

Results for 2 year Critical Storm Duration. Lowest mass balance: 99.41%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	SPPIC1	11	54.484	0.034	2.1	0.0555	0.0000	OK
15 minute winter	SPPIC2	11	54.190	0.051	4.3	0.0813	0.0000	OK
15 minute winter	SPPIC3	13	54.083	0.053	4.2	0.3410	0.0000	OK
15 minute winter	RAIN GARDEN	14	54.054	0.052	3.8	0.4003	0.0000	OK
15 minute winter	SPPIC4	15	54.029	0.056	7.2	1.1679	0.0000	OK
15 minute winter	SPPIC6	12	54.394	0.044	3.6	0.2596	0.0000	OK
15 minute winter	SPPIC7	12	54.252	0.061	6.5	0.0696	0.0000	OK
15 minute winter	SPPIC9	11	54.254	0.025	1.1	0.0302	0.0000	OK
15 minute winter	SPPIC10	12	54.027	0.032	2.1	0.1491	0.0000	OK
15 minute winter	SPPIC8	12	53.967	0.086	10.8	0.3438	0.0000	OK
15 minute winter	SPPIC5	14	53.792	0.082	21.5	2.4837	0.0000	OK
120 minute winter	SMH8	86	53.444	0.157	11.3	0.2139	0.0000	OK
120 minute winter	SMH1	92	53.444	0.164	3.9	0.2428	0.0000	OK
120 minute winter	SMH2	90	53.443	0.223	6.1	0.3268	0.0000	OK
120 minute winter	SMH3	90	53.445	0.295	6.7	0.4292	0.0000	OK

Link Event (Outflow)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute winter	SPPIC1	1.000	SPPIC2	2.1	0.509	0.112	0.1178	
15 minute winter	SPPIC2	1.001	SPPIC3	4.2	0.831	0.228	0.0528	
15 minute winter	SPPIC3	1.002	RAIN GARDEN	3.8	0.877	0.204	0.0142	
15 minute winter	RAIN GARDEN	1.003	SPPIC4	3.6	0.638	0.195	0.0151	
15 minute winter	SPPIC4	1.004	SPPIC5	5.5	0.707	0.299	0.1916	
15 minute winter	SPPIC6	2.000	SPPIC7	3.4	0.620	0.185	0.0819	
15 minute winter	SPPIC7	2.001	SPPIC8	6.5	0.769	0.351	0.2487	
15 minute winter	SPPIC9	3.000	SPPIC10	1.1	0.487	0.058	0.0487	
15 minute winter	SPPIC10	3.001	SPPIC8	1.9	0.298	0.103	0.0680	
15 minute winter	SPPIC8	2.002	SPPIC5	10.5	1.086	0.573	0.1593	
15 minute winter	SPPIC5	1.005	SMH8	18.6	1.186	0.160	0.6097	
15 minute winter	SMH8	1.006	RAIN GARDEN 2	19.5	1.124	0.058	0.1421	
180 minute winter	SMH1	4.000	SMH2	6.2	0.329	0.024	0.5081	
15 minute winter	SMH2	4.001	SMH3	10.3	0.588	0.038	0.6821	
15 minute winter	SMH3	4.002	SMH4	11.8	0.656	0.047	0.9792	

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120 minute winter	SMH4	90	53.445	0.356	10.1	0.5142	0.0000	OK
120 minute winter	SMH5	90	53.443	0.415	11.9	0.6379	0.0000	OK
120 minute winter	SMH6 HYDRO	90	53.441	0.589	20.4	0.7759	0.0000	SURCHARGED
120 minute winter	SMH7	88	53.444	0.329	11.7	0.3721	0.0000	OK
120 minute winter	RAIN GARDEN 2	88	53.443	0.205	13.1	4.9672	0.0000	OK
15 minute summer	EX MH 7102	1	52.820	0.000	8.6	0.0000	0.0000	OK

Link Event (Outflow)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute winter	SMH4	4.003	SMH5	17.6	0.760	0.071	1.4053	
30 minute summer	SMH5	4.004	SMH6 HYDRO	-24.6	0.294	-0.032	3.0982	
30 minute winter	SMH6 HYDRO	Hydro-Brake®	EX MH 7102	8.6				33.0
15 minute winter	SMH7	1.008	SMH6 HYDRO	27.4	0.373	0.081	2.5803	
15 minute winter	RAIN GARDEN 2	1.007	SMH7	21.0	0.858	0.062	0.7725	

Results for 30 year +35% CC Critical Storm Duration. Lowest mass balance: 99.41%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	SPPIC1	11	54.520	0.070	8.3	0.1690	0.0000	OK
15 minute winter	SPPIC2	11	54.261	0.122	16.9	0.2919	0.0000	OK
180 minute winter	SPPIC3	176	54.209	0.179	4.5	3.6702	0.0000	SURCHARGED
180 minute winter	RAIN GARDEN	176	54.209	0.207	4.5	1.5796	0.0000	SURCHARGED
180 minute winter	SPPIC4	176	54.209	0.236	8.9	17.4825	0.0000	FLOOD RISK
15 minute winter	SPPIC6	14	54.493	0.143	14.1	2.3316	0.0000	OK
15 minute winter	SPPIC7	12	54.461	0.270	21.2	0.3069	0.0000	SURCHARGED
15 minute winter	SPPIC9	11	54.278	0.049	4.4	0.0883	0.0000	OK
120 minute winter	SPPIC10	118	54.210	0.215	4.2	2.7805	0.0000	FLOOD RISK
120 minute winter	SPPIC8	118	54.210	0.329	15.6	4.1639	0.0000	SURCHARGED
180 minute winter	SPPIC5	172	54.208	0.498	38.3	66.1951	0.0000	FLOOD RISK
120 minute winter	SMH8	120	54.211	0.924	27.0	1.2579	0.0000	FLOOD RISK
180 minute winter	SMH1	172	54.213	0.933	3.9	1.3805	0.0000	SURCHARGED
180 minute winter	SMH2	172	54.212	0.992	7.9	1.4558	0.0000	SURCHARGED
180 minute winter	SMH3	172	54.211	1.061	12.3	1.5442	0.0000	SURCHARGED
Link Event (Outflow)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute winter	SPPIC1	1.000	SPPIC2	8.2	0.698	0.445	0.3349	
15 minute winter	SPPIC2	1.001	SPPIC3	16.5	1.161	0.890	0.1519	
15 minute winter	SPPIC3	1.002	RAIN GARDEN	13.0	0.985	0.700	0.0408	
15 minute winter	RAIN GARDEN	1.003	SPPIC4	12.5	0.825	0.676	0.0410	
15 minute winter	SPPIC4	1.004	SPPIC5	17.2	1.014	0.927	0.4052	
15 minute winter	SPPIC6	2.000	SPPIC7	11.7	0.704	0.636	0.2603	
15 minute winter	SPPIC7	2.001	SPPIC8	18.1	1.031	0.988	0.5090	
15 minute winter	SPPIC9	3.000	SPPIC10	4.4	0.707	0.234	0.2316	
15 minute summer	SPPIC10	3.001	SPPIC8	6.0	0.385	0.320	0.1806	
15 minute summer	SPPIC8	2.002	SPPIC5	21.7	1.251	1.180	0.2816	
15 minute summer	SPPIC5	1.005	SMH8	49.4	1.261	0.426	2.7254	
30 minute summer	SMH8	1.006	RAIN GARDEN 2	44.9	1.152	0.133	0.7187	
15 minute summer	SMH1	4.000	SMH2	17.5	0.565	0.067	1.4523	
15 minute summer	SMH2	4.001	SMH3	34.9	0.702	0.130	1.5936	
15 minute summer	SMH3	4.002	SMH4	38.4	0.709	0.154	1.6313	

Results for 30 year +35% CC Critical Storm Duration. Lowest mass balance: 99.41%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute winter	SMH4	172	54.209	1.120	16.7	1.6191	0.0000	SURCHARGED
180 minute winter	SMH5	172	54.209	1.181	22.1	1.8149	0.0000	SURCHARGED
120 minute winter	SMH6 HYDRO	116	54.208	1.356	29.0	1.7854	0.0000	SURCHARGED
180 minute winter	SMH7	172	54.207	1.092	18.2	1.2346	0.0000	SURCHARGED
180 minute winter	RAIN GARDEN 2	168	54.208	0.970	18.5	23.5459	0.0000	SURCHARGED
15 minute summer	EX MH 7102	1	52.820	0.000	8.6	0.0000	0.0000	OK

Link Event (Outflow)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	SMH4	4.003	SMH5	42.1	0.876	0.169	1.6282	
15 minute winter	SMH5	4.004	SMH6 HYDRO	64.3	0.459	0.084	4.0026	
15 minute summer	SMH6 HYDRO	Hydro-Brake®	EX MH 7102	8.6				90.2
30 minute winter	SMH7	1.008	SMH6 HYDRO	-56.6	-0.357	-0.168	3.2075	
30 minute winter	RAIN GARDEN 2	1.007	SMH7	-56.9	0.918	-0.169	1.7920	

Results for 100 year +40% CC Critical Storm Duration. Lowest mass balance: 99.41%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	SPPIC1	11	54.533	0.083	11.0	0.2225	0.0000	OK
180 minute winter	SPPIC2	176	54.382	0.243	6.0	0.9001	0.0000	SURCHARGED
180 minute winter	SPPIC3	180	54.382	0.352	6.1	9.7156	0.0000	FLOOD RISK
180 minute winter	RAIN GARDEN	180	54.382	0.380	5.6	2.8973	0.0000	FLOOD RISK
180 minute winter	SPPIC4	180	54.382	0.409	13.2	36.7513	0.0000	FLOOD RISK
15 minute winter	SPPIC6	15	54.596	0.246	18.8	5.0976	0.0000	SURCHARGED
15 minute winter	SPPIC7	13	54.562	0.371	22.6	0.4220	0.0000	FLOOD RISK
180 minute winter	SPPIC9	176	54.383	0.154	1.6	0.6412	0.0000	SURCHARGED
180 minute winter	SPPIC10	176	54.383	0.388	3.8	5.3570	0.0000	FLOOD RISK
180 minute winter	SPPIC8	176	54.383	0.502	13.9	9.4470	0.0000	FLOOD RISK
180 minute winter	SPPIC5	176	54.380	0.670	41.9	97.0949	0.0000	FLOOD RISK
180 minute winter	SMH8	172	54.385	1.098	21.9	1.4957	0.0000	FLOOD RISK
180 minute winter	SMH1	172	54.382	1.102	5.2	1.6314	0.0000	SURCHARGED
180 minute winter	SMH2	160	54.386	1.166	10.1	1.7120	0.0000	SURCHARGED
180 minute winter	SMH3	180	54.382	1.232	15.1	1.7920	0.0000	SURCHARGED

Link Event (Outflow)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute winter	SPPIC1	1.000	SPPIC2	10.9	0.726	0.590	0.3936	
15 minute winter	SPPIC2	1.001	SPPIC3	20.3	1.223	1.096	0.1762	
15 minute winter	SPPIC3	1.002	RAIN GARDEN	14.9	1.027	0.805	0.0460	
15 minute summer	RAIN GARDEN	1.003	SPPIC4	13.8	0.821	0.743	0.0461	
15 minute summer	SPPIC4	1.004	SPPIC5	17.6	1.021	0.952	0.4247	
15 minute summer	SPPIC6	2.000	SPPIC7	12.0	0.707	0.654	0.2623	
15 minute summer	SPPIC7	2.001	SPPIC8	18.7	1.063	1.018	0.5090	
15 minute winter	SPPIC9	3.000	SPPIC10	5.8	0.744	0.309	0.2505	
30 minute winter	SPPIC10	3.001	SPPIC8	4.5	0.341	0.240	0.1806	
15 minute winter	SPPIC8	2.002	SPPIC5	22.1	1.275	1.201	0.2816	
15 minute winter	SPPIC5	1.005	SMH8	-69.0	1.270	-0.595	2.7383	
15 minute winter	SMH8	1.006	RAIN GARDEN 2	-64.1	1.320	-0.190	0.7187	
15 minute summer	SMH1	4.000	SMH2	18.9	0.598	0.072	1.4523	
15 minute winter	SMH2	4.001	SMH3	34.1	0.711	0.127	1.5936	
15 minute winter	SMH3	4.002	SMH4	51.5	0.729	0.207	1.6313	

Results for 100 year +40% CC Critical Storm Duration. Lowest mass balance: 99.41%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute winter	SMH4	180	54.380	1.291	20.0	1.8653	0.0000	SURCHARGED
180 minute winter	SMH5	172	54.380	1.352	26.6	2.0773	0.0000	SURCHARGED
180 minute winter	SMH6 HYDRO	180	54.380	1.528	29.8	2.0124	0.0000	SURCHARGED
180 minute winter	SMH7	176	54.379	1.264	22.2	1.4292	0.0000	SURCHARGED
180 minute winter	RAIN GARDEN 2	176	54.380	1.142	22.0	27.7194	0.0000	SURCHARGED
15 minute summer	EX MH 7102	1	52.820	0.000	8.6	0.0000	0.0000	OK

Link Event (Outflow)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute winter	SMH4	4.003	SMH5	61.6	0.905	0.248	1.6282	
15 minute winter	SMH5	4.004	SMH6 HYDRO	84.8	0.472	0.111	4.0026	
15 minute summer	SMH6 HYDRO	Hydro-Brake®	EX MH 7102	8.6				114.1
15 minute winter	SMH7	1.008	SMH6 HYDRO	-87.2	-0.551	-0.259	3.2075	
15 minute winter	RAIN GARDEN 2	1.007	SMH7	-84.6	0.688	-0.251	1.7920	