

Design Settings

Rainfall Methodology	FSR	Maximum Time of Concentration (mins)	99.00
Return Period (years)	1	Maximum Rainfall (mm/hr)	0.0
Additional Flow (%)	0	Minimum Velocity (m/s)	1.00
FSR Region	England and Wales	Connection Type	Level Soffits
M5-60 (mm)	20.000	Minimum Backdrop Height (m)	1.000
Ratio-R	0.400	Preferred Cover Depth (m)	1.200
CV	0.750	Include Intermediate Ground	✓
Time of Entry (mins)	5.00	Enforce best practice design rules	✓

Nodes

Name	Area (ha)	T of E (mins)	Cover Level (m)	Diameter (mm)	Easting (m)	Northing (m)	Depth (m)
S47	0.050	5.00	87.438	1500	451050.725	305369.683	1.273
S48	0.086	5.00	86.192	1500	451087.712	305371.344	1.542
S49	0.088	5.00	85.540	1500	451108.827	305367.783	1.570
S50	0.082	5.00	85.006	1500	451124.708	305373.089	1.691
S51	0.155	5.00	82.847	1500	451187.464	305375.395	1.507
S52	0.059	5.00	82.407	1500	451199.849	305371.818	1.647
S53	0.032	5.00	81.944	1500	451204.320	305358.537	1.614
S54	0.064	5.00	80.292	1500	451255.512	305376.363	1.842
S55	0.061	5.00	80.276	1350	451263.750	305353.462	2.061
S57	0.224	5.00	79.500	1500	451279.630	305362.577	0.540
S58			79.409	1500	451281.116	305359.195	1.427
S59			79.300	1500	451282.947	305355.151	1.472
S60	0.050	5.00	78.775	1500	451288.249	305315.525	1.325
S61			78.100	1500	451291.039	305302.370	1.093
S62	0.108	5.00	82.053	1500	451169.674	305319.604	1.390
S63	0.081	5.00	81.505	1500	451190.062	305319.284	1.595
S64	0.024	5.00	81.261	1500	451212.016	305334.967	1.426
S65	0.089	5.00	80.907	1500	451215.008	305322.562	1.727
S66	0.103	5.00	80.307	1500	451217.734	305296.355	1.827
S67	0.042	5.00	79.884	1350	451213.569	305275.230	1.894
S68	0.260	5.00	78.760	1500	451266.098	305259.319	1.493
S69			78.100	1500	451276.171	305253.862	1.093
S70	0.250	5.00	78.100	1500	451295.865	305256.974	1.100
S71			78.500	3000	451306.929	305256.650	1.525
S72			77.500	1500	451320.232	305256.264	1.144
S73			77.000	1500	451326.151	305256.217	0.700

Links

Name	US Node	DS Node	Length (m)	ks (mm) / n	US IL (m)	DS IL (m)	Fall (m)	Slope (1:X)	Dia (mm)	T of C (mins)	Rain (mm/hr)
13.000	S47	S48	37.024	0.600	86.165	84.725	1.440	25.7	225	5.24	0.0
1.008	S48	S49	21.413	0.600	84.650	83.970	0.680	31.5	300	5.37	0.0
1.009	S49	S50	16.745	0.600	83.970	83.390	0.580	28.9	300	5.46	0.0
1.010	S50	S51	62.798	0.600	83.315	81.340	1.975	31.8	375	5.78	0.0
1.011	S51	S52	12.892	0.600	81.340	80.760	0.580	22.2	375	5.84	0.0
1.012	S52	S53	14.013	0.600	80.760	80.330	0.430	32.6	375	5.91	0.0
1.013	S53	S54	54.207	0.600	80.330	78.525	1.805	30.0	375	6.19	0.0
1.014	S54	S55	24.338	0.600	78.450	78.215	0.235	103.6	450	6.39	0.0
1.015	S55	S59	19.271	0.600	78.215	77.829	0.386	49.9	450	6.50	0.0
25.013	S57	S58	3.693	0.600	78.960	77.982	0.978	3.8	300	5.01	0.0
25.014	S58	S59	4.439	0.600	77.982	77.828	0.154	28.8	300	5.03	0.0
1.016	S59	S60	39.980	0.600	77.828	77.450	0.378	105.8	450	6.84	0.0
1.017	S60	S61	13.448	0.600	77.450	77.300	0.150	89.7	450	6.94	0.0
42.003	S62	S63	20.391	0.600	80.663	79.910	0.753	27.1	300	5.11	0.0
42.004	S63	S65	25.160	0.600	79.910	79.255	0.655	38.4	300	5.28	0.0
46.000	S64	S65	12.761	0.600	79.835	79.330	0.505	25.3	225	5.08	0.0
34.010	S65	S66	26.348	0.600	79.180	78.480	0.700	37.6	375	5.43	0.0
34.011	S66	S67	21.532	0.600	78.480	77.990	0.490	43.9	375	5.56	0.0
34.012	S67	S68	54.886	0.600	77.990	77.342	0.648	84.7	375	6.02	0.0
34.013	S68	S69	11.456	0.600	77.267	77.225	0.042	272.8	450	6.18	0.0
1.019	S70	S71	11.068	0.600	77.000	76.975	0.025	442.7	450	5.19	0.0
1.020	S71	S72	13.309	0.600	76.975	76.356	0.619	21.5	225	5.27	0.0
1.021	S72	S73	5.919	0.600	76.356	76.300	0.056	105.7	225	5.35	0.0

Name	Vel (m/s)	Cap (l/s)	Flow (l/s)	US Depth (m)	DS Depth (m)	Σ Area (ha)	Σ Add Inflow (l/s)
13.000	2.590	103.0	0.0	1.048	1.242	0.050	0.0
1.008	2.811	198.7	0.0	1.242	1.270	0.136	0.0
1.009	2.937	207.6	0.0	1.270	1.316	0.224	0.0
1.010	3.223	355.9	0.0	1.316	1.132	0.306	0.0
1.011	3.857	426.0	0.0	1.132	1.272	0.461	0.0
1.012	3.183	351.6	0.0	1.272	1.239	0.520	0.0
1.013	3.316	366.3	0.0	1.239	1.392	0.552	0.0
1.014	1.997	317.6	0.0	1.392	1.611	0.616	0.0
1.015	2.882	458.4	0.0	1.611	1.021	0.677	0.0
25.013	8.143	575.6	0.0	0.240	1.127	0.224	0.0
25.014	2.939	207.7	0.0	1.127	1.172	0.224	0.0
1.016	1.976	314.3	0.0	1.022	0.875	0.901	0.0
1.017	2.148	341.6	0.0	0.875	0.350	0.951	0.0
42.003	3.033	214.4	0.0	1.090	1.295	0.108	0.0
42.004	2.544	179.8	0.0	1.295	1.352	0.190	0.0
46.000	2.613	103.9	0.0	1.201	1.352	0.024	0.0
34.010	2.961	327.0	0.0	1.352	1.452	0.302	0.0
34.011	2.739	302.6	0.0	1.452	1.519	0.406	0.0
34.012	1.969	217.5	0.0	1.519	1.043	0.448	0.0
34.013	1.226	195.0	0.0	1.043	0.425	0.707	0.0
1.019	0.960	152.6	0.0	0.650	1.075	0.250	0.0
1.020	2.834	112.7	0.0	1.300	0.919	0.250	0.0
1.021	1.271	50.5	0.0	0.919	0.475	0.250	0.0

Simulation Settings

Rainfall Methodology	FSR	Analysis Speed	Detailed
FSR Region	England and Wales	Skip Steady State	x
M5-60 (mm)	20.000	Drain Down Time (mins)	10080
Ratio-R	0.400	Additional Storage (m³/ha)	0.0
Summer CV	0.750	Check Discharge Rate(s)	x
Winter CV	0.840	Check Discharge Volume	x

Storm Durations

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

Return Period (years)	Climate Change (CC %)	Additional Area (A %)	Additional Flow (Q %)
1	0	0	0
30	0	0	0
100	40	0	0

Node S71 Online Hydro-Brake® Control

Flap Valve	x	Objective	(HE) Minimise upstream storage
Replaces Downstream Link	x	Sump Available	✓
Invert Level (m)	76.975	Product Number	CTL-SHE-0146-1000-1000-1000
Design Depth (m)	1.000	Min Outlet Diameter (m)	0.225
Design Flow (l/s)	10.0	Min Node Diameter (mm)	1200

Node S70 Flow through Pond Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Porosity	1.00	Main Channel Length (m)	70.000
Side Inf Coefficient (m/hr)	0.00000	Invert Level (m)	77.000	Main Channel Slope (1:X)	10000.0
Safety Factor	2.0	Time to half empty (mins)	1305	Main Channel n	0.040

Inlets

S61 | S69

Depth (m)	Area (m²)	Inf Area (m²)	Depth (m)	Area (m²)	Inf Area (m²)	Depth (m)	Area (m²)	Inf Area (m²)	Depth (m)	Area (m²)	Inf Area (m²)
0.000	1287.4	0.0	0.300	1454.5	0.0	0.600	1627.9	0.0	0.900	1806.3	0.0
0.100	1341.8	0.0	0.400	1511.7	0.0	0.700	1686.8	0.0	1.000	1866.9	0.0
0.200	1397.9	0.0	0.500	1569.5	0.0	0.800	1746.2	0.0	1.100	2501.0	0.0

Node S57 Depth/Area Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Safety Factor	2.0	Invert Level (m)	78.960
Side Inf Coefficient (m/hr)	0.00000	Porosity	1.00	Time to half empty (mins)	3

Depth (m)	Area (m²)	Inf Area (m²)	Depth (m)	Area (m²)	Inf Area (m²)	Depth (m)	Area (m²)	Inf Area (m²)
0.000	0.0	0.0	0.200	17.5	0.0	0.400	56.6	0.0
0.100	6.1	0.0	0.300	34.3	0.0	0.500	86.8	0.0

Results for 1 year Critical Storm Duration. Lowest mass balance: 99.79%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	S47	10	86.205	0.040	7.0	0.0701	0.0000	OK
15 minute winter	S48	10	84.712	0.062	18.9	0.1094	0.0000	OK
15 minute winter	S49	10	84.052	0.082	31.2	0.1453	0.0000	OK
15 minute winter	S50	10	83.401	0.086	42.4	0.1516	0.0000	OK
15 minute winter	S51	10	81.442	0.102	63.7	0.1796	0.0000	OK
15 minute winter	S52	10	80.885	0.125	71.0	0.2203	0.0000	OK
15 minute winter	S53	11	80.448	0.118	75.3	0.2084	0.0000	OK
15 minute winter	S54	11	78.619	0.169	84.4	0.2991	0.0000	OK
15 minute winter	S55	11	78.359	0.144	92.8	0.2066	0.0000	OK
15 minute winter	S57	10	79.007	0.047	31.6	0.1514	0.0000	OK
15 minute winter	S58	10	78.073	0.091	31.5	0.1612	0.0000	OK
15 minute winter	S59	11	78.033	0.205	123.0	0.3619	0.0000	OK
15 minute winter	S60	11	77.669	0.219	130.0	0.3863	0.0000	OK
480 minute winter	S61	352	77.192	0.185	16.5	0.3273	0.0000	OK
15 minute winter	S62	10	80.717	0.054	15.3	0.0950	0.0000	OK
15 minute winter	S63	10	79.990	0.080	26.7	0.1414	0.0000	OK
15 minute winter	S64	10	79.863	0.028	3.4	0.0500	0.0000	OK
15 minute winter	S65	10	79.270	0.090	42.1	0.1593	0.0000	OK
15 minute winter	S66	10	78.592	0.112	56.4	0.1977	0.0000	OK
15 minute winter	S67	11	78.125	0.135	61.6	0.1930	0.0000	OK
15 minute winter	S68	11	77.512	0.245	97.0	0.4336	0.0000	OK
15 minute winter	S69	11	77.285	0.278	97.2	0.4909	0.0000	OK
480 minute winter	S70	360	77.191	0.191	19.9	0.3367	0.0000	OK
480 minute winter	S71	360	77.190	0.215	9.4	1.5191	0.0000	OK
480 minute winter	S72	360	76.428	0.072	9.4	0.1266	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute winter	S47	13.000	S48	6.8	1.467	0.066	0.1723	
15 minute winter	S48	1.008	S49	18.8	1.447	0.095	0.2796	
15 minute winter	S49	1.009	S50	30.8	2.049	0.148	0.2515	
15 minute winter	S50	1.010	S51	41.8	1.945	0.117	1.3515	
15 minute winter	S51	1.011	S52	62.9	2.254	0.148	0.3615	
15 minute winter	S52	1.012	S53	71.1	2.314	0.202	0.4312	
15 minute winter	S53	1.013	S54	75.9	2.615	0.207	1.5735	
15 minute winter	S54	1.014	S55	84.7	1.724	0.267	1.1962	
15 minute winter	S55	1.015	S59	92.9	1.647	0.203	1.0942	
15 minute winter	S57	25.013	S58	31.5	2.663	0.055	0.0464	
15 minute winter	S58	25.014	S59	31.4	1.157	0.151	0.1510	
15 minute winter	S59	1.016	S60	123.4	1.684	0.393	2.9293	
15 minute winter	S60	1.017	S61	129.6	1.860	0.379	0.9372	
480 minute winter	S61	Flow through pond	S70	15.6	0.017	0.005	250.5959	
15 minute winter	S62	42.003	S63	15.2	1.301	0.071	0.2406	
15 minute winter	S63	42.004	S65	26.2	1.791	0.146	0.3682	
15 minute winter	S64	46.000	S65	3.3	1.184	0.032	0.0361	
15 minute winter	S65	34.010	S66	41.8	1.750	0.128	0.6308	
15 minute winter	S66	34.011	S67	55.7	1.774	0.184	0.6775	
15 minute winter	S67	34.012	S68	61.8	1.474	0.284	2.3135	
15 minute winter	S68	34.013	S69	97.2	1.186	0.499	0.9392	
15 minute winter	S69	Flow through pond	S70	136.2	0.102	0.042	119.2827	
480 minute winter	S70	1.019	S71	9.4	0.188	0.062	0.7667	
480 minute winter	S71	1.020	S72	9.4	1.173	0.084	0.1084	
480 minute winter	S72	1.021	S73	9.4	0.923	0.186	0.0604	379.0



Results for 1 year Critical Storm Duration. Lowest mass balance: 99.79%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute winter	S73	360	76.365	0.065	9.4	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)
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Results for 30 year Critical Storm Duration. Lowest mass balance: 99.79%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	S47	10	86.228	0.063	17.2	0.1109	0.0000	OK
15 minute winter	S48	10	84.748	0.098	46.7	0.1736	0.0000	OK
15 minute winter	S49	10	84.108	0.138	76.8	0.2435	0.0000	OK
15 minute winter	S50	10	83.452	0.137	104.5	0.2416	0.0000	OK
15 minute winter	S51	10	81.515	0.175	157.2	0.3094	0.0000	OK
15 minute winter	S52	10	80.979	0.219	175.6	0.3868	0.0000	OK
15 minute winter	S53	10	80.521	0.191	185.5	0.3367	0.0000	OK
15 minute winter	S54	11	78.748	0.297	206.9	0.5257	0.0000	OK
15 minute winter	S55	11	78.488	0.273	229.3	0.3901	0.0000	OK
15 minute winter	S57	10	79.035	0.075	77.5	0.3051	0.0000	OK
15 minute winter	S58	11	78.295	0.313	77.2	0.5539	0.0000	SURCHARGED
15 minute winter	S59	11	78.249	0.421	303.7	0.7438	0.0000	OK
15 minute winter	S60	11	77.867	0.417	317.9	0.7363	0.0000	OK
480 minute winter	S61	456	77.448	0.441	35.8	0.7790	0.0000	OK
15 minute winter	S62	10	80.747	0.084	37.4	0.1484	0.0000	OK
15 minute winter	S63	10	80.042	0.132	65.4	0.2330	0.0000	OK
15 minute winter	S64	10	79.879	0.044	8.2	0.0778	0.0000	OK
15 minute winter	S65	10	79.328	0.148	103.3	0.2612	0.0000	OK
15 minute winter	S66	10	78.672	0.192	138.5	0.3396	0.0000	OK
15 minute winter	S67	10	78.219	0.229	151.7	0.3272	0.0000	OK
15 minute winter	S68	11	77.717	0.450	241.7	0.7954	0.0000	SURCHARGED
15 minute winter	S69	11	77.508	0.501	238.2	0.8853	0.0000	OK
480 minute winter	S70	464	77.446	0.446	41.1	0.7883	0.0000	OK
480 minute winter	S71	464	77.446	0.471	10.3	3.3289	0.0000	SURCHARGED
60 minute winter	S72	54	76.430	0.074	10.0	0.1306	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute winter	S47	13.000	S48	16.9	1.900	0.164	0.3292	
15 minute winter	S48	1.008	S49	46.4	1.806	0.234	0.5524	
15 minute winter	S49	1.009	S50	76.0	2.569	0.366	0.4955	
15 minute winter	S50	1.010	S51	103.5	2.391	0.291	2.7228	
15 minute winter	S51	1.011	S52	155.2	2.657	0.364	0.7555	
15 minute winter	S52	1.012	S53	174.5	2.852	0.496	0.8618	
15 minute winter	S53	1.013	S54	186.1	2.999	0.508	3.3632	
15 minute winter	S54	1.014	S55	209.3	1.978	0.659	2.5754	
15 minute winter	S55	1.015	S59	230.8	1.809	0.504	2.4512	
15 minute winter	S57	25.013	S58	77.2	2.637	0.134	0.1541	
15 minute winter	S58	25.014	S59	73.7	1.406	0.355	0.3126	
15 minute winter	S59	1.016	S60	301.8	1.965	0.960	6.1447	
15 minute winter	S60	1.017	S61	315.7	2.247	0.924	1.8732	
480 minute winter	S61	Flow through pond	S70	31.7	0.024	0.010	624.7270	
15 minute winter	S62	42.003	S63	37.2	1.633	0.174	0.4682	
15 minute winter	S63	42.004	S65	64.5	2.263	0.358	0.7169	
15 minute winter	S64	46.000	S65	8.1	1.528	0.078	0.0679	
15 minute winter	S65	34.010	S66	102.7	2.117	0.314	1.2800	
15 minute winter	S66	34.011	S67	137.2	2.168	0.453	1.3694	
15 minute winter	S67	34.012	S68	151.8	1.599	0.698	4.9549	
15 minute winter	S68	34.013	S69	238.2	1.609	1.222	1.6515	
15 minute winter	S69	Flow through pond	S70	391.4	0.158	0.122	292.5486	
480 minute winter	S70	1.019	S71	10.3	0.234	0.068	1.7525	
480 minute winter	S71	1.020	S72	10.0	1.189	0.088	0.1130	
60 minute winter	S72	1.021	S73	10.0	0.936	0.197	0.0630	493.0

Results for 30 year Critical Storm Duration. Lowest mass balance: 99.79%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	S73	54	76.367	0.067	10.0	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)
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Results for 100 year +40% CC Critical Storm Duration. Lowest mass balance: 99.79%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	S47	10	86.252	0.087	31.3	0.1531	0.0000	OK
15 minute winter	S48	10	84.790	0.140	84.9	0.2468	0.0000	OK
15 minute winter	S49	10	84.176	0.206	139.8	0.3645	0.0000	OK
15 minute winter	S50	10	83.506	0.191	189.9	0.3377	0.0000	OK
15 minute winter	S51	12	82.101	0.761	286.0	1.3455	0.0000	SURCHARGED
15 minute winter	S52	12	81.773	1.013	286.7	1.7908	0.0000	SURCHARGED
15 minute winter	S53	12	81.335	1.005	299.4	1.7752	0.0000	SURCHARGED
15 minute winter	S54	12	79.944	1.494	326.8	2.6393	0.0000	SURCHARGED
15 minute winter	S55	12	79.581	1.366	359.3	1.9553	0.0000	SURCHARGED
15 minute winter	S57	13	79.347	0.387	140.8	8.5985	0.0000	FLOOD RISK
15 minute winter	S58	12	79.280	1.298	126.4	2.2939	0.0000	FLOOD RISK
15 minute winter	S59	12	79.212	1.384	445.1	2.4460	0.0000	FLOOD RISK
15 minute winter	S60	12	78.240	0.790	469.3	1.3964	0.0000	SURCHARGED
720 minute winter	S61	705	77.848	0.841	47.0	1.4863	0.0000	OK
15 minute winter	S62	10	80.778	0.115	68.0	0.2030	0.0000	OK
15 minute winter	S63	11	80.141	0.231	118.9	0.4083	0.0000	OK
15 minute winter	S64	12	79.898	0.063	15.0	0.1112	0.0000	OK
15 minute winter	S65	11	79.904	0.724	190.2	1.2785	0.0000	SURCHARGED
15 minute winter	S66	11	79.662	1.182	231.7	2.0879	0.0000	SURCHARGED
15 minute winter	S67	11	79.284	1.294	246.9	1.8514	0.0000	SURCHARGED
15 minute winter	S68	11	78.312	1.045	398.0	1.8465	0.0000	SURCHARGED
15 minute winter	S69	11	77.976	0.969	397.2	1.7114	0.0000	OK
720 minute winter	S70	705	77.846	0.846	51.7	1.4957	0.0000	FLOOD RISK
720 minute winter	S71	705	77.846	0.871	10.4	6.1592	0.0000	SURCHARGED
15 minute summer	S72	75	76.430	0.074	10.0	0.1306	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute winter	S47	13.000	S48	30.8	2.236	0.299	0.5102	
15 minute winter	S48	1.008	S49	84.5	2.008	0.425	0.8970	
15 minute winter	S49	1.009	S50	138.2	2.909	0.666	0.7947	
15 minute winter	S50	1.010	S51	188.4	2.587	0.529	5.2086	
15 minute winter	S51	1.011	S52	251.8	2.767	0.591	1.4219	
15 minute winter	S52	1.012	S53	280.7	3.002	0.798	1.5456	
15 minute winter	S53	1.013	S54	295.4	2.996	0.807	5.9789	
15 minute winter	S54	1.014	S55	327.7	2.069	1.032	3.8562	
15 minute winter	S55	1.015	S59	358.2	2.261	0.781	3.0534	
15 minute winter	S57	25.013	S58	126.4	2.589	0.220	0.2601	
15 minute winter	S58	25.014	S59	146.8	2.085	0.707	0.3126	
15 minute winter	S59	1.016	S60	445.0	2.809	1.416	6.3346	
15 minute winter	S60	1.017	S61	469.5	2.963	1.375	2.1092	
720 minute winter	S61	Flow through pond	S70	39.4	0.025	0.012	1286.7716	
15 minute winter	S62	42.003	S63	67.7	1.892	0.316	0.8371	
15 minute winter	S63	42.004	S65	119.5	2.526	0.664	1.6185	
15 minute winter	S64	46.000	S65	18.2	1.760	0.175	0.3116	
15 minute winter	S65	34.010	S66	171.8	2.191	0.525	2.9061	
15 minute winter	S66	34.011	S67	226.1	2.221	0.747	2.3749	
15 minute winter	S67	34.012	S68	249.4	2.262	1.147	6.0538	
15 minute winter	S68	34.013	S69	397.2	2.507	2.037	1.8151	
15 minute winter	S69	Flow through pond	S70	540.5	0.180	0.168	536.8665	
720 minute winter	S70	1.019	S71	10.4	0.217	0.068	1.7537	
720 minute winter	S71	1.020	S72	10.0	1.189	0.088	0.1130	
15 minute summer	S72	1.021	S73	10.0	0.936	0.197	0.0630	493.4



Results for 100 year +40% CC Critical Storm Duration. Lowest mass balance: 99.79%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	S73	73	76.367	0.067	10.0	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)
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