



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 %)
100	40	0	0

Results for 100 year +40% CC Critical Storm Duration. Lowest mass balance: 99.08%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	EX S1	8	23.864	1.184	22.2	1.3393	0.0000	FLOOD RISK
30 minute summer	1.000:50%	22	23.816	1.211	24.4	2.2511	0.0000	PONDING
15 minute summer	EX S2	8	23.820	1.135	46.2	1.2258	7.8855	FLOOD
30 minute winter	EX S3	14	23.740	1.209	57.0	1.3057	24.9446	FLOOD
15 minute summer	1.001:50%	10	23.777	1.279	32.6	0.1679	0.0000	PONDING
15 minute summer	EX S4	8	23.760	1.238	23.3	1.4002	4.7643	FLOOD
15 minute summer	EX S5	10	23.785	1.319	76.6	1.4245	0.0000	FLOOD RISK
15 minute summer	EX S6	10	23.389	0.942	58.0	1.0172	0.0000	SURCHARGED
15 minute summer	EX S7	10	22.989	0.562	57.1	0.6072	0.0000	SURCHARGED
30 minute winter	EX S8	17	22.531	0.130	56.4	0.1471	0.0000	OK
240 minute summer	TW JNC 2903	132	19.895	1.784	18.3	2.0177	0.0000	OK
240 minute summer	TW 2930	132	19.892	1.812	74.8	10.5976	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	1.000	1.000:50%	24.5	1.390	1.375	0.1305	
15 minute winter	EX S1	1.000	EX S3	29.5	1.673	1.655	0.1305	
15 minute winter	EX S2	2.000	EX S4	15.0	0.981	0.653	0.1723	
15 minute winter	EX S3	1.001	1.001:50%	32.1	1.826	1.398	0.0343	
15 minute winter	EX S3	1.001	EX S5	34.1	1.938	1.484	0.0343	
15 minute winter	EX S4	2.001	EX S5	14.9	0.847	0.646	0.0586	
15 minute summer	EX S5	1.004	EX S6	58.0	3.294	2.532	0.0202	
15 minute summer	EX S6	1.005	EX S7	57.1	3.245	2.466	0.0208	
15 minute summer	EX S7	1.006	EX S8	57.1	3.287	2.505	0.0266	
30 minute summer	EX S8	1.007	TW 2930	57.3	3.633	0.975	0.4058	
30 minute winter	TW JNC 2903	3.000	TW 2930	-30.9	-0.233	-0.008	53.4884	
240 minute summer	TW 2930	3.001	TW 2930 Bend	97.0	0.037	0.024	71.8752	109.0

Results for 100 year +40% CC Critical Storm Duration. Lowest mass balance: 99.08%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute winter	Channel Outlet	15	23.900	0.410	19.2	0.0652	5.1847	FLOOD
15 minute summer	LDC J4	12	23.951	0.411	17.2	0.0000	0.0000	FLOOD RISK
15 minute summer	4.003:50%	12	23.941	0.426	29.7	1.9425	0.0000	PONDING
30 minute summer	LDC J3	17	24.080	0.440	9.9	0.4976	0.8177	FLOOD
30 minute summer	4.002:50%	23	24.032	0.417	23.4	2.7480	0.0000	PONDING
15 minute summer	LDC J2	10	24.200	0.510	10.7	0.0000	0.0000	FLOOD RISK
15 minute summer	LDC J1	11	24.277	0.537	3.7	0.0000	0.0000	FLOOD RISK
15 minute summer	4.000:50%	12	24.274	0.559	19.2	0.8833	0.0000	PONDING

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	Channel Outlet	4.004	EX S1	22.2	1.909	0.285	0.0755	
15 minute winter	LDC J4	4.003	4.003:50%	18.9	1.071	0.949	0.0352	
15 minute winter	LDC J4	4.003	Channel Outlet	20.4	1.683	1.028	0.0352	
15 minute winter	LDC J3	4.002	4.002:50%	10.1	1.291	1.494	0.0156	
15 minute winter	LDC J3	4.002	LDC J4	17.4	2.226	2.576	0.0156	
15 minute summer	LDC J2	4.001	LDC J3	9.9	1.264	1.463	0.0313	
15 minute winter	LDC J1	4.000	4.000:50%	-3.8	-0.482	-0.558	0.0156	
15 minute summer	LDC J1	4.000	LDC J2	10.7	1.362	1.576	0.0156	