

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



Outfalls

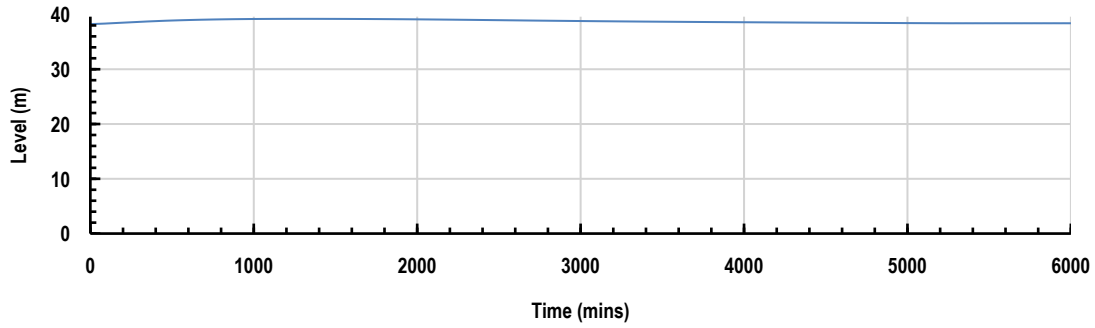
Outfall	Outfall Type	Gated	Fixed Surcharged Level (m)	Level Curve
ExMH 9250	Variable Surcharged Level	☒		100yr12
FEH (-12hr) : 100 years: +40 %: 15 mins: Summer				100yr12
FEH (-12hr) : 100 years: +40 %: 15 mins: Winter				100yr12
FEH (-12hr) : 100 years: +40 %: 30 mins: Summer				100yr12
FEH (-12hr) : 100 years: +40 %: 30 mins: Winter				100yr12
FEH (-12hr) : 100 years: +40 %: 60 mins: Summer				100yr12
FEH (-12hr) : 100 years: +40 %: 60 mins: Winter				100yr12
FEH (-12hr) : 100 years: +40 %: 120 mins: Summer				100yr12
FEH (-12hr) : 100 years: +40 %: 120 mins: Winter				100yr12
FEH (-12hr) : 100 years: +40 %: 180 mins: Summer				100yr12
FEH (-12hr) : 100 years: +40 %: 180 mins: Winter				100yr12
FEH (-12hr) : 100 years: +40 %: 240 mins: Summer				100yr12
FEH (-12hr) : 100 years: +40 %: 240 mins: Winter				100yr12
FEH (-12hr) : 100 years: +40 %: 360 mins: Summer				100yr12
FEH (-12hr) : 100 years: +40 %: 360 mins: Winter				100yr12
FEH (-12hr) : 100 years: +40 %: 480 mins: Summer				100yr12
FEH (-12hr) : 100 years: +40 %: 480 mins: Winter				100yr12
FEH (-12hr) : 100 years: +40 %: 600 mins: Summer				100yr12
FEH (-12hr) : 100 years: +40 %: 600 mins: Winter				100yr12
FEH (-12hr) : 100 years: +40 %: 720 mins: Summer				100yr12
FEH (-12hr) : 100 years: +40 %: 720 mins: Winter				100yr12
FEH (-12hr) : 100 years: +40 %: 960 mins: Summer				100yr12
FEH (-12hr) : 100 years: +40 %: 960 mins: Winter				100yr12
FEH (-12hr) : 100 years: +40 %: 1440 mins: Summer				100yr12
FEH (-12hr) : 100 years: +40 %: 1440 mins: Winter				100yr12
FEH (-12hr) : 100 years: +40 %: 2160 mins: Summer				100yr12
FEH (-12hr) : 100 years: +40 %: 2160 mins: Winter				100yr12

Level Curves

Title	Duration (mins)	Max. Level (m)	Extension Option
100yr12	6000	39.199	Extend Last Level

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100yr12



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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 (-12hr)		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	120
30	120
60	120
120	120
180	120
240	120
360	120
480	120
600	120
720	120
960	120
1440	120
2160	120

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 (-12hr): 100 years: +40 %: 15 mins: Summer	38.771	37.900	38.039	0.139	9.3	0.022	0.000	7.9	4.025	OK
ACO (7)	FEH (-12hr): 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 (-12hr): 100 years: +40 %: 15 mins: Summer	38.660	37.550	38.042	0.492	119.7	0.705	0.000	116.1	57.663	Surcharged
S20	FEH (-12hr): 100 years: +40 %: 15 mins: Summer	38.655	37.645	38.056	0.411	57.3	0.588	0.000	52.4	27.136	OK
ACO (6)	FEH (-12hr): 100 years: +40 %: 15 mins: Summer	38.647	37.880	38.064	0.184	24.5	0.014	0.000	22.3	10.646	Surcharged
S31	FEH (-12hr): 100 years: +40 %: 120 mins: Winter	38.635	37.420	37.838	0.418	32.5	0.739	0.000	0.8	92.030	Surcharged
S23	FEH (-12hr): 100 years: +40 %: 15 mins: Summer	38.608	37.500	38.007	0.507	181.5	0.896	0.000	178.8	88.121	Surcharged
S24	FEH (-12hr): 100 years: +40 %: 15 mins: Summer	38.583	37.380	37.892	0.512	178.8	0.905	0.000	1.5	87.046	Surcharged
S30	FEH (-12hr): 100 years: +40 %: 120 mins: Winter	38.574	37.550	37.838	0.288	30.1	0.412	0.000	30.0	86.326	OK
S25	FEH (-12hr): 100 years: +40 %: 120 mins: Winter	38.566	37.244	37.821	0.577	2.3	1.019	0.000	1.9	3.708	OK
ACO (1)	FEH (-12hr): 100 years: +40 %: 15 mins: Summer	38.553	37.850	38.258	0.408	31.2	0.031	0.000	28.7	13.544	Flood Risk
ACO	FEH (-12hr): 100 years: +40 %: 15 mins: Summer	38.553	37.850	38.288	0.438	31.2	0.033	0.000	28.6	13.544	Flood Risk
ACO (2)	FEH (-12hr): 100 years: +40 %: 15 mins: Summer	38.552	37.850	38.254	0.404	31.2	0.030	0.000	28.7	13.544	Flood Risk
ACO (4)	FEH (-12hr): 100 years: +40 %: 15 mins: Summer	38.551	37.766	37.846	0.080	18.0	0.006	0.000	17.9	7.812	OK
ACO (3)	FEH (-12hr): 100 years: +40 %: 15 mins: Summer	38.550	37.850	38.240	0.390	31.2	0.029	0.000	28.8	13.544	Surcharged
ACO (5)	FEH (-12hr): 100 years: +40 %: 15 mins: Summer	38.530	37.670	37.872	0.202	60.6	0.046	0.000	59.9	26.286	OK
ExMH 9250	FEH (-12hr): 100 years: +40 %: 15 mins: Summer	38.760	37.240	38.382	1.142	0.0	0.000	0.000	0.0	0.000	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 (-12hr): 100 years: +40 %: 120 mins: Winter	37.826	37.826	0.341	0.341	29.5	39.254	0.000	0.000	0.0	0.000		32.744
TANK 3	FEH (-12hr): 100 years: +40 %: 120 mins: Winter	37.838	37.838	0.398	0.398	31.7	90.198	0.000	0.000	0.0	0.000		20.893
TANK 2A	FEH (-12hr): 100 years: +40 %: 120 mins: Winter	37.826	37.826	0.391	0.391	58.0	123.740	0.000	0.000	0.0	39.255		22.281

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Status
OK
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