

BALSAM HOUSE:	Date: 12/03/2026			
	Designed by: AA	Checked by:	Approved By:	
Report Details: Type: Manhole Schedule Storm Phase: SuDS	:			

Name	Cover Level (m) Invert Level (m)	Manhole Size (m)	Connection Details				Type
Coordinates (m)	Depth (m)		Incoming Connections	Connection Type	Connection Invert (m)	Connection Size (mm)	Junction Type
			Outgoing Connections				Cover
Manhole	60.740 58.970	Diameter / Length: 0.600					Manhole
E:533090.854 N:124416.001	1.770						
			{a} Pipe	Pipe	58.970	Diam/Width:100	Not Applicable
Manhole (1)	60.740 58.610	Diameter / Length: 1.200	{1} Pipe (1)	Pipe	58.610	Diam/Width:100	Manhole
E:533104.102 N:124416.005	2.130						
							Not Applicable

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Inflow Label	Connected To	Flow (L/s)	Runoff Method	Area (ha)	Percentage Impervious (%)	Urban Creep (%)	Adjusted Percentage Impervious (%)	Area Analysed (ha)
Catchment Area	Manhole		Time of Concentration	0.036	100	0	100	0.036
TOTAL		0.0		0.036				0.036

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Report Title: Rainfall Analysis Criteria	:			

Runoff Type	Dynamic
Output Interval (mins)	5
Time Step	Default
Urban Creep	Apply Global Value
Urban Creep Global Value (%)	0
Junction Flood Risk Margin (mm)	300
Perform No Discharge Analysis	☐

Rainfall

Rain Fall 1in2 + 45 Type: FSR

Region	England And Wales
M5-60 (mm)	20.0
Ratio R	0.400
Summer	☒
Winter	☒

Return Period

Return Period (years)	Increase Rainfall (%)
2.0	45.000

Storm Durations

Duration (mins)	Run Time (mins)
15	30
30	60
60	120
120	240
240	480
360	720
480	960
960	1920
1440	2880

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Type: Inflow Results Storm Phase: SuDS				



Catchment Area
Critical Storm: Rain Fall 1in2 + 45: 2 years: Increase Rainfall (%): +45: 15 mins: Summer

Type : Catchment Area

Inflow

Max. Inflow (L/s)	9.1
Total Inflow Volume (m³)	3.965

Tables

Time (mins)	Total Inflow (L/s)
0	0.0
5	2.0
10	9.1
15	2.1
20	0.0
25	0.0
30	0.0

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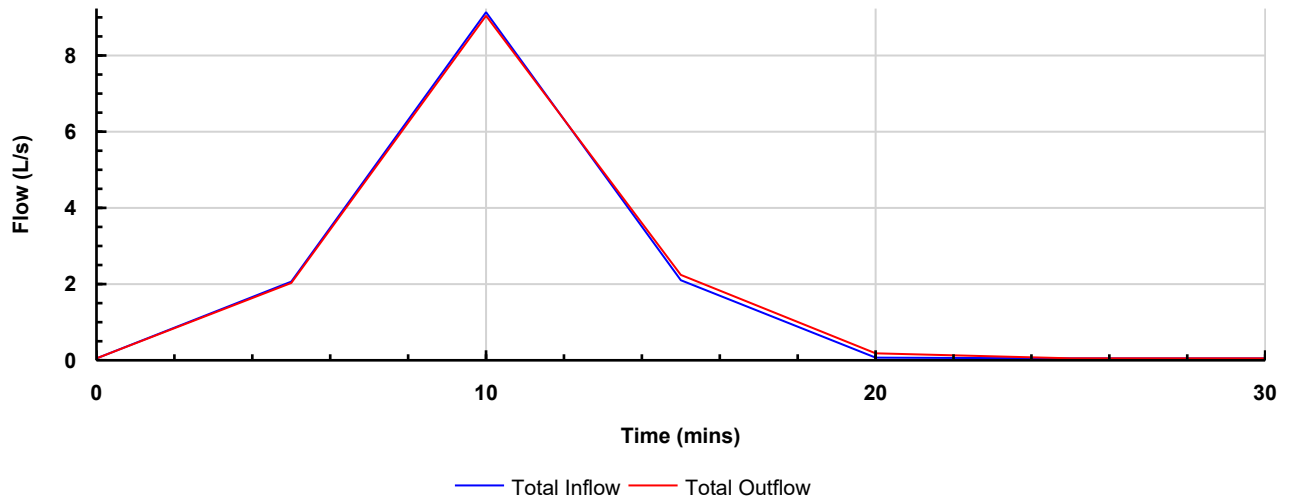


Manhole
Critical Storm: Rain Fall 1in2 + 45: 2 years: Increase Rainfall (%): +45: 15 mins: Summer

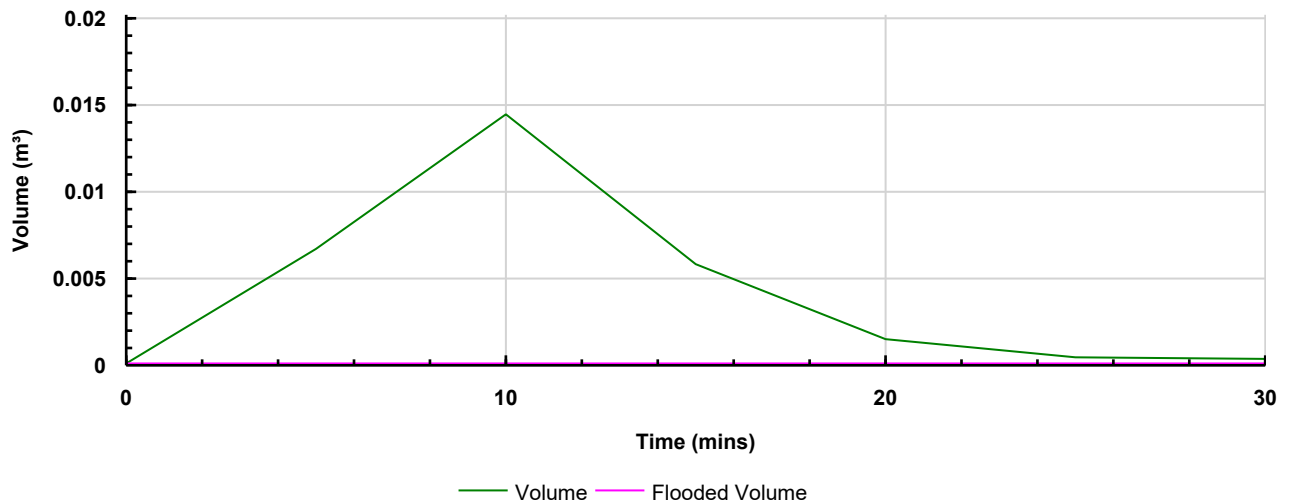
Type : Manhole

Graphs

Flow Graph

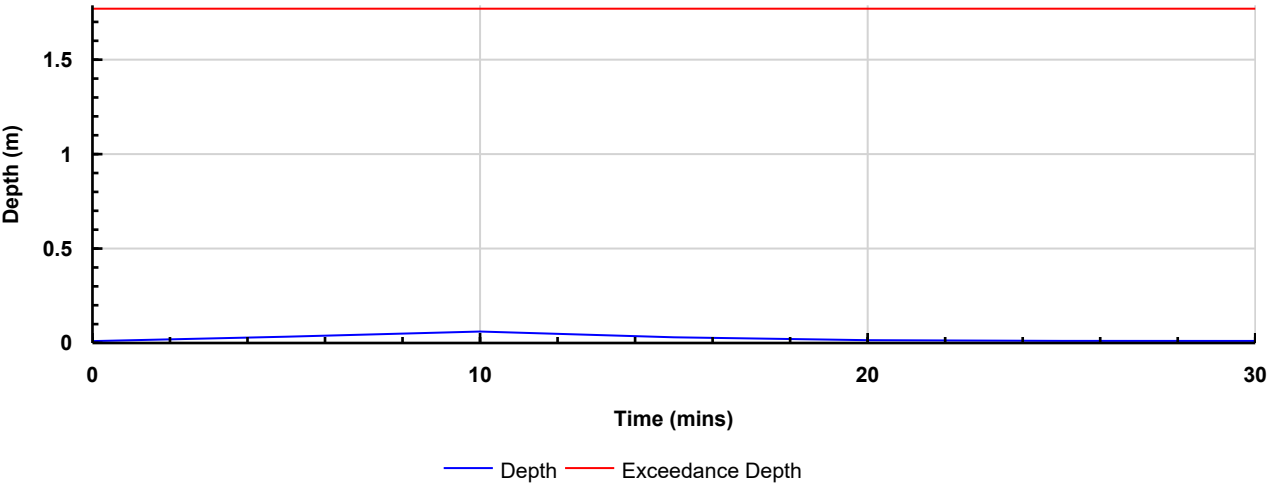


Volume Graph



BALSAM HOUSE:	Date: 12/03/2026			
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Report Details:	:			
Type: Junction Results Storm Phase: SuDS				

Depth Graph



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Type: Junction Results Storm Phase: SuDS				

Tables

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.0
5	2.0	0.023	0.007	0.000	2.0
10	9.1	0.051	0.014	0.000	9.0
15	2.1	0.020	0.006	0.000	2.2
20	0.0	0.005	0.001	0.000	0.1
25	0.0	0.001	0.000	0.000	0.0
30	0.0	0.001	0.000	0.000	0.0

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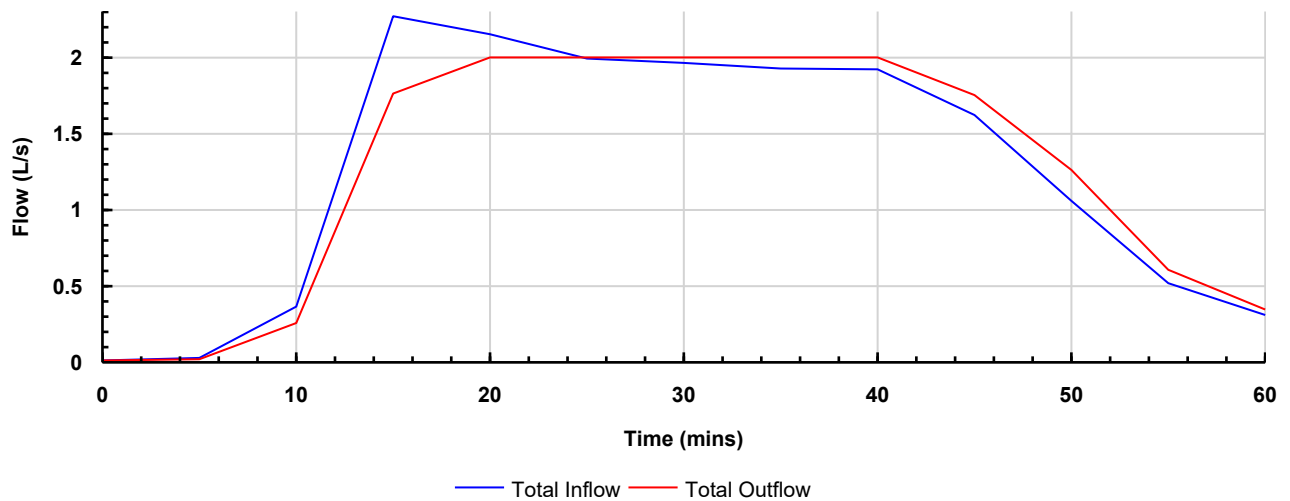
Manhole (1)

Critical Storm: Rain Fall 1in2 + 45: 2 years: Increase Rainfall (%): +45: 30 mins: Summer

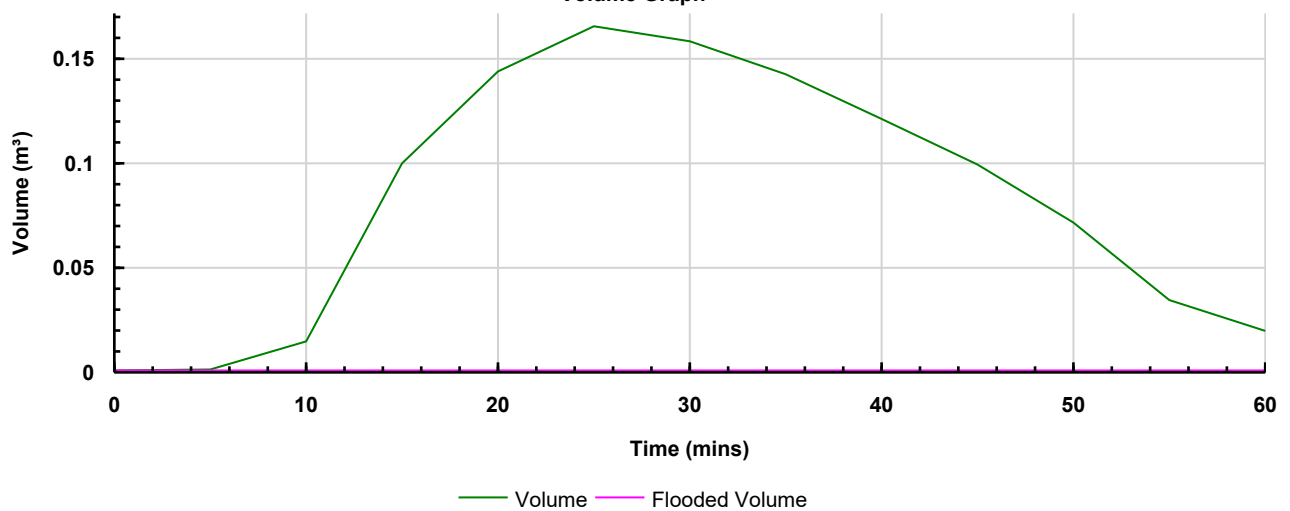
Type : Manhole

Graphs

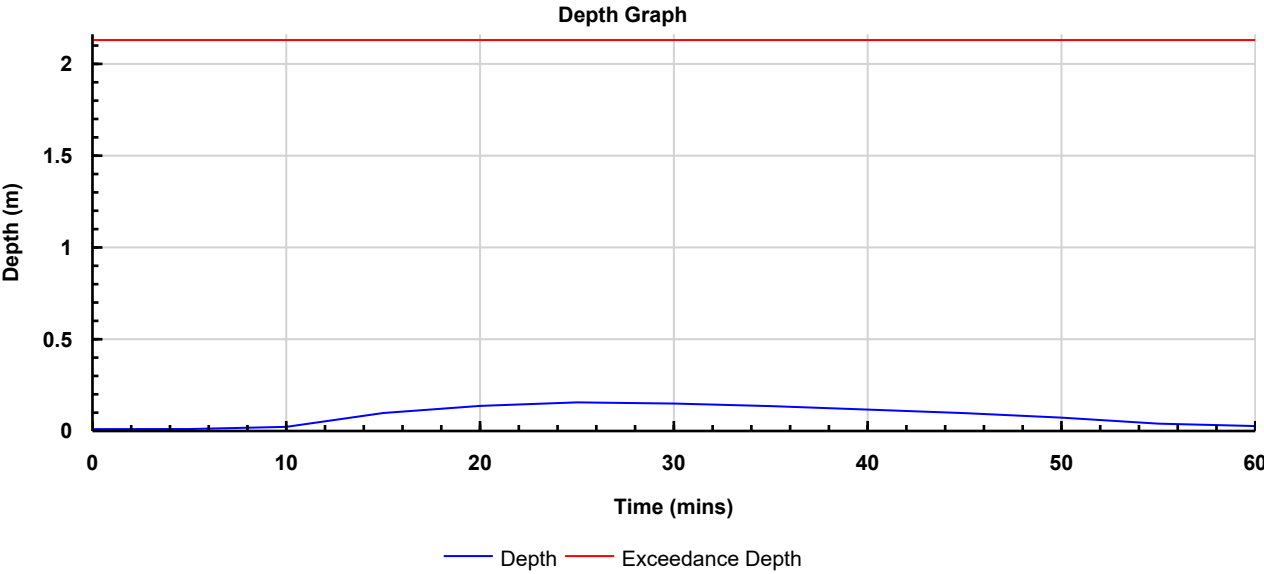
Flow Graph



Volume Graph



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Tables

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.0
5	0.0	0.000	0.000	0.000	0.0
10	0.4	0.012	0.014	0.000	0.2
15	2.3	0.088	0.100	0.000	1.8
20	2.2	0.127	0.144	0.000	2.0
25	2.0	0.146	0.166	0.000	2.0
30	2.0	0.140	0.158	0.000	2.0
35	1.9	0.126	0.142	0.000	2.0
40	1.9	0.107	0.121	0.000	2.0
45	1.6	0.088	0.099	0.000	1.8
50	1.1	0.063	0.071	0.000	1.3
55	0.5	0.030	0.034	0.000	0.6
60	0.3	0.017	0.019	0.000	0.3

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Type: Stormwater Control Results Storm Phase: SuDS				

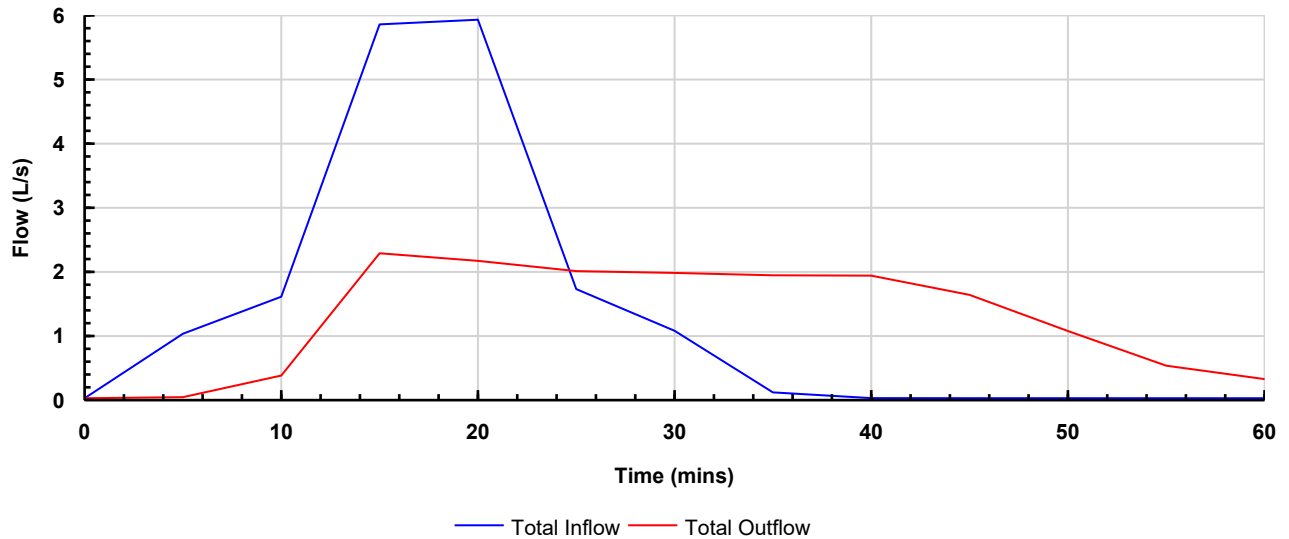


Cellular Storage
Critical Storm: Rain Fall 1in2 + 45: 2 years: Increase Rainfall (%): +45: 30 mins: Summer

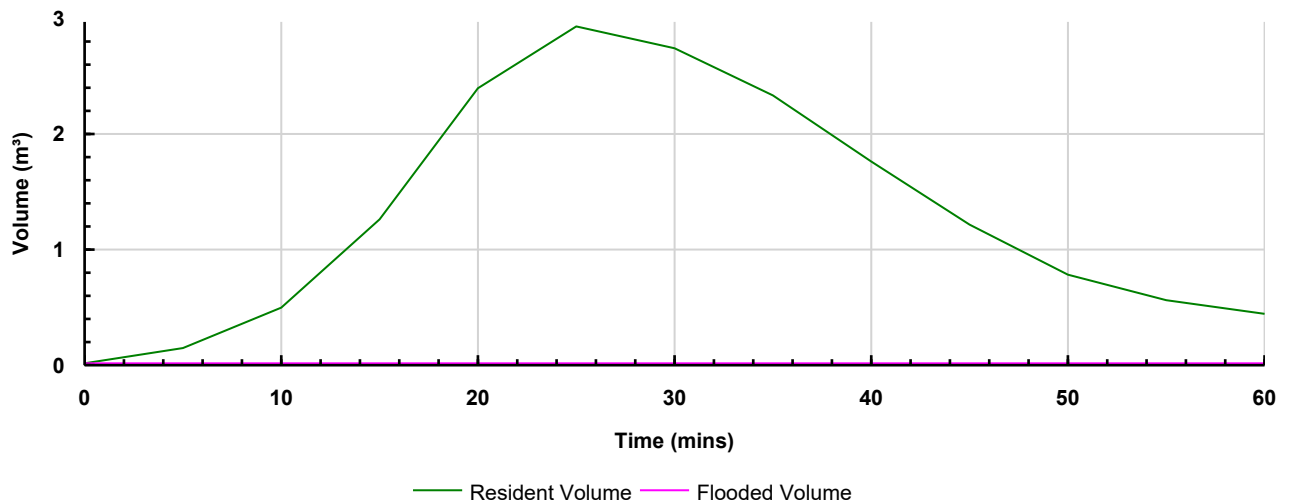
Type : Cellular Storage

Graphs

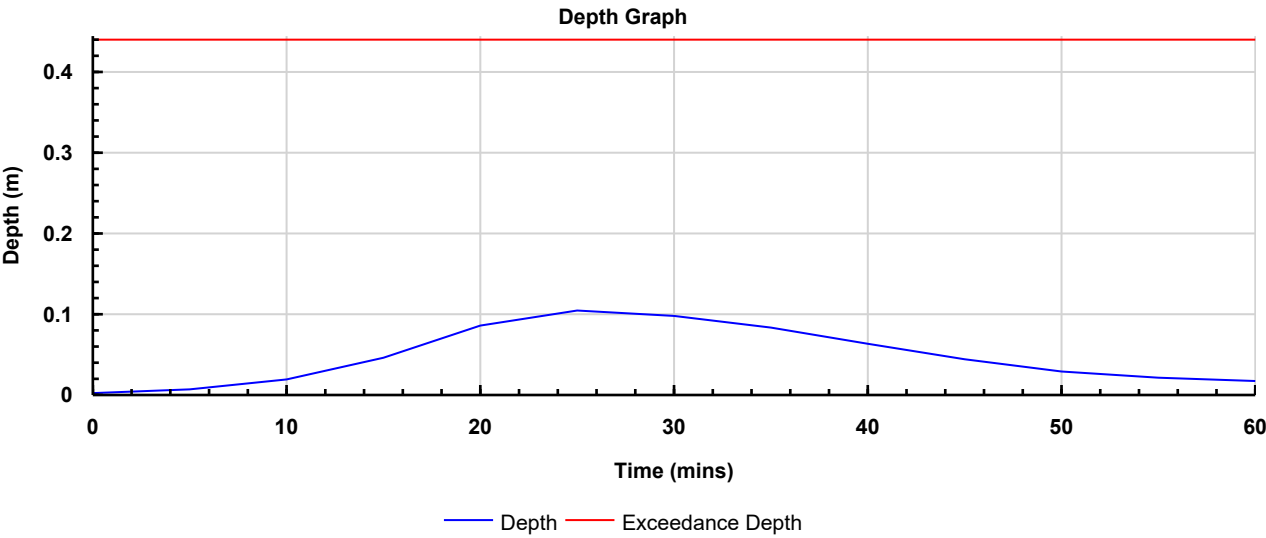
Flow Graph



Volume Graph



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Tables

Time (mins)	Total Inflow (L/s)	Depth(m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.0
5	1.0	0.005	0.133	0.000	0.0
10	1.6	0.017	0.484	0.000	0.4
15	5.9	0.044	1.252	0.000	2.3
20	5.9	0.084	2.393	0.000	2.2
25	1.7	0.103	2.930	0.000	2.0
30	1.1	0.096	2.740	0.000	2.0
35	0.1	0.082	2.330	0.000	1.9
40	0.0	0.061	1.755	0.000	1.9
45	0.0	0.042	1.206	0.000	1.6
50	0.0	0.027	0.771	0.000	1.1
55	0.0	0.019	0.549	0.000	0.5
60	0.0	0.015	0.430	0.000	0.3