Results for 1 year Critical Storm Duration. Lowest mass balance: 99.62%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	SMH1	10	105.278	0.032	2.4	0.0443	0.0000	OK
15 minute winter	SMH2	10	105.154	0.059	8.7	0.1052	0.0000	OK
15 minute winter	SMH3	10	105.054	0.084	14.9	0.1437	0.0000	OK
15 minute winter	SMH4	11	104.976	0.091	18.8	0.1373	0.0000	OK
15 minute winter	SMH5	11	104.823	0.101	23.5	0.1578	0.0000	OK
15 minute winter	SMH6	11	104.554	0.113	31.0	0.1959	0.0000	OK
15 minute winter	SMH7	11	104.509	0.226	48.8	0.2557	0.0000	OK
15 minute winter	SMH8	10	104.578	0.095	17.5	0.1072	0.0000	OK
360 minute winter	CELLULAR STORAGE	280	104.440	0.286	14.4	79.1197	0.0000	OK
360 minute winter	SMH9 HYDRO	280	104.440	0.328	3.9	0.4290	0.0000	OK
360 minute winter	SPPIC1	280	103.973	0.052	3.7	0.0146	0.0000	OK
360 minute winter	RAIN GARDEN	280	103.946	0.038	3.7	0.2995	0.0000	OK
360 minute winter	EX OUTFALL MH01	280	103.914	0.034	3.7	0.0000	0.0000	OK
15 minute winter	SMH11	10	105.038	0.060	8.6	0.1284	0.0000	OK
15 minute winter	SMH10	10	104.716	0.095	17.8	0.1911	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	SMH1	1.000	SMH2	2.4	0.352	0.024	0.1288	
15 minute winter	SMH2	1.001	SMH3	8.6	0.668	0.086	0.1993	
15 minute winter	SMH3	1.002	SMH4	14.6	0.861	0.146	0.1782	
15 minute winter	SMH4	1.003	SMH5	18.8	0.972	0.188	0.3901	
15 minute winter	SMH5	1.004	SMH6	23.7	1.054	0.237	0.7797	
15 minute winter	SMH6	1.005	SMH7	31.0	0.769	0.310	0.7820	
15 minute winter	SMH7	1.006	CELLULAR STORAGE	47.6	0.970	0.968	1.3289	
15 minute winter	SMH8	2.002	SMH7	17.8	0.990	0.336	0.2616	
360 minute winter	CELLULAR STORAGE	1.007	SMH9 HYDRO	3.6	0.186	0.041	2.0164	
360 minute winter	SMH9 HYDRO	Hydro-Brake®	SPPIC1	3.7				
360 minute winter	SPPIC1	1.009	RAIN GARDEN	3.7	0.500	0.044	0.0574	
360 minute winter	RAIN GARDEN	1.010	EX OUTFALL MH01	3.7	0.776	0.027	0.0086	135.9
15 minute winter	SMH11	2.000	SMH10	8.4	0.696	0.158	0.4166	
15 minute winter	SMH10	2.001	SMH8	17.5	1.123	0.329	0.2101	

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Results for 1 year Critical Storm Duration. Lowest mass balance: 99.62%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	SMH12	10	104.660	0.035	4.2	0.0449	0.0000	OK
15 minute winter	SMH13	10	105.076	0.026	2.4	0.0366	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	SMH12	3.001	SMH9 HYDRO	4.1	1.078	0.049	0.0542	
15 minute winter	SMH13	3.000	SMH12	2.4	0.743	0.029	0.0538	

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Results for 30 year +40% CC Critical Storm Duration. Lowest mass balance: 99.62%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	SMH1	12	105.361	0.115	8.3	0.1606	0.0000	OK
15 minute winter	SMH2	12	105.340	0.245	30.1	0.4341	0.0000	OK
15 minute winter	SMH3	12	105.331	0.361	52.7	0.6197	0.0000	SURCHARGED
15 minute winter	SMH4	12	105.312	0.427	58.6	0.6431	0.0000	SURCHARGED
360 minute winter	SMH5	352	105.283	0.561	16.2	0.8789	0.0000	SURCHARGED
360 minute winter	SMH6	352	105.283	0.841	21.4	1.4549	0.0000	SURCHARGED
360 minute winter	SMH7	352	105.282	0.999	31.4	1.1304	0.0000	SURCHARGED
360 minute winter	SMH8	352	105.283	0.799	11.6	0.9042	0.0000	SURCHARGED
360 minute winter	CELLULAR STORAGE	352	105.282	1.128	41.1	312.3555	0.0000	SURCHARGED
360 minute winter	SMH9 HYDRO	352	105.282	1.170	4.3	1.5318	0.0000	SURCHARGED
15 minute winter	SPPIC1	54	103.973	0.052	3.8	0.0146	0.0000	OK
15 minute winter	RAIN GARDEN	55	103.946	0.039	3.8	0.3002	0.0000	OK
15 minute winter	EX OUTFALL MH01	52	103.914	0.034	3.8	0.0000	0.0000	OK
15 minute winter	SMH11	12	105.403	0.425	29.3	0.9054	0.0000	SURCHARGED
15 minute winter	SMH10	12	105.319	0.698	56.7	1.4083	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	SMH1	1.000	SMH2	8.2	0.481	0.082	0.8063	
15 minute winter	SMH2	1.001	SMH3	31.2	0.832	0.312	1.0156	
15 minute summer	SMH3	1.002	SMH4	48.3	1.054	0.482	0.7369	
30 minute summer	SMH4	1.003	SMH5	61.0	1.234	0.610	1.4168	
15 minute winter	SMH5	1.004	SMH6	63.7	1.117	0.637	2.4371	
15 minute winter	SMH6	1.005	SMH7	82.7	1.174	0.827	1.3587	
15 minute winter	SMH7	1.006	CELLULAR STORAGE	133.9	1.902	2.721	1.8808	
15 minute winter	SMH8	2.002	SMH7	50.9	1.279	0.957	0.4761	
15 minute winter	CELLULAR STORAGE	1.007	SMH9 HYDRO	-17.4	-0.461	-0.196	2.3057	
15 minute winter	SMH9 HYDRO	Hydro-Brake®	SPPIC1	3.8				
15 minute winter	SPPIC1	1.009	RAIN GARDEN	3.8	0.619	0.044	0.0576	
15 minute winter	RAIN GARDEN	1.010	EX OUTFALL MH01	3.8	0.777	0.027	0.0086	110.7
15 minute winter	SMH11	2.000	SMH10	26.4	0.840	0.497	1.3587	
15 minute winter	SMH10	2.001	SMH8	50.5	1.269	0.950	0.5268	

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Results for 30 year +40% CC Critical Storm Duration. Lowest mass balance: 99.62%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute winter	SMH12	352	105.282	0.657	2.8	0.8484	0.0000	SURCHARGED
360 minute winter	SMH13	352	105.282	0.232	1.6	0.3246	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	SMH12	3.001	SMH9 HYDRO	14.2	1.522	0.171	0.3048	
15 minute winter	SMH13	3.000	SMH12	8.2	1.048	0.099	0.1320	

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Results for 100 year +45% CC Critical Storm Duration. Lowest mass balance: 99.62%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute winter	SMH1	352	106.324	1.078	2.1	1.5059	0.0000	SURCHARGED
360 minute winter	SMH2	352	106.324	1.229	7.8	2.1764	0.0000	SURCHARGED
360 minute winter	SMH3	352	106.324	1.354	13.3	2.3219	0.0000	SURCHARGED
360 minute winter	SMH4	352	106.324	1.439	17.2	2.1669	0.0000	SURCHARGED
360 minute winter	SMH5	352	106.324	1.602	20.8	2.5115	0.0000	FLOOD RISK
360 minute winter	SMH6	352	106.324	1.883	26.2	3.2550	0.0000	FLOOD RISK
360 minute winter	SMH7	352	106.324	2.041	40.5	2.3078	0.0000	FLOOD RISK
360 minute winter	SMH8	352	106.324	1.841	15.1	2.0818	0.0000	SURCHARGED
360 minute winter	CELLULAR STORAGE	352	106.323	2.169	55.1	416.3141	0.0000	FLOOD RISK
360 minute winter	SMH9 HYDRO	352	106.323	2.211	5.9	2.8945	0.0000	FLOOD RISK
360 minute winter	SPPIC1	352	103.979	0.058	4.8	0.0165	0.0000	OK
360 minute winter	RAIN GARDEN	360	103.951	0.044	4.8	0.3429	0.0000	OK
360 minute winter	EX OUTFALL MH01	360	103.918	0.038	4.8	0.0000	0.0000	OK
360 minute winter	SMH11	352	106.324	1.346	7.6	2.8670	0.0000	FLOOD RISK
360 minute winter	SMH10	352	106.324	1.703	15.9	3.4362	0.0000	FLOOD RISK

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	SMH1	1.000	SMH2	-17.1	0.492	-0.171	1.3134	
15 minute summer	SMH2	1.001	SMH3	36.1	0.858	0.361	1.0832	
15 minute summer	SMH3	1.002	SMH4	58.9	1.041	0.589	0.7369	
15 minute winter	SMH4	1.003	SMH5	65.5	1.168	0.655	1.4168	
15 minute winter	SMH5	1.004	SMH6	82.0	1.164	0.819	2.4371	
15 minute winter	SMH6	1.005	SMH7	108.2	1.537	1.082	1.3587	
15 minute winter	SMH7	1.006	CELLULAR STORAGE	172.6	2.451	3.507	1.9162	
15 minute winter	SMH8	2.002	SMH7	64.7	1.627	1.217	0.4761	
15 minute winter	CELLULAR STORAGE	1.007	SMH9 HYDRO	-23.3	-0.502	-0.263	2.3129	
360 minute winter	SMH9 HYDRO	Hydro-Brake®	SPPIC1	4.8				
360 minute winter	SPPIC1	1.009	RAIN GARDEN	4.8	0.538	0.057	0.0690	
360 minute winter	RAIN GARDEN	1.010	EX OUTFALL MH01	4.8	0.832	0.035	0.0103	379.1
15 minute winter	SMH11	2.000	SMH10	31.1	0.847	0.586	1.3587	
15 minute winter	SMH10	2.001	SMH8	65.3	1.641	1.228	0.5268	

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Results for 100 year +45% CC Critical Storm Duration. Lowest mass balance: 99.62%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute winter	SMH12	352	106.323	1.698	3.7	2.1926	0.0000	FLOOD RISK
360 minute winter	SMH13	352	106.323	1.273	2.1	1.7802	0.0000	FLOOD RISK

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	SMH12	3.001	SMH9 HYDRO	19.1	1.609	0.229	0.3351	
15 minute winter	SMH13	3.000	SMH12	10.9	1.163	0.131	0.1633	

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