



## NOTICE TO MARINERS HORNSEA PROJECT TWO OFFSHORE WIND FARM PLANNED GEOPHYSICAL INVESTIGATIONS

Hornsea Project Two – Notice to Mariners September 2017. Issued 11/09/2017 – Update 1

### 1. INTRODUCTION

Mariners are advised that Hornsea Project Two will be carrying out geophysical investigations in September for the proposed Hornsea Project Two 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 survey will investigate six approximately 100m x 100m size areas within the Proposed Site Boundary shown on next pages.

### 2. AREA OF OPERATIONS

Activities will centre on the Hornsea Project Two array area. The following points define the extent of the project area in which geotechnical investigations will be conducted.

Point ID	WGS84 UTM31N (Deg, Min, Secs)		Point ID	WGS84 UTM31N (Deg, Min, Secs)	
	Latitude	Longitude		Latitude	Longitude
Area 1 (BH2_SCPT)					
1	53° 53' 39.632" N	1° 31' 20.340" E	3	53° 53' 36.466" N	1° 31' 25.933" E
2	53° 53' 39.701" N	1° 31' 25.817" E	4	53° 53' 36.397" N	1° 31' 20.456" E
Area 2 (SCPT3_BHOSS3)					
1	53° 55' 17.677" N	1° 35' 26.742" E	3	53° 55' 14.508" N	1° 35' 32.333" E
2	53° 55' 17.743" N	1° 35' 32.222" E	4	53° 55' 14.442" N	1° 35' 26.853" E
Area 3 (SCPT_5)					
1	53° 59' 47.586" N	1° 48' 40.443" E	3	53° 59' 44.407" N	1° 48' 46.029" E
2	53° 59' 47.642" N	1° 48' 45.934" E	4	53° 59' 44.351" N	1° 48' 40.538" E
Area 4 (SCPT_8)					
1	53° 58' 41.685" N	2° 2' 47.003" E	3	53° 58' 38.494" N	2° 2' 52.568" E
2	53° 58' 41.729" N	2° 2' 52.492" E	4	53° 58' 38.449" N	2° 2' 47.079" E
Area 5 (SCPT_14)					
1	53° 58' 33.364" N	1° 29' 47.577" E	3	53° 58' 30.199" N	1° 29' 53.183" E

2	53° 58' 33.434" N	1° 29' 53.064" E	4	53° 58' 30.129" N	1° 29' 47.695" E
Area 6 (SCPT_32A)					
1	53° 52' 55.519" N	1° 37' 45.186" E	3	53° 52' 52.348" N	1° 37' 50.770" E
2	53° 52' 55.583" N	1° 37' 50.662" E	4	53° 52' 52.284" N	1° 37' 45.294" E

The survey vessel will be deployed to survey locations within the windfarm area at times and positions determined by client requirements, weather and sea conditions.

### 3. SURVEY

#### 3.1 Geophysical Investigations

Please be advised that Bibby Hydromap will be carrying out geotechnical investigations with the vessel MV Tethra on behalf of DONG Energy for the Hornsea Project Two Wind Farm.

The operations are planned for the week commencing Monday the **18<sup>th</sup> September 2017**, duration approx. 3 days offshore. The exact survey dates are dependent on weather and work progress, but the forecasted completion date as of the publication date of this notice is the end of September 2017.

The vessel will deploy a small airgun (circa <10 - 40 cubic inches) placed on a sledge and a multichannel streamer up to approximately 48m long. Both will be towed on the seabed. It will be requested that all vessels operating within the area keep a safe distance (500m) and pass at minimum speed.

#### 3.2 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 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.

### 4. IMMEDIATE CONTACTS

The contents of this notice are based upon our current understanding of Project Two 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 – Bibby Hydromap		
<b>Project Manager (Bibby)</b>	John Sadler	
Tel: +44 (0) 151 328 1120	Mob: +44 (0) 7876 638 048	E-mail: John.Sadler@bibbyhydromap.com
<b>Vessel Manager</b>	Martin Kent	
Tel: +44 (0) 151 328 1120	Mob: +44 (0) 7408 816 622	E-mail: Martin.Kent@bibbyhydromap.com

### 5. FISHERIES LIAISON

Project Two Onshore Fisheries Liaison is provide for by Nick Garside who can be contacted on:

Mob: +44 (0) 7538 827 013

Email: [nick.garside@live.co.uk](mailto:nick.garside@live.co.uk)

## 5.1 Offshore Fisheries Liaison

Offshore Fisheries Liaison Officer will be on-board and shall be present on the vessel at all times during the works, contactable on VHF channel 16.

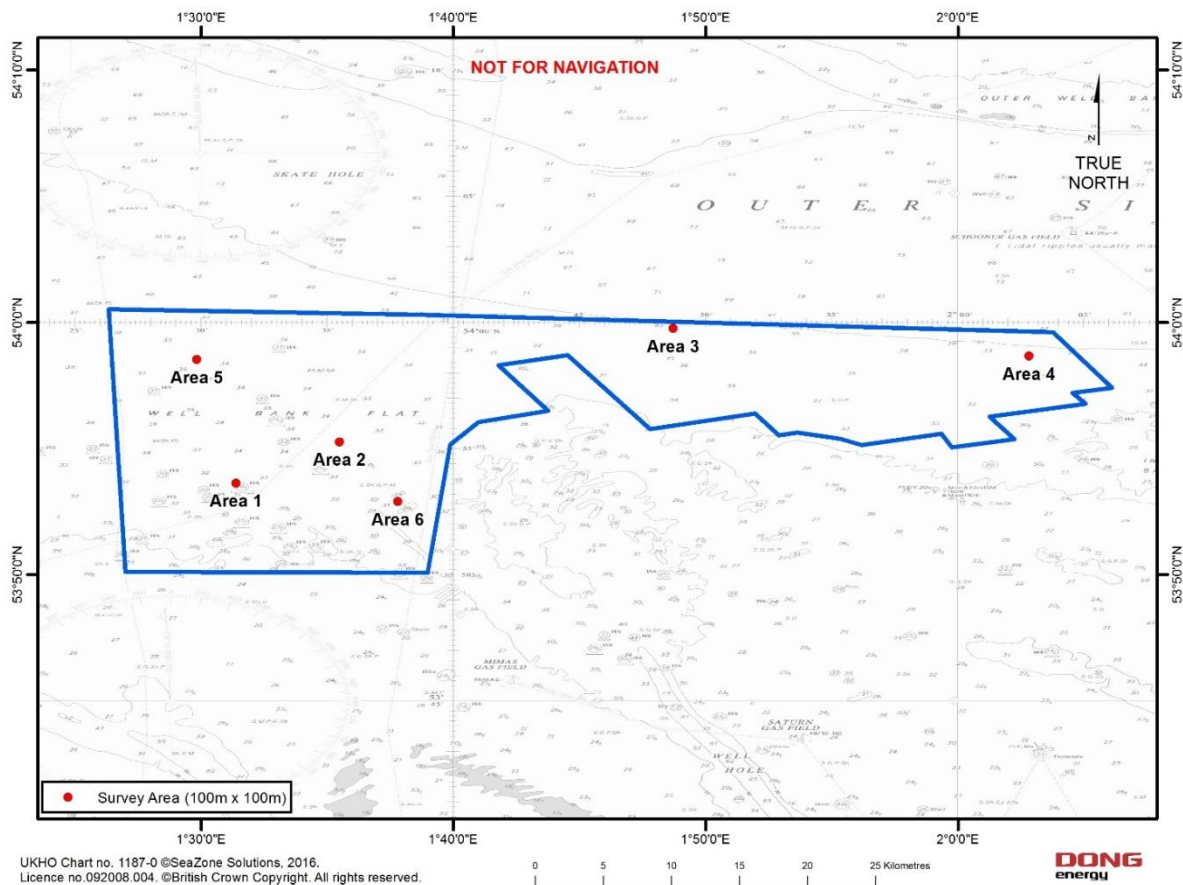
## 5.2 Project Specific Contacts

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

Site Investigation Manager – Klaus Mortensen

Mob: +45 99 55 76 41 E-mail: klamo@dongenergy.dk

## 6. SURVEY AREA



## 7. SURVEY VESSELS

Survey operations will be conducted by the survey vessel MV Tethra whose details are provided below. Contact can be made directly with the vessel using the contact details listed below. Client and contractor contact details are provided in Section 4 of this NTM.

Vessel Contact Details	
Bridge	+44 (0) 7920075745
Inmarsat Bridge	423592764
V-Sat Bridge	+44 (0) 1512030865
Party Chief	TBC, +44 (0) 1512030865
Email	bibby.tethra@bibbyhydromap.com

General Information	
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

## 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	<a href="mailto:cjefferson@abports.co.uk">cjefferson@abports.co.uk</a> ; <a href="mailto:afirman@abports.co.uk">afirman@abports.co.uk</a> ; <a href="mailto:hesvts@abports.co.uk">hesvts@abports.co.uk</a> ;
BP	<a href="mailto:Andrew.Steele@uk.bp.com">Andrew.Steele@uk.bp.com</a> ; <a href="mailto:sandra.turin@uk.bp.com">sandra.turin@uk.bp.com</a> ; <a href="mailto:bickft@bp.com">bickft@bp.com</a> ;
CEFAS	<a href="mailto:jon.rees@cefass.co.uk">jon.rees@cefass.co.uk</a> ; <a href="mailto:Keith.Cooper@cefass.co.uk">Keith.Cooper@cefass.co.uk</a> ;
Centrica	<a href="mailto:Jurgen.ioosten@centrica.com">Jurgen.ioosten@centrica.com</a> ;
Conoco Phillips	<a href="mailto:Karen.Morrison@conocophillips.com">Karen.Morrison@conocophillips.com</a> ; <a href="mailto:Kingsley.Anunobi@contractor.conocophillips.com">Kingsley.Anunobi@contractor.conocophillips.com</a> ; <a href="mailto:Susan.Mpaulo@conocophillips.com">Susan.Mpaulo@conocophillips.com</a> ; <a href="mailto:Stuart.C.Brookes@conocophillips.com">Stuart.C.Brookes@conocophillips.com</a> ; <a href="mailto:Karen.morrison@conocophillips.com">Karen.morrison@conocophillips.com</a> ; <a href="mailto:liam.R.williams@conocophillips.com">liam.R.williams@conocophillips.com</a> ;
DECC (now known as Department of Business, Energy and Industrial Strategy)	<a href="mailto:enquires@BEIS.gov.uk">enquires@BEIS.gov.uk</a> ;
DEFRA (Eastern Fisheries Inspectorate Lowestoft)	<a href="mailto:lowestoft@mfa.gsi.gov.uk">lowestoft@mfa.gsi.gov.uk</a> ;
	<a href="mailto:roy.kersey@dfds.com">roy.kersey@dfds.com</a> ;
DFDS	<a href="mailto:richard.berglarsen@dfds.com">richard.berglarsen@dfds.com</a> ;
DIO SD Trg-E Holbeach TSO (Lawrence, Christa Sqn Ldr)	<a href="mailto:DIOSDTrg-EHolbeachTSO@mod.uk">DIOSDTrg-EHolbeachTSO@mod.uk</a> ;
DNK-ATCSNCO2 (Philpot, Jonathan FS)	<a href="mailto:DNK-ATCSNCO2@mod.uk">DNK-ATCSNCO2@mod.uk</a> ;
Eastern IFCA	<a href="mailto:mail@eastern-ifca.gov.uk">mail@eastern-ifca.gov.uk</a> ;
East Port UK	<a href="mailto:harbouroffice@eastportuk.co.uk">harbouroffice@eastportuk.co.uk</a> ;
East Riding Council	<a href="mailto:david.mccandless@eastriding.gov.uk">david.mccandless@eastriding.gov.uk</a> ;
ENGIE	<a href="mailto:Pierre.girard@gdfsuezep.co.uk">Pierre.girard@gdfsuezep.co.uk</a> ;
HM Coastguard	<a href="mailto:zone8@hmcg.gov.uk">zone8@hmcg.gov.uk</a> ; <a href="mailto:zone9@hmcg.gov.uk">zone9@hmcg.gov.uk</a> ;
HOW01 - Fisheries Liaison Officer (Onshore)	<a href="mailto:nick.garside@live.co.uk">nick.garside@live.co.uk</a> ;
HOW01	<a href="mailto:MBROW@dongenergy.co.uk">MBROW@dongenergy.co.uk</a> ;
HOW03	<a href="mailto:FELBR@dongenergy.co.uk">FELBR@dongenergy.co.uk</a> ;
Ineos	<a href="mailto:phillip.jones@ineos.com">phillip.jones@ineos.com</a> ; <a href="mailto:mark.yates@ineos.com">mark.yates@ineos.com</a> ; <a href="mailto:Andrew.Mann@ineos.com">Andrew.Mann@ineos.com</a> ;
Kingfisher Information Services	<a href="mailto:kingfisher@seafish.co.uk">kingfisher@seafish.co.uk</a> ;
Kings Lynn Port Authority	<a href="mailto:harbourmaster@portauthoritykingslynn.fsnet.co.uk">harbourmaster@portauthoritykingslynn.fsnet.co.uk</a> ;
MCA	<a href="mailto:Peter.lowson@mcga.gov.uk">Peter.lowson@mcga.gov.uk</a> ;
MCA (Navigation Safety)	<a href="mailto:navigationsafety@mcga.gov.uk">navigationsafety@mcga.gov.uk</a> ;

MCA Offshore Renewable Energy Advisor	<a href="mailto:nick.salter@mcga.gov.uk">nick.salter@mcga.gov.uk</a> ;
MCA Yarmouth	<a href="mailto:Wm.yarmouth@mcga.gov.uk">Wm.yarmouth@mcga.gov.uk</a> ;
MCA (Humber Maritime Rescue Sub-Centre)	<a href="mailto:wm.humber@mcga.gov.uk">wm.humber@mcga.gov.uk</a> ;
Marine Management Organisation	<a href="mailto:Lisa.Southwood@marinemanagement.org.uk">Lisa.Southwood@marinemanagement.org.uk</a> ;
Marine Management Organisation	<a href="mailto:marine.consent@marinemanagement.org.uk">marine.consent@marinemanagement.org.uk</a> ;
Marine Management Organisation (Grimsby)	<a href="mailto:grimsby@marinemanagement.org.uk">grimsby@marinemanagement.org.uk</a> ;
Marine Management Organisation (Harwich)	<a href="mailto:harwich@marinemanagement.org.uk">harwich@marinemanagement.org.uk</a> ;
Marine Management Organisation (North Shields)	<a href="mailto:northshields@marinemanagement.org.uk">northshields@marinemanagement.org.uk</a> ;
Marine Management Organisation (Lowestoft)	<a href="mailto:lowestoft@marinemanagement.org.uk">lowestoft@marinemanagement.org.uk</a>
National Federation of Fishermen's Organisations	<a href="mailto:nffo@nffo.org.uk">nffo@nffo.org.uk</a> ;
National Grid	<a href="mailto:Daniel.James@nationalgrid.com">Daniel.James@nationalgrid.com</a> ;
North Eastern IFCA	<a href="mailto:ne-ifca@eastriding.gov.uk">ne-ifca@eastriding.gov.uk</a> ;
North IFCA	<a href="mailto:nifca@nifca.gov.uk">nifca@nifca.gov.uk</a> ;
Perenco	<a href="mailto:asanders@uk.perenco.com">asanders@uk.perenco.com</a> ;
Port of Boston	<a href="mailto:rwalker@portofboston.co.uk">rwalker@portofboston.co.uk</a> ;
P&O Ferries	<a href="mailto:grant.laversuch@poferries.com">grant.laversuch@poferries.com</a> ; <a href="mailto:captain.po.york@poferries.com">captain.po.york@poferries.com</a> ; <a href="mailto:captain.po.hull@poferries.com">captain.po.hull@poferries.com</a> ; <a href="mailto:captain.po.rotterdam@poferries.com">captain.po.rotterdam@poferries.com</a> ; <a href="mailto:captain.po.bruges@poferries.com">captain.po.bruges@poferries.com</a> ;
Premier Oil	<a href="mailto:ramstrong@PREMIER-OIL.com">ramstrong@PREMIER-OIL.com</a> ; <a href="mailto:lwest@PREMIER-OIL.com">lwest@PREMIER-OIL.com</a> ; <a href="mailto:daridgway@PREMIER-OIL.com">daridgway@PREMIER-OIL.com</a> ;
RNLI (Flamborough Lifeboat)	<a href="mailto:flamborough@rnli.org.uk">flamborough@rnli.org.uk</a> ;
RNLI (Skegness Lifeboat Station)	<a href="mailto:Skegness@rnli.org.uk">Skegness@rnli.org.uk</a> ;
RNLI (Scarborough Lifeboat)	<a href="mailto:scarborough@rnli.org.uk">scarborough@rnli.org.uk</a> ;
RNLI (Spurn Head)	<a href="mailto:humber@rnli.org.uk">humber@rnli.org.uk</a> ;
RNLI (Whitby Lifeboat)	<a href="mailto:whitby@rnli.org.uk">whitby@rnli.org.uk</a> ; <a href="mailto:coxswain@wellslifeboat.org">coxswain@wellslifeboat.org</a> ;
Shell	<a href="mailto:UKDCC-Supervisor@shell.com">UKDCC-Supervisor@shell.com</a> ; <a href="mailto:SUKEP-Marine-Services@shell.com">SUKEP-Marine-Services@shell.com</a> ; <a href="mailto:sandy.smith@shell.com">sandy.smith@shell.com</a> ; <a href="mailto:Tony.peetoom@shell.com">Tony.peetoom@shell.com</a> ;
Specialist Marine Services	<a href="mailto:simonp@smchse.com">simonp@smchse.com</a> ;
Trinity House Navigation	<a href="mailto:Navigation.directorate@thls.org">Navigation.directorate@thls.org</a> ; <a href="mailto:martin.thomas@thls.org">martin.thomas@thls.org</a> ;
Tullow Oil	<a href="mailto:ian.manners@tulloil.com">ian.manners@tulloil.com</a> ;
UKHO (HDC Files)	<a href="mailto:hdcfiles@ukho.gov.uk">hdcfiles@ukho.gov.uk</a> ;
UKHO (NTMs)	<a href="mailto:noticetomariners@ukho.gov.uk">noticetomariners@ukho.gov.uk</a> ; <a href="mailto:offshore.energy@ukho.gov.uk">offshore.energy@ukho.gov.uk</a> ; <a href="mailto:Ray.Paice@UKHO.gov.uk">Ray.Paice@UKHO.gov.uk</a> ;
UKHO (Navigational Warnings)	<a href="mailto:Navwarnings@btconnect.com">Navwarnings@btconnect.com</a> ;
Wells Harbour	<a href="mailto:harbouroffice@wellsharbour.co.uk">harbouroffice@wellsharbour.co.uk</a> ;

