

# **Ørsted - East Coast Operational Assets**

## **Notice to Mariners**

**Period of Notice: October 2022**

**Version: 2**

# Table of Contents

1	Introduction .....	3
1.1	Subsea Cables.....	3
1.2	Wind Farm Positional Data .....	4
2	Key Contacts.....	5
3	Notice to Mariners Summary:.....	6
4	Race Bank – Notice to Mariners .....	7
4.1	Lighting and Marking Status.....	7
4.2	Other Operations.....	7
4.2.1	Benthic Survey .....	7
4.2.2	SIAW .....	8
5	Westermost Rough – Notice to Mariners .....	9
5.1	Lighting and Marking Status.....	9
5.2	Other Operations.....	9
5.1.1	Below water Inspections .....	<b>Error! Bookmark not defined.</b>
6	Lincs – Notice to Mariners.....	9
6.1	Lighting and Marking Status.....	9
6.2	Other Operations.....	9
7	Gunfleet Sands – Notice to Mariners .....	10
7.1	Lighting and Marking Status.....	10
7.2	Other Operations.....	10
7.2.1	Main Bearing Replacement.....	10
7.3	Cable exposure .....	11
8	Hornsea One – Notice to Mariners.....	12
8.1	Lighting and Marking Status.....	12
8.2	Other Operations.....	14
8.2.1	Drone Blade Inspections .....	14

## 1 Introduction

Ørsted is an offshore wind farm owner and operator with ten operational wind farms in UK waters. Of these ten, the following offshore wind farms are located off the East Coast of England:

- Gunfleet Sands
- Westermost Rough
- Race Bank
- Lincs
- Hornsea One

The purpose of this monthly Notice to Mariners (NtM) is to ensure that mariners are aware of any non-routine operations across the East Coast assets that could pose a risk to other sea users. Safety is paramount to Ørsted and this notice should assist in ensuring that both mariners and the Ørsted operational team can operate safely offshore. This NtM will provide:

- A regular, clear and consistent overview of non-routine operations
- Updates relating to lighting and marking
- Key contact details
- Access to detailed site information and figures
- Clarity on when Safety Zones and recommended safe separation distances are in force or requested



This Notice to Mariners will not provide:

- Information relating to routine maintenance carried out by Crew Transfer Vessels (CTV) or Service Operation Vessels (SOV).
- Any information relating to export cables
- Any information relating to offshore wind farms currently in development, construction or not operated by Ørsted

### Subsea Cables

Subsea cables are installed across each offshore wind farm and are marked on the KIS ORCA charts referenced in Section 1.2. Please note the following advice from NP 100 The Mariners Handbook "Every care should be taken to avoid anchoring, trawling, fishing, dredging, drilling, or carrying out any other activity in the vicinity of cables which might damage them." This warning is repeated on all admiralty charts.

### **Wind Farm Positional Data**

KIS ORCA Awareness Charts (including the layout and coordinates) and Fishing Plotter Files of the offshore assets referenced in this NtM can be found via the KIS ORCA website: <https://kis-orca.org/downloads/> Should mariners require further information or any data in a format that can be used in a plotter or other device, please contact the Company Fisheries Liaison Officer, listed in Section 2 below.

## 2 Key Contacts

For further information on any of the activities listed within this notice, please use the contact details listed below.

Site	Ørsted Mailbox/ Offshore Coordination	Fisheries Industry Representative
Race Bank	Phone: 07826 943808 Email: <a href="mailto:rowoffshorec@orsted.com">rowoffshorec@orsted.com</a>	Ady Woods Phone: 07468 898948 Email: <a href="mailto:firwoods@hotmail.com">firwoods@hotmail.com</a>
Westernmost Rough	Phone: 07867 674941 Email: <a href="mailto:wmroffshorec@orsted.com">wmroffshorec@orsted.com</a>	Guy Pasco Phone: 07880 362082 Email: <a href="mailto:guy@seascopefisheries.co.uk">guy@seascopefisheries.co.uk</a>
Lincs	Phone: 07766443319 Email: <a href="mailto:lincsoffshorec@orsted.com">lincsoffshorec@orsted.com</a>	Ady Woods Phone: 07468 898948 Email: <a href="mailto:firwoods@hotmail.com">firwoods@hotmail.com</a>
Gunfleet Sands		Merlin Jackson Phone: 07989 520484 Email: <a href="mailto:merlinjackson@btinternet.com">merlinjackson@btinternet.com</a>
Hornsea One	Phone: 07775005465 Email: <a href="mailto:HOWoffshoreC@orsted.com">HOWoffshoreC@orsted.com</a>	Nick Garside Phone: 07538 827013 Email: <a href="mailto:nick.garside@live.co.uk">nick.garside@live.co.uk</a>
Hornsea Two	Phone: 07775005465 Email: <a href="mailto:HOW02offshoreC@orsted.com">HOW02offshoreC@orsted.com</a>	Nick Garside Phone: 07538 827013 Email: <a href="mailto:nick.garside@live.co.uk">nick.garside@live.co.uk</a>

### Company Fisheries Liaison Officer

The Ørsted Company Fisheries Liaison Officer can be contacted using the details below:

Lara Leonard  
Email: [LARLN@Orsted.com](mailto:LARLN@Orsted.com)

### 3 Notice to Mariners Summary:

Site	Lighting and Marking Status	Survey	Jack-Up Vessel	Other Works
Race Bank	OK	Yes	None	Asset inspections
Westermost Rough	OK	None	None	Below water Inspections
Lincs	OK	None	None	None
Gunfleet Sands	OK	None	Yes	Main bearing replacement <sup>o*</sup>
Hornsea One	A04 marine lantern & fog signal.	None	None	None
Hornsea Two	OK	None	None	None

- \* Formal 500m safety zone in place
- <sup>o</sup> Licensable activity
- \*\* 500m safety distance requested
- \*\*\* 200m safety distance requested
- \*\*\*\* 250m safety distance requested

***Status of lighting & marking is correct at time of issue; any changes will be communicated through an updated version being issued.***

## 4 Race Bank – Notice to Mariners

### 4.1 Lighting and Marking Status


The lighting and/ or navigational warning systems are currently operational. No planned outages.

### 4.2 Other Operations

#### 4.2.1 Benthic Survey

The survey vessel Seren Las benthic survey still to be done, expecting throughout early October. See below for locations.

#### Vessel Information

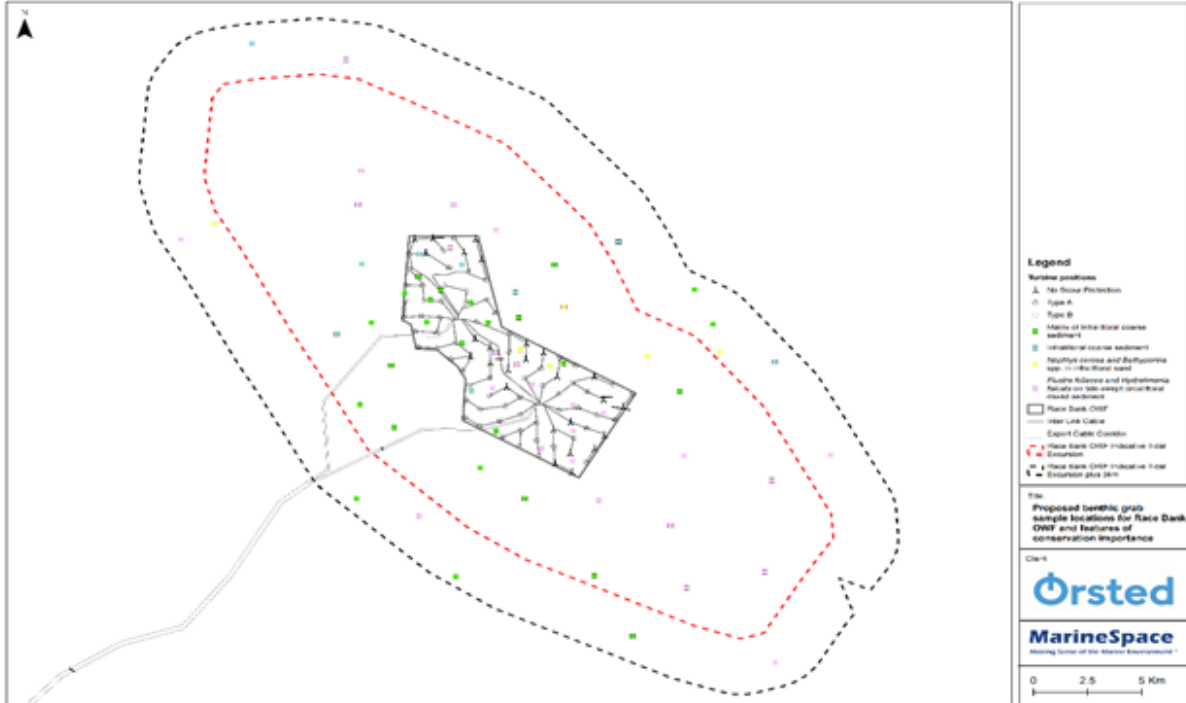
General Information		Vessel Picture
<b>Name</b>	Seren Las	
<b>Flag</b>	United Kingdom [GB]	
<b>Year Built</b>		
<b>MMSI</b>	235087047	
<b>Call Sign</b>	MDAH2	
Vessel Contact Details		
<b>Bridge</b>		
<b>Party Chief</b>		
<b>Email</b>		

WTG ID	Latitude	Longitude
A03	53 19 166N	00 46 392E
D06	53 18 087N	00 48 770E
E08	53 15 403N	00 48 960E
F05	53 15 548N	00 49 941E
G03	53 16 315N	00 50 659E
H06	53 14 550N	00 51 267E
J01	53 16 852N	00 52 107E
J03	53 15 876N	00 52 130E
<b>Export Cable Route</b>	See Below note	See Below note

#### Notes:

Text from the methodology: *At each of these, a cruciform of grab stations have been arranged with four grab stations at 150 m from the turbine on the cardinal points aligned to the dominant tidal flow and two further grab stations at 300 m distance aligned to the tidal flow.*

They will also be sampling outside of the array in the areas shown below and at locations along the export cable route.



#### 4.2.2 SIAW

The Blue Norther will be arriving on site early September 2022 to carry out Above Water Inspections on the TP's of the below locations, with works expected to last for 28 days.

B04,B05,B06,B07,C01,C02,C03,D05,D06,D07,D08,E01,E02,E03,F05,F06,F07,G01,  
G02,H05,H06,H07,J01,J02,J03,J05,J06,K01,K02,K04,K05,K06,K07,L01,L02,L05,L06  
L07,M01,M02,M03,M05,M06,N01,R01,P01

General Information		Vessel Picture
Name	MCS Blue Norther	
Flag	UK	
Year Built		
MMSI	235096374	
Call Sign	2GDD5	
Vessel Contact Details		
Bridge	07876861745	
Party Chief		
Email	mcsbluenorther@maritimecraft.co.uk	



## **5      Westermost Rough – Notice to Mariners**

### **5.1      Lighting and Marking Status**

The lighting and/ or navigational warning systems are currently operational. No planned outages.

### **5.2      Other Operations**

Nothing planned.

## **6      Lincs – Notice to Mariners**

### **6.1      Lighting and Marking Status**

The lighting and/ or navigational warning systems are currently operational. No planned outages.

### **6.2      Other Operations**

Nothing planned.

## 7 Gunfleet Sands – Notice to Mariners

### 7.1 Lighting and Marking Status


The lighting and/ or navigational warning systems are currently operational. No planned outages.

### 7.2 Other Operations

#### 7.2.1 Main Bearing Replacement

The Jack up Vessel Wind Server is expected on site on the 24<sup>th</sup> October to carry out main bearing replacements on locations E04 & F04. A 500m exclusion zone will be required whilst the Wind Server is in position at the turbines and whilst jacking up.

#### Vessels

General Information		Vessel Picture
<b>Name</b>	WIND SERVER	
<b>Flag</b>	Denmark [DK]	
<b>Year Built</b>	2014	
<b>MMSI Number</b>	219615000	
<b>Call Sign</b>	OWLB2	
Vessel Contact Details		
<b>Bridge</b>		
<b>Party Chief</b>		
<b>Email</b>	<a href="mailto:projects@ziton.eu">projects@ziton.eu</a>	

General Information		Vessel Picture
<b>Name</b>	Manor Vulcan	
<b>Flag</b>	United Kingdom [GB]	
<b>Year Built</b>	2022	
<b>MMSI Number</b>	232042488	
<b>Call Sign</b>	MLRK6	
Vessel Contact Details		
<b>Bridge</b>		
<b>Party Chief</b>		
<b>Email</b>	<a href="mailto:mi@mreltd.co.uk">mi@mreltd.co.uk</a>	

WTG ID	Long	Lat
E04	001° 13.96947023' E	51° 43.66431166' N
F04	001° 14.14774691' E	51° 43.45741667' N

### 7.3 Cable exposure

There are subsea cables currently exposed as shown on the below chart and coordinates.

ID	Array Cable ID	Length (m)	Start Coordinate		End Coordinate	
			X	Y	X	Y
<b>GFS_MBES_T0 01- Unidentified Other</b>	F08-F09	13.4	381926.6813	5734099.2514	381941.1213	5734102.2491
<b>GFS_MBES_T0 02-Cable Exposure</b>	F08-F09	790.93	381230.1477	5733680.7421	381918.2586	5734094.8699
<b>GFS_MBES_T0 03-Cable Exposure</b>	F07-F08	533.19	380968.1396	5733528.5434	381159.7110	5733644.3273
<b>GFS_MBES_T0 04-Cable Exposure</b>	F06-F07	25.25	380380.6553	5733175.2259	380399.7014	5733187.5362

## 8 Hornsea One – Notice to Mariners

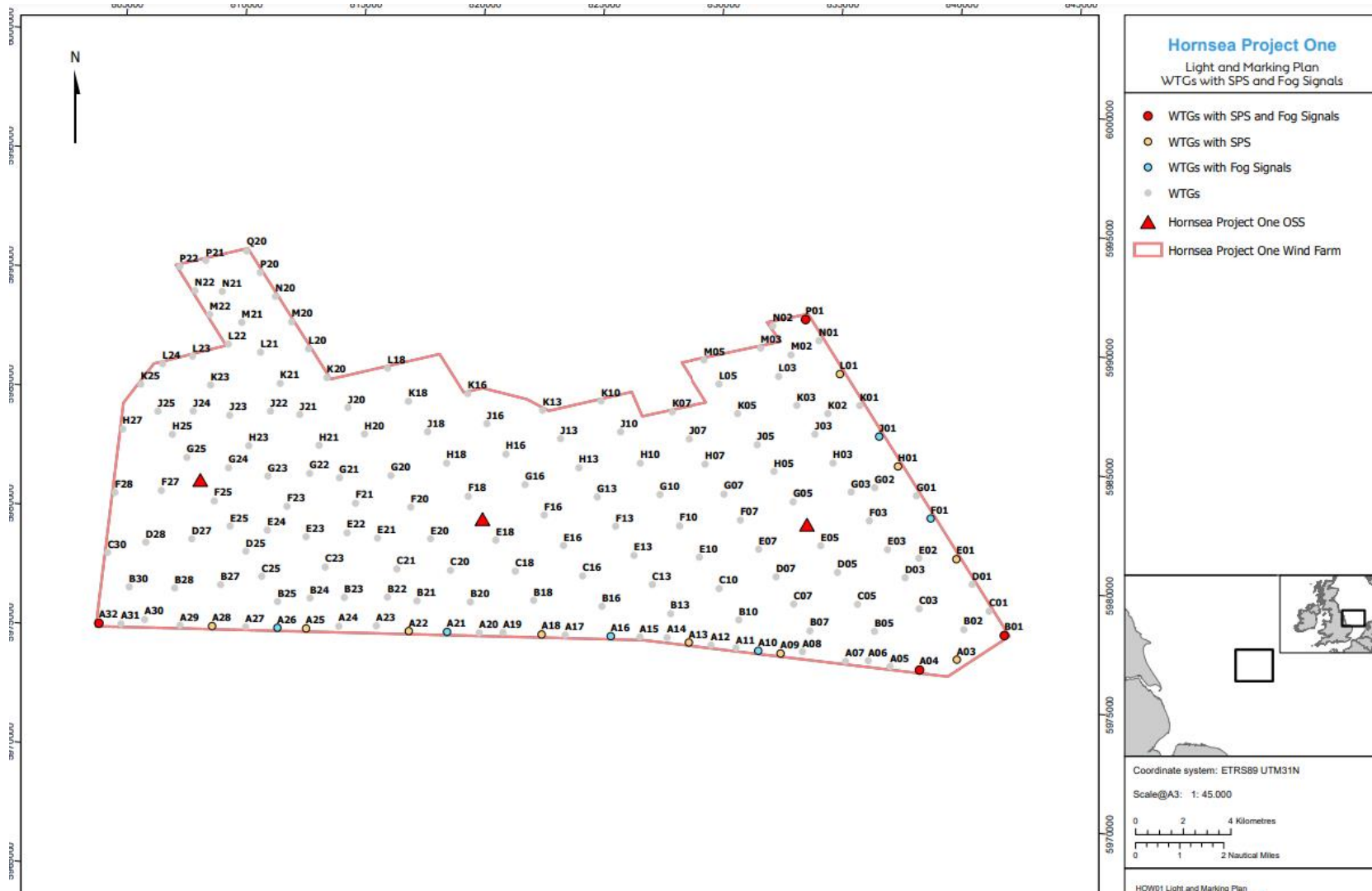
### 8.1 Lighting and Marking Status

A04 marine lanterns & foghorn are currently inoperative. There are no other planned outages.

Mariners are advised that the marine navigation lighting and foghorns on turbines situated on the Hornsea Project One / Two adjoining perimeter have now been extinguished. Marine navigation lighting will now alight the combined perimeter of Hornsea Project One and Two.

Please see the table below showing the locations where the foghorns/marine navigation lighting has been discontinued (indicated with an X)

<b>Turbine</b>	<b>Marine Navigation Lights</b>	<b>Foghorns</b>
<b>Q20</b>	X	X
<b>C30</b>	X	X
<b>H27</b>	X	X
<b>P22</b>	X	X
<b>L20</b>	X	X
<b>K16</b>	X	X
<b>K10</b>	X	X
<b>M05</b>	X	X
<b>L20</b>	X	X
<b>K16</b>		X
<b>K10</b>		X
<b>M05</b>		X




## 8.2 Other Operations

### 8.2.1 Drone Blade Inspections

On the 25th August, the vessel Ary will be on site to complete Blade Inspections via drone. All 174 WTG's will be inspected. We anticipate the work will take around 30 days to complete. Works ongoing.

#### Vessel Information

General Information		Vessel Picture
Name	Ary	
Flag	VANUATU	
Year Built	1980	
MMSI	577031000	
Call Sign	YJQJ5	
Vessel Contact Details		
Bridge		
Party Chief		
Email		



## 9 Hornsea Two – Notice to Mariners

### 9.1 Lighting and Marking Status

The lighting and/ or navigational warning systems are currently operational. No planned outages.

### 9.1 Other Operations

Nothing planned.