



# Notice to Mariners – Hornsea Project Two

## Notice of Geophysical Survey – Issued 18.02.2019

### 1. INTRODUCTION

Mariners are advised that Hornsea Project Two will be carrying out geophysical investigations starting 4<sup>th</sup> March 2019 (weather dependent) 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 in the figure attached with this notice. Survey work should last four days.

One vessel will be used to conduct the geophysical survey, and will be towing geophysical survey equipment along the proposed export cable route.

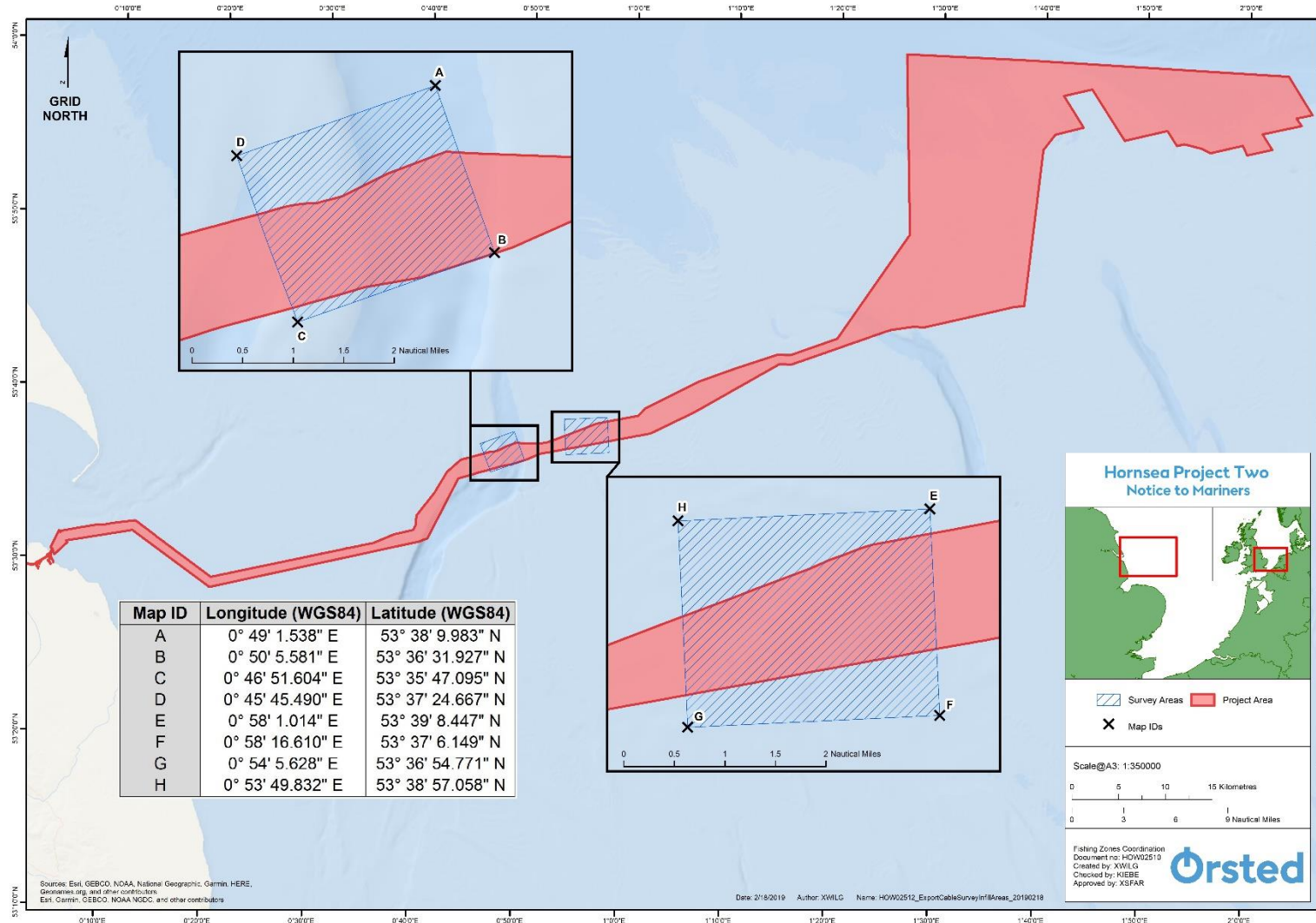
### 2. AREA OF OPERATIONS

Activities will centre on the Hornsea Project Two offshore wind farm proposed export cable route as shown in Figure 1. The coordinates of the proposed survey are appended to the end of this Notice. Mariners are advised that MaxSea and Olex plotter files of the proposed survey areas can be provided by the Project's Commercial Fisheries Advisors at Brown and May Marine Limited and the Project's onshore fisheries liaison. Contact details are provided in Section 5 of this Notice.

The survey will encompass two specific areas of the export cable route. As the vessels will be towing equipment they will require an adequate buffer to allow for turning circles, included within the stipulated survey areas shown in Figure 1.

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

Figure 1. Proposed Survey Area



### 3. SURVEY

#### 3.1 Geophysical Survey

Please be advised that Ørsted will be carrying out geophysical surveys using the Kommandor Stuart within the Hornsea Project Two Wind Farm boundary.

The operations are planned to commence Monday 4<sup>th</sup> March 2019 using the Kommandor Stuart. 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 Friday 8<sup>th</sup> March 2019.

The vessels will be towing geophysical survey equipment (side scan sonar, magnetometer, sub bottom profiler) and will also be using a hull-mounted system (MBES). As such, the vessels will have limited manoeuvrability and it is requested that all vessels operating near the proposed survey area keep a safe distance (at least 500m) and pass all vessels 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 Project's Fishing Industry Liaison of their position and nature. The Project has also requested the clearance of static fishing gear within the boundary shown in Figure 1 and described in Section 7 of this Notice. 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 the 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:

Geophysical Investigations:		
<b>Project Manager (Ørsted)</b>	Mira Rosten	
Tel: +44 (0)7824 545178	Mob: +44 (0)7824 545178	E-mail: <a href="mailto:mirro@orsted.co.uk">mirro@orsted.co.uk</a>
<b>Vessel Manager (Kommandor Stuart)</b>	Sam Litchfield	
Tel: +44 (0) 7748 988393	Tel: +44 (0) 7748 988393	E-mail: <a href="mailto:s.litchfield@fugro.com">s.litchfield@fugro.com</a>

### 5. FISHERIES LIAISON

Project Two Onshore Fisheries Liaison for this survey is provided by Nick Garside and Alex Winrow-Griffin who can be contacted on:

E-mail: <a href="mailto:nick.garside@live.co.uk">nick.garside@live.co.uk</a>	Mob: +44 (0) 7538 827013
Email: <a href="mailto:alex@brownmay.com">alex@brownmay.com</a>	Mob: +44 (0) 7760 160039

It is envisaged that an Offshore Fisheries Liaison Officer may be on-board the Kommandor Stuart during the works, contactable on VHF channel 16.

In the event the Onshore Fisheries Liaison is not contactable please direct fisheries enquiries related to the survey works to the Ørsted Company Fisheries Liaison Officer:

Company Fisheries Liaison Officer – Sophie Farenden	Tel: +44 (0)7551176795	E-mail: XSFAR@orsted.co.uk
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## 6. SURVEY VESSELS

Survey operations will be conducted by the Kommandor Stuart, whose details are provided below. Contact can be made directly with the vessels, where necessary, using the contact details listed below. Client and contractor contact details are provided in Section 4 and 5 of this NtM.

Vessel Contact Details – Kommandor Stuart	
Vessel telephone	+31 10 7130 938 +881 63 1419 009
Vessel email	<a href="mailto:Kommandorstuart@haysshopping.com">Kommandorstuart@haysshopping.com</a> <a href="mailto:kommandorstuartbridge@gmail.com">kommandorstuartbridge@gmail.com</a>

General Information	
<b>Name</b>	<b>Kommandor Stuart</b>
<b>Flag</b>	United Kingdom [GB]
<b>Year Built</b>	1976
<b>MMSI Number</b>	235011900
<b>Call Sign</b>	MPQH3
<b>Class</b>	DNVGL (Research / Survey Vessel)



Dimensions	
<b>Length</b>	60.36m
<b>Breadth</b>	12.04m
<b>Draught</b>	5.5m

## 7. COORDINATES

Map ID	Longitude (WGS84)	Latitude (WGS84)
A	0° 49' 1.538" E	53° 38' 9.983" N
B	0° 50' 5.581" E	53° 36' 31.927" N
C	0° 46' 51.604" E	53° 35' 47.095" N
D	0° 45' 45.490" E	53° 37' 24.667" N
E	0° 58' 1.014" E	53° 39' 8.447" N
F	0° 58' 16.610" E	53° 37' 6.149" N
G	0° 54' 5.628" E	53° 36' 54.771" N
H	0° 53' 49.832" E	53° 38' 57.058" N