



NOTICE TO MARINERS - HORNSEA TWO PLANNED GEOPHYSICAL & GEOTECHNICAL INVESTIGATIONS

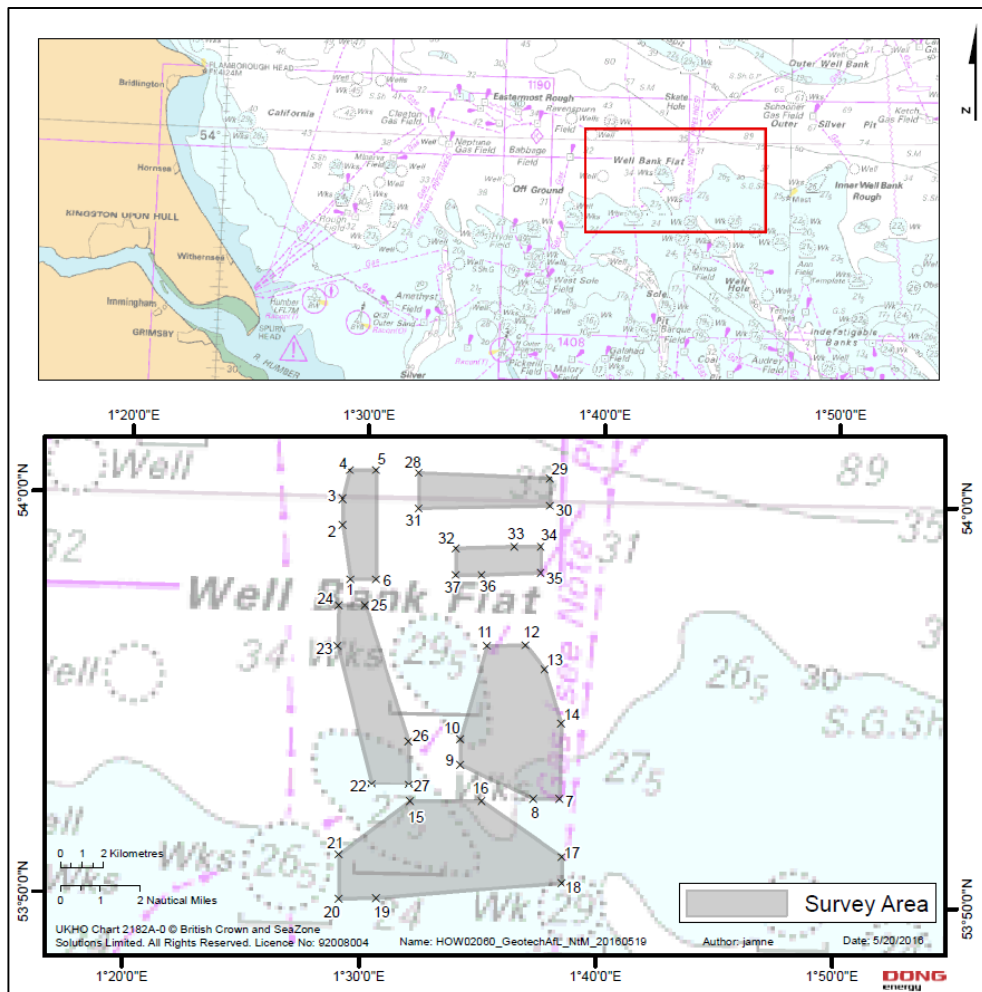
Hornsea Project Two – Notice to Mariners May 2016. Issued 20/05/2015 – Update 3

1. INTRODUCTION

Mariners are advised that Hornsea Project Two will be carrying out geophysical & geotechnical investigations within the area of operations as illustrated below. The areas are located within the UK Sector of the North Sea off the coast of East Yorkshire as shown on the attached charts.

2. AREA OF OPERATIONS

Activities will centre on Hornsea Project Two wind farm. The following points define the extent of the survey area in which the investigations will be conducted.



Prepared Marc Browne (MBROW), 17 May 2016
Accepted Paul Gibbs (PAUGI), 20 May 2016
Approved Alex Smith (ALESM), 20 May 2016

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HOW02 Windfarm Geophysical & Geotechnical Survey Area – 25 th May– 17 th August					
Point ID	WGS84 (Deg, Min, Seconds)		Point ID	WGS84 (Deg, Min, Seconds)	
	Latitude	Longitude		Latitude	Longitude
1	53° 57' 58.610" N	1° 29' 18.826" E	21	53° 51' 5.639" N	1° 29' 5.389" E
2	53° 59' 19.340" N	1° 28' 57.515" E	22	53° 52' 52.327" N	1° 30' 24.627" E
3	53° 59' 58.154" N	1° 28' 56.104" E	23	53° 56' 18.379" N	1° 28' 51.645" E
4	54° 0' 40.619" N	1° 29' 12.563" E	24	53° 57' 19.578" N	1° 28' 51.864" E
5	54° 0' 41.444" N	1° 30' 18.462" E	25	53° 57' 20.405" N	1° 29' 57.675" E
6	53° 57' 59.434" N	1° 30' 24.655" E	26	53° 53' 57.731" N	1° 31' 55.315" E
7	53° 52' 34.947" N	1° 38' 21.719" E	27	53° 52' 52.753" N	1° 31' 58.465" E
8	53° 52' 34.197" N	1° 37' 16.028" E	28	54° 0' 38.532" N	1° 32' 8.079" E
9	53° 53' 23.925" N	1° 34' 8.934" E	29	54° 0' 33.621" N	1° 37' 43.105" E
10	53° 54' 2.741" N	1° 34' 7.608" E	30	53° 59' 54.804" N	1° 37' 44.381" E
11	53° 56' 22.570" N	1° 35' 11.444" E	31	53° 59' 46.848" N	1° 32' 9.475" E
12	53° 56' 24.297" N	1° 36' 48.444" E	32	53° 58' 47.593" N	1° 33' 46.430" E
13	53° 55' 48.861" N	1° 37' 38.831" E	33	53° 58' 52.312" N	1° 36' 15.845" E
14	53° 54' 28.566" N	1° 38' 22.500" E	34	53° 58' 53.072" N	1° 37' 21.700" E
15	53° 52' 27.020" N	1° 32' 3.463" E	35	53° 58' 14.255" N	1° 37' 22.981" E
16	53° 52' 29.246" N	1° 35' 4.852" E	36	53° 58' 9.559" N	1° 34' 53.601" E
17	53° 51' 8.258" N	1° 38' 29.814" E	37	53° 58' 8.777" N	1° 33' 47.766" E
18	53° 50' 29.440" N	1° 38' 31.071" E			
19	53° 50' 0.525" N	1° 30' 41.181" E			
20	53° 49' 58.675" N	1° 29' 7.460" E			

3. SURVEY

3.1 Geophysical Investigations

Please be advised that Hornsea Project Two will be carrying out geophysical investigations with the **MV Helmert** on behalf of DONG Energy.

The geophysical operations will commence on the **25th May** 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 **01st July**.

The planned geophysical investigations will include utilising an array of hull mounted and towed equipment including sub-bottom profiler, multi-beam echosounder & magnetometer.

3.2 Geotechnical Investigations

Please be advised that Project Two are giving notice of planned geotechnical investigations within the survey boundaries previously described.

The geotechnical operations will commence on the **15th June** and run for approximately **8 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 **mid of August**.

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 up to 18hours 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.

4. SAFETY

All static fishing gear is requested to be moved out with the boundary as illustrated on the attached charts noting the timescales for clearance. 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 Projects Fishing Industry Liaison 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.

5. IMMEDIATE CONTACTS

The contents of this notice are based upon our current understanding of Project Two requirements. A further update notice will be issued as the works progress.

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

Geophysical Investigations – MV Helmer (Fugro)		
Project Manager	Bastian Wichand	
Tel:	Mob: +49 172 43 39 093	E-mail: b.wichand@fugro.com

Geotechnical Investigations – Horizon Geoscience		
Project Manager	John Cudden	
Tel: +44 (0) 117 329 1080	Mob: +44 (0) 7825 885 334	E-mail: j.cudden@horizon-geosciences.com
Operations Manager	Steve Horsewell	
Tel: +44 (0) 117 329 1080	Mob: +44 (0) 7717 017 086	E-mail: s.horsewell@horizon-geosciences.com
Vessel Manager	Asif Waraich	
Tel: +971 564016538	Mob: +971 6 552 9901	E-mail: a.waraich@southeastmarine.ae

6. FISHERIES LIAISON

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

Mob: +44 (0) 7538 827 013 Email: nick.garside@live.co.uk
 Mob: +44 (0) 7702710178 Email: courtney@brownmay.com

6.1 Offshore Fisheries Liaison

For 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.

6.2 Project Specific Contacts

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

Site Investigation Manager Roland Gotfredsen

Tel: +45 99 55 63 91 E-mail: ROLGO@dongenergy.dk

7. SURVEY VESSELS

Survey operations will be conducted by the survey vessel **MV HELMERT** and **MV GEOBAY HORIZON** – whose details are provided below. Contact can be made directly with the vessels using the contact details listed below. Client and contractor contact details are provided in Section 5 of this NTM.

Vessel Contact Details (MV HELMERT)	
Bridge	+49 172 98 09 888
Inmarsat Bridge	+881 623 427 439
V-Sat Bridge	001 90 49 006 625
Party Chief	Partychief.fugrohelmert@fugro.com
Email	Bridge.fugrohelmert@fugro.com

General Information (MV HELMERT)	
Name	MV HELMERT
Flag	Gibraltar
Year Built	2013
IMO Number	9662978
Call Sign	ZDNM8
Class	DNV GL + 100 A5 E IW Research Vessel



Dimensions	
Length	41.53m
Beam	10.00m
Draught	2.8m
Gross Tonnage	496t
Communication	
Inmarsat	+881 623 427 439

Vessel Contact Details (MV GEOBAY HORIZON)	
Bridge	+852 3152 1339
Inmarsat Bridge	+852 3152 1336
V-Sat Bridge	+870 7732 36478
Party Chief	+852 3152 1337
Email	opm.geobay@horizon-geosciences.com

General Information (MV GEOBAY HORIZON)	
Name	M/V GEOBAY HORIZON
Flag	Panama
Year Built	1978
IMO Number	7801556
Call Sign	3ETG2
Class	ABS A1, HELIDK, AMS, ACCU, DPS-2



Dimensions	
Length	79.06 m
Beam	15.60 m
Draught	7.50 m
Gross Tonnage	3502 tonnes

8. DISTRIBUTION LIST

This NTM will also be distributed to the relevant local MMO offices, local IFCA's NFFO, Rederscentrale, HFIG, Danish Fishermen's Association, EEFP0 and VisNed.

ABP Ports	cjefferson@abports.co.uk ;
ABP Ports	afirman@abports.co.uk ;
BP	lynda.harpley@uk.bp.com ;
BP	fiona.williamson@uk.bp.com ;
CEFAS	jon.rees@cefass.co.uk ;
Centrica	Jurgen.joosten@centrica.com ;
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 ;
DFDS	richard.berglarsen@dfds.com ;
Eastern IFCA	mail@eastern-ifca.gcsx.gov.uk ;
East Port Uk	harbouoffice@eastportuk.co.uk ;
East Riding Council	david.mccandless@eastriding.gov.uk ;
HOW01 - Fisheries Liaison Officer (Onshore)	nick.garside@live.co.uk ;
HOW02	SATHO@dongenergy.co.uk ;
HOW03	JULCA@dongenergy.co.uk
Ineos	Rachael.o'sullivan@ineos.com ; stephen.smith@ineos.com ;
Kingfisher Information Services	kingfisher@seafish.co.uk ;
Kings Lynn Port Authority	harbourmaster@portauthoritykingslynn.fsnet.co.uk ;
Lowestoft Port Authority	GHorton@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	Wm.yarmouth@mcga.gov.uk ;
MCA (Humber Maritime Rescue Sub-Centre)	wm.humber@mcga.gov.uk ;
Marine Management Organisation	Lisa.Southwood@marinemangement.org.uk ;
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Marine Management Organisation (Harwich)	harwich@marinemangement.org.uk ;
Marine Management Organisation (North Shields)	northshields@marinemangement.org.uk ;
National Federation of Fishermen's Organisations	nffo@nffo.org.uk ;
National Grid	Daniel.James@nationalgrid.com ;
North Eastern IFCA	ne-ifca@eastriding.gov.uk ;
North IFCA	nifca@nifca.gov.uk ;
Perenco	asanders@uk.perenco.com ;
Port of Boston	rwalker@portofboston.co.uk ;
P&O Ferries	grant.laversuch@poferries.com ;
Premier Oil	mstockwell@premier-oil.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 ;
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UKHO (Navigational Warnings)	Navwarnings@btconnect.com ;
Wells Harbour	harbouoffice@wellsharbour.co.uk ;