



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	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	22.871	0.090	2.4	0.1291	0.0000	OK
15 minute summer	S2	10	22.870	0.146	30.7	0.1653	0.0000	OK
15 minute summer	S3	10	22.834	0.144	30.1	0.2061	0.0000	OK
15 minute summer	S4	10	22.797	0.146	32.6	0.2088	0.0000	OK
15 minute summer	S5	11	22.756	0.135	32.3	0.1934	0.0000	OK
15 minute summer	S6	10	23.174	0.074	10.3	0.0841	0.0000	OK
15 minute summer	S7	10	23.146	0.096	20.4	0.1085	0.0000	OK
15 minute summer	S8	10	23.186	0.036	3.0	0.0412	0.0000	OK
60 minute winter	Flow Control	60	22.740	0.166	14.5	14.1949	0.0000	SURCHARGED
15 minute summer	Non-Return Valve	11	22.547	0.040	1.9	0.0452	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	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	0.0000	
15 minute summer	S1	1.004	S2	-2.4	-0.138	-0.020	0.4815	
15 minute summer	S2	1.005	S3	30.1	0.766	0.253	0.3732	
15 minute summer	S3	1.006	S4	29.6	0.755	0.249	0.4268	
15 minute summer	S4	1.007	S5	32.3	0.866	0.271	0.3118	
15 minute summer	S5	1.008	Flow Control	32.6	1.101	0.274	0.4187	
15 minute summer	S6	2.000	S2	10.3	1.259	0.416	0.0533	
15 minute summer	S7	2.001	S2	20.4	1.341	0.326	0.1588	
15 minute summer	S8	6.000	S4	3.0	1.206	0.255	0.0149	
60 minute winter	Flow Control	Hydro-Brake®	Non-Return Valve	2.0				
15 minute summer	Non-Return Valve	1.010	EX S5	3.0	0.713	0.105	0.0179	

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	1	22.680	0.000	0.0	0.0000	0.0000	OK
15 minute summer	EX S2	10	22.753	0.068	8.8	0.0734	0.0000	OK
15 minute summer	EX S3	11	22.545	0.014	0.2	0.0154	0.0000	OK
15 minute summer	EX S4	10	22.598	0.076	8.8	0.0860	0.0000	OK
15 minute summer	EX S5	10	22.548	0.102	11.7	0.1150	0.0000	OK
15 minute summer	EX S6	10	22.520	0.093	10.9	0.1050	0.0000	OK
15 minute summer	EX S7	11	22.488	0.081	10.2	0.0920	0.0000	OK
15 minute summer	EX S8	11	22.425	0.044	10.0	0.0494	0.0000	OK
10080 minute winter	TW 2930	9120	19.123	1.043	0.4	6.1011	0.0000	OK
10080 minute winter	TW JNC 2903	8820	19.123	1.012	0.1	1.1447	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	0.0	0.000	0.000	0.0063	
15 minute summer	EX S2	4.000	EX S4	8.8	1.060	0.383	0.0817	
15 minute summer	EX S3	3.001	EX S5	0.4	0.080	0.015	0.0204	
15 minute summer	EX S4	4.001	EX S5	8.6	0.986	0.374	0.0312	
15 minute summer	EX S5	1.011	EX S6	10.9	0.905	0.477	0.0139	
15 minute summer	EX S6	1.012	EX S7	10.2	0.963	0.440	0.0125	
15 minute summer	EX S7	1.013	EX S8	10.0	1.437	0.437	0.0111	
15 minute summer	EX S8	1.014	TW 2930	10.4	2.478	0.178	0.1030	
15 minute summer	TW 2930	5.001	TW 2930 Bend	0.0	0.000	0.000	39.9891	0.0
15 minute summer	TW JNC 2903	5.000	TW 2930	-4.1	-0.163	-0.001	8.5961	