

Results for 1 year Critical Storm Duration. Lowest mass balance: 99.65%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
15 minute winter	SPPIC1	11	232.269	0.040	3.2	0.0325	0.0000	OK
15 minute winter	SPPIC2	11	232.185	0.049	5.0	0.0270	0.0000	OK
15 minute winter	SPPIC3	11	232.082	0.073	10.5	0.0761	0.0000	OK
15 minute winter	SPPIC4	11	231.982	0.101	16.0	0.0979	0.0000	OK
15 minute winter	SPPIC5	11	231.914	0.108	19.1	0.0717	0.0000	OK
15 minute winter	SPPIC6	11	231.813	0.119	23.1	0.0857	0.0000	OK
30 minute winter	SPPIC7	23	231.752	0.119	21.2	8.6112	0.0000	OK
60 minute winter	SPPIC8	44	231.660	0.076	13.2	5.4498	0.0000	OK
15 minute winter	SMH1	11	232.230	0.045	4.2	0.0863	0.0000	OK
15 minute winter	SMH2	11	232.017	0.072	10.7	0.1323	0.0000	OK
60 minute winter	SPPIC9	43	231.521	0.077	11.2	0.0372	0.0000	OK
360 minute winter	SPPIC10	280	231.389	0.086	7.2	0.0610	0.0000	OK
360 minute winter	SPPIC11	280	231.388	0.231	9.0	52.8652	0.0000	OK
15 minute winter	SPPIC14	11	232.246	0.030	1.1	0.0139	0.0000	OK
15 minute winter	SMH3	11	231.793	0.089	15.6	0.1515	0.0000	OK

Link Event (Outflow)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
15 minute winter	SPPIC1	1.000	SPPIC2	3.2	0.576	0.068	0.0620	
15 minute winter	SPPIC2	1.001	SPPIC3	5.0	0.575	0.105	0.1335	
15 minute winter	SPPIC3	1.002	SPPIC4	10.5	0.742	0.221	0.2169	
15 minute winter	SPPIC4	1.003	SPPIC5	15.9	0.886	0.336	0.1624	
15 minute winter	SPPIC5	1.004	SPPIC6	19.1	0.954	0.403	0.2699	
15 minute winter	SPPIC6	1.005	SPPIC7	23.1	1.643	0.487	0.1318	
30 minute winter	SPPIC7	1.006	SPPIC8	13.4	1.014	0.638	0.4367	
60 minute winter	SPPIC8	1.007	SPPIC9	10.7	0.908	0.227	0.1993	
15 minute winter	SMH1	2.000	SMH2	4.2	0.514	0.088	0.2385	
15 minute winter	SMH2	2.001	SMH3	10.5	0.824	0.222	0.3693	
60 minute winter	SPPIC9	1.008	SPPIC10	11.2	0.915	0.236	0.2094	
60 minute winter	SPPIC10	1.009	SPPIC11	12.2	1.055	0.253	0.2644	
15 minute winter	SPPIC11	1.010	SMH7 HYDRO	-21.1	-0.937	-0.232	0.2058	
15 minute winter	SPPIC14	3.00	SMH2	1.1	0.271	0.197	0.1302	
15 minute winter	SMH3	2.002	SMH4	15.3	0.937	0.324	0.4906	

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Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
15 minute winter	SMH4	12	231.561	0.106	17.8	0.1546	0.0000	OK
15 minute winter	SMH5	12	231.487	0.108	19.2	0.1386	0.0000	OK
360 minute winter	SMH6	280	231.388	0.109	5.2	0.1367	0.0000	OK
360 minute winter	SMH7 HYDRO	280	231.388	0.275	5.5	0.5295	0.0000	OK
360 minute winter	SMH8	280	231.071	0.048	4.1	0.0538	0.0000	OK
360 minute winter	EXG C1	280	229.813	0.043	4.1	0.0486	0.0000	OK
360 minute winter	Outfall	280	229.743	0.041	4.1	0.0000	0.0000	OK

Link Event (Outflow)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
15 minute winter	SMH4	2.003	SMH5	17.8	0.963	0.376	0.1688	
15 minute winter	SMH5	2.004	SMH6	19.3	1.065	0.407	0.2171	
15 minute winter	SMH6	2.005	SMH7 HYDRO	20.4	0.772	0.431	0.5716	
360 minute winter	SMH7 HYDRO	Hydro-Brake [®]	SMH8	4.1				
360 minute winter	SMH8	1.012	EXG C1	4.1	0.619	0.045	0.0168	
360 minute winter	EXG C1	1.013	Outfall	4.1	0.691	0.041	0.0491	105.8

Results for 30 year +40% CC Critical Storm Duration. Lowest mass balance: 99.65%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
15 minute winter	SPPIC1	12	232.522	0.293	10.9	0.2375	0.0000	SURCHARGED
15 minute winter	SPPIC2	12	232.517	0.381	15.5	0.2100	0.0000	SURCHARGED
15 minute winter	SPPIC3	12	232.499	0.490	31.9	0.5099	0.0000	SURCHARGED
15 minute winter	SPPIC4	12	232.425	0.544	48.6	0.5290	0.0000	SURCHARGED
15 minute winter	SPPIC5	12	232.306	0.500	58.2	0.3315	0.0000	SURCHARGED
30 minute winter	SPPIC6	21	232.093	0.399	62.9	0.2884	0.0000	SURCHARGED
360 minute winter	SPPIC7	352	231.994	0.361	17.6	26.0188	0.0000	SURCHARGED
360 minute winter	SPPIC8	352	231.993	0.409	17.8	29.5402	0.0000	SURCHARGED
15 minute winter	SMH1	13	232.349	0.164	14.3	0.3144	0.0000	OK
15 minute winter	SMH2	13	232.333	0.388	36.1	0.7143	0.0000	SURCHARGED
360 minute winter	SPPIC9	352	231.993	0.549	18.2	0.2647	0.0000	SURCHARGED
360 minute winter	SPPIC10	352	231.993	0.690	19.9	0.4919	0.0000	SURCHARGED
360 minute winter	SPPIC11	352	231.993	0.836	30.2	190.8877	0.0000	SURCHARGED
15 minute winter	SPPIC14	13	232.412	0.196	3.8	0.0906	0.0000	SURCHARGED
15 minute winter	SMH3	13	232.225	0.521	46.7	0.8840	0.0000	SURCHARGED

Link Event (Outflow)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
15 minute summer	SPPIC1	1.000	SPPIC2	10.7	0.761	0.226	0.4147	
15 minute summer	SPPIC2	1.001	SPPIC3	17.7	0.707	0.373	0.6054	
15 minute winter	SPPIC3	1.002	SPPIC4	31.4	0.847	0.662	0.6086	
15 minute winter	SPPIC4	1.003	SPPIC5	48.2	1.212	1.017	0.3587	
15 minute winter	SPPIC5	1.004	SPPIC6	57.8	1.452	1.218	0.5362	
15 minute winter	SPPIC6	1.005	SPPIC7	69.6	1.888	1.469	0.2935	
30 minute winter	SPPIC7	1.006	SPPIC8	41.5	1.224	1.976	1.0828	
30 minute winter	SPPIC8	1.007	SPPIC9	37.0	1.134	0.780	0.6248	
15 minute winter	SMH1	2.000	SMH2	14.0	0.675	0.295	1.0203	
30 minute summer	SMH2	2.001	SMH3	32.5	1.007	0.685	1.1485	
30 minute winter	SPPIC9	1.008	SPPIC10	36.6	1.087	0.773	0.6746	
60 minute winter	SPPIC10	1.009	SPPIC11	40.4	1.214	0.837	0.6710	
15 minute winter	SPPIC11	1.010	SMH7 HYDRO	-57.8	-1.418	-0.635	0.4602	
30 minute summer	SPPIC14	3.00	SMH2	3.7	0.505	0.665	0.2544	
15 minute winter	SMH3	2.002	SMH4	42.7	1.077	0.902	1.1887	

Results for 30 year +40% CC Critical Storm Duration. Lowest mass balance: 99.65%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
360 minute winter	SMH4	352	231.993	0.538	13.4	0.7860	0.0000	SURCHARGED
360 minute winter	SMH5	352	231.993	0.614	13.8	0.7913	0.0000	SURCHARGED
360 minute winter	SMH6	352	231.993	0.714	14.6	0.8915	0.0000	SURCHARGED
360 minute winter	SMH7 HYDRO	352	231.993	0.880	15.2	1.6915	0.0000	SURCHARGED
60 minute summer	SMH8	44	231.071	0.048	4.2	0.0545	0.0000	OK
60 minute summer	EXG C1	44	229.814	0.044	4.2	0.0493	0.0000	OK
30 minute winter	Outfall	32	229.744	0.042	4.2	0.0000	0.0000	OK

Link Event (Outflow)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
15 minute winter	SMH4	2.003	SMH5	50.0	1.256	1.054	0.3622	
15 minute winter	SMH5	2.004	SMH6	54.4	1.369	1.148	0.4759	
15 minute winter	SMH6	2.005	SMH7 HYDRO	58.1	1.462	1.227	0.7929	
30 minute summer	SMH7 HYDRO	Hydro-Brake®	SMH8	4.2				
60 minute summer	SMH8	1.012	EXG C1	4.2	0.624	0.046	0.0171	
30 minute winter	EXG C1	1.013	Outfall	4.2	0.696	0.042	0.0500	66.5

Results for 100 year +45% CC Critical Storm Duration. Lowest mass balance: 99.65%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
15 minute winter	SPPIC1	12	233.069	0.840	14.6	0.6803	0.0000	FLOOD RISK
15 minute winter	SPPIC2	12	233.060	0.924	19.8	0.5089	0.0000	FLOOD RISK
15 minute winter	SPPIC3	12	233.032	1.023	41.8	1.0637	0.0000	FLOOD RISK
15 minute winter	SPPIC4	12	232.905	1.024	63.9	0.9959	0.0000	SURCHARGED
15 minute winter	SPPIC5	12	232.701	0.895	76.5	0.5931	0.0000	SURCHARGED
360 minute winter	SPPIC6	352	232.379	0.685	22.3	0.4956	0.0000	SURCHARGED
360 minute winter	SPPIC7	352	232.379	0.746	23.2	53.8242	0.0000	SURCHARGED
360 minute winter	SPPIC8	352	232.379	0.795	21.0	57.3464	0.0000	SURCHARGED
15 minute winter	SMH1	13	232.925	0.740	19.2	1.4201	0.0000	FLOOD RISK
15 minute winter	SMH2	13	232.898	0.953	43.1	1.7526	0.0000	SURCHARGED
360 minute winter	SPPIC9	352	232.379	0.935	19.9	0.4504	0.0000	SURCHARGED
360 minute winter	SPPIC10	352	232.378	1.075	21.8	0.7667	0.0000	FLOOD RISK
360 minute winter	SPPIC11	352	232.378	1.221	34.5	228.6416	0.0000	FLOOD RISK
15 minute winter	SPPIC14	13	232.988	0.772	5.0	0.3566	0.0000	SURCHARGED
15 minute winter	SMH3	13	232.733	1.029	55.3	1.7456	0.0000	SURCHARGED

Link Event (Outflow)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
15 minute winter	SPPIC1	1.000	SPPIC2	12.6	0.788	0.267	0.4427	
15 minute winter	SPPIC2	1.001	SPPIC3	20.4	0.694	0.430	0.6054	
15 minute winter	SPPIC3	1.002	SPPIC4	41.1	1.033	0.866	0.6086	
15 minute winter	SPPIC4	1.003	SPPIC5	63.2	1.588	1.332	0.3587	
15 minute winter	SPPIC5	1.004	SPPIC6	75.7	1.904	1.597	0.5362	
15 minute winter	SPPIC6	1.005	SPPIC7	91.6	2.304	1.933	0.2935	
30 minute winter	SPPIC7	1.006	SPPIC8	51.5	1.303	2.448	1.1596	
15 minute winter	SPPIC8	1.007	SPPIC9	39.3	1.163	0.829	0.6390	
15 minute winter	SMH1	2.000	SMH2	16.7	0.692	0.353	1.1470	
15 minute winter	SMH2	2.001	SMH3	35.8	1.020	0.756	1.1485	
15 minute winter	SPPIC9	1.008	SPPIC10	38.3	1.114	0.807	0.6746	
60 minute summer	SPPIC10	1.009	SPPIC11	46.6	1.236	0.965	0.6710	
15 minute winter	SPPIC11	1.010	SMH7 HYDRO	-70.7	-1.494	-0.777	0.4602	
15 minute winter	SPPIC14	3.00	SMH2	4.9	0.631	0.897	0.2544	
15 minute winter	SMH3	2.002	SMH4	53.4	1.342	1.126	1.1887	

Results for 100 year +45% CC Critical Storm Duration. Lowest mass balance: 99.65%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
360 minute winter	SMH4	352	232.378	0.923	16.8	1.3490	0.0000	SURCHARGED
360 minute winter	SMH5	352	232.378	0.999	18.1	1.2880	0.0000	SURCHARGED
360 minute winter	SMH6	352	232.378	1.099	19.1	1.3726	0.0000	SURCHARGED
360 minute winter	SMH7 HYDRO	352	232.378	1.265	19.9	2.4321	0.0000	FLOOD RISK
60 minute winter	SMH8	36	231.071	0.048	4.2	0.0545	0.0000	OK
120 minute winter	EXG C1	60	229.814	0.044	4.2	0.0493	0.0000	OK
30 minute winter	Outfall	25	229.744	0.042	4.2	0.0000	0.0000	OK

Link Event (Outflow)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
15 minute winter	SMH4	2.003	SMH5	62.2	1.565	1.313	0.3622	
15 minute winter	SMH5	2.004	SMH6	67.5	1.698	1.424	0.4759	
15 minute winter	SMH6	2.005	SMH7 HYDRO	71.6	1.799	1.510	0.7929	
15 minute summer	SMH7 HYDRO	Hydro-Brake®	SMH8	4.2				
120 minute winter	SMH8	1.012	EXG C1	4.2	0.624	0.046	0.0171	
30 minute winter	EXG C1	1.013	Outfall	4.2	0.696	0.042	0.0500	65.7