



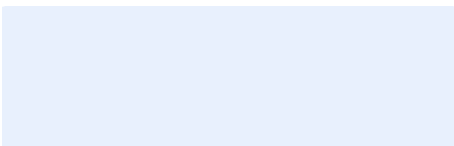
Notice to Mariners - Offshore

Fugro Pioneer

191069-NtM Offshore (00) | 6 January 2020

Final

Sofia Offshore Wind Farm Limited



Document Control

Document Information

Project Title	Sofia Offshore Wind Farm Investigation 2020
Document Title	Notice to Mariners - Offshore
Avalon No.	TBA
Fugro Project No.	191069
Fugro Document No.	191069-NtM Offshore
Issue Number	00
Issue Status	Final
Document Owner	Sally Dalrymple
Entity	FGBML

Client Information

Client	Sofia Offshore Wind Farm Limited
Client Address	Trigonos, Windmill Hill Business Park, Swindon, SN5 6PB
Client Contact	Mike Gould
Client Document No.	003443917-01 Notice to Mariners - Offshore Site Investigation

Revision History

Issue	Date	Status	Comments on Content	Prepared By	Checked By	Approved By
00	9 December 2019	For Review	Awaiting client comments	SD	SW/MS	

Project Team

Initials	Name	Role
SD	Sally Dalrymple	Project Manager
SW	Sydney Waters	Assistant Project Manager
MS	Mark Schreiber	Vessel Manager

Contents

1.	Introduction	1
2.	Area of Operations – Export Cable Corridor	1
3.	Offshore Geophysical Investigation – Export Cable Corridor	1
4.	Immediate Contacts	2
5.	Survey Vessels	3
6.	Distribution List	4
6.1	Maritime Notification and Authorities	4
6.2	Fishing Industry	5
6.3	Port Authorities	5
6.4	Client Group	5
6.5	Contractor Group	6

Appendices

No table of contents entries found.

Figures in the Main Text

Figure 1.1:	Project Location	1
Figure 2.1:	Buffer Zone Map	2
Figure 2.2:	Buffer Zone Map	3
Figure 2.3:	Buffer Zone Map	4

Tables in the Main Text

Table 2.1:	Survey Area Buffer Zone Coordinates	3
Table 2:	Fugro Frontier	3
Table 3:	Guard Vessel – Margaret Mary	6
Table 4:	Maritime and Authorities	7
Table 5:	Fishing Industry	5
Table 6:	Port Authorities	5
Table 7:	Client Group	5
Table 8:	Contractor Group	6

1. Introduction

Sofia Offshore Wind Farm Limited (SOWFL) has contracted Fugro GM Marine Limited (Fugro) to carry out a geophysical and geotechnical site investigation off the north-east coast of the UK for the proposed Sofia Offshore Wind Farm (SOWF) site.

The Sofia Offshore Wind Farm (SOWF) site is located in the North Sea located on the Dogger Bank, 165 km off the north-east coast of the UK in water depths between 21 m and 35 m Lowest Astronomical Tide (LAT).

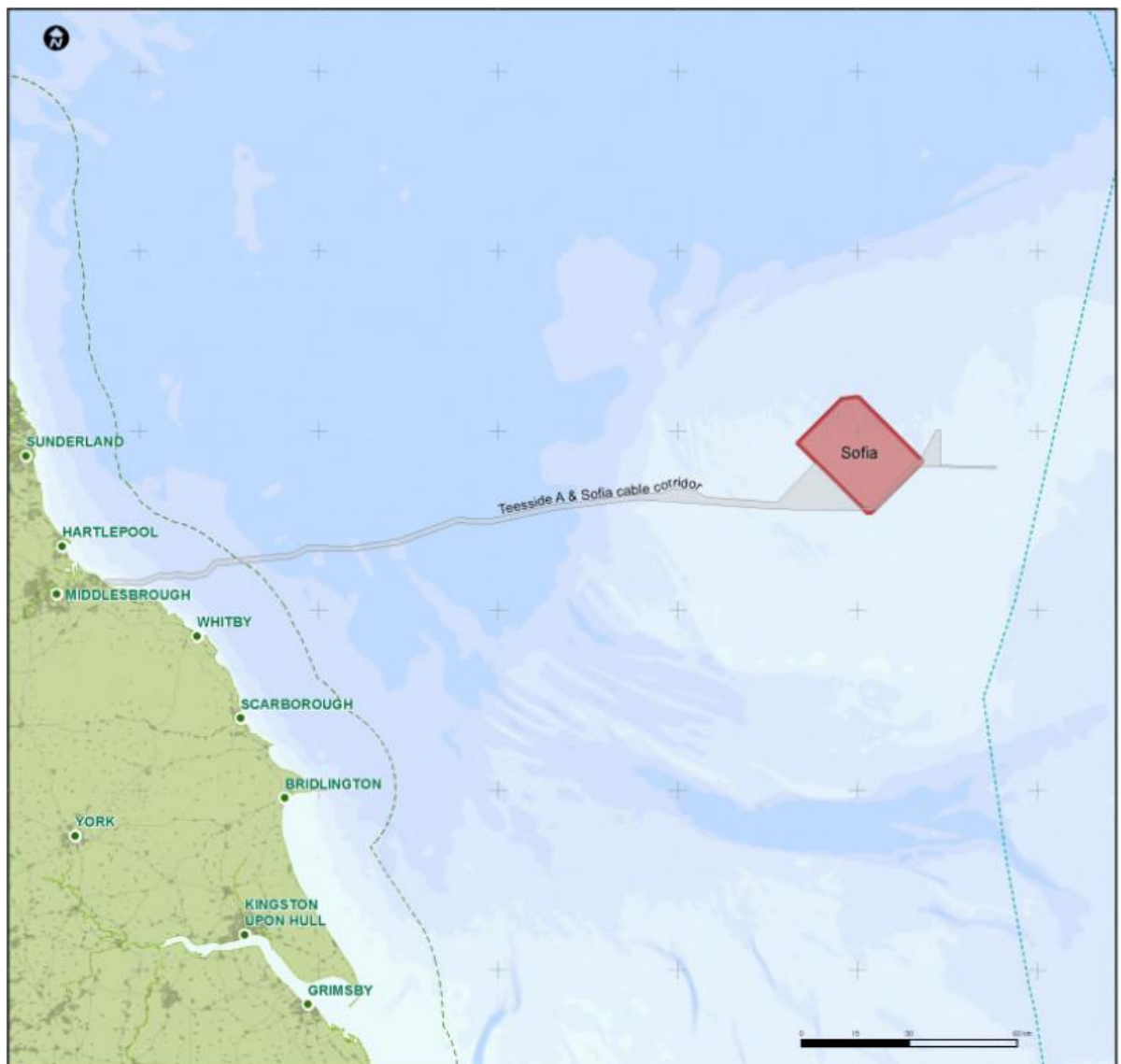


Figure 1.1: Project Location

2. Area of Operations – Export Cable Corridor

The following maps indicates the areas within which the export cable corridor survey will be carried out and the coordinates of the survey area, including buffers, are also provided below:

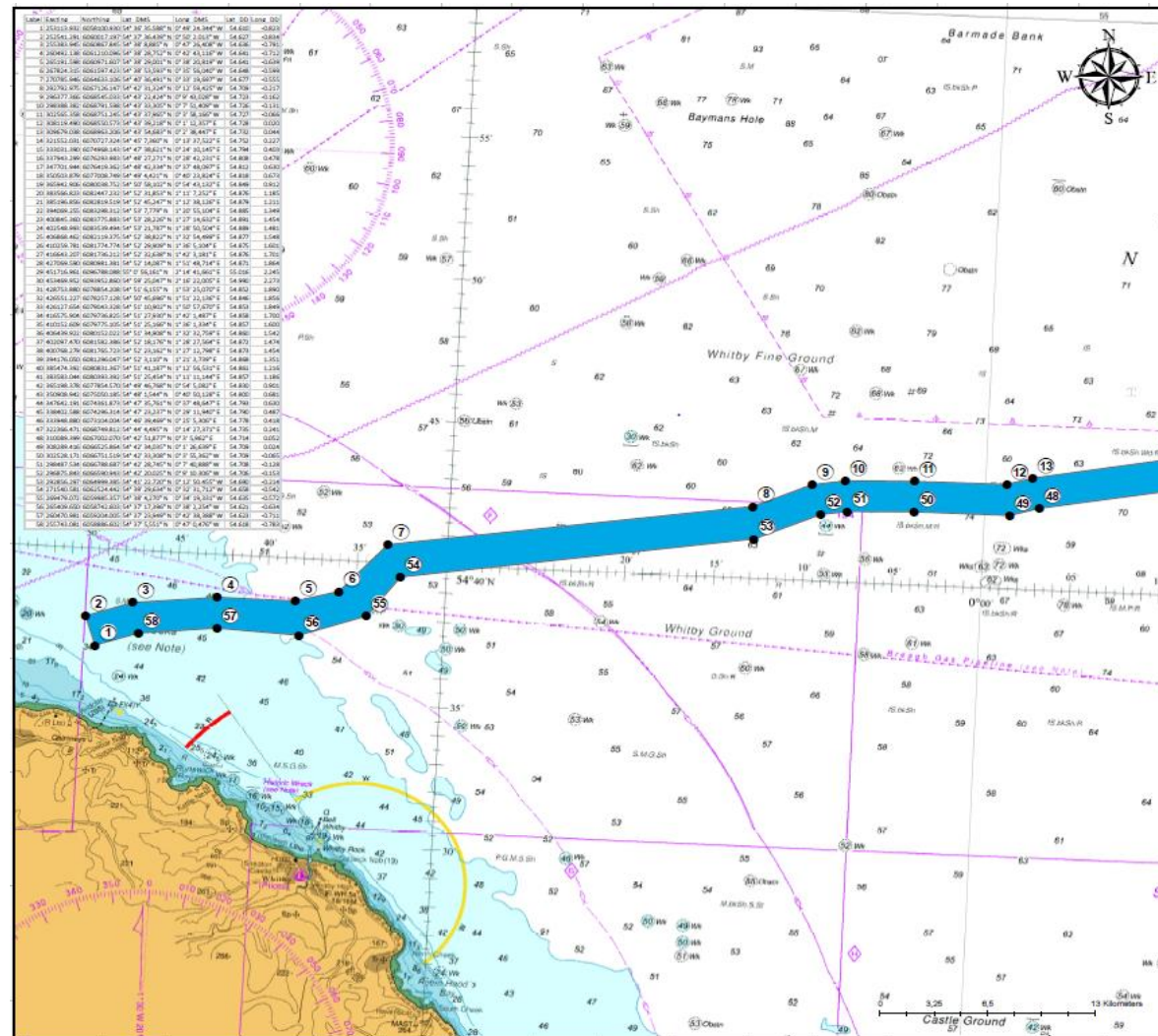


Figure 2.1: Buffer Zone Map

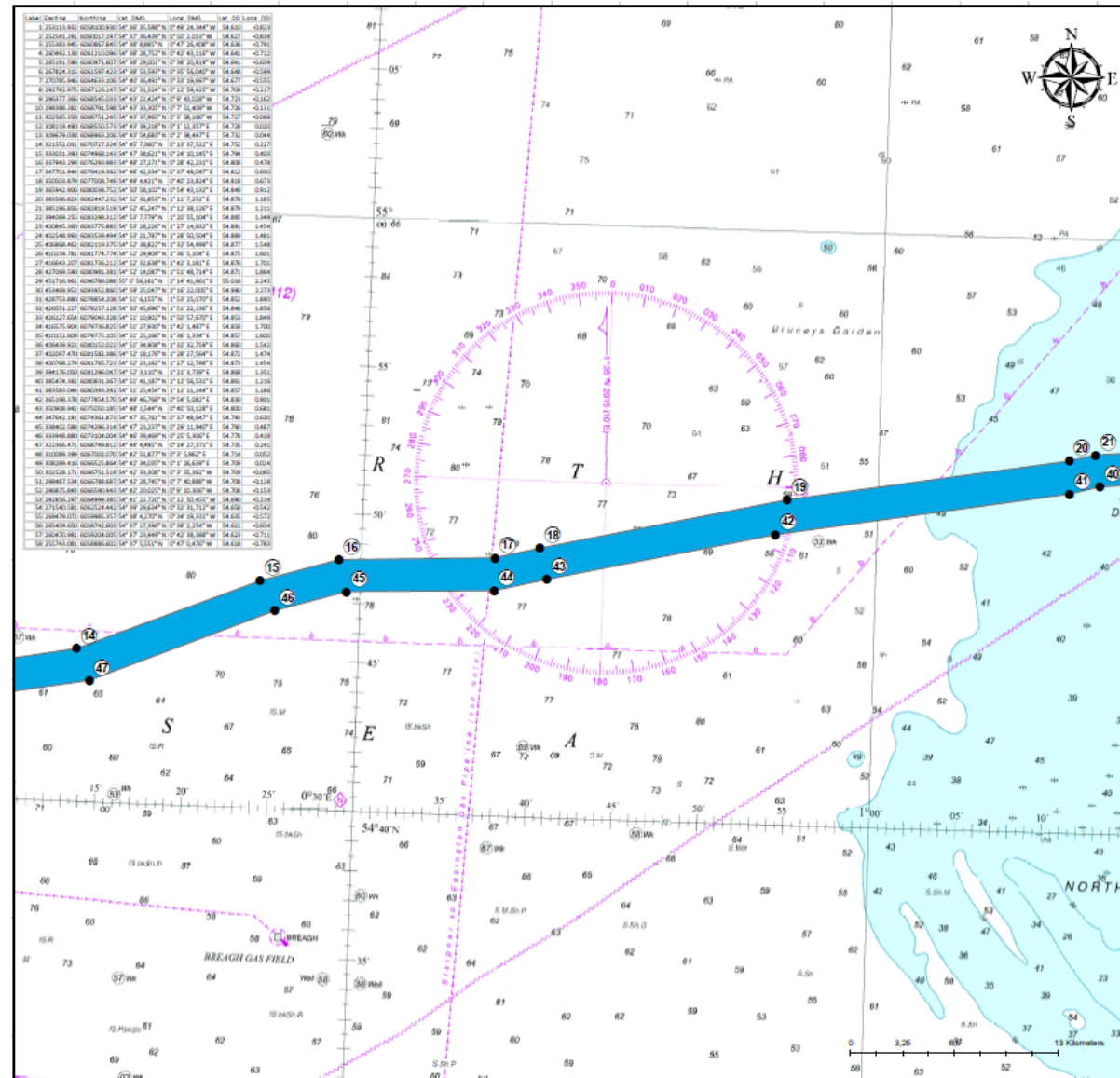


Figure 2.2: Buffer Zone Map

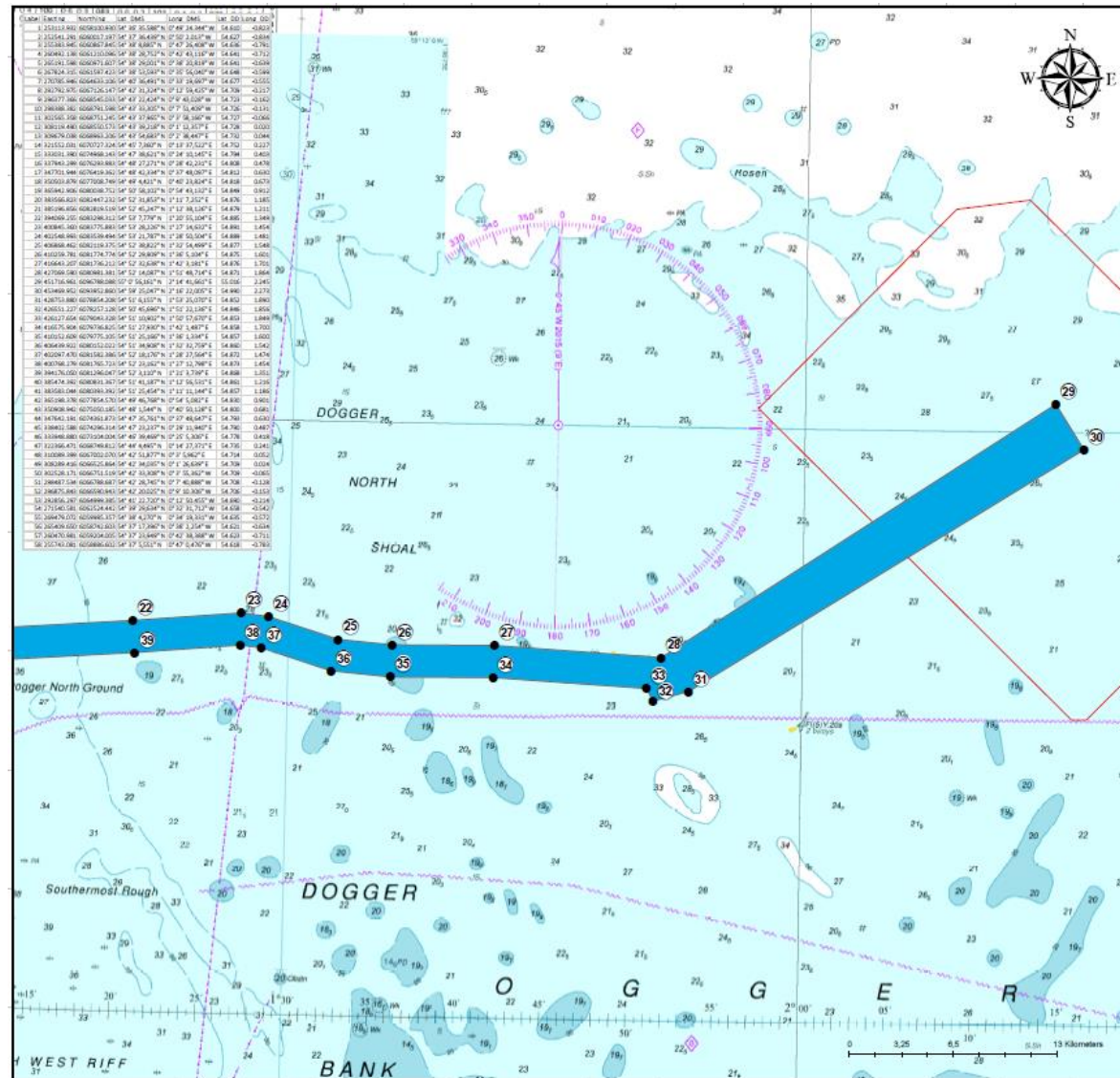


Figure 2.3: Buffer Zone Map

Table 2.1: Survey Area Buffer Zone Coordinates

	Easting	Northing	Lat_DMS	Long_DMS	Lat_DD	Long_DD	Lat_DDM	Long_DDM
1	253113.932	6058100.930	54° 36' 35,588" N	0° 49' 24,344" W	54.609885642	-0.823428787	54° 36.593139' N	000° 49.405727' W
2	252541.291	6060017.197	54° 37' 36,439" N	0° 50' 2,013" W	54.626788485	-0.833892486	54° 37.607309' N	000° 50.033549' W
3	255383.945	6060867.845	54° 38' 8,885" N	0° 47' 26,408" W	54.635801383	-0.790668991	54° 38.148083' N	000° 47.440139' W
4	260492.138	6061210.096	54° 38' 28,752" N	0° 42' 43,116" W	54.641320020	-0.711976709	54° 38.479201' N	000° 42.718603' W
5	265191.598	6060971.607	54° 38' 29,001" N	0° 38' 20,819" W	54.641389201	-0.639116282	54° 38.483352' N	000° 38.346977' W
6	267824.315	6061597.423	54° 38' 53,593" N	0° 35' 56,040" W	54.648220192	-0.598900114	54° 38.893212' N	000° 35.934007' W
7	270785.946	6064633.106	54° 40' 36,491" N	0° 33' 19,697" W	54.676803147	-0.555471291	54° 40.608189' N	000° 33.328277' W
8	292792.975	6067126.147	54° 42' 31,324" N	0° 12' 59,425" W	54.708701199	-0.216506861	54° 42.522072' N	000° 12.990412' W
9	296377.366	6068545.033	54° 43' 22,424" N	0° 9' 43,028" W	54.722895627	-0.161952301	54° 43.373738' N	000° 09.717138' W
10	298388.382	6068791.598	54° 43' 33,305" N	0° 7' 51,409" W	54.725917964	-0.130947019	54° 43.555078' N	000° 07.856821' W
11	302565.358	6068751.245	54° 43' 37,965" N	0° 3' 58,166" W	54.727212373	-0.066157216	54° 43.632742' N	000° 03.969433' W
12	308119.490	6068550.573	54° 43' 39,218" N	0° 1' 12,357" E	54.727560554	0.020099116	54° 43.653633' N	000° 01.205947' E
13	309679.038	6068963.206	54° 43' 54,683" N	0° 2' 38,447" E	54.731856311	0.044013143	54° 43.911379' N	000° 02.640789' E
14	321552.031	6070727.324	54° 45' 7,360" N	0° 13' 37,522" E	54.752044320	0.227089436	54° 45.122659' N	000° 13.625366' E
15	333031.390	6074968.143	54° 47' 38,621" N	0° 24' 10,145" E	54.794061401	0.402818115	54° 47.643684' N	000° 24.169087' E
16	337943.299	6076293.983	54° 48' 27,271" N	0° 28' 42,231" E	54.807575196	0.478397544	54° 48.454512' N	000° 28.703853' E
17	347701.944	6076419.362	54° 48' 42,334" N	0° 37' 48,097" E	54.811759397	0.630027040	54° 48.705564' N	000° 37.801622' E
18	350503.879	6077008.749	54° 49' 4,421" N	0° 40' 23,824" E	54.817894827	0.673284469	54° 49.073690' N	000° 40.397068' E
19	365942.906	6080038.752	54° 50' 58,102" N	0° 54' 43,132" E	54.849472876	0.911981025	54° 50.968373' N	000° 54.718861' E
20	383566.823	6082447.232	54° 52' 31,853" N	1° 11' 7,252" E	54.875514648	1.185347887	54° 52.530879' N	001° 11.120873' E
21	385196.856	6082819.519	54° 52' 45,247" N	1° 12' 38,126" E	54.879235350	1.210590468	54° 52.754121' N	001° 12.635428' E
22	394069.255	6083298.312	54° 53' 7,779" N	1° 20' 55,104" E	54.885494134	1.348639932	54° 53.129648' N	001° 20.918396' E
23	400845.360	6083775.883	54° 53' 28,226" N	1° 27' 14,632" E	54.891173894	1.454064446	54° 53.470434' N	001° 27.243867' E
24	402548.993	6083539.494	54° 53' 21,787" N	1° 28' 50,504" E	54.889385297	1.480695509	54° 53.363118' N	001° 28.841731' E

	Easting	Northing	Lat_DMS	Long_DMS	Lat_DD	Long_DD	Lat_DDM	Long_DDM
25	406868.462	6082119.375	54° 52' 38,822" N	1° 32' 54,499" E	54.877450646	1.548472068	54° 52.647039' N	001° 32.908324' E
26	410259.781	6081774.774	54° 52' 29,909" N	1° 36' 5,104" E	54.874974729	1.601417776	54° 52.498484' N	001° 36.085067' E
27	416643.207	6081736.212	54° 52' 32,638" N	1° 42' 3,181" E	54.875732748	1.700883705	54° 52.543965' N	001° 42.053022' E
28	427069.590	6080981.381	54° 52' 14,087" N	1° 51' 48,714" E	54.870579593	1.863531665	54° 52.234776' N	001° 51.811900' E
29	451716.961	6096788.088	55° 0' 56,161" N	2° 14' 41,661" E	55.015600326	2.244905918	55° 00.936020' N	002° 14.694355' E
30	453469.952	6093952.860	54° 59' 25,047" N	2° 16' 22,005" E	54.990290845	2.272779288	54° 59.417451' N	002° 16.366757' E
31	428753.880	6078854.208	54° 51' 6,155" N	1° 53' 25,070" E	54.851709759	1.890297229	54° 51.102586' N	001° 53.417834' E
32	426551.227	6078257.128	54° 50' 45,696" N	1° 51' 22,136" E	54.846026787	1.856148826	54° 50.761607' N	001° 51.368930' E
33	426127.654	6079043.328	54° 51' 10,902" N	1° 50' 57,670" E	54.853028350	1.849352779	54° 51.181701' N	001° 50.961167' E
34	416575.904	6079736.825	54° 51' 27,930" N	1° 42' 1,487" E	54.857758420	1.700413048	54° 51.465505' N	001° 42.024783' E
35	410152.609	6079775.105	54° 51' 25,166" N	1° 36' 1,334" E	54.856990589	1.600370591	54° 51.419435' N	001° 36.022235' E
36	406439.922	6080152.022	54° 51' 34,908" N	1° 32' 32,759" E	54.859696550	1.542433179	54° 51.581793' N	001° 32.545991' E
37	402097.470	6081582.386	54° 52' 18,176" N	1° 28' 27,564" E	54.871715585	1.474323298	54° 52.302935' N	001° 28.459398' E
38	400768.279	6081765.723	54° 52' 23,162" N	1° 27' 12,798" E	54.873100687	1.453554957	54° 52.386041' N	001° 27.213297' E
39	394176.050	6081296.047	54° 52' 3,110" N	1° 21' 3,739" E	54.867530644	1.351038611	54° 52.051839' N	001° 21.062317' E
40	385474.392	6080831.367	54° 51' 41,187" N	1° 12' 56,531" E	54.861440897	1.215703113	54° 51.686454' N	001° 12.942187' E
41	383583.044	6080393.392	54° 51' 25,454" N	1° 11' 11,144" E	54.857070600	1.186428986	54° 51.424236' N	001° 11.185739' E
42	365198.378	6077854.570	54° 49' 46,768" N	0° 54' 5,082" E	54.829657676	0.901411594	54° 49.779461' N	000° 54.084696' E
43	350908.942	6075050.185	54° 48' 1,544" N	0° 40' 50,128" E	54.800428856	0.680591079	54° 48.025731' N	000° 40.835465' E
44	347642.191	6074361.873	54° 47' 35,761" N	0° 37' 48,647" E	54.793267011	0.630179841	54° 47.596021' N	000° 37.810790' E
45	338402.588	6074296.314	54° 47' 23,237" N	0° 29' 11,940" E	54.789788187	0.486650119	54° 47.387291' N	000° 29.199007' E
46	333948.880	6073104.004	54° 46' 39,469" N	0° 25' 5,306" E	54.777630336	0.418140465	54° 46.657820' N	000° 25.088428' E
47	322366.471	6068749.812	54° 44' 4,495" N	0° 14' 27,371" E	54.734581946	0.240936392	54° 44.074917' N	000° 14.456184' E
48	310089.399	6067002.070	54° 42' 51,877" N	0° 3' 5,962" E	54.714410370	0.051656130	54° 42.864622' N	000° 03.099368' E
49	308289.416	6066525.864	54° 42' 34,035" N	0° 1' 26,639" E	54.709454169	0.024066513	54° 42.567250' N	000° 01.443991' E

	Easting	Northing	Lat_DMS	Long_DMS	Lat_DD	Long_DD	Lat_DDM	Long_DDM
50	302528.171	6066751.519	54° 42' 33,308" N	0° 3' 55,362" W	54.709252304	-0.065378341	54° 42.555138' N	000° 03.922700' W
51	298487.534	6066788.687	54° 42' 28,745" N	0° 7' 40,888" W	54.707984689	-0.128024500	54° 42.479081' N	000° 07.681470' W
52	296875.843	6066590.943	54° 42' 20,025" N	0° 9' 10,306" W	54.705562610	-0.152862664	54° 42.333757' N	000° 09.171760' W
53	292856.297	6064999.385	54° 41' 22,720" N	0° 12' 50,455" W	54.689644425	-0.214015261	54° 41.378665' N	000° 12.840916' W
54	271540.581	6062524.442	54° 39' 29,634" N	0° 32' 31,712" W	54.658231590	-0.542142333	54° 39.493895' N	000° 32.528540' W
55	269479.072	6059985.357	54° 38' 4,270" N	0° 34' 19,331" W	54.634519473	-0.572036261	54° 38.071168' N	000° 34.322176' W
56	265409.650	6058742.603	54° 37' 17,396" N	0° 38' 2,254" W	54.621498927	-0.633959332	54° 37.289936' N	000° 38.037560' W
57	260470.981	6059204.005	54° 37' 23,949" N	0° 42' 38,388" W	54.623319139	-0.710663399	54° 37.399148' N	000° 42.639804' W
58	255743.081	6058886.602	54° 37' 5,551" N	0° 47' 0,476" W	54.618208731	-0.783465629	54° 37.092524' N	000° 47.007938' W

3. Offshore Geophysical Investigation – Export Cable Corridor

The geophysical operations at the SOWF site are expected to be carried out following Mobilisation 5th February 2020, with work beginning 9th February 2019, for approximately two to three weeks. However, the exact start and finish date will be dependent on the prevailing weather conditions and work progress.

As the Fugro Pioneer will be towing survey equipment the vessel will require large turning circles therefore it is requested that all vessels operating within this area keep their distance, maintaining at least the 2,000m exclusion including in the survey area buffer (coordinates above), and pass at minimum speed to reduce vessel wash.

Survey operations will be conducted on a 24 hour basis.

4. Immediate Contacts

The contents of this notice are based upon our current understanding of SOWFL's project requirements 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):

Sally Dalrymple – Project Manager

Tel: +44 (0) 1491 820 657, +44 (0) 7917 058 751 (mob), **Email:** s.dalrymple@fugro.com

Sydney Waters – Assistant Project Manager

Tel: +44 (0) 1491 820 846, **Email:** s.waters@fugro.com

Mark Schreiber – Vessel Manager

Tel: +31 638 332 2210 (mob), **Email:** m.schreiber@fugro.com

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

Nigel Proctor – Fisheries Liaison Officer (FLO)

Tel: +44 (0) 7702 730 891 (mob), **Email:** n.proctor@precisionmarine.co.uk

5. Survey Vessels

Export cable corridor operations will be conducted by the survey vessel Fugro Pioneer. The guard vessel will be the Hartlepool based fishing vessel the Margaret Mary. Client, contractor and fisheries liaison contact details are provided in the Notice to Mariners distribution list in Section 6.

Table 2: Fugro Frontier



	General Information	
	Name	Fugro Pioneer
	Flag	Bahamas
	Call Sign	C6BH3
	Class	GERMANISCHER LLOYD
	Dimensions	
	Length	53.7 m
	Beam	12.5 m
	Draught (loaded)	3.3 m
	Gross Tonnage	1322 t
	Communication	
	Master	+31 10 7130 946 +31 650 455 597
	Party Chief	+31 638 332 253
	Email:	captain@Pio.fugro.com

Table 3: Guard Vessel – Margaret Mary

	General Information	
	Name	Margaret Mary
	Flag	UK
	Call Sign	MGNM6
	Class	Fishing
	Dimensions	
	Length	10 m
	Beam	5.5 m
	Draught (loaded)	3.6m
	Gross Tonnage	17.56t
	Communication	
	Master	+44 (0) 7785 538567
	Vessel Sat Phone	+88 1621 461 360
	Email:	phillip.walsh@ntlworld.com

6. Distribution List

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

6.1 Maritime Notification and Authorities

Table 3: Maritime and Authorities

Organisation	Address	Phone	E-mail	Role
UK Hydrographic Office	Admiralty Way Taunton Somerset TA1 2DN	+44 (0) 1823 337 900	navwarnings@btconnect.com	Radio Navigation Warnings
			sdr@ukho.gov.uk	H-Notes
MOD Portsmouth			desnbcpcob-dqhm@mod.co.uk	UK Ministry of Defence
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
Department for Environment, Food and Rural Affairs (DEFRA)	Nobel House 17 Smith Square London SW1P 3JR	+44 (0) 20 7238 6951		
Marine Management Organisation	Pakefield Rd, Lowestoft NR33 0HT	01502 573149	lowestoft@marinemangement.org.uk	
MCA Navigational Safety Branch	Humber		wm.humber@mcga.gov.uk	
	Thames		wm.thames@mcga.gov.uk	
The Crown Estate	1 St James's Market, London, SW1Y 4AH	+44 (0) 20 7851 5077	Stuart.Curry@thecrownestate.co.uk	Seabed owner

6.2 Fishing Industry

Table 4: 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
Redcar & Tees Bay Fishermen's Association			daviebt@msn.com	David Blount
Whitby Fishermen's Association			lewiscole@aol.com	James Cole (Chairman)

6.3 Port Authorities

Table 5: Port Authorities

Organisation	Address	Phone	E-mail	Role
Hartlepool PD Ports	Hartlepool Dock Cleveland Road Hartlepool TS24 0UZ	+44 (0) 1642 77000	enquiries@pdports.co.uk	
Whitby Harbour	Harbour Office, Endeavour Wharf, Whitby, YO21 1DN	+44 (0) 1947 602354	port.services@scarborough.gov.uk	
Tees Port	Teesport, Grangetown, Middlesbrough TS6 6UD	+44 (0) 1642 877000	enquiries@pdports.co.uk	

6.4 Client Group

Table 6: Client Group

Organisation	Address	Phone	E-mail	Role
Sofia Offshore Wind Farm Limited	Trigonos, Windmill Hill Business Park, Swindon, SN5 6PB	07384 806 514	michael.gould@innogy.com	Client: Mike Gould

6.5 Contractor Group

Table 7: Contractor Group

Organisation	Address	Phone	E-mail	Role
Fugro GB Marine Limited	Fugro House Hithercroft Road Wallingford Oxfordshire OX10 9RB	+44 (0) 1491 820 657 +44 (0) 7917 058 751	s.dalrymple@fugro.com	Project Manager : Sally Dalrymple
Fugro GB Marine Limited	Fugro House Hithercroft Road Wallingford Oxfordshire OX10 9RB	+44 (0) 1491 820 846	s.waters@fugro.com	Assistant Project Manager : Sydney Waters
Fugro Netherlands Marine Limited	Prismastraat 4, 2631 RT Nootdorp The Netherlands	+31 638 33 2210	m.schreiber@fugro.com	Vessel Manager : Mark Schreiber
Precision Marine Survey Limited	Church Farm, Main Road, Thorngumbald, East Yorkshire HU12 9NE	+44 (0) 1964 624 423 +44 (0) 7702 730 891	n.proctor@precisionmarine.co.uk	Fisheries Liaison Officer: Nigel Proctor
Precision Marine Survey Limited	Church Farm, Main Road, Thorngumbald, East Yorkshire HU12 9NE	+44 (0) 1964 624 423 +44 (0) 7507 556 582	d.proctor@precisionmarine.co.uk	Assistant Fisheries Liaison Officer: Daniel Proctor
Guard Vessel	Margaret Mary	+44 (0) 7785 538 567	phillip.walsh@ntlworld.com	Master – Phil Walsh

