

Ørsted - East Coast Operational Assets

Notice to Mariners

Period of Notice: May 2022

Version: 2

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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: rowoffshorec@orsted.co.uk	Ady Woods Phone: 07468 898948 Email: firwoods@hotmail.com
Westermost Rough	Phone: 07867 674941 Email: wmroffshorec@orsted.co.uk	Guy Pasco Phone: 07880 362082 Email: guy@seascopefisheries.co.uk
Lincs	Phone: 07766443319 Email: lincsoffshorec@orsted.co.uk	Ady Woods Phone: 07468 898948 Email: firwoods@hotmail.com
Gunfleet Sands		Merlin Jackson Phone: 07989 520484 Email: merlinjackson@btinternet.com
Hornsea One	Phone: 07775005465 Email: HOWoffshoreC@orsted.co.uk	Nick Garside Phone: 07538 827013 Email: nick.garside@live.co.uk

Company Fisheries Liaison Officer

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

Courtney French
Email: CONFR@Orsted.co.uk

3 Notice to Mariners Summary:

Site	Lighting and Marking Status	Survey	Jack-Up Vessel	Other Works
Race Bank	OK	Yes	None	None
Westermost Rough	A01 Fog signal	None	None	Blade LEP
Lincs	OK	None	None	None
Gunfleet Sands	OK	None	None	HSS bearing inspection, drone inspections.
Hornsea One	H27 Fog Signal	None	None	G25 repair

- * Formal 500m safety zone in place
- ° 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 will be on site at points during June & July to complete a benthic survey. See below for locations.

Vessel Information

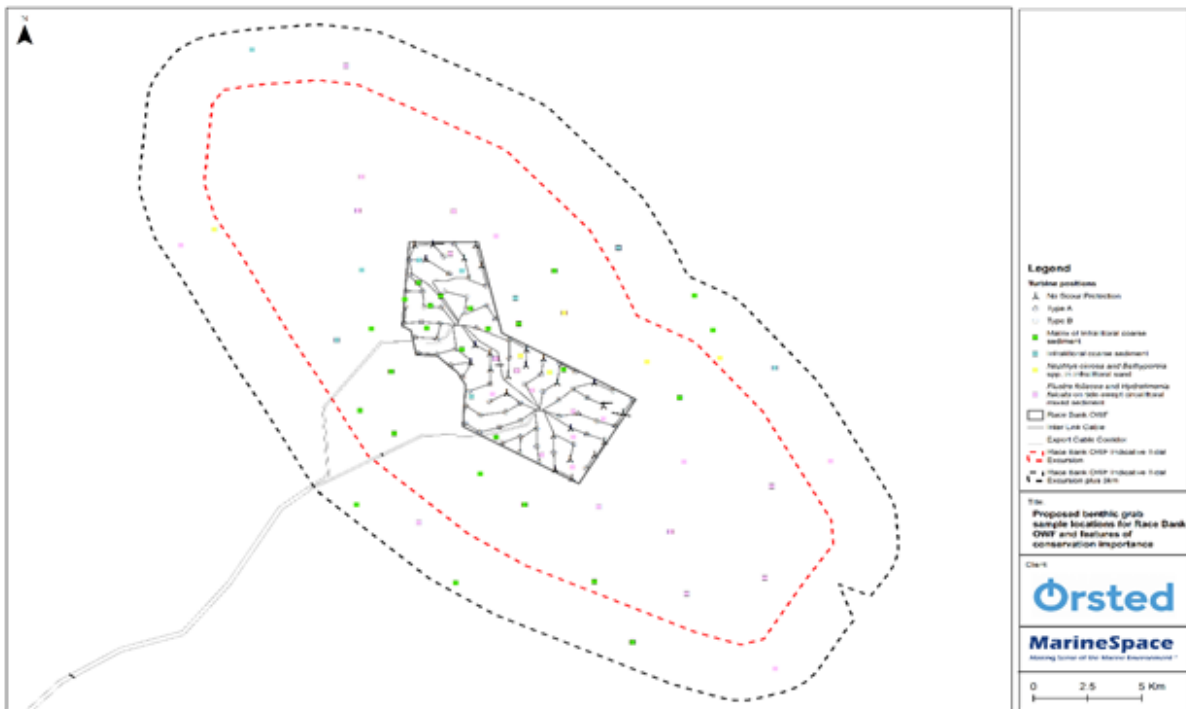
<i>General Information</i>		<i>Vessel Picture</i>
Name	Seren Las	
Flag	United Kingdom [GB]	
Year Built		
MMSI	235087047	
Call Sign	MDAH2	
<i>Vessel Contact Details</i>		
Bridge		
Party Chief		
Email		

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
Export Cable Route	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.



5 Westermost Rough – Notice to Mariners

5.1 Lighting and Marking Status

A01 fog signal is constantly sounding, the issue is being investigated and this NTM will be updated when the problem has been fixed.

5.2 Other Operations


5.1.1 Blade LEP campaign


The CTV NSL Discovery and the SOV Island Condor will be on site to conduct the blade repairs until the end of September.

When the technicians are deployed via the ropes an exclusion zone of 100m will be required.

All 35 turbines will be visited. There will be a liaison officer on board the Island Condor who will communicate a 3-5 day lookahead of planned locations throughout the project.

Vessel Information

General Information		Vessel Picture
Name	NSL Discovery	
Flag	United Kingdom [GB]	
Year Built		
MMSI	235096731	
Call Sign	2GEQ9	
Vessel Contact Details		
Bridge		
Party Chief		
Email	discovery@northsealogistics.co.uk	

General Information		Vessel Picture
Name	MV ISLAND CONDOR	
Flag	Norway	
Year Built	2014	
MMSI	257026000	
Call Sign	LNJM3	
Vessel Contact Details		
Bridge	VSAT Bridge: +47 23 67 36 38 GSM Bridge: +47 969 04 741	
Party Chief		
Email	bridge@condor.islandoffshore.com captain@condor.islandoffshore.com	

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 High Speed Bearing Exchange

AT the beginning of May, we will be carrying out some rectification work on several locations identified below. The Spectrum 2 CTV will be supporting this scope.

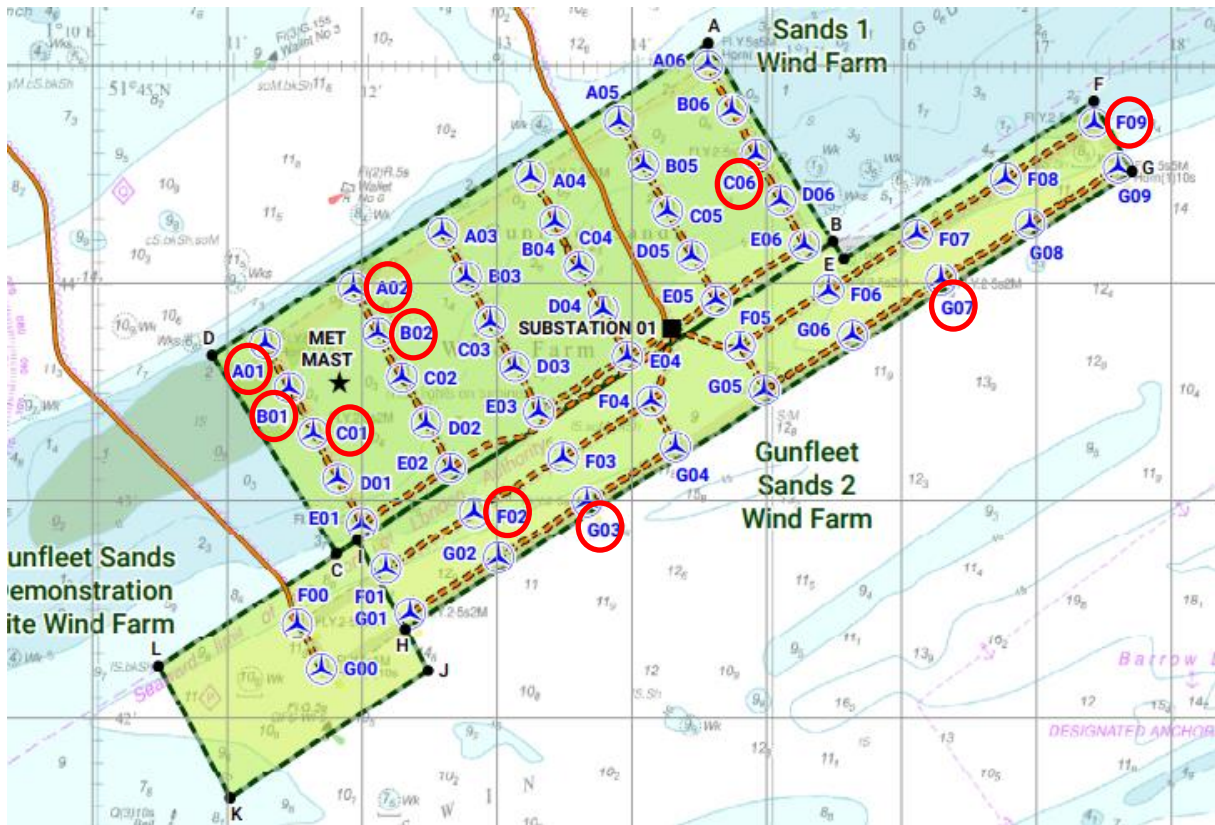
General Information		Vessel Picture
Name	Spectrum 2	
Flag	UK	
Year Built	-	
IMO/MMSI	235097363	
Call Sign	2GHE5	
Vessel Contact Details		
Bridge	07538562919	
Party Chief		
Email	Spectrum2@spectrum-offshore.com	

Coordinates

WINDFARM	TURBINEID	WGS84 (Deg, decimal Minutes)	
		LONGITUDE	LATITUDE
GFS01	C02	001° 12.29913815' E	51° 43.56607477' N
GFS02	F09	001° 17.42810506' E	51° 44.73736528' N

7.2.2 External Blade Inspections

At the beginning of May we will be carrying out external blade Inspections for the below locations via drone. We anticipate the works taking 2-3 days. The vessel will be the Spectrum 3 (see above)

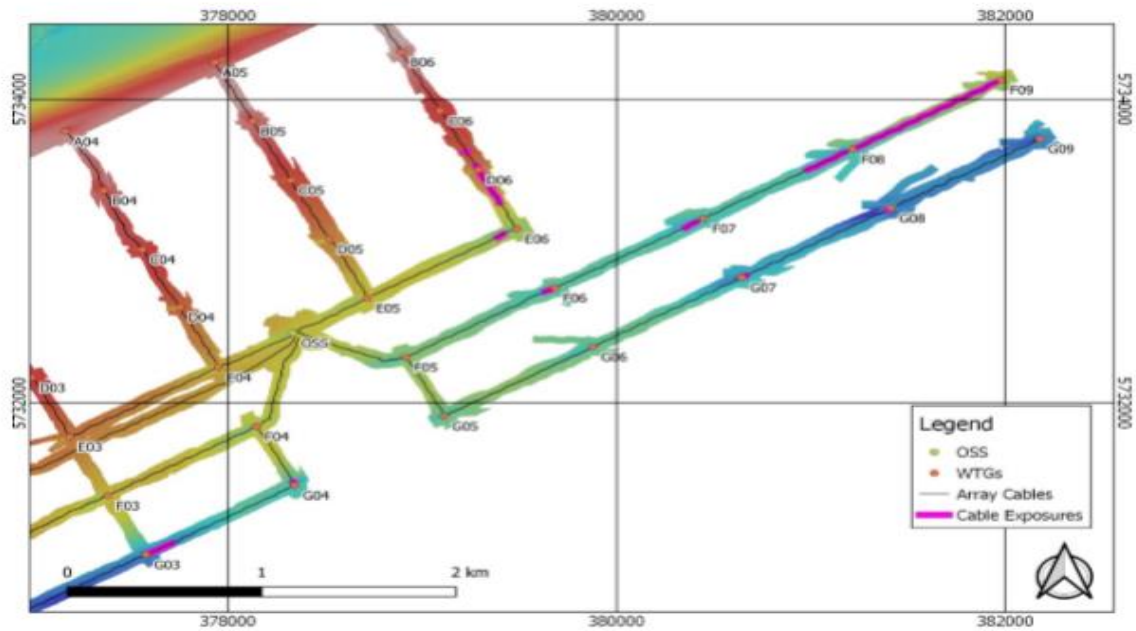


7.3 Cable exposure

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

Array cable	Nearest WTG	Distance from WTG to start exposure [m]	Exposure length [m]	Coordinates start exposure		Coordinates end exposure	
				X	Y	X	Y
F06-F07	F07	53.9	73.9	380400.9	5733188.0	380341.2	5733147.0
F07-F08	F08	52.4	216.1	381166.3	5733649.0	380982.7	5733538.0
F08-F09	F08	28.1	827.9	381238.4	5733685.0	381942.3	5734108.0
G03-G04	G03	19.9	129.8	377595.9	5731011.0	377708.3	5731074.0
G07-G08	G07	15.4	5.8	380657.0	5732835.0	380662.0	5732838.0
G07-G08	G08	6.5	11.0	381404.9	5733280.0	381395.3	5733275.0

Table 5-1; Array cable exposures detected in GFS0102



8 Hornsea One – Notice to Mariners

8.1 Lighting and Marking Status

H27 Foghorn is currently inoperative.

8.2 Other Operations

8.2.1 G25 Switchgear Replacement


Planned to start on the 7th May for a duration of 14 Days works will commence to replace Switchgear on G25 at Hornsea 1. They will also complete some works on Offshore Substation HA Z11. This will be primarily completed by Service Operation Vessel: Horizon Enabler shown below.

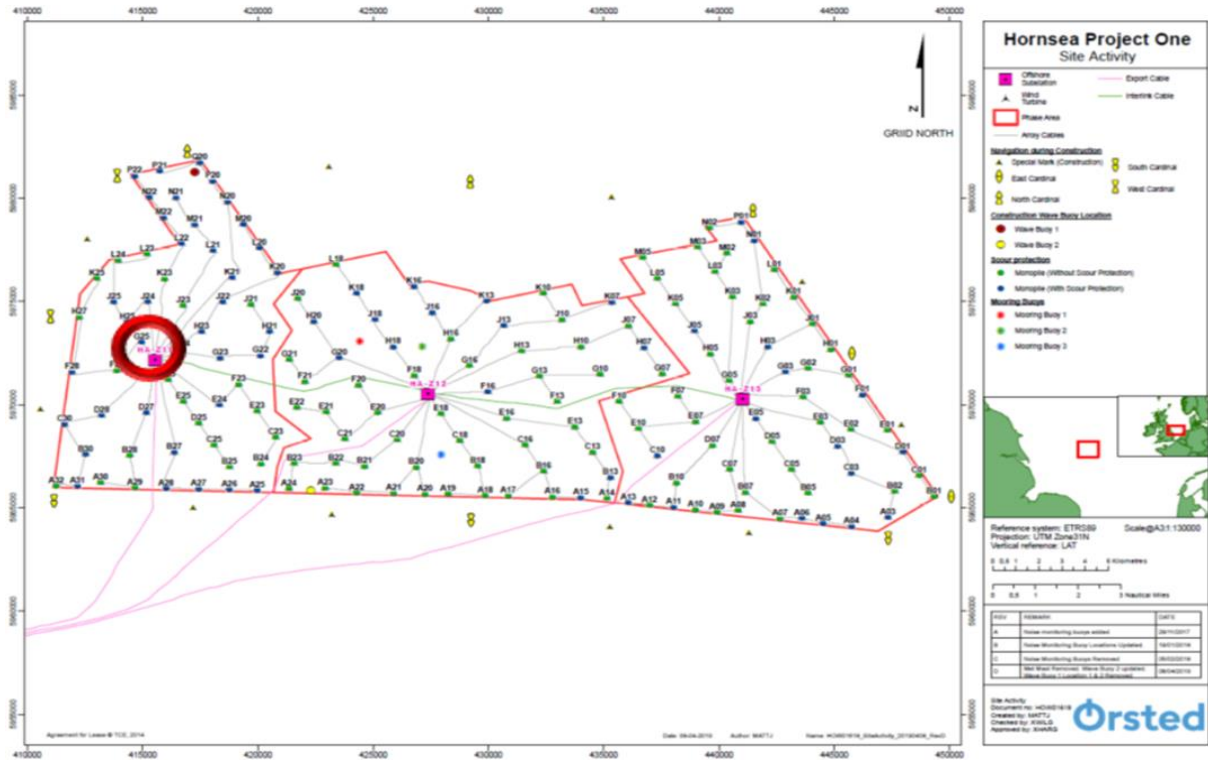
Mariners are requested to observe a 50m safety exclusion zone around Horizon Enabler.

We would request that fishing gear is not placed within 150m of G25.

TURBINEID	WGS84 (Deg, decimal Minutes)	
	LONGITUDE	LATITUDE
G25	001° 42.33436959' E	53° 53.93668319' N

Vessel Information

General Information		Vessel Picture
Name	Horizon Enabler	
Flag	UK	
Year Built	2010	
MMSI Number	314627000	
Call Sign	8PBK2	
Vessel Contact Details		
Bridge		
Party Chief		
Email	captain.enabler@horizonmaritime.com	




8.2.2 Additional CTVs

Throughout April, there will be numerous additional CTV's will on site supporting site operations. The vessels are the MCS Kaver, MCS Blue Norther, MCS Boreas and Dalby Ribble

General Information		Vessel Picture
Name	MCS Blue Norther	
Flag	UK	
Year Built	2012	
MMSI	235096374	
Call Sign	2GDD5	
Vessel Contact Details		
Bridge		
Party Chief		
Email	mcsbluenorther@maritimecraft.co.uk	

General Information		Vessel Picture
Name	MCS Kaver	
Flag	UK	
Year Built	2013	
MMSI	235098572	
Call Sign	2GMB8	
Vessel Contact Details		
Bridge		
Party Chief		
Email	mcskaver@maritimecraft.co.uk	

General Information		Vessel Picture
Name	MCS Boreas	
Flag	UK	
Year Built	2013	
MMSI	235096501	
Call Sign	2GDR8	
Vessel Contact Details		
Bridge		
Party Chief		
Email	mcsboreas@maritimecraft.co.uk	