

Vendor Coversheet

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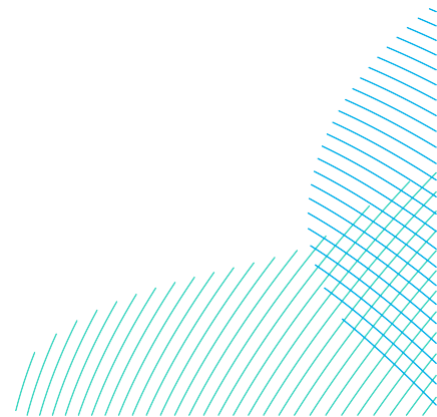
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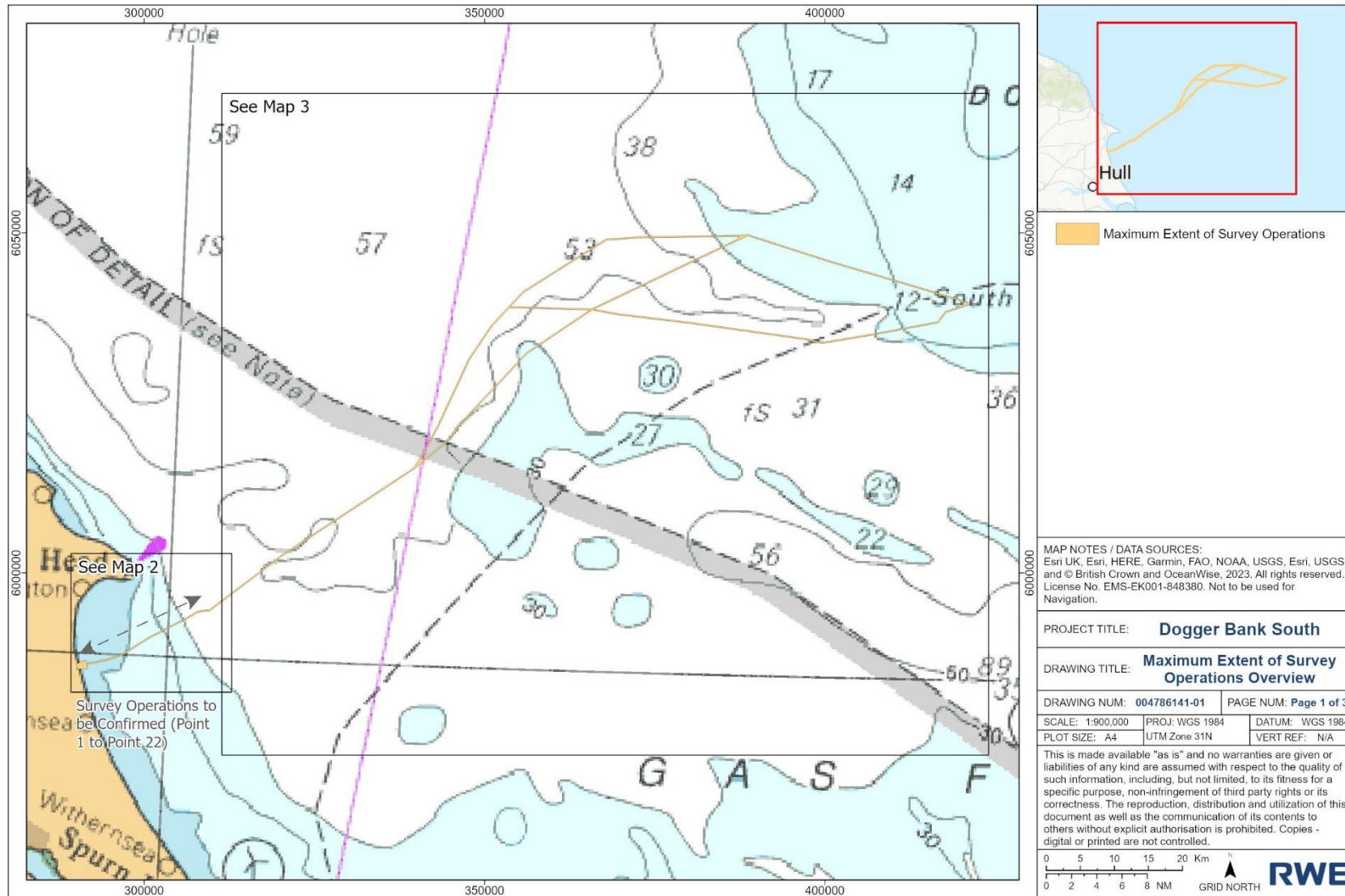
1. Introduction

RWE Renewables has contracted Fugro GB Marine Limited (Fugro) to carry out a geotechnical site investigation in the North Sea for the proposed Dogger Bank South (DBS) Offshore Wind Farms export cable route options.

The DBS offshore export cable route options extend from the proposed landfall location at Skipsea (near Bridlington) to the array sites located approximately 70 Nm East of Flamborough Head on the southern edge of Dogger Bank.

The maximum extent of survey operations is presented in Figure 1.1. Figure 1.2 outlines the area in which future survey operations are planned, with details to be confirmed in an updated Notice to Mariners. Figure 1.3 outlines the area in which survey operations have been confirmed and are detailed within this Notice to Mariners.

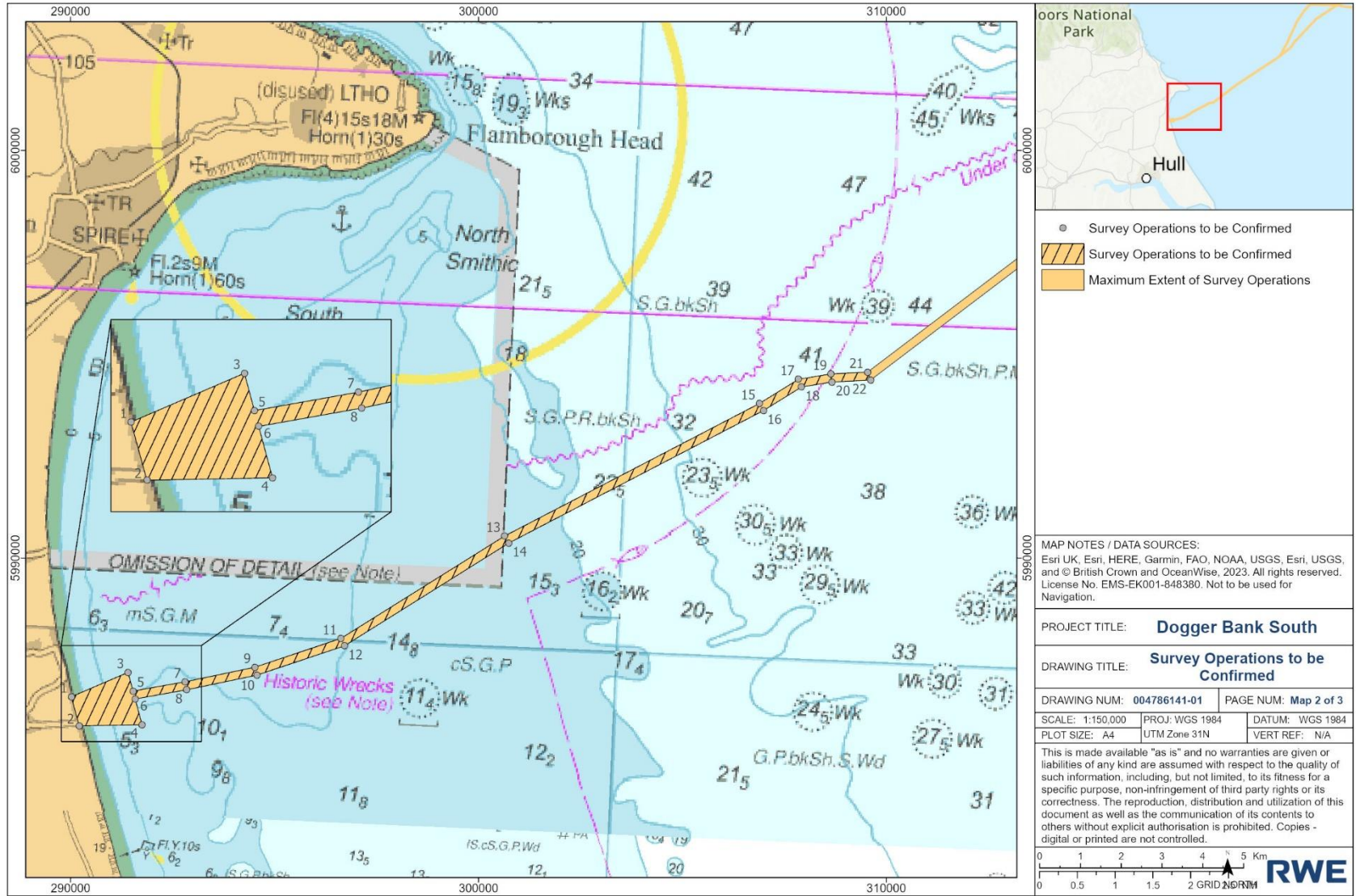




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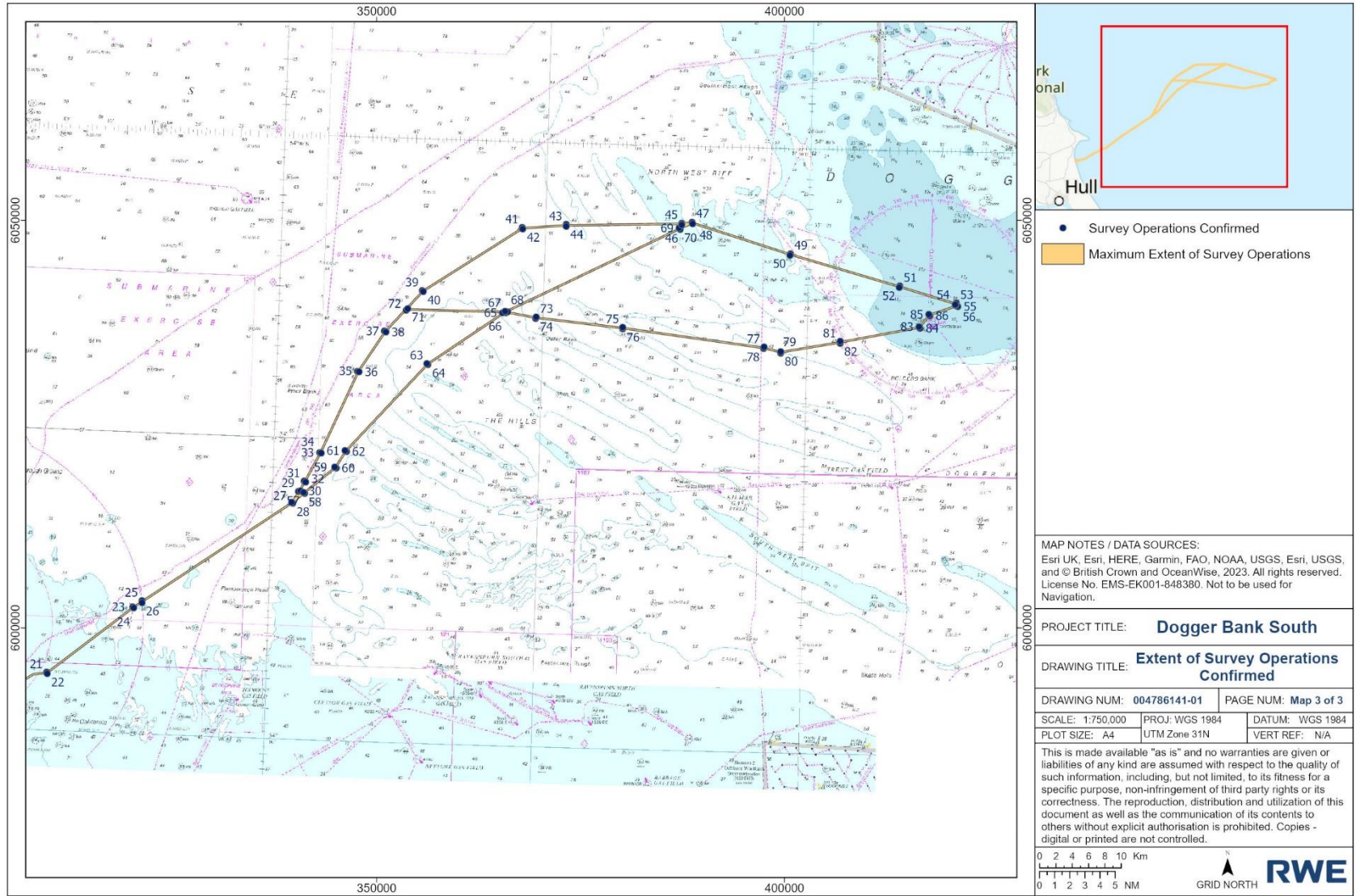
Figure 1.1 Dogger Bank South maximum extent of survey operations (points 1-86)

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Figure 1.2 Dogger Bank South survey operations to be confirmed (points 1-22)



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Figure 1.3 Dogger Bank South survey operations confirmed (points 22-86)

2. Area of Operations

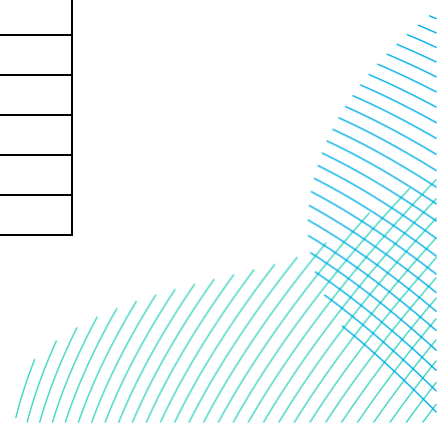
The Table 2.1: Maximum Extent of Survey Operations Coordinates (WGS84 UTM Zone 31N) presents the extent of the Voe Vanguard operations as presented by the yellow area in Figures 1.1 – 1.3. Coordinates in grey (points 1-22) represent the area in which future survey operations are planned, with details to be confirmed in an updated Notice to Mariners.

Table 2.1: Maximum Extent of Survey Operations Coordinates (WGS84 UTM Zone 31N)

Label	Lat_DDM (WGS84)	Long_DDM (WGS84)	Perimeter (Y/N)
1	53° 59.097' N	000° 12.167' W	Y
2	53° 58.718' N	000° 11.959' W	Y
3	53° 59.453' N	000° 10.921' W	Y
4	53° 58.771' N	000° 10.554' W	Y
5	53° 59.209' N	000° 10.79' W	Y
6	53° 59.106' N	000° 10.734' W	Y
7	53° 59.363' N	000° 9.634' W	Y
8	53° 59.258' N	000° 9.592' W	Y
9	53° 59.595' N	000° 8.087' W	Y
10	53° 59.493' N	000° 8.031' W	Y
11	54° 0.026' N	000° 6.186' W	Y
12	53° 59.93' N	000° 6.1' W	Y
13	54° 1.473' N	000° 2.616' W	Y
14	54° 1.381' N	000° 2.518' W	Y
15	54° 3.367' N	000° 2.974' E	Y
16	54° 3.275' N	000° 3.071' E	Y
17	54° 3.708' N	000° 3.83' E	Y
18	54° 3.607' N	000° 3.903' E	Y
19	54° 3.798' N	000° 4.554' E	Y
20	54° 3.691' N	000° 4.581' E	Y
21	54° 3.841' N	000° 5.375' E	Y
22	54° 3.737' N	000° 5.448' E	Y
23	54° 8.391' N	000° 14.763' E	Y
24	54° 8.305' N	000° 14.875' E	Y
25	54° 8.808' N	000° 15.752' E	Y
26	54° 8.688' N	000° 15.782' E	Y
27	54° 15.7' N	000° 32.21' E	Y
28	54° 15.616' N	000° 32.326' E	Y
29	54° 16.435' N	000° 32.956' E	Y
30	54° 16.451' N	000° 33.177' E	N
31	54° 17.108' N	000° 33.549' E	Y
32	54° 17.059' N	000° 33.714' E	N
33	54° 19.039' N	000° 35.198' E	Y
34	54° 19.003' N	000° 35.373' E	N
35	54° 24.501' N	000° 39.174' E	Y
36	54° 24.451' N	000° 39.338' E	N

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37	54° 27.209' N	000° 42.082' E	Y
38	54° 27.145' N	000° 42.231' E	N
39	54° 29.968' N	000° 46.222' E	Y
40	54° 29.886' N	000° 46.345' E	N
41	54° 34.34' N	000° 57.355' E	Y
42	54° 34.235' N	000° 57.419' E	N
43	54° 34.612' N	001° 2.329' E	Y
44	54° 34.505' N	001° 2.342' E	N
45	54° 34.913' N	001° 15.478' E	Y
46	54° 34.803' N	001° 15.49' E	N
47	54° 34.998' N	001° 16.637' E	Y
48	54° 34.878' N	001° 16.681' E	N
49	54° 33.055' N	001° 27.903' E	Y
50	54° 32.951' N	001° 27.853' E	Y
51	54° 31.069' N	001° 40.401' E	Y
52	54° 30.965' N	001° 40.351' E	N
53	54° 29.994' N	001° 46.863' E	Y
54	54° 29.904' N	001° 46.734' E	N
55	54° 29.781' N	001° 47.047' E	Y
56	54° 29.842' N	001° 46.787' E	N
57	54° 16.372' N	000° 33.528' E	N
58	54° 16.282' N	000° 33.634' E	Y
59	54° 18.116' N	000° 36.959' E	N
60	54° 18.046' N	000° 37.103' E	Y
61	54° 19.228' N	000° 38.073' E	N
62	54° 19.164' N	000° 38.223' E	Y
63	54° 25.152' N	000° 47.011' E	N
64	54° 25.072' N	000° 47.136' E	Y
65	54° 28.662' N	000° 55.406' E	N
66	54° 28.66' N	000° 55.719' E	Y
67	54° 28.771' N	000° 55.673' E	N
68	54° 28.745' N	000° 55.991' E	N
69	54° 34.582' N	001° 15.201' E	N
70	54° 34.486' N	001° 15.284' E	N
71	54° 28.742' N	000° 44.626' E	N
72	54° 28.634' N	000° 44.463' E	N
73	54° 28.453' N	000° 59.2' E	N
74	54° 28.346' N	000° 59.177' E	Y
75	54° 27.919' N	001° 9.079' E	N
76	54° 27.812' N	001° 9.06' E	Y
77	54° 26.836' N	001° 25.137' E	N
78	54° 26.73' N	001° 25.105' E	Y
79	54° 26.578' N	001° 27.06' E	N
80	54° 26.468' N	001° 27.056' E	Y
81	54° 27.314' N	001° 33.749' E	N
82	54° 27.208' N	001° 33.785' E	Y



83	54° 28.395' N	001° 42.693' E	N
84	54° 28.297' N	001° 42.798' E	Y
85	54° 29.225' N	001° 43.779' E	N
86	54° 29.134' N	001° 43.892' E	Y

Coordinates are in WGS84 and UTM 31 (DDM)

3. Offshore Geotechnical Investigation

The geotechnical survey operations on the Dogger Bank South offshore export cable route options are expected to be carried out by the Voe Vanguard starting around 24 May 2023, with operations continuing for a period of approximately six weeks.

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

Important Information

As the Voe Vanguard will be deploying investigation equipment to the seabed, it is requested that all vessels operating within this area keep their distance, maintaining at least a 500m exclusion zone, and pass at minimum speed to reduce vessel wash.

A continuous listening watch will be conducted on VHF Channel 16 by the survey vessel. Operations will be conducted on a 24-hour basis.

Guard vessel Rover Alpha will maintain a presence along the nearshore export cable route during geotechnical survey operations in this area and can be contacted on VHF channel 16 for any project and / or fisheries related queries.

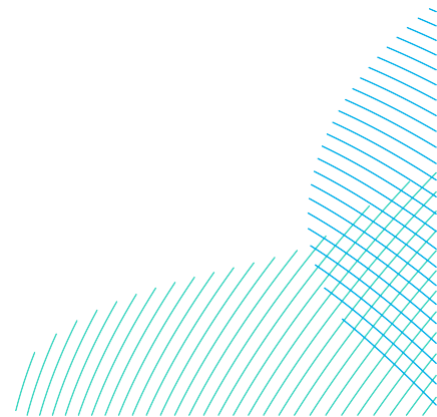




Table 3.1: Voe Vanguard

	General Information	
	Name	Voe Vanguard
	Flag	UK
	MMSI	232008636
	IMO	9809693
	Call Sign	MBEN9
	Length [m]	33.2
	Gross Tonnage	499
	Communication (VHF Channel 16)	
	Vessel Phone	+44 7766 798 481
	Vessel Email:	voevanguard@delta-marine.co.uk
	Vessel Party Chief Email:	pc.voe@fugro.com

Yegor Zukhin – Vessel Project Manager

Mob: +31 634580060 **Email:** y.zukhin@fugro.com

Table 3.2: Rover Alpha

	General Information	
	Name	Rover Alpha
	Flag	UK
	MMSI	235010380
	IMO	
	Call Sign	MLAS2
	Length [m]	18.2
	Gross Tonnage	101.4
	Communication (VHF Channel 16)	
	Vessel Phone	01346 4906607
	Vessel Email:	Roveralpha2@gmail.com

4. 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, should be directed to Fugro (survey contractor).

Enquiries relating to the geotechnical investigation should be sent to:

Krzysztof Burzynski – Project Manager

Mob: +44 7392 263 096 **Email:** k.burzynski@fugro.com

5. Fisheries

For enquiries related to the Fishing Industry, please contact the dedicated Fisheries Liaison Officer for the Dogger Bank South Offshore Wind Farm:

Nigel Proctor - Fisheries Liaison Officer (FLO) (Precision Marine Survey Limited)

Mob: +44 7702 730891 **Email:** n.proctor@precisionmarine.co.uk

Daniel Proctor - Fisheries Liaison Officer (FLO) (Precision Marine Survey Limited)

Mob: +44 7507 556582 **Email:** d.proctor@precisionmarine.co.uk

6. Distribution List

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

Maritime Notification and Authorities

Table 6.1: Maritime and Authorities

Organisation	Address	Phone	E-mail	Role
UK Hydrographic Office	Admiralty Way Taunton Somerset TA1 2DN	+44 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 23 8032 9486	navigationsafety@mcga.gov.uk	UK Coastguard
Trinity House Lighthouse Service	Tower Hill London EC3N 4DH	+44 20 7481 6900	navigation.directorate@thls.org	England / Wales lights, marks and buoys
Marine Management Organisation (Scarborough)	Unit 2a, Newchase Court Hopper Hill Road Eastfield Scarborough North Yorkshire YO11 3YS	+44 1723 580 040	scarborough@marinemanagement.org.uk	Scarborough MMO Office
Marine Management Organisation (Beverley)	Room 13, Ground Floor Crosskill House Mill Lane Beverley HU17 9JB	+44 208 026 0519	beverley@marinemanagement.org.uk	Beverley MMO Office
The Crown Estate	1 St James's Market London SW1Y 4AH	+44 20 7851 5000	Consents@thecrownestate.co.uk	Consents

Fishing Industry

Table 6.2: Key Fishing Industry Contacts*

Organisation	Address	Phone	E-mail	Role
National Federation of Fisherman's Organisations	30 Monkgate York YO31 7PF	+44 1904 635 430	nffo@nffo.org.uk	Fishing Industry Representatives
Sea Fish industry Authority	Origin Way Europarc Grimsby NE Lincs DN37 9TZ	+44 1472 252 300	kingfisher@seafish.co.uk	Fishing industry Notice / Publication Kingfisher Information Service
Inshore Fisheries and Conservation Authorities (IFCA)	Eastern IFCA – Unit 6, North Lynn Business Village, Bergen Way, Kings Lynn, PE30 2JG	+44 1553 775321	mail@eastern-ifca.gov.uk	IFCAs regulate and enforce inshore fisheries, for fisheries sustainability and conservation purposes
	North Eastern IFCA – Town Hall, Bridlington, YO16 4LP	+44 1482 393515	ne-ifca@eastriding.gov.uk	

* Note that the FLO will distribute to other individual, national and international fishing interests as required.

Port Authorities

Table 6.3: Port Authorities

Organisation	Address	Phone	E-mail	Role
Ports of Scarborough and Whitby	Scarborough Borough Council Whitby Harbour Office, Endeavour Wharf Whitby YO21 1DN	01947 602 354 / 01723 373 530	chris.burrows@scarborough.gov.uk	Harbour Master
Bridlington Harbour	Gummers Wharf West End Bridlington YO15 3AN	01262 670148	email@bridlingtonharbour.com	Harbour Superintendent
Grimsby Fish Dock	Wharnccliffe Road Grimsby DN31 3QJ	01472 350 023	roger@portofgrimsby.com	Port Operations Manager
Port of Immingham	Nordic House Western Access Road		alan.finch@dfds.com	Terminal Operations Director

Organisation	Address	Phone	E-mail	Role
	Immingham DN40 2LZ			

Client Group

Table 6.4: Client Group

Organisation	Address	Phone	E-mail	Role
Dogger Bank South Offshore Wind Farm	RWE Renewables UK Windmill Hill Business Park, Whitehill Way, Swindon, Wiltshire SN5 6PB	07557 758 149	Mark.osola @rwe.com	Project Manager Mark Osola

Contractor Group

Table 6.5: Contractor Group

Organisation	Address	Phone	E-mail	Role
Fugro	Fugro House, Hithercroft Road, Wallingford, OX10 9RB, UK	+44 7392 263 096	k.burzynski@ fugro.com	Project Manager
Fugro	Prismastraat 4, 2631 RT Nootdorp, The Netherlands	+31 634580060	y.zukhin@fu gro.com	Vessel Project Manager

