



Simulation Settings

Rainfall Methodology	FSR	Summer CV	1.000	Drain Down Time (mins)	240
FSR Region	England and Wales	Winter CV	1.000	Additional Storage (m³/ha)	0.0
M5-60 (mm)	21.000	Analysis Speed	Normal	Check Discharge Rate(s)	x
Ratio-R	0.432	Skip Steady State	x	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 %)
1	0	0	0

Results for 1 year Critical Storm Duration. Lowest mass balance: 99.52%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	EX S1	11	23.077	0.397	9.8	0.4491	0.0000	SURCHARGED
15 minute summer	1.000:50%	11	23.056	0.451	10.3	0.0000	0.0000	SURCHARGED
15 minute summer	EX S2	11	22.995	0.310	8.8	0.3345	0.0000	SURCHARGED
15 minute summer	EX S3	11	23.030	0.499	16.8	0.5386	0.0000	SURCHARGED
15 minute summer	1.001:50%	11	23.002	0.503	18.0	0.0000	0.0000	SURCHARGED
15 minute summer	EX S4	11	22.977	0.455	6.9	0.5143	0.0000	SURCHARGED
15 minute summer	EX S5	11	22.970	0.504	35.3	0.5439	0.0000	SURCHARGED
15 minute summer	EX S6	12	22.824	0.377	34.6	0.4076	0.0000	SURCHARGED
15 minute summer	EX S7	12	22.685	0.258	34.1	0.2785	0.0000	SURCHARGED
15 minute summer	EX S8	12	22.487	0.086	34.1	0.0971	0.0000	OK
2880 minute winter	TW JNC 2903	2940	19.090	0.979	0.4	1.1072	0.0000	OK
2880 minute winter	TW 2930	2940	19.090	1.010	1.3	5.9069	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%	8.4	0.686	0.474	0.1305	
15 minute summer	EX S1	1.000	EX S3	10.7	0.606	0.599	0.1305	
15 minute summer	EX S2	2.000	EX S4	6.9	0.776	0.301	0.1723	
15 minute summer	EX S3	1.001	1.001:50%	16.2	0.921	0.705	0.0343	
15 minute summer	EX S3	1.001	EX S5	18.3	1.042	0.798	0.0343	
15 minute summer	EX S4	2.001	EX S5	6.6	0.373	0.284	0.0586	
15 minute summer	EX S5	1.004	EX S6	34.6	1.968	1.512	0.0202	
15 minute summer	EX S6	1.005	EX S7	34.1	1.935	1.470	0.0208	
15 minute summer	EX S7	1.006	EX S8	34.1	2.165	1.493	0.0222	
15 minute summer	EX S8	1.007	TW 2930	34.2	3.370	0.581	0.2487	
15 minute winter	TW JNC 2903	3.000	TW 2930	-12.9	-0.220	-0.003	9.8437	
15 minute summer	TW 2930	3.001	TW 2930 Bend	0.0	0.000	0.000	40.5212	0.0

Results for 1 year Critical Storm Duration. Lowest mass balance: 99.52%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	Channel Outlet	10	23.526	0.036	9.9	0.0057	0.0000	OK
15 minute summer	LDC J4	10	23.608	0.068	6.5	0.0000	0.0000	OK
15 minute summer	4.003:50%	10	23.595	0.080	9.9	0.0000	0.0000	OK
15 minute summer	LDC J3	10	23.702	0.062	3.3	0.0706	0.0000	OK
15 minute summer	4.002:50%	10	23.695	0.080	6.6	0.0000	0.0000	OK
15 minute summer	LDC J2	10	23.744	0.054	3.4	0.0000	0.0000	OK
15 minute summer	LDC J1	10	23.766	0.026	0.2	0.0000	0.0000	OK
15 minute summer	4.000:50%	10	23.766	0.051	3.4	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	Channel Outlet	4.004	EX S1	9.8	1.394	0.126	0.0447	
15 minute summer	LDC J4	4.003	4.003:50%	6.5	0.767	0.326	0.0174	
15 minute summer	LDC J4	4.003	Channel Outlet	9.9	1.563	0.496	0.0128	
15 minute summer	LDC J3	4.002	4.002:50%	3.3	0.592	0.487	0.0118	
15 minute summer	LDC J3	4.002	LDC J4	6.5	0.985	0.958	0.0136	
15 minute summer	LDC J2	4.001	LDC J3	3.3	0.720	0.494	0.0188	
15 minute summer	LDC J1	4.000	4.000:50%	-0.2	-0.141	-0.035	0.0056	
15 minute summer	LDC J1	4.000	LDC J2	3.4	0.821	0.498	0.0083	