



Simulation Settings

Rainfall Methodology	FEH-22	Analysis Speed	Normal	Additional Storage (m³/ha)	0.0
Summer CV	1.000	Skip Steady State	x	Check Discharge Rate(s)	x
Winter CV	1.000	Drain Down Time (mins)	240	Check Discharge Volume	x

Storm Durations

15	60	180	360	600	960	2160	4320	7200	10080
30	120	240	480	720	1440	2880	5760	8640	

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

Results for 30 year Critical Storm Duration. Lowest mass balance: 98.93%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	LDC J1	1	23.300	0.000	0.0	0.0000	0.0000	OK
15 minute summer	LDC J2	1	23.180	0.000	0.0	0.0000	0.0000	OK
15 minute summer	LDC Outlet	1	23.060	0.000	0.0	0.0000	0.0000	OK
15 minute summer	S1	10	23.016	0.235	5.4	0.3369	0.0000	OK
15 minute summer	S2	10	23.016	0.292	87.7	0.3308	0.0000	OK
180 minute winter	S3	176	23.013	0.323	17.1	0.4624	0.0000	OK
180 minute winter	S4	176	23.013	0.362	18.3	0.5183	0.0000	OK
180 minute winter	S5	176	23.013	0.392	17.8	0.5612	0.0000	SURCHARGED
15 minute summer	S6	10	23.374	0.274	29.5	0.3104	0.0000	SURCHARGED
15 minute summer	S7	10	23.254	0.204	58.3	0.2305	0.0000	OK
15 minute summer	S8	10	23.221	0.071	8.6	0.0806	0.0000	OK
180 minute winter	Flow Control	176	23.013	0.439	17.3	56.4053	0.0000	SURCHARGED
15 minute summer	Non-Return Valve	11	22.687	0.180	2.0	0.2040	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 summer	LDC J1	1.000	LDC J2	0.0	0.000	0.000	0.0000	
15 minute summer	LDC J2	1.001	LDC Outlet	0.0	0.000	0.000	0.0000	
15 minute summer	LDC Outlet	1.003	S1	0.0	0.000	0.000	0.0893	
15 minute summer	S1	1.004	S2	6.1	-0.140	0.051	1.3236	
15 minute summer	S2	1.005	S3	85.8	0.947	0.721	0.8599	
15 minute summer	S3	1.006	S4	84.8	0.973	0.712	0.9462	
15 minute summer	S4	1.007	S5	92.1	1.173	0.774	0.6638	
15 minute summer	S5	1.008	Flow Control	90.5	1.562	0.760	1.0438	
15 minute summer	S6	2.000	S2	29.4	1.673	1.188	0.1134	
15 minute summer	S7	2.001	S2	58.3	1.655	0.931	0.3649	
15 minute summer	S8	6.000	S4	8.6	1.530	0.732	0.0337	
60 minute winter	Flow Control	Hydro-Brake®	Non-Return Valve	2.0				
120 minute summer	Non-Return Valve	1.010	EX S5	3.7	0.722	0.128	0.0216	

Results for 30 year Critical Storm Duration. Lowest mass balance: 98.93%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	EX S1	12	22.688	0.008	0.3	0.0090	0.0000	OK
15 minute summer	EX S2	10	23.013	0.328	25.2	0.3539	0.0000	SURCHARGED
15 minute summer	EX S3	11	22.687	0.156	2.0	0.1685	0.0000	SURCHARGED
15 minute summer	EX S4	11	22.785	0.263	24.1	0.2976	0.0000	SURCHARGED
15 minute summer	EX S5	11	22.687	0.241	24.0	0.2724	0.0000	SURCHARGED
15 minute summer	EX S6	11	22.620	0.193	23.4	0.2185	0.0000	SURCHARGED
15 minute summer	EX S7	11	22.553	0.146	23.3	0.1654	0.0000	OK
15 minute summer	EX S8	11	22.449	0.068	23.2	0.0767	0.0000	OK
2160 minute summer	TW 2930	1620	19.882	1.802	2.9	10.5417	0.0000	OK
960 minute summer	TW JNC 2903	1065	19.883	1.772	1.3	2.0036	0.0000	OK
15 minute summer	TW 2930 Bend	1	19.882	1.829	0.0	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	EX S1	3.000	EX S3	-0.3	0.081	-0.018	0.1310	
15 minute summer	EX S2	4.000	EX S4	24.1	1.371	1.050	0.1723	
15 minute summer	EX S3	3.001	EX S5	2.5	0.218	0.111	0.0686	
15 minute summer	EX S4	4.001	EX S5	23.3	1.321	1.008	0.0586	
15 minute summer	EX S5	1.011	EX S6	23.4	1.331	1.023	0.0202	
15 minute summer	EX S6	1.012	EX S7	23.3	1.326	1.008	0.0207	
15 minute summer	EX S7	1.013	EX S8	23.2	1.730	1.018	0.0200	
15 minute summer	EX S8	1.014	TW 2930	23.1	3.057	0.394	0.1852	
1440 minute winter	TW 2930	5.001	TW 2930 Bend	3.9	0.001	0.001	71.8141	22.6
15 minute winter	TW JNC 2903	5.000	TW 2930	-8.4	-0.202	-0.002	22.6001	