

Project:	Date: 21/10/2025		
	Designed by: purcella	Checked by:	Approved By:
Report Details: Type: Outfall Details Storm Phase: Surface Water	Company Address:		



Outfalls

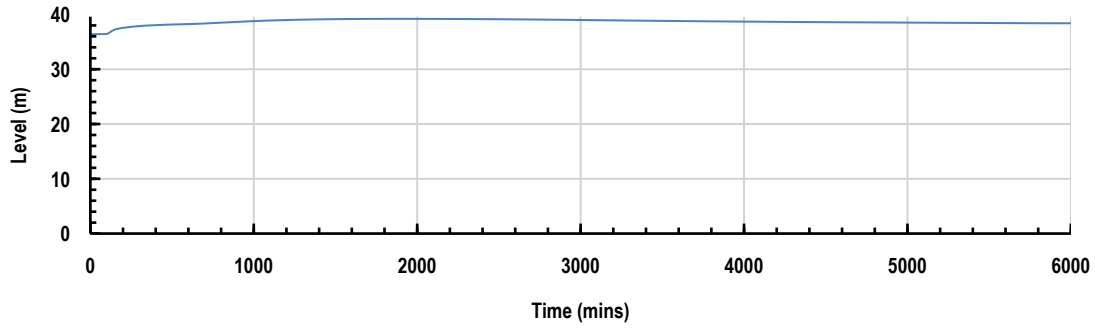
Outfall	Outfall Type	Gated	Fixed Surcharged Level (m)	Level Curve
ExMH 9250	Variable Surcharged Level	☒		100yr2
FEH (-2hr) : 100 years: +40 %: 15 mins: Summer				100yr2
FEH (-2hr) : 100 years: +40 %: 15 mins: Winter				100yr2
FEH (-2hr) : 100 years: +40 %: 30 mins: Summer				100yr2
FEH (-2hr) : 100 years: +40 %: 30 mins: Winter				100yr2
FEH (-2hr) : 100 years: +40 %: 60 mins: Summer				100yr2
FEH (-2hr) : 100 years: +40 %: 60 mins: Winter				100yr2
FEH (-2hr) : 100 years: +40 %: 120 mins: Summer				100yr2
FEH (-2hr) : 100 years: +40 %: 120 mins: Winter				100yr2
FEH (-2hr) : 100 years: +40 %: 180 mins: Summer				100yr2
FEH (-2hr) : 100 years: +40 %: 180 mins: Winter				100yr2
FEH (-2hr) : 100 years: +40 %: 240 mins: Summer				100yr2
FEH (-2hr) : 100 years: +40 %: 240 mins: Winter				100yr2
FEH (-2hr) : 100 years: +40 %: 360 mins: Summer				100yr2
FEH (-2hr) : 100 years: +40 %: 360 mins: Winter				100yr2
FEH (-2hr) : 100 years: +40 %: 480 mins: Summer				100yr2
FEH (-2hr) : 100 years: +40 %: 480 mins: Winter				100yr2
FEH (-2hr) : 100 years: +40 %: 600 mins: Summer				100yr2
FEH (-2hr) : 100 years: +40 %: 600 mins: Winter				100yr2
FEH (-2hr) : 100 years: +40 %: 720 mins: Summer				100yr2
FEH (-2hr) : 100 years: +40 %: 720 mins: Winter				100yr2
FEH (-2hr) : 100 years: +40 %: 960 mins: Summer				100yr2
FEH (-2hr) : 100 years: +40 %: 960 mins: Winter				100yr2
FEH (-2hr) : 100 years: +40 %: 1440 mins: Summer				100yr2
FEH (-2hr) : 100 years: +40 %: 1440 mins: Winter				100yr2
FEH (-2hr) : 100 years: +40 %: 2160 mins: Summer				100yr2
FEH (-2hr) : 100 years: +40 %: 2160 mins: Winter				100yr2

Level Curves

Title	Duration (mins)	Max. Level (m)	Extension Option
100yr2	6000	39.199	Extend Last Level

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100yr2



Project:	Date: 21/10/2025			
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Report Title: Rainfall Analysis Criteria	Company Address:			

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

Rainfall		
FEH (-2hr)		Type: FEH
Site Location	GB 476940 171226 SU 76940 71226	
Rainfall Version	2022	
Summer	☒	
Winter	☒	

Return Period

Return Period (years)	Increase Rainfall (%)
100.0	40.000

Storm Durations

Duration (mins)	Run Time (mins)
15	720
30	720
60	720
120	720
180	720
240	720
360	720
480	720
600	720
720	720
960	720
1440	720
2160	720

Project:	Date: 21/10/2025		
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Report Details: Type: Junctions Summary Storm Phase: Surface Water	Company Address:		





Critical Storm Per Item: Rank By: Max. Depth

Junction	Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
S22	FEH (-2hr): 100 years: +40 %: 720 mins: Summer	38.771	37.900	38.431	0.531	1.0	0.084	0.000	1.0	10.681	Surcharged
ACO (7)	FEH (-2hr): 100 years: +40 %: 15 mins: Summer	38.735	37.969	38.437	0.468	71.4	0.035	0.000	67.3	30.916	Flood Risk
S21	FEH (-2hr): 100 years: +40 %: 720 mins: Summer	38.660	37.550	38.431	0.881	14.3	1.260	0.000	13.8	149.169	Flood Risk
S20	FEH (-2hr): 100 years: +40 %: 720 mins: Summer	38.655	37.645	38.431	0.786	6.8	1.124	0.000	6.5	69.903	Flood Risk
ACO (6)	FEH (-2hr): 100 years: +40 %: 720 mins: Winter	38.647	37.880	38.462	0.582	1.7	0.044	0.000	1.7	28.717	Flood Risk
S31	FEH (-2hr): 100 years: +40 %: 720 mins: Winter	38.635	37.420	38.462	1.042	7.7	1.842	0.000	0.8	126.445	Flood Risk
S23	FEH (-2hr): 100 years: +40 %: 720 mins: Summer	38.608	37.500	38.431	0.931	21.6	1.644	0.000	21.3	229.247	Flood Risk
S24	FEH (-2hr): 100 years: +40 %: 720 mins: Summer	38.583	37.380	38.431	1.051	21.3	1.856	0.000	1.2	228.917	Flood Risk
S30	FEH (-2hr): 100 years: +40 %: 720 mins: Winter	38.574	37.550	38.462	0.912	7.3	1.306	0.000	7.1	118.814	Flood Risk
S25	FEH (-2hr): 100 years: +40 %: 720 mins: Summer	38.566	37.244	38.377	1.133	2.5	2.002	0.000	11.5	21.083	Flood Risk
ACO (1)	FEH (-2hr): 100 years: +40 %: 720 mins: Summer	38.553	37.850	38.431	0.581	3.4	0.044	0.000	3.4	36.640	Flood Risk
ACO	FEH (-2hr): 100 years: +40 %: 720 mins: Summer	38.553	37.850	38.431	0.581	3.4	0.044	0.000	3.4	36.638	Flood Risk
ACO (2)	FEH (-2hr): 100 years: +40 %: 720 mins: Summer	38.552	37.850	38.431	0.581	3.4	0.044	0.000	3.4	36.639	Flood Risk
ACO (4)	FEH (-2hr): 100 years: +40 %: 720 mins: Winter	38.551	37.766	38.462	0.696	1.3	0.052	0.000	1.3	20.783	Flood Risk
ACO (3)	FEH (-2hr): 100 years: +40 %: 720 mins: Summer	38.550	37.850	38.431	0.581	3.4	0.044	0.000	3.4	36.640	Flood Risk
ACO (5)	FEH (-2hr): 100 years: +40 %: 720 mins: Winter	38.530	37.670	38.463	0.792	4.3	0.182	0.000	4.3	71.644	Flood Risk
ExMH 9250	FEH (-2hr): 100 years: +40 %: 15 mins: Summer	38.760	37.240	38.382	1.142	2.3	0.000	0.000	2.3	22.763	OK

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Critical Storm Per Item: Rank By: Max. US Depth

Stormwater Control	Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Half Drain Down Time (mins)	Percentage Available (%)
TANK 2B	FEH (-2hr): 100 years: +40 %: 720 mins: Summer	38.431	38.431	0.946	0.946	5.6	58.069	0.000	0.000	0.4	0.015		0.507
TANK 3	FEH (-2hr): 100 years: +40 %: 720 mins: Winter	38.462	38.462	1.022	1.022	7.4	113.876	0.000	0.000	0.0	0.041		0.127
TANK 2A	FEH (-2hr): 100 years: +40 %: 720 mins: Summer	38.431	38.431	0.996	0.996	20.9	158.929	0.000	0.000	0.7	58.111		0.179

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Status
OK
OK
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