



NOTICE TO MARINERS - HORNSEA ONE ONGOING GEOPHYSICAL INVESTIGATIONS

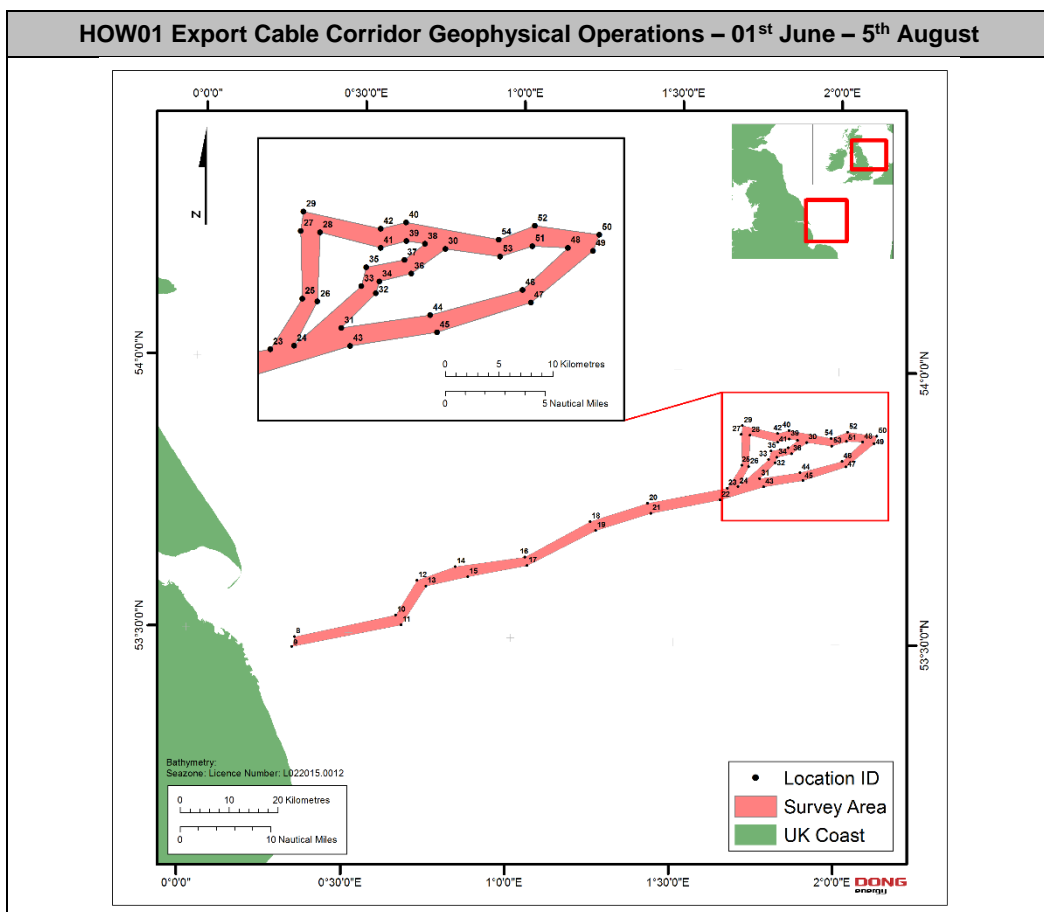
Hornsea Project One – Notice to Mariners July 2016. Issued 14/07/2015 – Update 3

1. INTRODUCTION

Mariners are advised that Hornsea Project One are continuing its geophysical 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

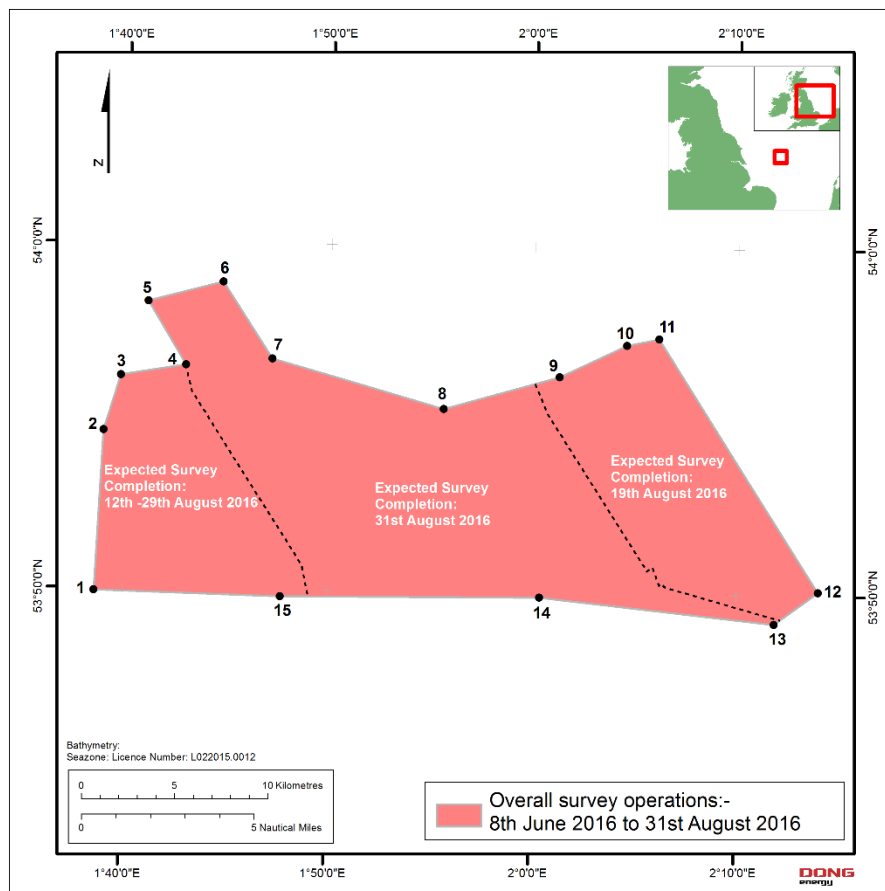
Activities will centre on Hornsea Project One export cable corridor and wind farm. The following points define the extent of the survey area in which the investigations will be conducted.



Prepared Marc Browne (MBROW), 27 June 2016
Accepted Ninna Fevre Bertelsen (NINBE), 13 July 2016
Approved Willem Knoops (WILKN), 13 July 2016

Doc. no. 2477675
Case no. 200-12-0456

HOW01 Export Cable Corridor Geophysical Operations – 01 st June – 5 th August					
Point ID	Latitude	Longitude	Point ID	Latitude	Longitude
1	53° 29' 56.979" N	0° 3' 41.429" E	28	53° 52' 57.315" N	1° 43' 37.823" E
2	53° 29' 40.647" N	0° 4' 45.060" E	29	53° 53' 58.677" N	1° 42' 11.103" E
3	53° 31' 39.004" N	0° 5' 34.261" E	30	53° 52' 13.946" N	1° 54' 16.941" E
4	53° 30' 41.548" N	0° 6' 21.675" E	31	53° 48' 10.999" N	1° 45' 35.092" E
5	53° 31' 27.104" N	0° 12' 3.517" E	32	53° 49' 57.013" N	1° 48' 25.647" E
6	53° 32' 27.041" N	0° 12' 15.188" E	33	53° 50' 17.769" N	1° 47' 11.781" E
7	53° 31' 32.461" N	0° 14' 52.192" E	34	53° 50' 32.579" N	1° 48' 43.544" E
8	53° 29' 21.976" N	0° 20' 10.451" E	35	53° 51' 15.110" N	1° 47' 35.638" E
9	53° 28' 16.289" N	0° 19' 43.702" E	36	53° 50' 57.772" N	1° 51' 25.805" E
10	53° 32' 7.684" N	0° 38' 41.940" E	37	53° 51' 38.693" N	1° 50' 49.234" E
11	53° 31' 4.218" N	0° 39' 46.772" E	38	53° 52' 28.300" N	1° 52' 32.514" E
12	53° 36' 2.961" N	0° 42' 25.372" E	39	53° 52' 35.463" N	1° 50' 57.708" E
13	53° 35' 27.046" N	0° 44' 7.885" E	40	53° 53' 31.337" N	1° 50' 55.123" E
14	53° 37' 41.357" N	0° 49' 24.678" E	41	53° 52' 13.436" N	1° 48' 47.082" E
15	53° 36' 36.109" N	0° 51' 48.648" E	42	53° 53' 10.999" N	1° 48' 46.299" E
16	53° 38' 57.526" N	1° 2' 17.524" E	43	53° 47' 17.611" N	1° 46' 21.046" E
17	53° 38' 1.918" N	1° 2' 43.949" E	44	53° 48' 54.049" N	1° 53' 3.858" E
18	53° 43' 3.926" N	1° 14' 14.829" E	45	53° 48' 2.485" N	1° 53' 39.835" E
19	53° 42' 4.729" N	1° 15' 17.368" E	46	53° 50' 13.563" N	2° 0' 52.031" E
20	53° 45' 12.290" N	1° 24' 48.426" E	47	53° 49' 36.161" N	2° 1' 36.239" E
21	53° 44' 6.028" N	1° 25' 28.180" E	48	53° 52' 22.402" N	2° 4' 39.767" E
22	53° 45' 44.436" N	1° 38' 16.909" E	49	53° 52' 13.732" N	2° 6' 47.089" E
23	53° 47' 2.962" N	1° 39' 35.324" E	50	53° 53' 2.448" N	2° 7' 18.532" E
24	53° 47' 15.046" N	1° 41' 36.028" E	51	53° 52' 25.719" N	2° 1' 38.345" E
25	53° 49' 37.071" N	1° 42' 13.192" E	52	53° 53' 27.147" N	2° 1' 50.166" E
26	53° 49' 29.276" N	1° 43' 30.570" E	53	53° 51' 53.206" N	1° 58' 55.378" E
27	53° 53' 0.843" N	1° 41' 59.343" E	54	53° 52' 44.017" N	1° 58' 47.567" E



HOW01 Offshore Wind Farm Geophysical Operations – 8 th June – 31 st August					
Point ID	Latitude	Longitude	Point ID	Latitude	Longitude
1	N53° 49' 55.388"	E1° 38' 35.482"	8	N53° 55' 18.803"	E1° 55' 35.292"
2	N53° 54' 33.683"	E1° 38' 56.729"	9	N53° 56' 16.303"	E2° 01' 15.269"
3	N53° 56' 09.463"	E1° 39' 44.608"	10	N53° 57' 12.481"	E2° 04' 32.376"
4	N53° 56' 28.670"	E1° 42' 55.549"	11	N53° 57' 24.509"	E2° 06' 06.700"
5	N53° 58' 18.742"	E1° 41' 01.794"	12	N53° 50' 07.189"	E2° 14' 01.180"
6	N53° 58' 53.627"	E1° 44' 41.485"	13	N53° 49' 11.580"	E2° 11' 52.569"
7	N53° 56' 41.596"	E1° 47' 09.513"	14	N53° 49' 53.589"	E2° 00' 22.874"
			15	N53° 49' 49.245"	E1° 47' 42.772"

3. SURVEY

3.1 Geophysical Investigations

Export Cable Corridor/Interlink (Windfarm): Please be advised that Hornsea Project One will be continuing geophysical investigations with the **MV ATHENA and MV TETHRA** on behalf of DONG Energy. The geophysical operations commenced on the **01st June** and the forecasted completion date is on **5th August**.

Wind Farm: Please be advised that Hornsea Project One will be continuing geophysical investigations with the **MV VICTOR HENSEN, MV HELMERT, MV TETHRA and MV Frontier** on behalf of DONG Energy.

- **Wind Farm West/Centre:** the **MV VICTOR HENSEN** forecasted date for survey completion is on **29th August**.
- **Wind Farm East:** the **MV HELMERT** forecasted date for survey completion is on **19th August**.
- **Wind Farm Centre:** the **MV FRONTIER** is forecast to be on site from 27th July and survey completion date is expected on **31st August**.
- **Wind Farm West:** the **MV TETHRA** is forecasted to be on site from 28th July and survey completion date is expected on **22nd August**.

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

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 One 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 Tethra and MV Athena (Bibby Hydromap)		
Project Manager	Iciar Martinez	
Tel: +44(0)151 328 1120	Mob: +44 (0) 772 0740 852	E-mail: iciar.martinez@bibbyhydromap.com

Geophysical Investigations – MV Helmert & Victor Hensen & MV Frontier (Fugro)		
Project Manager	Darren Baylis	
Tel: +44 (0) 1489 861 949	Mob: +44 (0) 7789 643 986	E-mail: d.baylis@fugro.com

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 one 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 Willem Knoops

Tel: +44 20 7811 5547 E-mail: WILKN@dongenergy.co.uk

7. SURVEY VESSELS

Updated Survey operations will be conducted by the survey vessel **MV TETHRA** operated by Bibby Hydromap and **MV FRONTIER** operated by Fugro whose details are provide 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 TETHRA)	
Bridge	+44 (0) 7920075745
Inmarsat Bridge	423592764
V-Sat Bridge	+44 (0) 1512030865
Party Chief	Padrig Rees / Tracy Smith
Email	bibby.tethra@bibbyhydromap.com

General Information (MV TETHRA)	
Name	MV TETHRA
Flag	British
Year Built	2011
IMO Number	9637167
Call Sign	2EGF8
Class	Research/Survey Vessel



Dimensions	
Length	27.50
Beam	10
Draught	3.5
Gross Tonnage	40
Communication	
Inmarsat	423592764

Vessel Contact Details (MV FRONTIER)	
Bridge	+31 107 130 936
Inmarsat Bridge	+88 163 141 9009
V-Sat Bridge	+31 107 130 936
Party Chief	+31 107 130 938 / partychief@frontier.fugro.com
Email	master@frontier.fugro.com

General Information (MV FRONTIER)	
Name	MV FRONTIER
Flag	Bahamas Maritime Authority (BMA)
Year Built	2014
IMO Number	9701657
Call Sign	C6BH4
Class	Germanischer Lloyd



Dimensions	
Length	53.7 m
Beam	12.5 m
Draught	3.1 m
1400	464
Communication	
Inmarsat	+88 163 141 9009

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, EEFPo and VisNed.

ABP Ports	cjefferson@abports.co.uk ;
ABP Ports	afirman@abports.co.uk ;
BP	fiona.williamson@uk.bp.com ; lynda.harpley@uk.bp.com ; bickft@bp.com ;
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Centrica	Jurgen.joosten@centrica.com ;
Conoco Phillips	Susan.Mpaulo@conocophillips.com ; michelle.m.harrety@conocophillips.com ; Karen.morrison@conocophillips.com ; liam.R.williams@conocophillips.com ;
DECC	correspondence@decc.qsi.gov.uk ;
DEFRA (Eastern Fisheries Inspectorate Lowestoft)	lowestoft@mfa.gov.uk ;
DFDS	roy.kersey@dfds.com ;
DFDS	richard.berglarsen@dfds.com ;
Eastern IFCA	mail@eastern-ifca.gcsx.gov.uk ;
East Port Uk	harbouroffice@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	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@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 ;
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 ; Tony.peetoom@shell.com ;
Specialist Marine Services	simonp@smchse.com ;
Trinity House Navigation	Navigation.directorate@thls.org ;
Tullow Oil	ian.manners@tulloil.com ;
UKHO (HDC Files)	hdcfiles@ukho.gov.uk ;
UKHO (NTMs)	noticetomariners@ukho.gov.uk ; offshore.energy@ukho.gov.uk ; Ray.Paice@UKHO.gov.uk ;
UKHO (Navigational Warnings)	Navwarnings@btconnect.com ;
Wells Harbour	harbouroffice@wellsharbour.co.uk ;
ABP Ports	cjefferson@abports.co.uk ;