

Results for 1 year Critical Storm Duration. Lowest mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	SPPIC1	12	99.764	0.014	0.3	0.0035	0.0000	OK
15 minute summer	SPPIC2	11	99.627	0.019	0.6	0.0046	0.0000	OK
15 minute winter	SPPIC3	13	99.561	0.025	1.0	0.1827	0.0000	OK
15 minute summer	SPPIC4	12	99.584	0.014	0.3	0.0032	0.0000	OK
30 minute winter	SPPIC5	26	99.493	0.018	0.7	0.2574	0.0000	OK
60 minute winter	SPPIC6	38	99.470	0.020	0.8	0.0960	0.0000	OK
15 minute winter	SPPIC7	13	99.428	0.035	1.8	0.2301	0.0000	OK
15 minute summer	SPPIC8	12	99.556	0.014	0.3	0.0033	0.0000	OK
60 minute winter	SPPIC9	41	99.358	0.028	1.4	0.4812	0.0000	OK
60 minute winter	SPPIC10	40	99.295	0.034	1.9	0.2685	0.0000	OK
15 minute summer	SPPIC11	12	99.426	0.014	0.3	0.0031	0.0000	OK
15 minute winter	SPPIC12	12	99.418	0.016	0.4	0.0042	0.0000	OK
15 minute winter	Intersection	12	99.269	0.016	0.4	0.0000	0.0000	OK
60 minute winter	SPPIC13	42	99.238	0.036	2.0	0.2984	0.0000	OK
15 minute summer	SPPIC14	11	99.331	0.013	0.2	0.0026	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	0.3	0.293	0.017	0.0147	
15 minute winter	SPPIC2	1.001	SPPIC3	0.6	0.453	0.034	0.0113	
15 minute winter	SPPIC3	1.002	SPPIC5	0.8	0.765	0.047	0.0078	
15 minute summer	SPPIC4	2.000	SPPIC6	0.3	0.357	0.017	0.0115	
30 minute winter	SPPIC5	1.003	SPPIC6	0.5	0.399	0.028	0.0030	
60 minute winter	SPPIC6	1.004	SPPIC7	0.7	0.392	0.039	0.0112	
15 minute winter	SPPIC7	1.005	SPPIC9	1.7	0.893	0.098	0.0143	
15 minute winter	SPPIC8	3.000	SPPIC7	0.3	0.194	0.017	0.0286	
60 minute winter	SPPIC9	1.006	SPPIC10	1.3	0.497	0.073	0.0182	
60 minute winter	SPPIC10	1.007	SPPIC13	1.9	0.610	0.104	0.0183	
15 minute winter	SPPIC11	4.000	SPPIC10	0.3	0.244	0.017	0.0245	
15 minute winter	SPPIC12	5.000	Intersection	0.4	0.412	0.023	0.0145	0.2
60 minute winter	SPPIC13	1.008	SPPIC15	1.9	0.637	0.108	0.0107	
15 minute winter	SPPIC14	6.000	SPPIC15	0.2	0.497	0.012	0.0186	

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Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	SPPIC15	44	99.201	0.034	2.0	0.3663	0.0000	OK
60 minute winter	SMH1 HYDRO	44	99.162	0.065	2.0	0.0740	0.0000	OK
15 minute summer	CMH1	1	99.078	0.000	1.2	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)
60 minute winter	SPPIC15	1.009	SMH1 HYDRO	2.0	0.393	0.112	0.0360	
60 minute winter	SMH1 HYDRO	Hydro-Brake®	CMH1	2.0				3.8

Results for 30 year +40% CC Critical Storm Duration. Lowest mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	SPPIC1	11	99.774	0.024	1.0	0.0063	0.0000	OK
15 minute winter	SPPIC2	11	99.643	0.035	2.0	0.0084	0.0000	OK
15 minute winter	SPPIC3	12	99.582	0.046	3.3	0.3726	0.0000	OK
15 minute winter	SPPIC4	11	99.594	0.024	1.0	0.0057	0.0000	OK
30 minute winter	SPPIC5	22	99.519	0.044	2.9	0.6181	0.0000	OK
30 minute winter	SPPIC6	22	99.499	0.049	3.8	0.3509	0.0000	OK
30 minute winter	SPPIC7	21	99.464	0.071	7.1	0.5637	0.0000	OK
15 minute winter	SPPIC8	11	99.566	0.024	1.0	0.0059	0.0000	OK
30 minute winter	SPPIC9	23	99.399	0.069	7.0	1.1863	0.0000	OK
30 minute winter	SPPIC10	23	99.348	0.087	9.4	0.7526	0.0000	OK
15 minute winter	SPPIC11	11	99.436	0.024	1.0	0.0056	0.0000	OK
15 minute winter	SPPIC12	11	99.430	0.028	1.3	0.0074	0.0000	OK
15 minute winter	Intersection	11	99.280	0.027	1.3	0.0000	0.0000	OK
30 minute winter	SPPIC13	30	99.343	0.141	9.4	1.3387	0.0000	OK
30 minute winter	SPPIC14	31	99.339	0.021	0.6	0.0043	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	1.0	0.409	0.056	0.0350	
15 minute winter	SPPIC2	1.001	SPPIC3	2.0	0.560	0.113	0.0277	
15 minute winter	SPPIC3	1.002	SPPIC5	3.2	0.999	0.181	0.0248	
15 minute winter	SPPIC4	2.000	SPPIC6	1.0	0.474	0.056	0.0355	
30 minute winter	SPPIC5	1.003	SPPIC6	2.5	0.544	0.139	0.0109	
30 minute winter	SPPIC6	1.004	SPPIC7	3.7	0.571	0.207	0.0371	
30 minute winter	SPPIC7	1.005	SPPIC9	7.0	0.958	0.392	0.0502	
15 minute winter	SPPIC8	3.000	SPPIC7	1.0	0.251	0.056	0.0720	
30 minute winter	SPPIC9	1.006	SPPIC10	6.5	0.701	0.364	0.0640	
30 minute winter	SPPIC10	1.007	SPPIC13	9.0	0.872	0.508	0.0809	
15 minute winter	SPPIC11	4.000	SPPIC10	1.0	0.304	0.056	0.0835	
15 minute winter	SPPIC12	5.000	Intersection	1.3	0.583	0.073	0.0333	0.7
30 minute winter	SPPIC13	1.008	SPPIC15	8.3	0.911	0.468	0.0606	
15 minute winter	SPPIC14	6.000	SPPIC15	0.7	0.610	0.039	0.1264	

Results for 30 year +40% CC Critical Storm Duration. Lowest mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute winter	SPPIC15	30	99.339	0.172	8.8	1.8594	0.0000	SURCHARGED
30 minute winter	SMH1 HYDRO	30	99.331	0.234	5.3	0.2645	0.0000	SURCHARGED
15 minute summer	CMH1	1	99.078	0.000	4.8	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 summer	SPPIC15	1.009	SMH1 HYDRO	5.4	0.496	0.307	0.1224	
30 minute winter	SMH1 HYDRO	Hydro-Brake®	CMH1	4.9				11.2

Results for 100 year +45% CC Critical Storm Duration. Lowest mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	SPPIC1	11	99.777	0.027	1.3	0.0071	0.0000	OK
15 minute winter	SPPIC2	11	99.648	0.040	2.6	0.0096	0.0000	OK
15 minute winter	SPPIC3	12	99.589	0.053	4.4	0.4379	0.0000	OK
15 minute winter	SPPIC4	11	99.597	0.027	1.3	0.0065	0.0000	OK
30 minute winter	SPPIC5	22	99.528	0.053	3.7	0.7434	0.0000	OK
30 minute winter	SPPIC6	22	99.509	0.059	5.3	0.4434	0.0000	OK
30 minute winter	SPPIC7	21	99.480	0.087	9.8	0.7072	0.0000	OK
15 minute winter	SPPIC8	11	99.569	0.027	1.3	0.0067	0.0000	OK
60 minute winter	SPPIC9	47	99.427	0.097	7.6	1.6709	0.0000	OK
60 minute winter	SPPIC10	48	99.424	0.163	11.0	1.4462	0.0000	SURCHARGED
15 minute winter	SPPIC11	11	99.439	0.027	1.3	0.0063	0.0000	OK
15 minute winter	SPPIC12	11	99.435	0.033	1.8	0.0087	0.0000	OK
15 minute winter	Intersection	11	99.285	0.032	1.8	0.0000	0.0000	OK
60 minute winter	SPPIC13	49	99.418	0.216	10.6	2.0743	0.0000	SURCHARGED
60 minute winter	SPPIC14	50	99.413	0.095	0.7	0.0196	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	1.3	0.438	0.073	0.0425	
15 minute winter	SPPIC2	1.001	SPPIC3	2.6	0.575	0.147	0.0340	
15 minute winter	SPPIC3	1.002	SPPIC5	4.3	1.053	0.240	0.0322	
15 minute winter	SPPIC4	2.000	SPPIC6	1.3	0.504	0.073	0.0468	
30 minute summer	SPPIC5	1.003	SPPIC6	3.4	0.576	0.190	0.0141	
30 minute winter	SPPIC6	1.004	SPPIC7	5.0	0.605	0.283	0.0482	
30 minute winter	SPPIC7	1.005	SPPIC9	9.5	1.014	0.535	0.0650	
15 minute winter	SPPIC8	3.000	SPPIC7	1.3	0.259	0.073	0.0905	
30 minute winter	SPPIC9	1.006	SPPIC10	8.9	0.712	0.499	0.0976	
30 minute winter	SPPIC10	1.007	SPPIC13	12.1	0.915	0.680	0.1040	
15 minute winter	SPPIC11	4.000	SPPIC10	1.3	0.312	0.073	0.1094	
15 minute winter	SPPIC12	5.000	Intersection	1.8	0.640	0.101	0.0420	0.9
15 minute winter	SPPIC13	1.008	SPPIC15	10.0	1.007	0.564	0.0613	
15 minute winter	SPPIC14	6.000	SPPIC15	0.9	0.601	0.051	0.1624	

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Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	SPPIC15	49	99.413	0.246	8.9	2.6646	0.0000	SURCHARGED
60 minute winter	SMH1 HYDRO	49	99.405	0.308	5.2	0.3485	0.0000	SURCHARGED
15 minute summer	CMH1	1	99.078	0.000	4.9	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	SPPIC15	1.009	SMH1 HYDRO	5.6	0.552	0.315	0.1224	
30 minute winter	SMH1 HYDRO	Hydro-Brake®	CMH1	5.0				15.0