



NOTICE TO MARINERS HORNSEA PROJECT ONE OFFSHORE WIND FARM PLANNED GEOTECHNICAL AND GEOPHYSICAL INVESTIGATIONS

Hornsea Project One – Notice to Mariners August 2015. Issued 14/08/2015

1. INTRODUCTION

Mariners are advised that Hornsea Project One will be carrying out geotechnical and geophysical investigations in late August/early September for the proposed Hornsea Project One Offshore Wind Farm located within the UK Sector of the North Sea off the coast of East Yorkshire as shown on the attached charts.

The planned geotechnical investigations will include borehole locations with combined sampling & CPT testing up to 6m below the seabed level within the Proposed Site Boundary shown on next pages (wind farm and cable corridor).

The planned geophysical investigations will be deploying an array of towed equipment including, sub-bottom profiler, multi-beam echosounder and potentially also side scan sonar and magnetometers.

2. AREA OF OPERATIONS

Activities will centre on the Hornsea Project One wind farm site area and export cable corridor. The following points define the extent of the project area in which geotechnical and geophysical investigations will be conducted.

WGS84 UTM31N (Deg, Min, Secs)					
ID	Longitude	Latitude	ID	Longitude	Latitude
1	1° 29' 23.488" E	53° 44' 55.740" N	30	0° 35' 46.567" E	53° 31' 17.037" N
2	1° 24' 14.197" E	53° 44' 20.019" N	31	0° 39' 33.582" E	53° 32' 4.014" N
3	1° 16' 6.497" E	53° 42' 34.384" N	32	0° 41' 44.691" E	53° 34' 30.533" N
4	1° 14' 39.451" E	53° 42' 30.255" N	33	0° 43' 12.180" E	53° 35' 54.492" N
5	1° 7' 0.558" E	53° 39' 48.158" N	34	0° 49' 44.909" E	53° 37' 20.438" N
6	1° 2' 4.483" E	53° 38' 16.351" N	35	0° 51' 53.713" E	53° 37' 11.393" N
7	0° 58' 49.216" E	53° 37' 49.008" N	36	0° 53' 37.092" E	53° 37' 34.586" N
8	0° 51' 55.710" E	53° 36' 58.086" N	37	0° 57' 45.435" E	53° 38' 0.960" N
9	0° 43' 21.837" E	53° 35' 38.674" N	38	1° 2' 31.121" E	53° 38' 39.809" N
10	0° 40' 6.748" E	53° 31' 55.815" N	39	1° 14' 29.442" E	53° 42' 42.146" N
11	0° 39' 17.168" E	53° 31' 37.199" N	40	1° 15' 59.506" E	53° 42' 47.686" N
12	0° 32' 34.194" E	53° 30' 30.318" N	41	1° 24' 57.034" E	53° 44' 52.057" N
13	0° 20' 23.198" E	53° 28' 44.272" N	42	1° 32' 38.044" E	53° 45' 43.325" N
14	0° 19' 56.377" E	53° 28' 44.025" N	43	1° 38' 7.464" E	53° 46' 28.709" N
15	0° 16' 34.682" E	53° 30' 1.875" N	44	1° 39' 52.024" E	53° 55' 9.293" N

Prepared Marc Browne (MBROW), 13 August 2015
 Accepted Ninna Fevre Bertelsen (NINBE), 13 August 2015
 Approved Declan Fives (DECFL), 14 August 2015

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ID	Longitude	Latitude	ID	Longitude	Latitude
16	0° 11' 59.894" E	53° 31' 46.644" N	45	1° 41' 0.143" E	53° 56' 3.228" N
17	0° 6' 7.827" E	53° 30' 59.165" N	46	1° 41' 46.795" E	53° 58' 17.828" N
18	0° 4' 47.820" E	53° 30' 9.964" N	47	1° 44' 31.880" E	53° 58' 42.179" N
19	0° 4' 31.441" E	53° 30' 0.443" N	48	1° 47' 47.796" E	53° 55' 46.445" N
20	0° 4' 21.718" E	53° 30' 4.796" N	49	1° 51' 57.409" E	53° 56' 22.870" N
21	0° 4' 35.283" E	53° 30' 17.065" N	50	1° 52' 35.520" E	53° 55' 48.329" N
22	0° 5' 52.863" E	53° 31' 14.830" N	51	2° 6' 6.700" E	53° 57' 24.509" N
23	0° 8' 6.797" E	53° 31' 38.692" N	52	2° 13' 57.158" E	53° 50' 10.018" N
24	0° 11' 57.502" E	53° 32' 2.683" N	53	2° 10' 40.243" E	53° 48' 24.484" N
25	0° 14' 35.302" E	53° 31' 19.078" N	54	2° 7' 38.708" E	53° 48' 17.722" N
26	0° 17' 11.311" E	53° 30' 4.117" N	55	1° 58' 7.746" E	53° 48' 50.190" N
27	0° 20' 0.589" E	53° 28' 56.905" N	56	1° 53' 4.079" E	53° 48' 10.817" N
28	0° 23' 54.923" E	53° 29' 34.679" N	57	1° 39' 14.616" E	53° 46' 19.820" N
29	0° 28' 56.908" E	53° 30' 11.896" N	58	1° 29' 23.488" E	53° 44' 55.740" N

The geotechnical vessel will be deployed to geotechnical borehole locations within the main array area and export cable corridor at times and positions determined by client requirements, weather and sea conditions. The geophysical vessel will be towing equipment within the main array area and export cable corridor at times and positions determined by client requirements, weather and sea conditions.

3. SURVEY

3.1 Geotechnical Investigations

Please be advised that Project One are giving notice of planned geotechnical investigations within the boundaries of Project One.

The geotechnical operations will commence on the 25th August and run for approximately 4 weeks. The exact finish date is dependent on the prevailing weather conditions, vessel downtime and work progress, but the forecasted completion date as of the publication date of this notice is the end of September/early October.

The geotechnical vessels will be deploying seabed drilling and testing equipment. This will require them to be in DP and remain stationary for periods of approximately 2 hours at a time and will restrict their ability to manoeuvre. It will be requested that all vessels operating within the area keep a safe distance (500m) and pass at minimum speed to reduce vessel wash.

Geotechnical operations will be conducted on a 24 hour basis. Throughout survey operations the vessel will be displaying the shapes and lights prescribed in the International Rules for the Prevention of Collisions at Sea (COLREGS) Rule 27, to indicate that the survey vessel is restricted in its ability to manoeuvre.

3.2 Geophysical Investigations

Please be advised that Project One are giving notice of planned geophysical investigations within the boundaries of Project One.

The geophysical vessels will be deploying an array of towed equipment including, sub-bottom profiler, multi-beam echosounder and potentially also side scan sonar and magnetometers.

The geophysical operations will commence on the 25th August and run for approximately 2 weeks. The exact finish date is dependent on the prevailing weather conditions, vessel downtime and work progress, but the forecasted completion date as of the publication date of this notice is mid-September.

The geophysical operations will require the towing of equipment and the vessel will have restricted ability to manoeuvre. It will be requested that all vessels operating within the area keep their distance (1000m) and pass at minimum speed to reduce vessel wash.

3.3 Safety

Furthermore, it is requested that anybody having knowledge of any potential objects submerged or moored on the seabed, within the survey area, that could be damaged or form a hazard to the survey vessel and its equipment advises the Project of their position and nature. When surveys commence a listening watch will be maintained on VHF Channel 12 and 16 when within the appropriate port authority area, and will actively transmit an AIS signal. The survey vessels will also broadcast at regular daily intervals, vessel position, operational information and intentions.

4. IMMEDIATE CONTACTS

The contents of this notice are based upon our current understanding of Project One requirements. A further notice will be issued once survey operations are completed.

Enquiries regarding the contents of this Notice to Mariners or any other matters should be directed to:

Geotechnical Investigations - Fugro		
Project Manager	Tom Jermy	
Tel: +44 (0) 1493 414 414	Mob: +44 (0) 7584 230 182	E-mail: t.jermy@fugro.com
Project Manager	Andy Fleetwood	
Tel: +44 (0) 1491 820 657	Mob: +44 (0) 7917 058 751	E-mail: a.fleetwood@fugro.com
Vessel Manager	Tom Clarke	
	Mob: +44 (0) 7818 594 285	E-mail: t.clarke@fugro.com
Geophysical Investigations - Gardline		
Project Manager	Tom Shiner	
Tel: +44 (0) 1493 845600	Mob: +44 (0) 7926 361094	E-mail: tom.shiner@gardline.co.uk
Vessel Manager	Brian Lewis	
Tel: +44 (0) 1493 845600	Mob: +44 (0) 7917477644	E-mail: brian.lewis@gardline.co.uk

5. FISHERIES LIAISON

Project One Onshore Fisheries Liaison is provide for by Nick Garside and can be contacted on:

Mob: +44 (0) 7538 827 013 Email: nick.garside@live.co.uk

5.1 Offshore Fisheries Liaison

For both geotechnical and geophysical operations, offshore Fisheries Liaison Officers will be on-board and shall be present on the vessel at all times during the works, contactable on VHF channel 16.

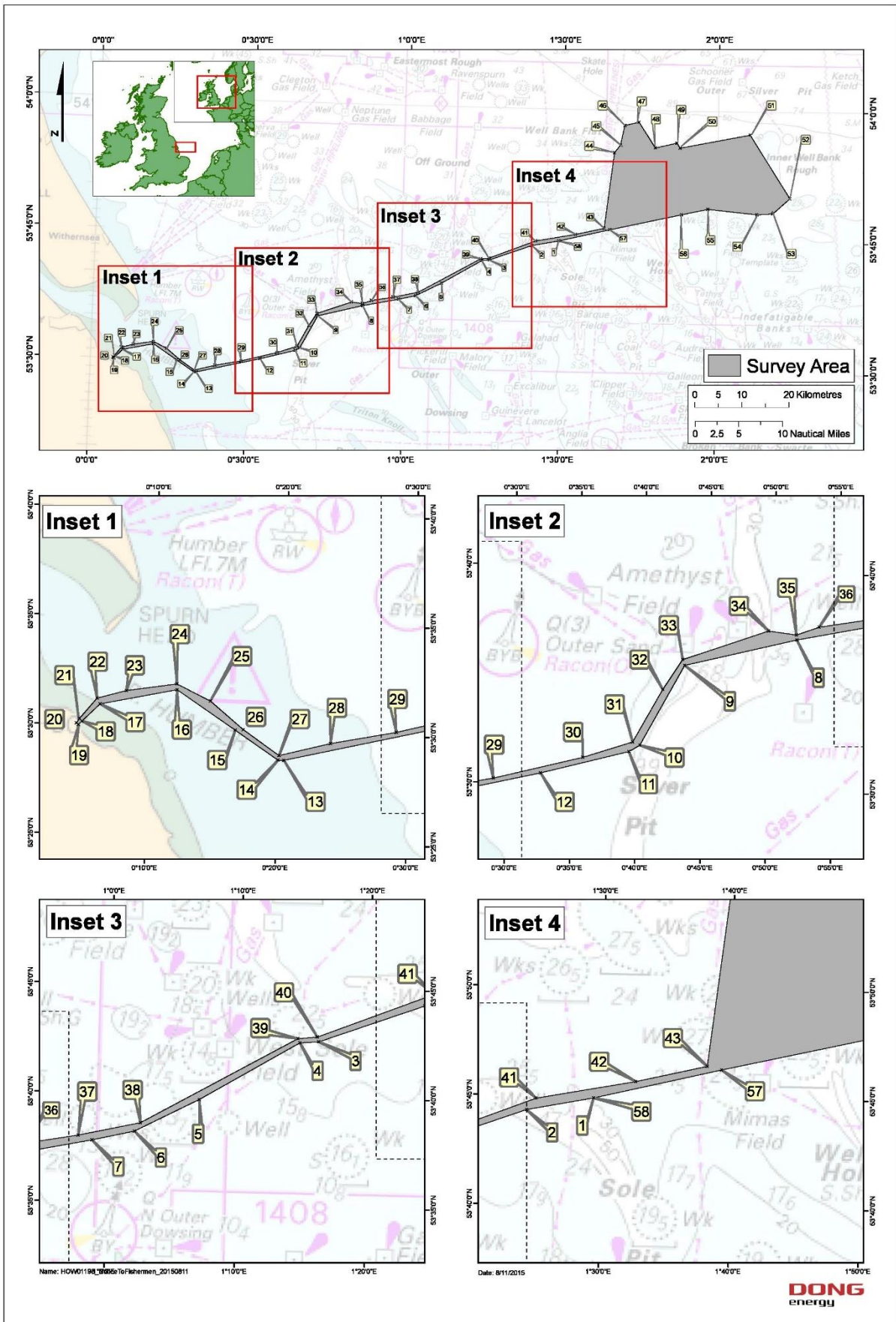
5.2 Project Specific Contacts

Offshore Environment Manager – Marc Browne
Mob: +44 (0) 7881 940 379 Email: MBROW@dongenergy.co.uk

In the event the FLO and or the Environment Manager is not contactable please direct fisheries enquiries related to the survey works to the DONG Site Investigation Manager:

Site Investigation Manager – Willem Knoops
Mob: +44 (0) 7500 953 231 E-mail: WILKN@dongenergy.co.uk

6. SURVEY AREA



7. SURVEY VESSELS

Geotechnical Operations

Survey operations will be conducted by the survey vessel **MV Markab** whose details are provide below. Contact can be made directly with the vessel using the contact details listed below. Client and contractor contact details are provided in the Notice to Mariners distribution list in Section 4.

Vessel Contact Details (MV Markab)	
Bridge	+49 421 944024-3061
Inmarsat Bridge	+881677704652
V-Sat Bridge	+49 421 944024-3061
Party Chief	+49 421 944024-3063
Email	mv-markab@fleet.hempel-shipping.de

General Information (MV Markab)	
Name	MV MARKAB
Flag	Panama
IMO Number	7424724
Call Sign	HO2743
Class	RINA 93847



Dimensions	
Length	65,24 m
Beam	13,00 m
Draught	4,3 m (max.)
Gross Tonnage	1594
Communication	
Inmarsat	Inmarsat C, Iridium
Radio Comms	2 x VHF installed 6 x VHF mobile

Geophysical Operations

Survey operations will be conducted by the survey vessel **MV Vigilant** whose details are provide below. Contact can be made directly with the vessel using the contact details listed below. Client and contractor contact details are provided in the Notice to Mariners distribution list in Section 4.

Vessel Contact Details MV Vigilant	
Bridge	00 1904 900 6611
Immarsat Bridge	+870 7739 90843
V-Sat Bridge	00 1904 240 3081
Party Chief	07884 318918 00 1904 900 6611
Email	Captain.vigilant@tranship.amosconnect.com (Primary) partychief@vigilant.gardline.co.uk (Secondary)

General Information MV Vigilant	
Name	MV Vigilant
Flag	Dutch
IMO Number	8027406
Call Sign	PBNX
Class	Lloyds register



Dimensions	
Length	71.4 metres
Beam	11.6 metres
Draught	5.3 metres
Gross Tonnage	1365
Communication	
Inmarsat	+870 7739 90843
Radio Comms	Full GMDSS

8. DISTRIBUTION LIST

A Notice to Fishermen has previously been distributed to the fishing industry via the Fisheries Liaison Officer in July 2015. This NTM will also be distributed to the relevant local MMO offices, local IFCA's NFFO, Rederscentrale, HFIG, Danish Fishermen's Association, EEFPO and VisNed.

ABP Ports	bguyton@abports.co.uk ;
ABP Ports	Spikings@abports.co.uk ;
CEFAS	jon.rees@cefass.co.uk ;
Conoco Phillips	Susan.Mpaulo@conocophillips.com ;
DECC	correspondence@decc.gsi.gov.uk ;
DEFRA (Eastern Fisheries Inspectorate Lowestoft)	lowestoft@mfa.gsi.gov.uk ;
DFDS	roy.kersey@dfds.com ; richard.berglarsen@dfds.com ;
Eastern IFCA	mail@eastern-ifca.qcsx.gov.uk ;
East Port UK	harbouroffice@eastportuk.co.uk ;
East Riding Council	david.mccandless@eastriding.gov.uk ;
E-ON	mark.stockwell@eon.com ;
Fugro	t.jermy@fugro.com ;
Gardline	tom.shiner@gardline.co.uk ;
HOW01 - Fisheries Liaison Officer (Onshore)	Nick Garside' < nick.garside@live.co.uk >;
Kingfisher Information Services	kingfisher@seafish.co.uk ;
Kings Lynn Port Authority	harbourmaster@portauthoritykingslynn.fsnet.co.uk ;
Lowestoft Harbour Master	Rmusgrove@abports.co.uk ;
MCA	paul.townsend@mcga.gov.uk ;
MCA (Navigation Safety)	navigationsafety@mcga.gov.uk ;
MCA Offshore Renewable Energy Advisor	nick.salter@mcga.gov.uk ;
MCA Yarmouth	yarmouthcoastguard@mcga.gov.uk ; Wm.yarmouth@mcga.gov.uk ;
MCA (Humber Maritime Rescue Sub-Centre)	wm.humber@mcga.gov.uk ;
Mainstream	Sara.Thomas@mainstreamrp.com ;
Marine Management Organisation	margaret.tierney@marinemanagement.org.uk ;
Marine Management Organisation	marine.consents@marinemanagement.org.uk ;
Marine Management Organisation (Grimsby)	grimsby@marinemanagement.org.uk ;
Marine Management Organisation (Harwich)	harwich@marinemanagement.org.uk ;
Marine Management Organisation (North Shields)	northshields@marinemanagement.org.uk ;
National Federation of Fishermen's Organisations	nffo@nffo.org.uk ;
North Eastern IFCA	ne-ifca@eastriding.gov.uk ;
North IFCA	nifca@nifca.gov.uk ;
Perenco	asanders@uk.perenco.com ;
Port of Boston	walker@portofboston.co.uk ;
P&O Ferries	grant.laversuch@poferies.com ;
RNLI (Flamborough Lifeboat)	flamborough@rnli.org.uk ;
RNLI (Skegness Lifeboat Station)	Skegness@rnli.org.uk ;
RNLI (Scarborough Lifeboat)	scarborough@rnli.org.uk ;
RNLI (Spurn Head)	humber@rnli.org.uk ;
RNLI (Whitby Lifeboat)	whitby@rnli.org.uk ; coxswain@wellslifeboat.org ;
Shell	UKDCC-Supervisor@shell.com ; sandy.smith@shell.com ; Paul.Young@shell.com ;
The Crown Estate	consents@thecrownestate.co.uk ;
Trinity House Navigation	Directorate@ths.org ;
Trinity House Navigation	Navigation.directorate@ths.org ;
Tullow Oil	Andy.Edgar@tulloil.com ;
UKHO (HDC Files)	hdcfiles@ukho.gov.uk ;
UKHO (NTMs)	noticetomariners@ukho.gov.uk ;
UKHO (Navigational Warnings)	Navwarnings@btconnect.com ;
Wells Harbour	harbouroffice@wellsharbour.co.uk ;