

Vendor Coversheet

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Fugro – Notice to Mariners

Five Estuaries Offshore Wind Farm

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Five Estuaries Offshore Wind Farm Limited

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Client Information

Client	Five Estuaries Offshore Wind Farm Limited
Client Address	Trigonos, Windmill Hill Business Park, Swindon, SN5 6PB
Client Contact	Mark Osola
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1. Introduction

Five Estuaries Offshore Wind Farm Limited has contracted Fugro GB Marine Limited (Fugro) to carry out a geophysical and environmental site investigation in the North Sea for the proposed Five Estuaries Offshore Wind Farm (FEOW) site.

The Five Estuaries Offshore Wind Farm site is located to the east of Felixstowe and bordering the Greater Gabbard and Galloper existing wind farms.

Geophysical operations are expected to continue in this area up to the end of November 2021.

It is requested that anybody having knowledge of any potential objects submerged or moored on the seabed within the works area that could be damaged by, or form a hazard to, the vessel and its equipment advises the Project's Fishing Liaison Officer of their position and nature. The Project has also requested the clearance of static fishing gear within the boundary shown in Figure 1 of this Notice.

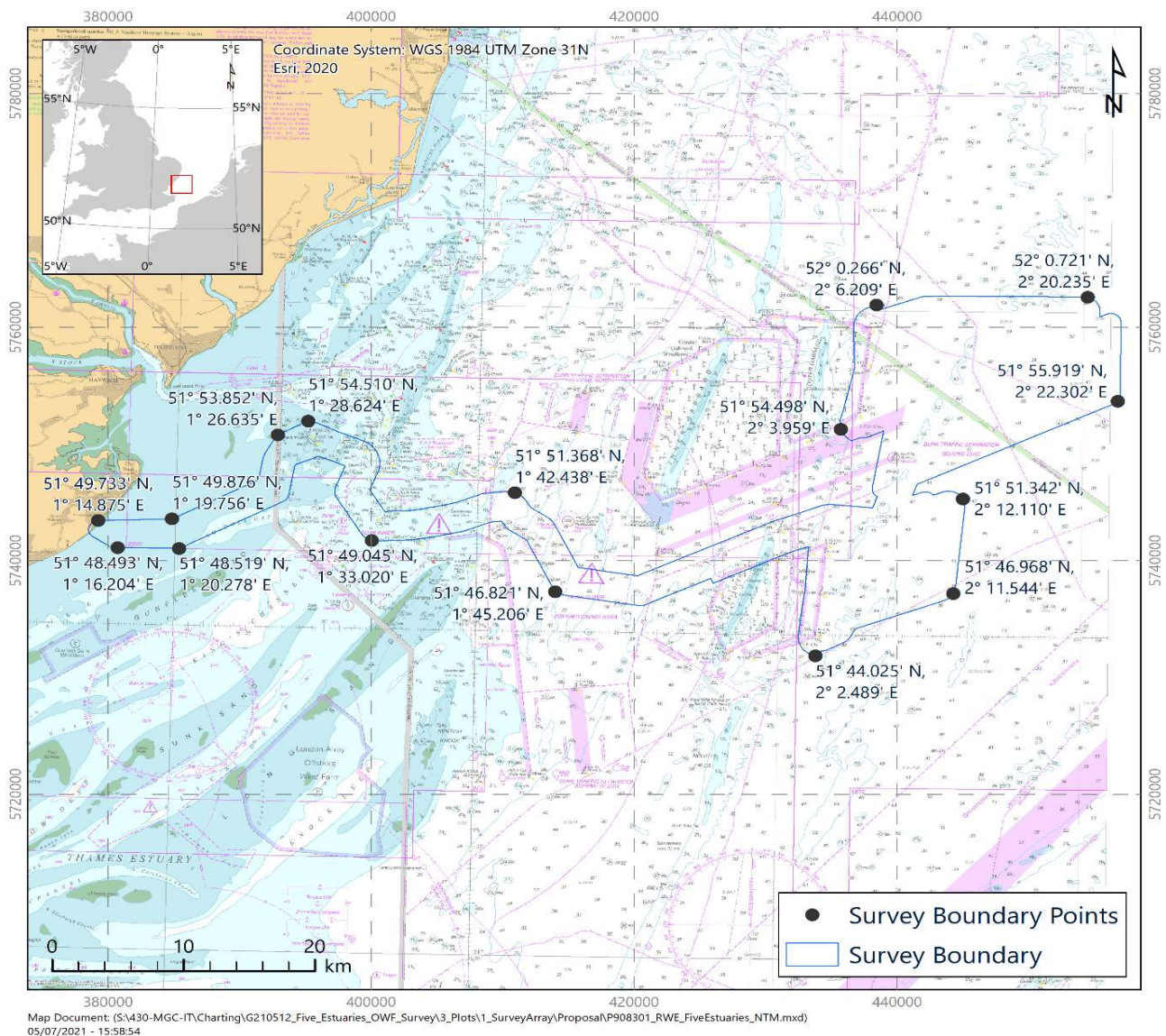


Figure 1: Project Location

2. Area of Operations

The coordinates of the survey area, including buffers, are also provided below.

Table 1: Survey Area Buffer Zone Coordinates

Label	Lat_DDM	Long_DDM	Easting	Northing
1	51° 49.733' N	1° 14.875' E	379265.3	5743457.6
2	51° 49.876' N	1° 19.756' E	384876.1	5743591.5
3	51° 53.852' N	1° 26.635' E	392933.1	5750785.2
4	51° 54.510' N	1° 28.624' E	395239.4	5751956.6
5	51° 51.368' N	1° 42.438' E	410972.6	5745826.1
6	51° 54.498' N	2° 3.959' E	435748.6	5751251.3
7	52° 0.266' N	2° 6.209' E	438460.0	5761909.9
8	52° 0.721' N	2° 20.235' E	454513.8	5762582.0
9	51° 55.919' N	2° 22.302' E	456801.3	5753660.5
10	51° 51.342' N	2° 12.110' E	445029.5	5745289.1
11	51° 46.968' N	2° 11.544' E	444290.5	5737189.0
12	51° 44.025' N	2° 2.489' E	433808.3	5731860.6
13	51° 46.821' N	1° 45.206' E	414006.0	5737343.6
14	51° 49.045' N	1° 33.020' E	400077.7	5741724.3
15	51° 48.519' N	1° 20.278' E	385418.6	5741061.4
16	51° 48.493' N	1° 16.204' E	380736.9	5741122.2

3. Fugro Mercator - Offshore Geophysical Investigation

The geophysical operations at the Five Estuaries site are expected to be carried out from the Fugro Mercator from 5th August 2021 until 30th November 2021.

Fugro Mercator will be conducting operations across the Main Array and Export Cable Route areas >10m LAT.

Please note that the exact start and finish date will be dependent on the prevailing weather conditions and work progress.


Important Information

As the Fugro Mercator will be towing survey equipment the vessel will require large turning circles and will be restricted in her ability to manoeuvre. All vessels operating within this area are requested to keep their distance, maintaining at least the 500m safety zone around the survey vessel, and pass at minimum speed to reduce vessel wash.

A continuous listening watch will be conducted on VHF Channel 16.

Survey operations will be conducted on a 24-hour basis.

Table 2: Fugro Mercator

	General Information	
	Name	Mercator
	Flag	Bahamas
	MMSI	311000786
	IMO	9299977
	Call Sign	C6DU5
	Class	BV + 100 A5 K MC AUT
	Dimensions	
	Length	42.35m
	Beam	10.34m
	Draught (loaded)	1.4m
	Gross Tonnage	360
	Communication (VHF Channel 16)	
	Master	+31 615 42 06 73
	Vessel Sat Phone	+47 2240 8646
	Email:	bridge@mca.fugro.com

Sam Litchfield – Vessel Project Manager (Fugro Mercator)

Mob: +44 (0) 7748 988 393, **Email:** s.litchfield@fugro.com

4. Curtis Marshall - Environmental Investigation

The environmental operations at the Five Estuaries site are expected to be carried out from the Curtis Marshall from 2nd November 2021 for approximately 2 weeks. Curtis Marshall will be conducting operations across the Main Array and Export Cable Route areas both offshore and nearshore.

Please note that the exact start and finish date will be dependent on the prevailing weather conditions and work progress.


Important Information

As the Curtis Marshall will be deploying equipment astern of the vessel, the vessel will require large turning circles and will be restricted in her ability to manoeuvre. All vessels operating within this area are requested to keep their distance, maintaining at least the 500m safety zone around the survey vessel, and pass at minimum speed to reduce vessel wash.

A continuous listening watch will be conducted on VHF Channel 16.

Survey operations will be conducted on a 24-hour basis.

Table 3: Curtis Marshall

	General Information	
	Name	Curtis Marshall
	MMSI	235107219
	Call Sign	2HWN3
	Type	Catapult 396
	Dimensions	
	Length	27m
	Beam	8m
	Draught (loaded)	1.65m
	Gross Tonnage	110
	Communication (VHF Channel 16)	
	Contact Number	+44 (0) 7487 737 865

Séamus Whyte - Environmental Package Manager (Curtis Marshall)

Mob: +44 7557 120248, **Email:** sg.whyte@fugro.com

5. Fugro Seeker - Nearshore Geophysical Investigation

The geophysical operations on the Five Estuaries export cable route from the 10m LAT contour inshore to the potential landfall, are expected to be carried out from the survey vessel Fugro Seeker from 1st August 2021 until the 20th October 2021.

Please note that the exact start and finish date will be dependent on the prevailing weather conditions and work progress.


Important Information

As the Fugro Seeker will be towing survey equipment the vessel will require large turning circles and will be restricted in her ability to manoeuvre. All vessels operating within this area are requested to keep their distance, maintaining at least the 500m safety zone around the survey vessel, and pass at minimum speed to reduce vessel wash.

A continuous listening watch will be conducted on VHF Channel 16.

Survey operations will be conducted on a 12-hour basis.

Table 4: Fugro Seeker

	General Information	
	Name	Fugro Seeker
	MMSI	235102539
	Call Sign	2HCS2
	Type	Catapult 396
	Dimensions	
	Length	12.00m
	Beam	4.90m
	Draught (loaded)	1.10m
	Gross Tonnage	19
	Communication (VHF Channel 16)	
	Master	Mark Shelley +44 7766 000 208 Tracy Smith +44 7866 636 211
	Party Chief	Ryan Taylor +44 7788 592 634 Tony Tranah +44 7917 695 644
	Email:	Master.fugroseeker@fugro.com Partychief.fugroseeker@fugro.com

Daniel Ferguson – Vessel Project Manager (Fugro Seeker)

Mob: +44 (0) 7968 845551, **Email:** d.ferguson@fugro.com

6. Immediate Contacts

The contents of this notice are based upon our current site investigation programme and upon Fugro's planning at the time of submission. It should be noted that Fugro will endeavour to update this notice as required.

Enquiries regarding the contents of this Notice to Mariners, or any other matters, should be directed to Fugro (survey contractor):

Sam Litchfield – Project Manager (Fugro)

Mob: +44 (0) 7748 988 393, **Email:** s.litchfield@fugro.com

Guy Jamieson – Project Delivery Manager

Mob: +44 (0) 7771 908 323, **Email:** g.jamieson@fugro.com

For enquiries related to Fishing, please contact the dedicated Fisheries Liaison Officer for the Five Estuaries Offshore Wind Farm:

Freya Sandison & Sophie Farenden - Fisheries Liaison Officers (FLOs) (Brown & May)

Tel: +44 1379 772 871 **Mob:** +44 7587 500 609 **Email:** freya@brownmay.com

Tel: +44 1379 872 149 **Mob:** +44 7525 128 344 **Email:** Sophie.farenden@brownmay.com

7. Distribution List

This Notice to Mariners has been distributed to the following authorities, companies and individuals:

7.1 Maritime Notification and Authorities

Table 5: Maritime and Authorities

Organisation	Address	Phone	E-mail	Role
UK Hydrographic Office	Admiralty Way Taunton Somerset TA1 2DN	+44 (0) 1823 337 900	navwarnings@ukho.gov.uk sdr@ukho.gov.uk	Radio Navigation Warnings H-Notes
UK Maritime and Coastguard Agency	Spring Place 105 Commercial Road Southampton Hampshire SO15 1EG	+44 (0) 23 8032 9486	navigationsafety@mcga.gov.uk	UK Coastguard
Trinity House Lighthouse Service	Tower Hill London EC3N 4DH	+44 (0) 20 7481 6900	navigation.directorate@thls.org	England/Wales lights, marks and buoys
Marine Management Organisation (Harwich)	Miranda House The Quay Harwich CO12 3HH United Kingdom	+44 (0) 1255 508 973	harwich@marinemangement.org.uk lowestoft@marine-management.org.uk marine.consents@marinemangement.org.uk	Harwich MMO Office
The Crown Estate	1 St James's Market London SW1Y 4AH	020 7851 5000	Consents@thecrownestate.co.uk	Consents
Greater Gabbard Wind Farm	GGOWF – (Lowestoft) C/o Scottish and Southern Energy 10 Herring Market Battery Green Road NR32 1BY	01502 524001 or 01502 524002	lowestoft.marinecontrol@sse.com ggofto@equitix.co.uk	Marine Control Greater Gabbard Windfarm
Galloper Wind Farm	Galloper Wind Farm Offshore Operations & Maintenance facility Phoenix Road Harwich CO12 4GD	Marine Coordinator 0800 093733 Control Room 0800 093747 VHF CH 87/88	svr_galmcc.service@rwe.com Sean.chenery@rwe.com	Marine Coordinator Galloper Windfarm

7.2 Fishing Industry

Table 6: Fishing Industry

Organisation	Address	Phone	E-mail	Role
National Federation of Fisherman's Organisations	30 Monkgate York YO31 7PF	+44 (0) 1904 635 430	nffo@nffo.org.uk	Fishing Industry Representatives
Sea Fish industry Authority	Origin Way Europarc Grimsby NE Lincs	+44 (0) 1472 252 300	kingfisher@seafish.co.uk	Fishing industry Notice / Publication Kingfisher Information Service
Kent and Essex IFCA	The Sail Loft, Shipyard Estate, Brightlingsea, Colchester CO7 0AR	+44 (0) 1843 585 310	info@kentandessex-ifca.gov.uk	Inshore Fisheries and Conservation Authority
Eastern IFCA	6 North Lynn Business Village Bergen Way King's Lynn Norfolk PE30 2JG	+44 (0) 1553 775 321	mail@eastern-ifca.gov.uk	Inshore Fisheries and Conservation Authority

7.3 Port Authorities

Table 7: Port Authorities

Organisation (Contact)	Address	Phone	E-mail	Role
Harwich Haven Port Authority (James Goodfellow)	Harbour House The Quay Harwich CO12 3HH	+44 (0) 1255 252313 / +44 (0) 7801 681 138	James.goodfellow@hha.co.uk	Assistant Harbour Master
Sunk VTS (Tony Evans)		+44 (0) 3443 820 595	Tony.evans@mcga.gov.uk SunkVTS@mcga.gov.uk	Vessel Traffic Service

7.4 Client Group

Table 8: Client Group

Organisation	Address	Phone	E-mail	Role
Five Estuaries Offshore Wind Farm Limited	Five Estuaries Offshore Wind Farm Limited, Windmill Hill Business Park, Whitehill Way, Swindon, Wiltshire SN5 6PB	+44 (0) 7557 758 149	mark.osola@rwe.com	Client: Mark Osola

7.5 Contractor Group

Table 9: Contractor Group

Organisation	Address	Phone	E-mail	Role
Fugro GB Marine Limited	Victory House 16 Trafalgar Wharf Hamilton Road Portchester Hampshire PO6 4PX	+44 (0) 7748 988 393	s.litchfield@fugro.com	Project Manager: Sam Litchfield

7.6 Other Sea Users

Table 10: Other Sea Users

Organisation	E-mail
Tarmac	andrew.bellamy@tarmac.com
BT Limited	dec.wallace@bt.com nadeem.qureshi@bt.com
BritNed	britned.info@britned.com
CEFAS	keith.cooper@cefas.co.uk
North Falls Offshore Wind Farm	thomas.crawford@rwe.com
Environment Agency	Gemma.Allsop@environment-agency.gov.uk
Gunfleet Sands OWF	paul.bennett@tinva.com
Tendring District Council	coastprotection@tendringdc.gov.uk
Anglian Water	developmentservices@anglianwater.co.uk
Natural England	consultations@naturalengland.org.uk
Century Link	paul.betts@centurylink.com
Interroute	neil.donovan@gtt.net
Diamond Transmission UK	Joel.matthews@diamondtransmissioncorp.com Gary.howden@res-group.com