440 minute winter	SW-09	23.001	10	0.1	0.032	0.021	0.0450	
1440 minute winter	10	1.016	64	0.7	0.157	0.011	1.0464	
1440 minute winter	9	27.000	27.000:50%	0.0	-0.004	-0.004	0.0350	
1440 minute winter	9	27.000	SW-13	0.2	0.317	0.025	0.0370	
1440 minute winter	SW-13	27.001	4	0.2	0.031	0.032	0.0626	
1440 minute winter	7	28.000	28.000:50%	0.0	0.006	0.003	0.0143	
1440 minute winter	7	28.000	SW-12	-0.1	-0.026	-0.013	0.0275	
1440 minute winter	6	29.000	29.000:50%	0.0	-0.006	0.002	0.0092	
1440 minute winter	6	29.000	SW-12	1.2	0.218	0.075	0.0107	
1440 minute winter	SW-12	28.001	4	0.2	0.027	0.027	0.0374	
1440 minute winter	4	1.020	SW-14 (HYDRO)	0.1	0.025	0.001	1.0017	
1440 minute winter	SW-14 (HYDRO)	Hydro-Brake®	SW-15	0.1				
1440 minute winter	SW-15	1.022	DITCH HEADWALL	0.0	0.000	0.000	1.8386	0.0

Results for 10 year +40% CC Critical Storm Duration. Lowest mass balance: 95.48%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute winter	54	1440	9.833	0.172	1.2	0.0000	0.0000	SURCHARGED
1440 minute winter	SW-03	1440	9.833	0.079	0.3	0.0306	0.0000	OK
15 minute summer	56	11	10.009	0.039	2.5	0.0000	0.0000	OK
15 minute summer	7.001:50%	10	9.927	0.065	5.0	0.0000	0.0000	OK
15 minute summer	57	10	10.023	0.023	0.2	0.0000	0.0000	OK
15 minute summer	7.000:50%	10	10.023	0.038	2.5	0.0000	0.0000	OK
15 minute summer	58	1	9.890	0.000	0.0	0.0000	0.0000	OK
15 minute summer	8.000:50%	10	9.847	0.025	1.6	0.0000	0.0000	OK
1440 minute winter	59	1440	9.833	0.318	0.6	0.0000	0.0000	SURCHARGED
1440 minute winter	SW-11	1440	9.833	0.229	0.1	0.0883	0.0000	SURCHARGED
1440 minute winter	26.001:50%	1440	9.833	0.273	0.1	0.0000	0.0000	SURCHARGED
1440 minute winter	61	1440	9.833	0.033	0.0	0.0000	0.0000	OK
1440 minute winter	26.000:50%	1440	9.833	0.131	0.1	1.1038	0.0000	SURCHARGED
1440 minute winter	62	1440	9.833	0.310	0.6	0.0000	0.0000	SURCHARGED
1440 minute winter	63	1380	9.833	0.281	0.0	0.0000	0.0000	SURCHARGED

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute winter	54	1.005	40	1.1	0.143	0.018	0.7134	
1440 minute winter	SW-03	7.002	54	0.3	0.644	0.031	0.0238	
15 minute summer	56	7.001	7.001:50%	2.4	0.595	0.322	0.0282	
15 minute summer	56	7.001	SW-03	5.0	0.906	0.657	0.0379	
15 minute summer	57	7.000	7.000:50%	0.2	0.173	0.025	0.0016	
15 minute summer	57	7.000	56	2.5	0.892	0.292	0.0021	
15 minute summer	58	8.000	8.000:50%	0.0	0.000	0.000	0.0014	
15 minute summer	58	8.000	SW-03	1.6	0.496	0.134	0.0064	
1440 minute winter	59	1.019	4	0.6	0.101	0.008	0.6761	
1440 minute winter	SW-11	26.001	26.001:50%	-0.1	-0.014	-0.014	0.0205	
1440 minute winter	SW-11	26.001	59	-0.1	-0.015	-0.015	0.0205	
1440 minute winter	61	26.000	26.000:50%	0.0	-0.003	-0.002	0.0217	
1440 minute winter	61	26.000	SW-11	-0.1	-0.014	-0.011	0.0336	
1440 minute winter	62	1.018	59	0.6	0.143	0.009	0.5689	
1440 minute winter	63	25.000	25.000:50%	0.1	0.011	0.030	0.0534	

Results for 10 year +40% CC Critical Storm Duration. Lowest mass balance: 95.48%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute winter	25.000:50%	1410	9.833	0.295	0.2	0.0000	0.0000	SURCHARGED
1440 minute winter	64	1440	9.833	0.303	0.7	0.0000	0.0000	SURCHARGED
1440 minute winter	SW-10	1440	9.833	0.218	0.5	0.0841	0.0000	SURCHARGED
1440 minute winter	24.002:50%	1440	9.833	0.260	0.4	3.2606	0.0000	SURCHARGED
1440 minute winter	66	1410	9.833	0.033	0.0	0.0000	0.0000	OK
1440 minute winter	24.001:50%	1440	9.833	0.125	0.1	1.0167	0.0000	SURCHARGED
15 minute summer	PLOT 1	11	9.900	0.050	6.8	0.5674	0.0000	OK
15 minute summer	PLOT 4	11	9.849	0.049	7.3	0.7921	0.0000	OK
15 minute summer	PLOT 3	11	9.841	0.041	4.7	0.3978	0.0000	OK
1440 minute winter	PLOT 2	1410	9.833	0.083	0.4	0.7407	0.0000	OK
1440 minute winter	PLOT 5	1440	9.833	0.083	1.0	1.7409	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)
1440 minute winter	63	25.000	62	0.1	0.014	0.038	0.0534	
1440 minute winter	64	1.017	62	0.6	0.150	0.010	0.4847	
1440 minute winter	SW-10	24.002	24.002:50%	-0.4	-0.115	-0.050	0.0152	
1440 minute winter	SW-10	24.002	64	0.2	0.032	0.021	0.0152	
1440 minute winter	66	24.001	24.001:50%	0.0	-0.005	-0.004	0.0237	
1440 minute winter	66	24.001	SW-10	0.1	0.369	0.012	0.0367	
15 minute summer	PLOT 1	10.000_1	40	6.4	1.631	0.503	0.0230	
15 minute summer	PLOT 4	15.000_1	31	6.4	1.259	0.484	0.0203	
15 minute summer	PLOT 3	17.000_1	29	4.4	0.898	0.356	0.0236	
1440 minute winter	PLOT 2	20.000_1	25	1.0	0.350	0.088	0.0323	
1440 minute winter	PLOT 5	22.000_1	21	1.1	0.523	0.092	0.0307	

Results for 30 year +40% CC Critical Storm Duration. Lowest mass balance: 95.48%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute winter	53	1410	9.897	0.137	0.0	0.0000	0.0000	SURCHARGED
1440 minute winter	1.000:50%	1410	9.897	0.153	0.3	0.9649	0.0000	SURCHARGED
1440 minute winter	52	1410	9.897	0.169	0.3	0.0000	0.0000	SURCHARGED
15 minute summer	51	1	9.900	0.000	0.0	0.0000	0.0000	OK
1440 minute winter	3.000:50%	1380	9.897	0.037	0.1	0.0000	0.0000	OK
15 minute summer	50	1	10.050	0.000	0.0	0.0000	0.0000	OK
15 minute summer	2.000:50%	10	9.967	0.032	2.1	0.0000	0.0000	OK
1440 minute winter	SW-01	1380	9.897	0.077	0.2	0.0295	0.0000	OK
1440 minute winter	48	1410	9.897	0.190	1.2	21.8845	0.0000	SURCHARGED
15 minute summer	47	1	10.000	0.000	0.0	0.0000	0.0000	OK
15 minute summer	4.000:50%	11	9.965	0.057	4.9	0.1772	0.0000	OK
15 minute summer	46	1	9.950	0.000	0.0	0.0000	0.0000	OK
15 minute summer	5.000:50%	10	9.906	0.023	1.4	0.0326	0.0000	OK
1440 minute winter	SW-02	1410	9.897	0.080	0.3	0.0307	0.0000	OK
1440 minute winter	44	1410	9.897	0.211	1.0	0.0000	0.0000	SURCHARGED

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute winter	53	1.000	1.000:50%	0.0	-0.009	-0.008	0.0571	
1440 minute winter	53	1.000	52	0.3	0.235	0.108	0.0571	
1440 minute winter	52	1.001	48	0.3	0.198	0.109	0.0765	
15 minute summer	51	3.000	3.000:50%	0.0	0.000	0.000	0.0012	
15 minute summer	51	3.000	SW-01	1.6	0.547	0.145	0.0036	
15 minute summer	50	2.000	2.000:50%	0.0	0.000	0.000	0.0054	
15 minute summer	50	2.000	SW-01	2.1	0.679	0.225	0.0153	
1440 minute winter	SW-01	2.001	48	0.2	0.190	0.027	0.0534	
1440 minute winter	48	1.002	44	0.7	0.252	0.083	0.1675	
15 minute summer	47	4.000	4.000:50%	0.0	0.000	0.000	0.0099	
15 minute summer	47	4.000	SW-02	4.7	0.964	0.535	0.0212	
15 minute summer	46	5.000	5.000:50%	0.0	0.000	0.000	0.0012	
15 minute summer	46	5.000	SW-02	1.4	0.436	0.114	0.0057	
1440 minute winter	SW-02	4.001	44	0.3	0.214	0.031	0.0370	
1440 minute winter	44	1.003	42	1.0	0.494	0.118	0.1593	

Results for 30 year +40% CC Critical Storm Duration. Lowest mass balance: 95.48%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute winter	43	1410	9.897	0.202	0.0	0.0000	0.0000	SURCHARGED
1440 minute winter	6.000:50%	1410	9.896	0.216	0.1	0.0000	0.0000	SURCHARGED
1440 minute winter	42	1410	9.897	0.231	1.0	0.0000	0.0000	SURCHARGED
1440 minute winter	41	1380	9.897	0.236	0.0	0.0000	0.0000	SURCHARGED
1440 minute winter	9.000:50%	1410	9.896	0.244	0.1	0.0000	0.0000	SURCHARGED
1440 minute winter	40	1410	9.897	0.253	2.2	25.2168	0.0000	SURCHARGED
15 minute summer	39	1	9.980	0.000	0.0	0.0000	0.0000	OK
15 minute summer	10.000:50%	10	9.968	0.081	6.3	0.0000	0.0000	OK
1440 minute winter	SW-04	1410	9.897	0.103	0.3	0.0396	0.0000	SURCHARGED
1440 minute winter	37	1410	9.897	0.261	1.4	0.0000	0.0000	SURCHARGED
15 minute summer	36	1	9.980	0.000	0.0	0.0000	0.0000	OK
15 minute summer	11.000:50%	10	9.948	0.061	4.2	0.0000	0.0000	OK
1440 minute winter	35	1410	9.897	0.003	0.0	0.0000	0.0000	OK
1440 minute winter	12.000:50%	1410	9.897	0.053	0.1	0.0000	0.0000	OK
1440 minute winter	SW-05	1410	9.897	0.103	0.3	0.0395	0.0000	SURCHARGED

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute winter	43	6.000	6.000:50%	0.0	-0.025	0.011	0.0517	
1440 minute winter	43	6.000	42	0.1	0.249	0.036	0.0517	
1440 minute winter	42	1.004	54	1.0	0.141	0.017	0.2793	
1440 minute winter	41	9.000	9.000:50%	0.0	-0.024	-0.015	0.0318	
1440 minute winter	41	9.000	40	0.1	0.083	0.041	0.0318	
1440 minute winter	40	1.006	37	1.2	0.196	0.019	0.4475	
15 minute summer	39	10.000	10.000:50%	0.0	0.000	0.000	0.0223	
15 minute summer	39	10.000	SW-04	6.2	0.993	0.859	0.0406	
1440 minute winter	SW-04	10.001	37	0.3	0.391	0.034	0.0588	
1440 minute winter	37	1.007	33	1.4	0.196	0.024	0.2650	
15 minute summer	36	11.000	11.000:50%	0.0	0.000	0.000	0.0177	
15 minute summer	36	11.000	SW-05	4.1	0.748	0.599	0.0393	
1440 minute winter	35	12.000	12.000:50%	0.0	-0.009	-0.002	0.0042	
1440 minute winter	35	12.000	SW-05	0.2	0.299	0.025	0.0118	
1440 minute winter	SW-05	11.001	33	0.3	0.433	0.033	0.0575	

Results for 30 year +40% CC Critical Storm Duration. Lowest mass balance: 95.48%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute winter	33	1410	9.897	0.265	1.6	0.0000	0.0000	SURCHARGED
1440 minute winter	32	1380	9.897	0.253	0.0	0.0000	0.0000	SURCHARGED
1440 minute winter	13.000:50%	1410	9.896	0.262	0.4	3.0398	0.0000	SURCHARGED
1440 minute winter	31	1410	9.897	0.272	2.0	0.0000	0.0000	SURCHARGED
1440 minute winter	30	1410	9.897	0.267	0.1	0.0000	0.0000	SURCHARGED
1440 minute winter	14.000:50%	1410	9.897	0.276	0.1	0.0000	0.0000	SURCHARGED
1440 minute winter	29	1410	9.897	0.285	2.3	0.0000	0.0000	SURCHARGED
1440 minute winter	28	1410	9.897	0.017	0.0	0.0000	0.0000	OK
1440 minute winter	16.000:50%	1410	9.896	0.088	0.4	0.0000	0.0000	OK
15 minute summer	27	1	9.960	0.000	0.0	0.0000	0.0000	OK
15 minute summer	15.000:50%	11	9.901	0.053	4.2	0.2072	0.0000	OK
1440 minute winter	SW-06	1410	9.897	0.160	0.7	0.0615	0.0000	SURCHARGED
1440 minute winter	25	1410	9.897	0.294	2.9	0.0000	0.0000	SURCHARGED
15 minute summer	24	1	9.960	0.000	0.0	0.0000	0.0000	OK
1440 minute winter	17.000:50%	1410	9.896	0.048	0.1	0.1704	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)
1440 minute winter	33	1.008	31	1.6	0.198	0.026	0.4274	
1440 minute winter	32	13.000	13.000:50%	0.0	-0.014	-0.013	0.0347	
1440 minute winter	32	13.000	31	-0.3	0.059	-0.125	0.0347	
1440 minute winter	31	1.009	29	2.0	0.197	0.032	0.8446	
1440 minute winter	30	14.000	14.000:50%	-0.1	-0.012	-0.018	0.0324	
1440 minute winter	30	14.000	29	0.1	0.021	0.043	0.0324	
1440 minute winter	29	1.010	25	2.3	0.185	0.038	0.6286	
1440 minute winter	28	16.000	16.000:50%	0.0	-0.010	-0.003	0.0072	
1440 minute winter	28	16.000	SW-06	0.6	0.314	0.045	0.0133	
15 minute summer	27	15.000	15.000:50%	0.0	0.000	0.000	0.0142	
15 minute summer	27	15.000	SW-06	3.9	0.797	0.505	0.0346	
1440 minute winter	SW-06	15.001	25	0.3	0.264	0.034	0.0504	
1440 minute winter	25	1.011	21	2.9	0.201	0.043	0.3037	
15 minute summer	24	17.000	17.000:50%	0.0	0.000	0.000	0.0147	
15 minute summer	24	17.000	SW-07	2.9	0.894	0.404	0.0260	

Results for 30 year +40% CC Critical Storm Duration. Lowest mass balance: 95.48%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute winter	SW-07	1410	9.897	0.160	0.1	0.0615	0.0000	SURCHARGED
1440 minute winter	21	1410	9.897	0.299	3.8	40.6657	0.0000	SURCHARGED
1440 minute winter	20	1410	9.897	0.282	0.0	0.0000	0.0000	SURCHARGED
1440 minute winter	19.000:50%	1410	9.897	0.298	0.2	0.0000	0.0000	SURCHARGED
1440 minute winter	19	1410	9.897	0.314	3.0	0.0000	0.0000	SURCHARGED
15 minute summer	18	1	9.910	0.000	0.0	0.0000	0.0000	OK
1440 minute winter	21.000:50%	1410	9.896	0.085	0.1	0.5506	0.0000	OK
15 minute summer	17	1	9.930	0.000	0.0	0.0000	0.0000	OK
1440 minute winter	20.000:50%	1410	9.896	0.075	0.2	0.4272	0.0000	OK
1440 minute winter	SW-08	1410	9.897	0.184	0.3	0.0707	0.0000	SURCHARGED
1440 minute winter	15	1410	9.897	0.325	3.2	0.0000	0.0000	SURCHARGED
1440 minute winter	14	1410	9.897	0.305	0.0	0.0000	0.0000	SURCHARGED
1440 minute winter	22.000:50%	1410	9.896	0.321	0.3	4.6833	0.0000	SURCHARGED
1440 minute winter	13	1410	9.897	0.338	3.9	61.4374	0.0000	SURCHARGED
1440 minute winter	12	1410	9.897	0.047	0.0	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)
1440 minute winter	SW-07	18.000	21	0.1	0.097	0.015	0.0498	
1440 minute winter	21	1.012	19	2.8	0.194	0.045	1.0840	
1440 minute winter	20	19.000	19.000:50%	0.0	-0.017	-0.010	0.0586	
1440 minute winter	20	19.000	19	0.2	0.100	0.073	0.0586	
1440 minute winter	19	1.013	15	2.9	0.168	0.046	0.7949	
15 minute summer	18	21.000	21.000:50%	0.0	0.000	0.000	0.0132	
15 minute summer	18	21.000	SW-08	2.6	0.562	0.395	0.0380	
15 minute summer	17	20.000	20.000:50%	0.0	0.000	0.000	0.0209	
15 minute summer	17	20.000	SW-08	4.5	0.791	0.642	0.0464	
1440 minute winter	SW-08	20.001	15	0.3	0.112	0.034	0.0508	
1440 minute winter	15	1.014	13	3.2	0.157	0.051	1.0188	
1440 minute winter	14	22.000	22.000:50%	0.0	-0.008	0.009	0.0597	
1440 minute winter	14	22.000	13	0.1	0.027	0.048	0.0597	
1440 minute winter	13	1.015	10	1.1	0.169	0.018	1.1364	
1440 minute winter	12	23.000	23.000:50%	0.0	-0.005	-0.003	0.0300	

Results for 30 year +40% CC Critical Storm Duration. Lowest mass balance: 95.48%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute winter	23.000:50%	1410	9.896	0.183	0.2	2.0802	0.0000	SURCHARGED
1440 minute winter	SW-09	1410	9.897	0.320	0.2	0.1231	0.0000	SURCHARGED
1440 minute winter	10	1410	9.897	0.352	1.4	21.8413	0.0000	SURCHARGED
1440 minute winter	9	1410	9.897	0.147	0.0	0.0000	0.0000	FLOOD RISK
1440 minute winter	27.000:50%	1410	9.896	0.230	0.3	3.9510	0.0000	SURCHARGED
1440 minute winter	SW-13	1410	9.897	0.314	0.2	0.1208	0.0000	FLOOD RISK
1440 minute winter	7	1410	9.897	0.072	0.0	0.0000	0.0000	OK
1440 minute winter	28.000:50%	1410	9.896	0.189	0.2	2.3020	0.0000	SURCHARGED
1440 minute winter	6	1410	9.897	0.132	0.0	0.0000	0.0000	FLOOD RISK
1440 minute winter	29.000:50%	1410	9.896	0.219	0.7	0.0000	0.0000	SURCHARGED
1440 minute winter	SW-12	1410	9.897	0.307	0.2	0.1181	0.0000	FLOOD RISK
1440 minute winter	4	1410	9.897	0.395	1.0	21.8413	0.0000	FLOOD RISK
1440 minute winter	SW-14 (HYDRO)	1410	9.897	0.407	0.3	0.7188	0.0000	FLOOD RISK
1440 minute winter	SW-15	1050	9.869	0.470	0.3	0.8305	0.0000	FLOOD RISK
15 minute summer	DITCH HEADWALL	1	9.869	0.521	0.0	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)
1440 minute winter	12	23.000	SW-09	0.2	0.103	0.020	0.0412	
1440 minute winter	SW-09	23.001	10	0.2	0.027	0.042	0.0450	
1440 minute winter	10	1.016	64	0.8	0.164	0.012	1.2704	
1440 minute winter	9	27.000	27.000:50%	0.0	-0.006	-0.004	0.0370	
1440 minute winter	9	27.000	SW-13	0.2	0.317	0.028	0.0370	
1440 minute winter	SW-13	27.001	4	0.2	0.066	0.036	0.0626	
1440 minute winter	7	28.000	28.000:50%	0.0	-0.004	-0.003	0.0243	
1440 minute winter	7	28.000	SW-12	-0.2	0.023	-0.015	0.0275	
1440 minute winter	6	29.000	29.000:50%	0.0	-0.005	-0.002	0.0107	
1440 minute winter	6	29.000	SW-12	-0.6	0.125	-0.040	0.0107	
1440 minute winter	SW-12	28.001	4	0.3	0.035	0.034	0.0374	
1440 minute winter	4	1.020	SW-14 (HYDRO)	0.3	0.026	0.003	1.1901	
1440 minute winter	SW-14 (HYDRO)	Hydro-Brake®	SW-15	0.3				
1440 minute winter	SW-15	1.022	DITCH HEADWALL	0.3	0.001	0.002	1.9072	8.1

Results for 30 year +40% CC Critical Storm Duration. Lowest mass balance: 95.48%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute winter	54	1410	9.897	0.236	1.3	0.0000	0.0000	SURCHARGED
1440 minute winter	SW-03	1410	9.897	0.143	0.4	0.0550	0.0000	SURCHARGED
15 minute summer	56	10	10.016	0.046	3.3	0.0000	0.0000	OK
15 minute summer	7.001:50%	11	9.946	0.084	6.8	0.0000	0.0000	OK
15 minute summer	57	10	10.030	0.030	0.2	0.0000	0.0000	OK
15 minute summer	7.000:50%	10	10.030	0.045	3.4	0.0000	0.0000	OK
1440 minute winter	58	1410	9.897	0.007	0.0	0.0000	0.0000	OK
1440 minute winter	8.000:50%	1410	9.897	0.075	0.3	0.0000	0.0000	OK
1440 minute winter	59	1410	9.897	0.382	0.6	0.0000	0.0000	FLOOD RISK
1440 minute winter	SW-11	1410	9.897	0.293	0.2	0.1127	0.0000	FLOOD RISK
1440 minute winter	26.001:50%	1410	9.896	0.337	0.2	0.0000	0.0000	SURCHARGED
1440 minute winter	61	1410	9.897	0.097	0.0	0.0000	0.0000	OK
1440 minute winter	26.000:50%	1410	9.897	0.195	0.2	2.4249	0.0000	SURCHARGED
1440 minute winter	62	1410	9.897	0.374	0.7	0.0000	0.0000	FLOOD RISK
1440 minute winter	63	1410	9.897	0.345	0.1	0.0000	0.0000	SURCHARGED

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute winter	54	1.005	40	1.3	0.158	0.020	0.9630	
1440 minute winter	SW-03	7.002	54	0.4	0.646	0.042	0.0256	
15 minute summer	56	7.001	7.001:50%	3.3	0.614	0.434	0.0363	
15 minute summer	56	7.001	SW-03	6.7	0.944	0.880	0.0491	
15 minute summer	57	7.000	7.000:50%	0.2	-0.127	0.023	0.0021	
15 minute summer	57	7.000	56	3.3	0.965	0.396	0.0027	
1440 minute winter	58	8.000	8.000:50%	0.0	0.011	0.002	0.0059	
1440 minute winter	58	8.000	SW-03	-0.2	0.278	-0.015	0.0127	
1440 minute winter	59	1.019	4	0.6	0.110	0.008	0.8081	
1440 minute winter	SW-11	26.001	26.001:50%	-0.2	-0.028	-0.027	0.0205	
1440 minute winter	SW-11	26.001	59	-0.2	-0.027	-0.027	0.0205	
1440 minute winter	61	26.000	26.000:50%	0.0	0.004	0.003	0.0334	
1440 minute winter	61	26.000	SW-11	-0.2	-0.026	-0.023	0.0336	
1440 minute winter	62	1.018	59	0.6	0.165	0.010	0.6837	
1440 minute winter	63	25.000	25.000:50%	-0.1	-0.012	-0.026	0.0534	

Results for 30 year +40% CC Critical Storm Duration. Lowest mass balance: 95.48%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute winter	25.000:50%	1410	9.896	0.359	0.2	0.0000	0.0000	SURCHARGED
1440 minute winter	64	1410	9.897	0.367	0.8	0.0000	0.0000	FLOOD RISK
1440 minute winter	SW-10	1410	9.897	0.282	0.4	0.1085	0.0000	FLOOD RISK
1440 minute winter	24.002:50%	1410	9.896	0.324	0.5	5.0388	0.0000	SURCHARGED
1440 minute winter	66	1410	9.897	0.097	0.0	0.0000	0.0000	OK
1440 minute winter	24.001:50%	1410	9.896	0.189	0.2	2.3027	0.0000	SURCHARGED
15 minute summer	PLOT 1	11	9.910	0.060	9.1	0.6971	0.0000	OK
1440 minute winter	PLOT 4	1410	9.897	0.097	0.4	1.7042	0.0000	OK
1440 minute winter	PLOT 3	1410	9.897	0.097	0.5	1.0237	0.0000	OK
1440 minute winter	PLOT 2	1410	9.897	0.147	0.9	1.3465	0.0000	SURCHARGED
1440 minute winter	PLOT 5	1410	9.897	0.147	0.5	3.2233	0.0000	SURCHARGED

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute winter	63	25.000	62	0.2	0.025	0.071	0.0534	
1440 minute winter	64	1.017	62	0.7	0.157	0.011	0.5848	
1440 minute winter	SW-10	24.002	24.002:50%	0.5	-0.102	0.051	0.0152	
1440 minute winter	SW-10	24.002	64	-0.3	-0.033	-0.029	0.0152	
1440 minute winter	66	24.001	24.001:50%	0.0	-0.005	-0.004	0.0366	
1440 minute winter	66	24.001	SW-10	0.1	0.369	0.012	0.0367	
15 minute summer	PLOT 1	10.000_1	40	8.6	1.707	0.674	0.0289	
1440 minute winter	PLOT 4	15.000_1	31	1.3	0.558	0.094	0.0286	
1440 minute winter	PLOT 3	17.000_1	29	0.3	0.383	0.024	0.0352	
1440 minute winter	PLOT 2	20.000_1	25	-0.6	0.362	-0.054	0.0341	
1440 minute winter	PLOT 5	22.000_1	21	1.5	0.467	0.126	0.0325	

Results for 100 year +45% CC Critical Storm Duration. Lowest mass balance: 95.48%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute winter	53	930	9.972	0.212	0.0	0.0000	0.0000	SURCHARGED
960 minute winter	1.000:50%	930	9.972	0.228	0.5	2.1562	0.0000	SURCHARGED
960 minute winter	52	930	9.972	0.244	0.5	0.0000	0.0000	SURCHARGED
960 minute winter	51	945	9.972	0.072	0.9	0.0000	0.0000	OK
960 minute winter	3.000:50%	945	9.972	0.112	1.6	0.0000	0.0000	SURCHARGED
15 minute summer	50	1	10.050	0.000	0.0	0.0000	0.0000	OK
15 minute summer	2.000:50%	10	9.973	0.038	2.9	0.0000	0.0000	OK
960 minute winter	SW-01	945	9.972	0.152	1.4	0.0587	0.0000	SURCHARGED
960 minute winter	48	930	9.972	0.265	2.1	31.2225	0.0000	SURCHARGED
15 minute summer	47	1	10.000	0.000	0.0	0.0000	0.0000	OK
15 minute summer	4.000:50%	11	9.978	0.070	6.5	0.2644	0.0000	OK
960 minute winter	46	930	9.972	0.022	0.0	0.0000	0.0000	OK
960 minute winter	5.000:50%	930	9.972	0.088	0.2	0.4863	0.0000	OK
960 minute winter	SW-02	930	9.972	0.155	0.5	0.0598	0.0000	SURCHARGED
960 minute winter	44	930	9.972	0.286	1.3	0.0000	0.0000	SURCHARGED

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute winter	53	1.000	1.000:50%	0.0	-0.015	0.010	0.0571	
960 minute winter	53	1.000	52	0.5	0.272	0.180	0.0571	
960 minute winter	52	1.001	48	0.5	0.226	0.182	0.0765	
960 minute winter	51	3.000	3.000:50%	1.6	0.304	0.143	0.0087	
960 minute winter	51	3.000	SW-01	-1.6	0.284	-0.147	0.0098	
15 minute summer	50	2.000	2.000:50%	0.0	0.000	0.000	0.0069	
15 minute summer	50	2.000	SW-01	2.9	0.744	0.310	0.0192	
960 minute winter	SW-01	2.001	48	0.5	0.202	0.061	0.0586	
960 minute winter	48	1.002	44	-1.0	0.267	-0.123	0.1675	
15 minute summer	47	4.000	4.000:50%	0.0	0.000	0.000	0.0126	
15 minute summer	47	4.000	SW-02	6.1	0.986	0.695	0.0269	
960 minute winter	46	5.000	5.000:50%	0.0	-0.008	-0.003	0.0076	
960 minute winter	46	5.000	SW-02	-0.1	0.272	-0.010	0.0133	
960 minute winter	SW-02	4.001	44	0.5	0.245	0.051	0.0399	
960 minute winter	44	1.003	42	1.3	0.575	0.159	0.1593	

Results for 100 year +45% CC Critical Storm Duration. Lowest mass balance: 95.48%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute winter	43	930	9.972	0.277	0.2	0.0000	0.0000	SURCHARGED
960 minute winter	6.000:50%	930	9.972	0.291	0.2	0.0000	0.0000	SURCHARGED
960 minute winter	42	930	9.972	0.306	1.4	0.0000	0.0000	SURCHARGED
960 minute winter	41	945	9.972	0.311	0.0	0.0000	0.0000	SURCHARGED
960 minute winter	9.000:50%	930	9.972	0.319	0.1	0.0000	0.0000	SURCHARGED
960 minute winter	40	930	9.972	0.328	3.2	30.2126	0.0000	SURCHARGED
15 minute summer	39	11	10.023	0.043	0.5	0.0000	0.0000	OK
15 minute summer	10.000:50%	11	10.023	0.136	8.4	0.0000	0.0000	SURCHARGED
960 minute winter	SW-04	930	9.972	0.178	0.5	0.0687	0.0000	SURCHARGED
960 minute winter	37	930	9.972	0.336	2.2	0.0000	0.0000	SURCHARGED
15 minute summer	36	1	9.980	0.000	0.0	0.0000	0.0000	OK
960 minute winter	11.000:50%	945	9.972	0.085	0.3	0.0000	0.0000	OK
960 minute winter	35	930	9.972	0.078	0.0	0.0000	0.0000	OK
960 minute winter	12.000:50%	930	9.972	0.128	0.8	0.0000	0.0000	SURCHARGED
960 minute winter	SW-05	930	9.972	0.178	0.5	0.0687	0.0000	SURCHARGED

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute winter	43	6.000	6.000:50%	-0.2	-0.023	-0.060	0.0517	
960 minute winter	43	6.000	42	0.2	0.258	0.066	0.0517	
960 minute winter	42	1.004	54	1.4	0.167	0.023	0.3699	
960 minute winter	41	9.000	9.000:50%	0.0	-0.041	-0.013	0.0318	
960 minute winter	41	9.000	40	0.1	0.155	0.041	0.0318	
960 minute winter	40	1.006	37	-2.3	0.204	-0.035	0.5793	
15 minute summer	39	10.000	10.000:50%	-0.5	-0.105	-0.063	0.0361	
15 minute summer	39	10.000	SW-04	7.8	1.009	1.086	0.0510	
960 minute winter	SW-04	10.001	37	0.5	0.431	0.057	0.0588	
960 minute winter	37	1.007	33	-1.9	0.209	-0.032	0.3413	
15 minute summer	36	11.000	11.000:50%	0.0	0.000	0.000	0.0231	
15 minute summer	36	11.000	SW-05	5.5	0.777	0.795	0.0509	
960 minute winter	35	12.000	12.000:50%	0.0	-0.006	0.003	0.0142	
960 minute winter	35	12.000	SW-05	-0.6	0.368	-0.057	0.0154	
960 minute winter	SW-05	11.001	33	0.5	0.415	0.059	0.0575	

Results for 100 year +45% CC Critical Storm Duration. Lowest mass balance: 95.48%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute winter	33	930	9.972	0.340	2.3	0.0000	0.0000	SURCHARGED
960 minute winter	32	930	9.972	0.328	0.0	0.0000	0.0000	SURCHARGED
960 minute winter	13.000:50%	930	9.972	0.337	0.4	5.0599	0.0000	SURCHARGED
960 minute winter	31	930	9.972	0.347	2.9	0.0000	0.0000	SURCHARGED
960 minute winter	30	930	9.973	0.343	0.1	0.0000	0.0000	SURCHARGED
960 minute winter	14.000:50%	930	9.973	0.352	0.2	0.0000	0.0000	SURCHARGED
960 minute winter	29	930	9.972	0.360	3.2	0.0000	0.0000	SURCHARGED
960 minute winter	28	930	9.972	0.092	0.0	0.0000	0.0000	OK
960 minute winter	16.000:50%	930	9.972	0.163	0.4	0.0000	0.0000	SURCHARGED
960 minute winter	27	930	9.972	0.012	0.0	0.0000	0.0000	OK
960 minute winter	15.000:50%	930	9.972	0.123	0.3	1.1661	0.0000	SURCHARGED
960 minute winter	SW-06	930	9.972	0.235	1.0	0.0906	0.0000	SURCHARGED
960 minute winter	25	930	9.972	0.369	4.1	0.0000	0.0000	FLOOD RISK
960 minute winter	24	930	9.972	0.012	0.0	0.0000	0.0000	OK
960 minute winter	17.000:50%	930	9.972	0.123	0.2	1.1668	0.0000	SURCHARGED

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute winter	33	1.008	31	2.3	0.213	0.036	0.5478	
960 minute winter	32	13.000	13.000:50%	0.0	-0.035	-0.011	0.0347	
960 minute winter	32	13.000	31	-0.3	0.123	-0.109	0.0347	
960 minute winter	31	1.009	29	2.8	0.205	0.044	1.0740	
960 minute winter	30	14.000	14.000:50%	0.1	-0.031	0.038	0.0324	
960 minute winter	30	14.000	29	0.1	0.039	0.038	0.0324	
960 minute winter	29	1.010	25	3.2	0.188	0.052	0.7928	
960 minute winter	28	16.000	16.000:50%	0.0	-0.007	-0.003	0.0135	
960 minute winter	28	16.000	SW-06	0.7	0.388	0.057	0.0138	
960 minute winter	27	15.000	15.000:50%	0.0	-0.008	-0.005	0.0285	
960 minute winter	27	15.000	SW-06	0.3	0.414	0.039	0.0532	
960 minute winter	SW-06	15.001	25	0.5	0.279	0.062	0.0504	
960 minute winter	25	1.011	21	4.0	0.199	0.060	0.3811	
960 minute winter	24	17.000	17.000:50%	0.0	0.005	0.003	0.0341	
960 minute winter	24	17.000	SW-07	0.3	0.421	0.036	0.0636	

Results for 100 year +45% CC Critical Storm Duration. Lowest mass balance: 95.48%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute winter	SW-07	930	9.972	0.235	0.3	0.0906	0.0000	SURCHARGED
960 minute winter	21	930	9.972	0.374	5.6	40.9158	0.0000	FLOOD RISK
960 minute winter	20	930	9.972	0.357	0.0	0.0000	0.0000	FLOOD RISK
960 minute winter	19.000:50%	930	9.972	0.373	0.3	0.0000	0.0000	SURCHARGED
960 minute winter	19	930	9.972	0.389	3.7	0.0000	0.0000	FLOOD RISK
960 minute winter	18	930	9.972	0.062	0.0	0.0000	0.0000	OK
960 minute winter	21.000:50%	930	9.972	0.160	0.2	1.9957	0.0000	SURCHARGED
960 minute winter	17	930	9.972	0.042	0.0	0.0000	0.0000	OK
960 minute winter	20.000:50%	930	9.972	0.150	0.4	1.7525	0.0000	SURCHARGED
960 minute winter	SW-08	930	9.972	0.259	0.6	0.0998	0.0000	FLOOD RISK
960 minute winter	15	930	9.972	0.400	4.3	0.0000	0.0000	FLOOD RISK
960 minute winter	14	930	9.972	0.380	0.0	0.0000	0.0000	FLOOD RISK
960 minute winter	22.000:50%	930	9.972	0.396	0.5	7.1516	0.0000	SURCHARGED
960 minute winter	13	930	9.972	0.413	5.5	61.4374	0.0000	FLOOD RISK
960 minute winter	12	930	9.972	0.122	0.0	0.0000	0.0000	FLOOD RISK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute winter	SW-07	18.000	21	0.3	0.123	0.029	0.0498	
960 minute winter	21	1.012	19	3.4	0.215	0.055	1.3513	
960 minute winter	20	19.000	19.000:50%	0.0	-0.012	-0.010	0.0586	
960 minute winter	20	19.000	19	0.3	0.171	0.109	0.0586	
960 minute winter	19	1.013	15	3.7	0.220	0.059	0.9829	
960 minute winter	18	21.000	21.000:50%	0.0	-0.006	-0.004	0.0521	
960 minute winter	18	21.000	SW-08	0.2	0.301	0.030	0.0629	
960 minute winter	17	20.000	20.000:50%	0.0	-0.003	-0.003	0.0453	
960 minute winter	17	20.000	SW-08	0.4	0.403	0.058	0.0646	
960 minute winter	SW-08	20.001	15	0.6	0.286	0.065	0.0508	
960 minute winter	15	1.014	13	4.3	0.218	0.069	1.2510	
960 minute winter	14	22.000	22.000:50%	0.0	-0.016	-0.011	0.0597	
960 minute winter	14	22.000	13	-0.3	0.160	-0.122	0.0597	
960 minute winter	13	1.015	10	1.7	0.213	0.027	1.3853	
960 minute winter	12	23.000	23.000:50%	0.0	-0.005	-0.003	0.0412	

Results for 100 year +45% CC Critical Storm Duration. Lowest mass balance: 95.48%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute winter	23.000:50%	930	9.972	0.258	0.4	4.1612	0.0000	SURCHARGED
960 minute winter	SW-09	930	9.972	0.395	0.3	0.1522	0.0000	FLOOD RISK
960 minute winter	10	930	9.972	0.427	2.2	21.8413	0.0000	FLOOD RISK
480 minute winter	9	472	9.950	0.200	0.1	0.0000	0.0000	FLOOD RISK
960 minute winter	27.000:50%	930	9.972	0.305	0.5	6.9808	0.0000	SURCHARGED
960 minute winter	SW-13	930	9.972	0.389	0.3	0.1499	0.0000	FLOOD RISK
960 minute winter	7	930	9.972	0.147	0.0	0.0000	0.0000	FLOOD RISK
960 minute winter	28.000:50%	930	9.972	0.264	0.4	4.5140	0.0000	SURCHARGED
960 minute winter	6	930	9.972	0.207	0.0	0.0000	0.0000	FLOOD RISK
960 minute winter	29.000:50%	930	9.972	0.294	0.5	0.0000	0.0000	SURCHARGED
960 minute winter	SW-12	930	9.972	0.382	1.2	0.1472	0.0000	FLOOD RISK
960 minute winter	4	930	9.972	0.470	1.6	21.8413	0.0000	FLOOD RISK
960 minute winter	SW-14 (HYDRO)	930	9.972	0.482	1.2	0.8523	0.0000	FLOOD RISK
240 minute winter	SW-15	188	9.869	0.470	0.6	0.8306	0.0000	FLOOD RISK
15 minute summer	DITCH HEADWALL	1	9.869	0.521	0.0	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	12	23.000	SW-09	0.3	0.307	0.030	0.0412	
960 minute winter	SW-09	23.001	10	0.3	0.194	0.062	0.0450	
960 minute winter	10	1.016	64	1.6	0.212	0.026	1.5375	
480 minute winter	9	27.000	27.000:50%	-0.1	-0.011	-0.010	0.0370	
480 minute winter	9	27.000	SW-13	0.6	0.390	0.073	0.0370	
960 minute winter	SW-13	27.001	4	0.3	0.270	0.055	0.0626	
960 minute winter	7	28.000	28.000:50%	0.0	-0.004	-0.003	0.0275	
960 minute winter	7	28.000	SW-12	-0.3	0.045	-0.030	0.0275	
960 minute winter	6	29.000	29.000:50%	0.0	0.004	0.002	0.0107	
960 minute winter	6	29.000	SW-12	1.0	0.190	0.064	0.0107	
960 minute winter	SW-12	28.001	4	0.3	0.042	0.041	0.0374	
960 minute winter	4	1.020	SW-14 (HYDRO)	1.2	0.031	0.012	1.4144	
960 minute winter	SW-14 (HYDRO)	Hydro-Brake®	SW-15	1.2				
240 minute winter	SW-15	1.022	DITCH HEADWALL	0.6	0.002	0.003	1.9072	8.2

Results for 100 year +45% CC Critical Storm Duration. Lowest mass balance: 95.48%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute winter	54	930	9.972	0.311	1.9	0.0000	0.0000	SURCHARGED
960 minute winter	SW-03	930	9.972	0.218	0.7	0.0841	0.0000	SURCHARGED
15 minute summer	56	12	10.065	0.095	4.1	0.0000	0.0000	OK
15 minute summer	7.001:50%	11	10.040	0.178	8.4	0.0000	0.0000	SURCHARGED
15 minute summer	57	12	10.064	0.064	0.3	0.0000	0.0000	OK
15 minute summer	7.000:50%	12	10.064	0.079	4.5	0.0000	0.0000	OK
960 minute winter	58	930	9.972	0.082	0.1	0.0000	0.0000	OK
960 minute winter	8.000:50%	930	9.972	0.150	0.2	0.0000	0.0000	SURCHARGED
960 minute winter	59	930	9.972	0.457	1.5	0.0000	0.0000	FLOOD RISK
960 minute winter	SW-11	930	9.972	0.368	0.3	0.1418	0.0000	FLOOD RISK
960 minute winter	26.001:50%	930	9.972	0.412	0.3	0.0000	0.0000	SURCHARGED
960 minute winter	61	930	9.972	0.172	0.0	0.0000	0.0000	FLOOD RISK
960 minute winter	26.000:50%	930	9.972	0.270	0.4	4.6726	0.0000	SURCHARGED
960 minute winter	62	930	9.972	0.449	1.5	0.0000	0.0000	FLOOD RISK
960 minute winter	63	930	9.973	0.421	0.1	0.0000	0.0000	FLOOD RISK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute winter	54	1.005	40	1.8	0.161	0.029	1.2611	
960 minute winter	SW-03	7.002	54	0.7	0.655	0.066	0.0256	
15 minute summer	56	7.001	7.001:50%	4.3	0.599	0.562	0.0534	
15 minute summer	56	7.001	SW-03	7.7	0.982	1.013	0.0539	
15 minute summer	57	7.000	7.000:50%	0.6	0.144	0.069	0.0046	
15 minute summer	57	7.000	56	4.1	1.026	0.484	0.0056	
960 minute winter	58	8.000	8.000:50%	-0.1	-0.018	-0.007	0.0132	
960 minute winter	58	8.000	SW-03	0.2	0.277	0.017	0.0141	
960 minute winter	59	1.019	4	1.4	0.140	0.019	0.9653	
960 minute winter	SW-11	26.001	26.001:50%	-0.3	-0.039	-0.039	0.0205	
960 minute winter	SW-11	26.001	59	-0.3	-0.043	-0.042	0.0205	
960 minute winter	61	26.000	26.000:50%	0.0	-0.005	-0.004	0.0336	
960 minute winter	61	26.000	SW-11	-0.3	0.041	-0.032	0.0336	
960 minute winter	62	1.018	59	1.5	0.198	0.023	0.8204	
960 minute winter	63	25.000	25.000:50%	-0.1	-0.020	-0.035	0.0534	

Results for 100 year +45% CC Critical Storm Duration. Lowest mass balance: 95.48%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute winter	25.000:50%	930	9.972	0.434	0.3	0.0000	0.0000	SURCHARGED
960 minute winter	64	930	9.972	0.442	1.6	0.0000	0.0000	FLOOD RISK
960 minute winter	SW-10	930	9.972	0.357	0.3	0.1376	0.0000	FLOOD RISK
960 minute winter	24.002:50%	930	9.972	0.399	0.7	7.6670	0.0000	SURCHARGED
960 minute winter	66	930	9.972	0.172	0.0	0.0000	0.0000	FLOOD RISK
960 minute winter	24.001:50%	930	9.972	0.264	0.4	4.5140	0.0000	SURCHARGED
960 minute winter	PLOT 1	930	9.972	0.122	1.2	1.5022	0.0000	SURCHARGED
960 minute winter	PLOT 4	930	9.972	0.172	1.7	3.1568	0.0000	SURCHARGED
960 minute winter	PLOT 3	930	9.972	0.172	0.5	1.8817	0.0000	SURCHARGED
960 minute winter	PLOT 2	930	9.972	0.222	1.1	2.0742	0.0000	SURCHARGED
960 minute winter	PLOT 5	930	9.972	0.222	1.4	4.9919	0.0000	SURCHARGED

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute winter	63	25.000	62	0.3	0.164	0.104	0.0534	
960 minute winter	64	1.017	62	1.4	0.209	0.023	0.7040	
960 minute winter	SW-10	24.002	24.002:50%	0.5	0.108	0.060	0.0152	
960 minute winter	SW-10	24.002	64	-0.7	-0.085	-0.074	0.0152	
960 minute winter	66	24.001	24.001:50%	0.0	-0.005	-0.003	0.0367	
960 minute winter	66	24.001	SW-10	0.2	0.369	0.027	0.0367	
960 minute winter	PLOT 1	10.000_1	40	0.7	0.621	0.058	0.0364	
960 minute winter	PLOT 4	15.000_1	31	-1.0	0.557	-0.074	0.0288	
960 minute winter	PLOT 3	17.000_1	29	1.0	0.424	0.078	0.0353	
960 minute winter	PLOT 2	20.000_1	25	-0.6	0.395	-0.055	0.0341	
960 minute winter	PLOT 5	22.000_1	21	0.8	0.499	0.066	0.0325	

Results for 500 year +45% CC Critical Storm Duration. Lowest mass balance: 95.48%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute winter	53	344	10.004	0.244	0.1	0.0000	0.0000	SURCHARGED
480 minute winter	1.000:50%	344	10.004	0.260	1.3	2.7894	0.0000	SURCHARGED
480 minute winter	52	344	10.003	0.275	1.1	0.0000	0.0000	SURCHARGED
600 minute winter	51	405	10.003	0.103	0.1	0.0000	0.0000	SURCHARGED
720 minute winter	3.000:50%	480	10.003	0.143	0.5	0.0000	0.0000	SURCHARGED
15 minute summer	50	1	10.050	0.000	0.0	0.0000	0.0000	OK
480 minute winter	2.000:50%	336	10.003	0.068	0.4	0.0000	0.0000	OK
720 minute winter	SW-01	480	10.003	0.183	1.9	0.0703	0.0000	SURCHARGED
720 minute winter	48	480	10.003	0.296	3.9	34.9756	0.0000	SURCHARGED
480 minute winter	47	336	10.003	0.003	0.0	0.0000	0.0000	OK
720 minute winter	4.000:50%	480	10.002	0.094	0.6	0.4784	0.0000	OK
720 minute winter	46	480	10.003	0.053	0.0	0.0000	0.0000	OK
720 minute winter	5.000:50%	480	10.002	0.118	0.4	0.8746	0.0000	SURCHARGED
720 minute winter	SW-02	480	10.002	0.185	0.8	0.0714	0.0000	SURCHARGED
480 minute winter	44	336	10.002	0.316	2.8	0.0000	0.0000	SURCHARGED

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute winter	53	1.000	1.000:50%	-0.1	-0.021	-0.019	0.0571	
480 minute winter	53	1.000	52	1.1	0.333	0.391	0.0571	
480 minute winter	52	1.001	48	1.1	0.308	0.385	0.0765	
600 minute winter	51	3.000	3.000:50%	-0.1	-0.064	-0.013	0.0098	
600 minute winter	51	3.000	SW-01	0.8	0.350	0.071	0.0098	
15 minute summer	50	2.000	2.000:50%	0.0	0.000	0.000	0.0084	
15 minute summer	50	2.000	SW-01	3.8	0.788	0.408	0.0236	
720 minute winter	SW-01	2.001	48	0.5	0.203	0.067	0.0586	
720 minute winter	48	1.002	44	-2.2	0.289	-0.268	0.1675	
480 minute winter	47	4.000	4.000:50%	0.0	-0.002	-0.001	0.0166	
480 minute winter	47	4.000	SW-02	0.9	0.684	0.103	0.0334	
720 minute winter	46	5.000	5.000:50%	0.0	-0.006	-0.002	0.0105	
720 minute winter	46	5.000	SW-02	-0.3	0.293	-0.026	0.0137	
720 minute winter	SW-02	4.001	44	0.9	0.263	0.097	0.0399	
480 minute winter	44	1.003	42	2.5	0.660	0.309	0.1593	

Results for 500 year +45% CC Critical Storm Duration. Lowest mass balance: 95.48%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute summer	43	450	10.001	0.306	0.1	0.0000	0.0000	SURCHARGED
720 minute summer	6.000:50%	450	10.001	0.321	0.5	0.0000	0.0000	SURCHARGED
720 minute summer	42	450	10.001	0.335	2.3	0.0000	0.0000	SURCHARGED
720 minute summer	41	450	10.001	0.340	0.0	0.0000	0.0000	SURCHARGED
480 minute winter	9.000:50%	336	10.001	0.348	0.3	0.0000	0.0000	SURCHARGED
720 minute summer	40	450	10.001	0.357	8.5	30.2126	0.0000	SURCHARGED
15 minute summer	39	12	10.181	0.201	1.3	0.0000	0.0000	FLOOD RISK
15 minute summer	10.000:50%	12	10.179	0.292	11.1	0.0000	0.0000	SURCHARGED
720 minute summer	SW-04	450	10.002	0.208	1.2	0.0800	0.0000	SURCHARGED
720 minute summer	37	450	10.001	0.365	5.8	0.0000	0.0000	SURCHARGED
15 minute summer	36	12	10.085	0.105	0.9	0.0000	0.0000	FLOOD RISK
15 minute summer	11.000:50%	12	10.084	0.197	7.4	0.0000	0.0000	SURCHARGED
15 minute summer	35	12	10.014	0.120	0.8	0.0000	0.0000	FLOOD RISK
15 minute summer	12.000:50%	12	10.014	0.170	4.9	0.0000	0.0000	SURCHARGED
720 minute summer	SW-05	450	10.002	0.208	1.3	0.0800	0.0000	SURCHARGED

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute summer	43	6.000	6.000:50%	0.1	-0.022	0.020	0.0517	
720 minute summer	43	6.000	42	0.5	0.255	0.165	0.0517	
720 minute summer	42	1.004	54	2.2	0.172	0.036	0.4046	
720 minute summer	41	9.000	9.000:50%	0.0	-0.041	-0.018	0.0318	
720 minute summer	41	9.000	40	0.3	0.162	0.128	0.0318	
720 minute summer	40	1.006	37	-5.7	0.210	-0.088	0.6296	
15 minute summer	39	10.000	10.000:50%	1.8	0.239	0.249	0.0510	
15 minute summer	39	10.000	SW-04	9.0	1.149	1.244	0.0510	
720 minute summer	SW-04	10.001	37	1.1	0.366	0.130	0.0588	
720 minute summer	37	1.007	33	-4.9	0.217	-0.081	0.3703	
15 minute summer	36	11.000	11.000:50%	1.2	0.203	0.181	0.0557	
15 minute summer	36	11.000	SW-05	5.7	0.792	0.830	0.0557	
15 minute summer	35	12.000	12.000:50%	-0.8	-0.201	-0.078	0.0154	
15 minute summer	35	12.000	SW-05	3.6	0.640	0.373	0.0154	
720 minute summer	SW-05	11.001	33	1.2	0.436	0.137	0.0575	

Results for 500 year +45% CC Critical Storm Duration. Lowest mass balance: 95.48%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute summer	33	450	10.001	0.369	4.7	0.0000	0.0000	FLOOD RISK
720 minute summer	32	450	10.002	0.358	0.0	0.0000	0.0000	FLOOD RISK
720 minute summer	13.000:50%	450	10.001	0.367	1.1	5.9761	0.0000	SURCHARGED
720 minute summer	31	450	10.001	0.376	5.5	0.0000	0.0000	FLOOD RISK
720 minute summer	30	450	10.001	0.371	0.4	0.0000	0.0000	FLOOD RISK
720 minute summer	14.000:50%	450	10.001	0.380	0.4	0.0000	0.0000	SURCHARGED
720 minute summer	29	450	10.001	0.389	5.6	0.0000	0.0000	FLOOD RISK
480 minute winter	28	336	10.002	0.122	0.1	0.0000	0.0000	FLOOD RISK
480 minute winter	16.000:50%	336	10.001	0.193	1.0	0.0000	0.0000	SURCHARGED
480 minute winter	27	336	10.002	0.042	0.0	0.0000	0.0000	OK
480 minute winter	15.000:50%	336	10.002	0.153	0.7	1.8042	0.0000	SURCHARGED
480 minute winter	SW-06	336	10.002	0.265	2.3	0.1020	0.0000	FLOOD RISK
720 minute summer	25	450	10.001	0.398	6.8	0.0000	0.0000	FLOOD RISK
480 minute winter	24	336	10.002	0.042	0.0	0.0000	0.0000	OK
480 minute winter	17.000:50%	336	10.001	0.153	0.7	1.7990	0.0000	SURCHARGED

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute summer	33	1.008	31	4.7	0.227	0.074	0.5937	
720 minute summer	32	13.000	13.000:50%	0.0	-0.035	-0.018	0.0347	
720 minute summer	32	13.000	31	-0.8	0.142	-0.275	0.0347	
720 minute summer	31	1.009	29	5.2	0.232	0.083	1.1613	
720 minute summer	30	14.000	14.000:50%	-0.4	-0.049	-0.139	0.0324	
720 minute summer	30	14.000	29	0.3	0.045	0.115	0.0324	
720 minute summer	29	1.010	25	5.6	0.224	0.091	0.8552	
480 minute winter	28	16.000	16.000:50%	-0.1	-0.011	-0.007	0.0138	
480 minute winter	28	16.000	SW-06	1.6	0.433	0.128	0.0138	
480 minute winter	27	15.000	15.000:50%	0.0	-0.005	-0.004	0.0373	
480 minute winter	27	15.000	SW-06	0.7	0.508	0.090	0.0532	
480 minute winter	SW-06	15.001	25	1.3	0.421	0.146	0.0504	
720 minute summer	25	1.011	21	6.7	0.235	0.100	0.4105	
480 minute winter	24	17.000	17.000:50%	0.0	-0.007	-0.005	0.0444	
480 minute winter	24	17.000	SW-07	0.5	0.517	0.071	0.0636	

Results for 500 year +45% CC Critical Storm Duration. Lowest mass balance: 95.48%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute summer	SW-07	390	10.001	0.264	0.6	0.1018	0.0000	FLOOD RISK
720 minute summer	21	450	10.001	0.403	10.3	40.9158	0.0000	FLOOD RISK
600 minute winter	20	405	10.001	0.386	0.1	0.0000	0.0000	FLOOD RISK
720 minute summer	19.000:50%	450	10.001	0.402	0.8	0.0000	0.0000	SURCHARGED
720 minute summer	19	450	10.001	0.418	7.9	0.0000	0.0000	FLOOD RISK
720 minute winter	18	480	10.002	0.092	0.0	0.0000	0.0000	OK
720 minute winter	21.000:50%	480	10.002	0.190	0.6	2.8123	0.0000	SURCHARGED
720 minute winter	17	480	10.002	0.072	0.1	0.0000	0.0000	OK
720 minute winter	20.000:50%	480	10.002	0.180	0.6	2.5212	0.0000	SURCHARGED
720 minute winter	SW-08	480	10.002	0.289	0.9	0.1111	0.0000	FLOOD RISK
720 minute summer	15	450	10.001	0.429	8.5	0.0000	0.0000	FLOOD RISK
720 minute summer	14	450	10.001	0.409	0.1	0.0000	0.0000	FLOOD RISK
720 minute summer	22.000:50%	450	10.001	0.425	1.4	8.2421	0.0000	SURCHARGED
720 minute summer	13	450	10.001	0.442	9.9	61.4374	0.0000	FLOOD RISK
480 minute winter	12	336	10.002	0.152	0.1	0.0000	0.0000	FLOOD RISK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute summer	SW-07	18.000	21	0.5	0.230	0.058	0.0498	
720 minute summer	21	1.012	19	7.7	0.263	0.124	1.4527	
600 minute winter	20	19.000	19.000:50%	-0.1	-0.020	-0.021	0.0586	
600 minute winter	20	19.000	19	0.5	0.184	0.198	0.0586	
720 minute summer	19	1.013	15	7.9	0.258	0.125	1.0541	
720 minute winter	18	21.000	21.000:50%	0.0	-0.007	-0.005	0.0618	
720 minute winter	18	21.000	SW-08	-0.4	0.301	-0.055	0.0629	
720 minute winter	17	20.000	20.000:50%	-0.1	-0.011	-0.007	0.0572	
720 minute winter	17	20.000	SW-08	0.6	0.456	0.087	0.0646	
720 minute winter	SW-08	20.001	15	0.9	0.344	0.097	0.0508	
720 minute summer	15	1.014	13	8.5	0.255	0.137	1.3387	
720 minute summer	14	22.000	22.000:50%	-0.1	-0.022	-0.026	0.0597	
720 minute summer	14	22.000	13	-0.7	0.182	-0.250	0.0597	
720 minute summer	13	1.015	10	9.6	0.268	0.154	1.4788	
480 minute winter	12	23.000	23.000:50%	-0.1	-0.012	-0.006	0.0412	

Results for 500 year +45% CC Critical Storm Duration. Lowest mass balance: 95.48%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute winter	23.000:50%	336	10.001	0.288	1.1	5.1555	0.0000	SURCHARGED
480 minute winter	SW-09	336	10.001	0.424	0.6	0.1633	0.0000	FLOOD RISK
720 minute summer	10	450	10.001	0.456	10.1	21.8413	0.0000	FLOOD RISK
120 minute summer	9	116	9.950	0.200	0.2	0.0000	0.0000	FLOOD RISK
600 minute winter	27.000:50%	405	10.001	0.334	1.3	8.3813	0.0000	PONDING
600 minute winter	SW-13	405	10.001	0.418	0.5	0.1609	0.0000	FLOOD RISK
720 minute summer	7	450	10.001	0.176	0.1	0.0000	0.0000	FLOOD RISK
720 minute summer	28.000:50%	450	10.000	0.293	1.1	5.5437	0.0000	SURCHARGED
720 minute summer	6	450	10.001	0.236	0.3	0.0000	0.0000	FLOOD RISK
720 minute summer	29.000:50%	450	10.000	0.323	1.2	0.0000	0.0000	SURCHARGED
720 minute summer	SW-12	450	10.001	0.411	1.1	0.1581	0.0000	FLOOD RISK
480 minute winter	4	336	10.000	0.498	13.9	21.8413	0.0000	FLOOD RISK
1440 minute winter	SW-14 (HYDRO)	900	10.000	0.510	9.2	0.9012	86.6140	FLOOD
180 minute summer	SW-15	120	9.869	0.470	1.2	0.8310	0.0000	FLOOD RISK
15 minute summer	DITCH HEADWALL	1	9.869	0.521	0.0	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	12	23.000	SW-09	-0.6	0.319	-0.058	0.0412	
480 minute winter	SW-09	23.001	10	-0.6	0.287	-0.135	0.0450	
720 minute summer	10	1.016	64	10.1	0.253	0.163	1.6373	
120 minute summer	9	27.000	27.000:50%	-0.2	-0.061	-0.030	0.0370	
120 minute summer	9	27.000	SW-13	2.7	0.581	0.341	0.0370	
600 minute winter	SW-13	27.001	4	-0.5	0.270	-0.087	0.0626	
720 minute summer	7	28.000	28.000:50%	-0.1	-0.017	-0.007	0.0275	
720 minute summer	7	28.000	SW-12	-0.9	-0.113	-0.080	0.0275	
720 minute summer	6	29.000	29.000:50%	-0.3	-0.035	-0.018	0.0107	
720 minute summer	6	29.000	SW-12	1.0	0.434	0.066	0.0107	
720 minute summer	SW-12	28.001	4	-0.6	0.282	-0.081	0.0374	
480 minute winter	4	1.020	SW-14 (HYDRO)	14.0	0.082	0.132	1.4969	
1440 minute winter	SW-14 (HYDRO)	Hydro-Brake®	SW-15	1.2				
180 minute summer	SW-15	1.022	DITCH HEADWALL	1.2	0.005	0.006	1.9077	21.6

Results for 500 year +45% CC Critical Storm Duration. Lowest mass balance: 95.48%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute summer	54	450	10.001	0.340	2.7	0.0000	0.0000	SURCHARGED
600 minute summer	SW-03	390	10.002	0.248	2.0	0.0954	0.0000	SURCHARGED
15 minute summer	56	12	10.185	0.215	4.3	0.0000	0.0000	FLOOD RISK
15 minute summer	7.001:50%	12	10.153	0.291	9.3	0.0000	0.0000	SURCHARGED
15 minute summer	57	12	10.189	0.189	1.0	0.0000	0.0000	FLOOD RISK
15 minute summer	7.000:50%	12	10.189	0.204	5.9	0.0000	0.0000	SURCHARGED
1440 minute winter	58	900	10.003	0.113	0.1	0.0000	0.0000	SURCHARGED
240 minute summer	8.000:50%	216	10.002	0.180	1.0	0.0000	0.0000	SURCHARGED
960 minute winter	59	615	10.000	0.485	10.5	0.0000	0.0000	FLOOD RISK
600 minute winter	SW-11	405	10.001	0.397	0.8	0.1528	0.0000	FLOOD RISK
600 minute winter	26.001:50%	405	10.000	0.441	0.8	0.0000	0.0000	SURCHARGED
600 minute summer	61	390	10.001	0.201	0.1	0.0000	0.0000	FLOOD RISK
480 minute winter	26.000:50%	336	10.001	0.299	1.1	5.7147	0.0000	SURCHARGED
720 minute summer	62	450	10.000	0.477	10.5	0.0000	0.0000	FLOOD RISK
600 minute winter	63	405	10.001	0.449	0.1	0.0000	0.0000	FLOOD RISK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute summer	54	1.005	40	2.7	0.162	0.043	1.3751	
600 minute summer	SW-03	7.002	54	1.7	0.673	0.169	0.0256	
15 minute summer	56	7.001	7.001:50%	4.7	0.612	0.623	0.0539	
15 minute summer	56	7.001	SW-03	8.7	1.111	1.147	0.0539	
15 minute summer	57	7.000	7.000:50%	1.2	0.353	0.143	0.0061	
15 minute summer	57	7.000	56	4.3	1.050	0.508	0.0061	
1440 minute winter	58	8.000	8.000:50%	-0.1	-0.014	-0.010	0.0141	
1440 minute winter	58	8.000	SW-03	0.2	0.278	0.019	0.0141	
960 minute winter	59	1.019	4	10.5	0.167	0.140	1.0235	
600 minute winter	SW-11	26.001	26.001:50%	-0.8	-0.105	-0.104	0.0205	
600 minute winter	SW-11	26.001	59	-0.8	-0.108	-0.107	0.0205	
600 minute summer	61	26.000	26.000:50%	-0.1	-0.022	-0.012	0.0336	
600 minute summer	61	26.000	SW-11	-1.3	-0.164	-0.140	0.0336	
720 minute summer	62	1.018	59	10.5	0.235	0.165	0.8711	
600 minute winter	63	25.000	25.000:50%	0.1	-0.040	0.042	0.0534	

Results for 500 year +45% CC Critical Storm Duration. Lowest mass balance: 95.48%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute winter	25.000:50%	405	10.000	0.463	0.6	0.0000	0.0000	SURCHARGED
720 minute summer	64	450	10.000	0.470	10.3	0.0000	0.0000	FLOOD RISK
600 minute winter	SW-10	405	10.001	0.386	0.6	0.1486	0.0000	FLOOD RISK
600 minute winter	24.002:50%	405	10.000	0.428	1.7	8.7964	0.0000	SURCHARGED
600 minute winter	66	405	10.001	0.201	0.0	0.0000	0.0000	FLOOD RISK
600 minute winter	24.001:50%	405	10.001	0.293	0.9	5.5604	0.0000	SURCHARGED
480 minute winter	PLOT 1	336	10.002	0.152	1.6	1.8847	0.0000	SURCHARGED
480 minute winter	PLOT 4	336	10.002	0.202	1.7	3.7222	0.0000	SURCHARGED
480 minute winter	PLOT 3	336	10.001	0.201	1.3	2.2122	0.0000	SURCHARGED
480 minute winter	PLOT 2	336	10.001	0.251	1.1	2.3538	0.0000	SURCHARGED
480 minute winter	PLOT 5	336	10.002	0.252	2.8	5.6844	0.0000	SURCHARGED

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute winter	63	25.000	62	0.5	0.200	0.196	0.0534	
720 minute summer	64	1.017	62	10.3	0.255	0.162	0.7484	
600 minute winter	SW-10	24.002	24.002:50%	0.8	0.376	0.087	0.0152	
600 minute winter	SW-10	24.002	64	-1.7	0.353	-0.186	0.0152	
600 minute winter	66	24.001	24.001:50%	0.0	-0.007	-0.005	0.0367	
600 minute winter	66	24.001	SW-10	-0.5	0.369	-0.063	0.0367	
480 minute winter	PLOT 1	10.000_1	40	1.6	0.625	0.125	0.0364	
480 minute winter	PLOT 4	15.000_1	31	2.7	0.512	0.207	0.0288	
480 minute winter	PLOT 3	17.000_1	29	1.3	0.448	0.104	0.0353	
480 minute winter	PLOT 2	20.000_1	25	1.0	0.416	0.088	0.0341	
480 minute winter	PLOT 5	22.000_1	21	1.7	0.615	0.147	0.0325	