

Miss Anna Lamaj  
 Principal Project Manager  
 Water Quality  
 APEM Group  
[A.Lamaj@apemltd.co.uk](mailto:A.Lamaj@apemltd.co.uk)  
 07920360841

## Notice to Mariners (NtMs)

### Water Quality Sampling Activity by APEM Group

#### Introduction

Mariners are advised that APEM will be conducting water sampling and sediment grabs activities over a 12-month period starting in October 2025 in The Blackwater Outer, Crouch and Colne. These operations will support environmental monitoring and research efforts. Further details, including specific locations, timings, and safety guidance, are provided below.

#### Research details

Vessel JEAN T with length 16.89m and breadth 5.25m, and GNH Crusader with length 14.8m and breadth 4.9m will display the appropriate signals/lights as appropriate for their vessel is able to maintain a continuous listen watch on VHF Channel 11 and 16. There are no requirements for an “ease down” from other crafts.

Survey			No. of Sites			No. of Surveys			Replicates			
Estuary water quality sampling			13			12			N/A			
Estuary tidal profile sampling			13			2			13 hrs			
Sediment Sampling			13			8			N/A			
Survey	2025 (no. of surveys)			2026 (no. of surveys)								
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Water Quality	1	1	1	1	1	1	1	1	1	1	1	1
Tidal Profile	0	0	0	0	2	0	0	0	0	0	2	0
Sediment Sampling	0	0	0	0	1	1	1	1	1	1	1	1
												8



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APEM Ltd, Riverview A17 Embankment Business Park, Heaton Mersey, Stockport SK4 3GN      Telephone +44 (0) 161 442 8938

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## Research

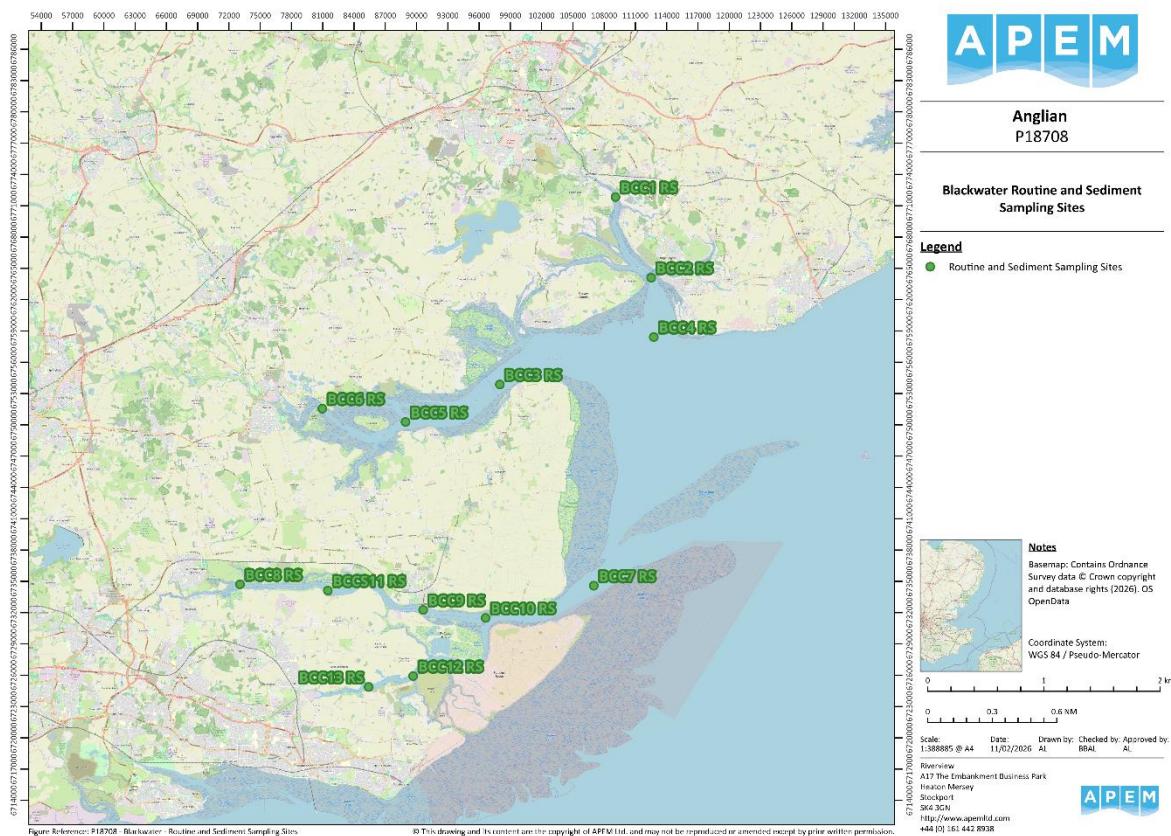
Site name	Site access	Indicative Coordinates	
BCC1	Vessel	605368	220272
BCC2	Vessel	607683	215581
BCC3	Vessel	598940	208892
BCC4	Vessel	607982	212077
BCC5	Vessel	593416	206452
BCC6	Vessel	588433	207057
BCC7	Vessel	605013	197173
BCC8	Vessel	583914	196446
BCC9	Vessel	594893	195331
BCC10	Vessel	598640	195002
BCC11	Vessel	589164	196265
BCC12	Vessel	594449	191378
BCC13	Vessel	591811	190623



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