

# **Ørsted - East Coast Operational Assets**

## **Notice to Mariners**

**Period of Notice: October 2021**

**Version: Issue 1**

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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: <http://www.kis->

[orca.eu/downloads#.XWUTQUxFwjZ](https://orca.eu/downloads#.XWUTQUxFwjZ). 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.co.uk">rowoffshorec@orsted.co.uk</a>	Ady Woods Phone: 07468 898948 Email: <a href="mailto:firwoods@hotmail.com">firwoods@hotmail.com</a>
Westermost Rough	Phone: 07867 674941 Email: <a href="mailto:wmroffshorec@orsted.co.uk">wmroffshorec@orsted.co.uk</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.co.uk">lincsoffshorec@orsted.co.uk</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.co.uk">HOWoffshoreC@orsted.co.uk</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:

Courtney French  
Email: [CONFR@Orsted.co.uk](mailto:CONFR@Orsted.co.uk)

### 3 Notice to Mariners Summary:

Site	Lighting and Marking Status	Survey	Jack-Up Vessel	Other Works
Race Bank	OK	None	None	Piggyback campaign, Internal Blade Inspections, Rock Placement**.
Westermost Rough	OK	None	Wind Pioneer °*	Main Gearbox Replacement, Rock placement**
Lincs	OK	None	None	Blade repair***, corrosion monitoring system.
Gunfleet Sands	OK	None	Wind Pioneer °*	Corrosion campaign
Hornsea One	H27 & A26 Fog Signal	None	None	None

\* Formal 500m safety zone in place

° Licensable activity

\*\* 500m safety distance requested

\*\*\* 200m 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.

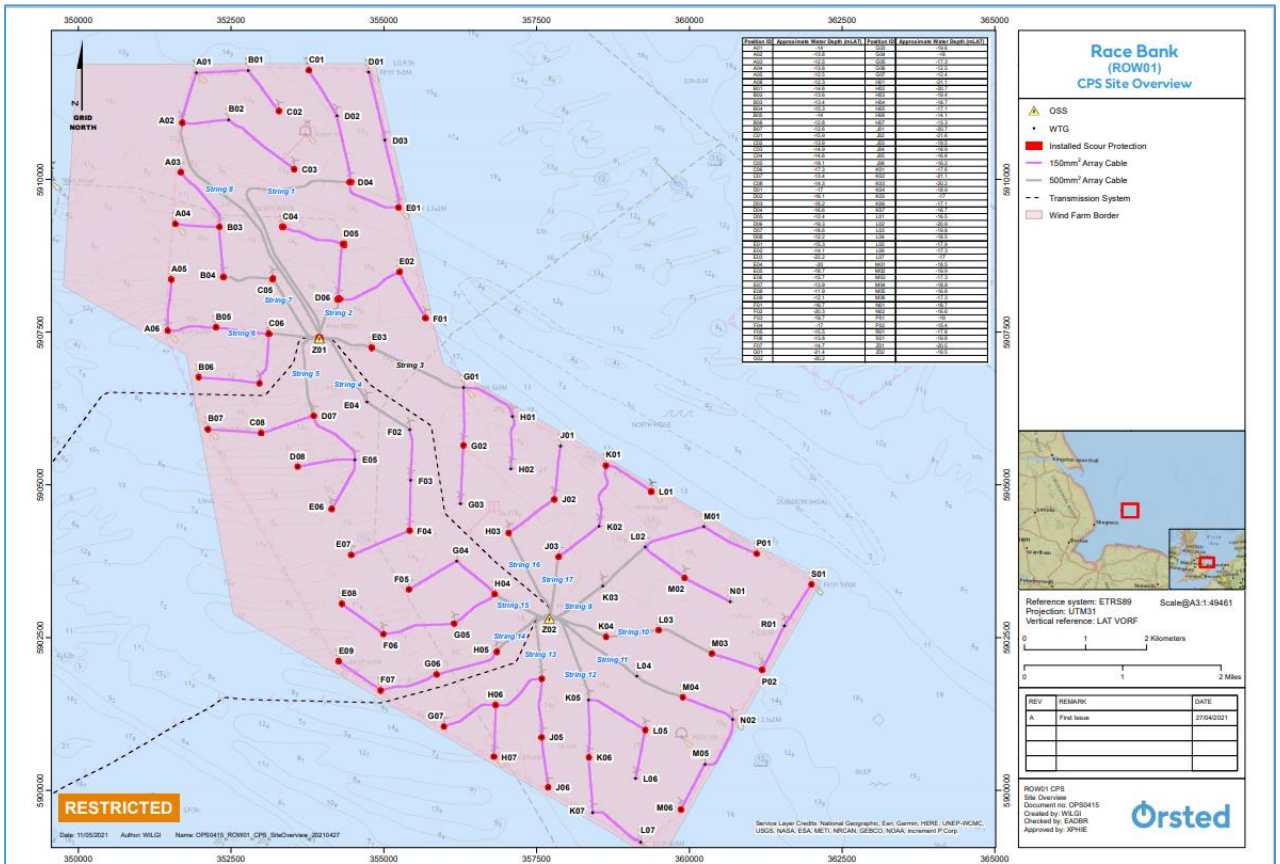
### 4.2 Other Operations

#### 4.2.1 Rock Placement

Towards the end of September, the vessel Bravenes will be placing rocks by use of a fall pipe close to the WTG locations. The scope is anticipated to last around 30 days. A 500m safety zone will be required around the vessel at all times.

#### Vessel information

General Information		Vessel Picture
Name	Bravenes	
Flag	NL	
Year Built	2017	
MMSI Number	244860916	
Call Sign	PDCF	
Vessel Contact Details		
Bridge	+ 4723398649	
Party Chief		
Email	0620.cpt@vanoord.com	



Position ID	Approximate Water Depth (mLAT)	Easting (ETRS89 UTM31N)	Northing (ETRS89 UTM31N)
A01	-14	351929,00	5911744,00
A02	-13,8	351700,00	5910926,00
A03	-12,5	351675,00	5910116,00
A04	-13,8	351586,00	5909271,00
A05	-12,5	351521,00	5908361,00
A06	-12,3	351462,00	5907522,00
B01	-14,6	352779,00	5911780,00
B02	-13,6	352458,00	5910975,00
B03	-13,4	352310,00	5909221,00
B04	-15,3	352372,00	5908403,00
B05	-14	352252,00	5907578,00
B06	-12,8	351967,00	5906765,00
B07	-12,6	352122,00	5905912,00
C01	-15,9	353773,00	5911786,00
C02	-13,9	353285,00	5911117,00
C03	-14,9	353532,00	5910167,00
C04	-14,6	353341,00	5909222,00
C05	-19,1	353183,00	5908375,00
C06	-17,3	353117,00	5907474,00
C07	-13,4	352963,00	5906661,00
C08	-14,3	352989,00	5905847,00
D01	-17	354749,00	5911757,00
D02	-16,1	354231,00	5911043,00
D03	-16,2	355015,00	5910642,00
D04	-16,6	354446,00	5909957,00
D05	-12,4	354336,00	5908940,00
D06	-19,3	354253,00	5908036,00
D07	-18,6	353850,00	5906131,00
D08	-12,2	353590,00	5905297,00
E01	-15,3	355238,00	5909541,00
E02	-14,1	355255,00	5908482,00
E03	-22,2	354803,00	5907244,00
E04	-20	354724,00	5906355,00
E05	-18,7	354522,00	5905410,00
E06	-15,7	354148,00	5904603,00
E07	-13,9	354466,00	5903852,00
E08	-11,9	354312,00	5903055,00
E09	-12,1	354259,00	5902115,00
F01	-16,7	355680,00	5907728,00
F02	-20,3	355421,00	5905905,00
F03	-19,7	355439,00	5905074,00
F04	-17	355420,00	5904249,00
F05	-15,5	355410,00	5903289,00
F06	-13,8	354992,00	5902557,00
F07	-14,7	354946,00	5901636,00
G01	-21,4	356305,00	5906592,00
G02	-20,2	356302,00	5905644,00
G03	-19,6	356253,00	5904688,00
G04	-18	356194,00	5903754,00
G05	-17,3	356151,00	5902731,00
G06	-12,5	355863,00	5901896,00
G07	-12,4	355982,00	5901044,00
H01	-21,1	357106,00	5906118,00
H02	-20,7	357079,00	5905262,00
H03	-19,4	357042,00	5904213,00
H04	-18,7	356812,00	5903211,00
H05	-17,1	356849,00	5902269,00
H06	-14,1	356829,00	5901396,00
H07	-13,3	356798,00	5900550,00
J01	-20,7	357890,00	5905634,00
J02	-21,6	357788,00	5904765,00
J03	-19,5	357862,00	5903824,00
J04	-18,9	357584,00	5901825,00
J05	-16,6	357582,00	5900869,00
J06	-16,2	357688,00	5900048,00
K01	-17,6	358635,00	5905317,00
K02	-21,1	358524,00	5904324,00
K03	-20,2	358585,00	5903344,00
K04	-18,9	358636,00	5902512,00
K05	-17	358352,00	5901478,00
K06	-17,1	358355,00	5900541,00
K07	-16,7	358418,00	5899638,00
L01	-16,5	359378,00	5904888,00
L02	-20,9	359275,00	5903983,00
L03	-19,8	359497,00	5902622,00
L04	-18,5	359139,00	5901867,00
L05	-17,9	359278,00	5900989,00
L06	-17,3	359117,00	5900196,00
L07	-17	359203,00	5899171,00
M01	-18,5	360238,00	5904315,00
M02	-19,9	359922,00	5903477,00
M03	-17,3	360368,00	5902240,00
M04	-18,9	359891,00	5901523,00
M05	-16,8	360255,00	5900428,00
M06	-17,3	359863,00	5899687,00
N01	-18,7	360665,00	5903085,00
N02	-16,6	360708,00	5901162,00
P01	-19	361101,00	5903873,00
P02	-15,4	361191,00	5901971,00
R01	-17,8	361558,00	5902694,00
S01	-19,8	361998,00	5903370,00
Z01	-20,5	353944,00	5907400,00
Z02	-19,5	357709,00	5902812,00



## 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

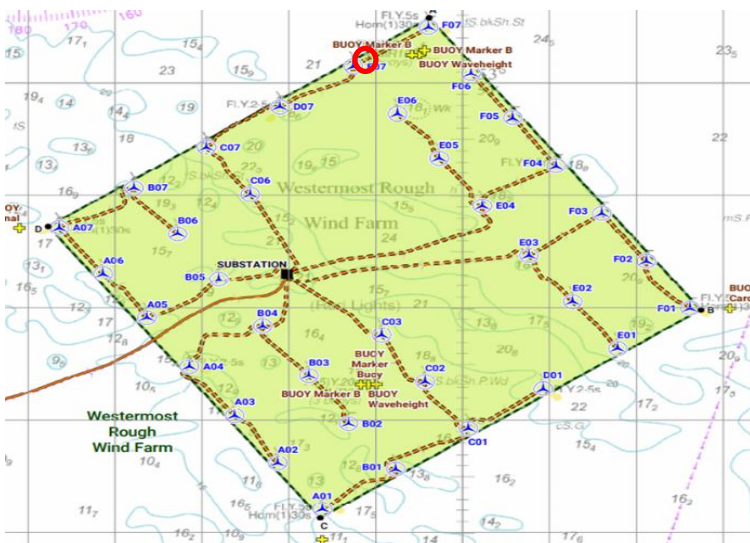
#### 5.1.1 Main Bearing Replacement

The work scope is a Main Bearing Replacement on E07 turbine, it is expected to commence at the beginning of October and will last for approximately 6 days.

Mariners must observe an approved exclusion zone of 500m whenever The Wind Enterprise is attached/ anchored next to E07. A minimum separation distance of 500m is also requested when the vessel is observed manoeuvring into position.

#### Vessel Information

General Information		Vessel Picture
Name	Wind Enterprise	
Flag	Denmark	
Year Built	2011	
IMO/MMSI	219370000	
Call Sign	OZTU2	
Vessel Contact Details		
Bridge	+45 21 82 21 80	
Party Chief	WIP Master	
Email	master.windenterprise@ziton.eu	




**Coordinates**

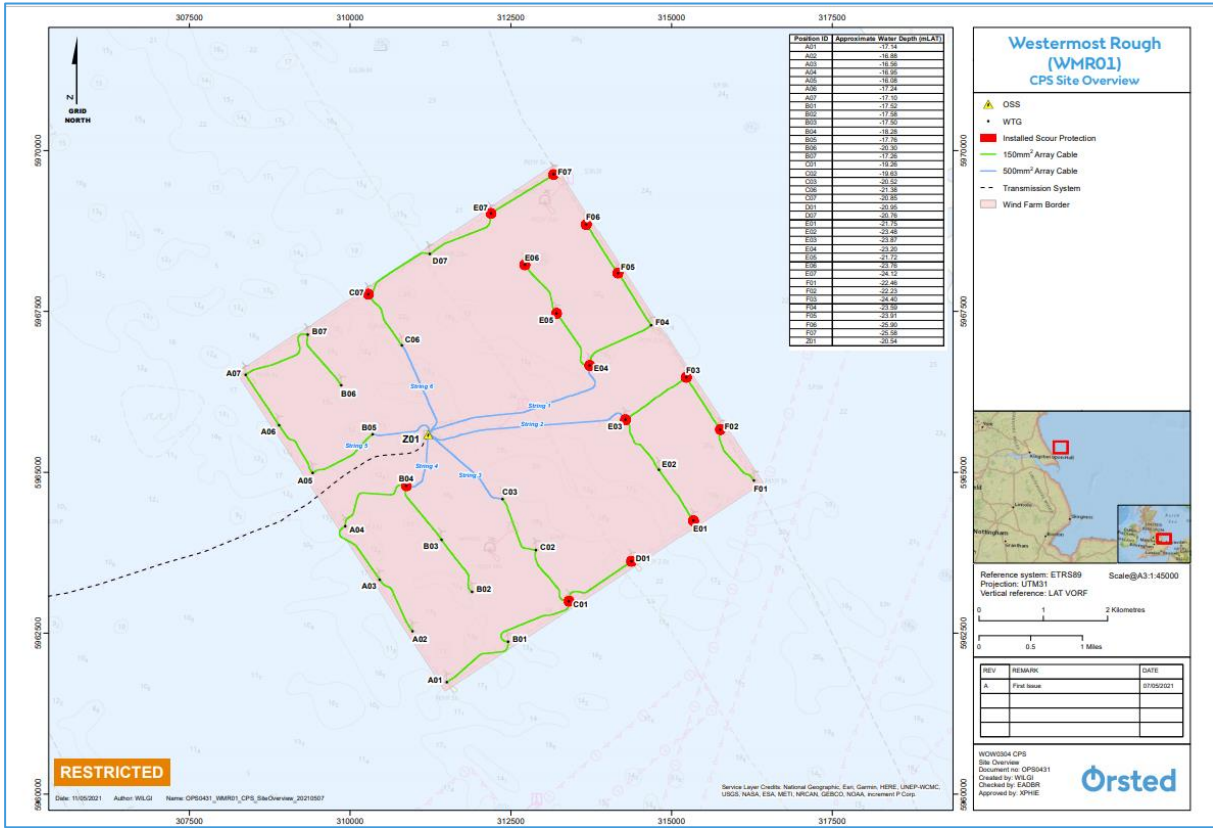
TURBINE ID	WGS84 (Deg, decimal Minutes)	
	LONGITUDE	LATITUDE
E07	000° 08.74459922' E	53° 50.14413601' N

**5.1.2 Rock Placement**

Towards the middle of October the vessel Bravenes will be placing rocks by use of a fall pipe close to the WTG locations. The scope is anticipated to last around 30 days. A 500m safety zone will be required around the vessel at all times.

**Vessel information**

General Information		Vessel Picture
<b>Name</b>	Bravenes	
<b>Flag</b>	NL	
<b>Year Built</b>	2017	
<b>MMSI Number</b>	244860916	
<b>Call Sign</b>	PDCF	
Vessel Contact Details		
<b>Bridge</b>	+ 4723398649	
<b>Party Chief</b>		
<b>Email</b>	0620.cpt@vanoord.com	



**RESTRICTED**

Date: 11/09/2021 Author: WJLJ Name: CPS0431\_WMR01\_CPS\_SiteOverview\_20210907

Service Layer Credits: National Geographic, Esri, Garmin, HERE, UNEP-WCMC, USGS, NASA, ESA, METI, NRCAN, GEBCO, NOAA, increment P Corp.

**Westermost Rough (WMR01) CPS Site Overview**

- ▲ ODS
- WTG
- Installed Scour Protection
- 150mm<sup>2</sup> Array Cable
- 500mm<sup>2</sup> Array Cable
- - Transmission System
- Wind Farm Border



Reference system: ETRS89 Scale@A3:1:45000  
 Projection: UTM31  
 Vertical reference: LAT VORF

0 1 2 Kilometres  
 0 0.5 1 Miles

REV	REMARK	DATE
A	First Issue	07/09/2021

WMR01004 CPS Site Overview  
 Document no: CPS0431  
 Created by: WJLJ  
 Checked by: EASBR  
 Approved by: XPHIE



Position ID	Approximate Water Depth (mLAT)	Easting (ETRS89 UTM31N)	Northing (ETRS89 UTM31N)
A01	-17,14	311505,64	5961740,98
A02	-16,88	310972,58	5962530,74
A03	-16,56	310461,58	5963332,32
A04	-16,95	309922,89	5964163,25
A05	-16,08	309418,56	5964989,14
A06	-17,24	308894,14	5965733,19
A07	-17,10	308374,70	5966515,52
B01	-17,52	312460,17	5962366,29
B02	-17,58	311897,21	5963141,10
B03	-17,50	311423,32	5963950,54
B04	-18,28	310874,94	5964789,35
B05	-17,76	310353,53	5965589,78
B06	-20,30	309862,45	5966351,73
B07	-17,26	309343,91	5967138,07
C01	-19,26	313403,20	5962997,55
C02	-19,63	312889,73	5963793,06
C03	-20,52	312371,49	5964585,30
C06	-21,38	310806,79	5966972,28
C07	-20,85	310285,04	5967767,73
D01	-20,95	314374,33	5963617,79
D07	-20,76	311239,64	5968394,31
E01	-21,75	315339,77	5964248,36
E02	-23,48	314803,79	5965039,98
E03	-23,87	314281,96	5965819,88
E04	-23,20	313727,29	5966659,30
E05	-21,72	313210,82	5967470,15
E06	-23,76	312716,87	5968223,95
E07	-24,12	312192,23	5969023,34
F01	-22,46	316280,10	5964871,04
F02	-22,23	315758,62	5965667,28
F03	-24,40	315227,98	5966475,89
F04	-23,59	314681,81	5967285,33
F05	-23,91	314166,28	5968096,18
F06	-25,90	313671,74	5968850,43
F07	-25,58	313165,30	5969629,82
Z01	-20,54	311213,09	5965588,52

## 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

#### 6.2.1 Lincs Anode

Installation of LIC LS39 internal Anode (Basement Activity) for 1 week, starting 23rs Sept.

General Information		Vessel Picture
Name	Honor Mhari	
Flag	UK	
Year Built		
MMSI Number	235102035	
Call Sign	2HAM2	
Vessel Contact Details		
Bridge	+44 7946 389981	
Party Chief		
Email	honormhari@tidal-transit.com	



## **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 Internal corrosion protection**

We will conduct a corrosion protection campaign and is expected to be complete at the end of October. All locations will be visited.

Vessel Information

General Information		Vessel Picture
Name	CWind Adventure	
Flag	UK	
Year Built	2013	
MMSI Number	235097139	
Call Sign	2GGG9	
Vessel Contact Details		
Bridge	07508452177	
Party Chief		
Email	<a href="mailto:Adventure@cwind.global">Adventure@cwind.global</a>	

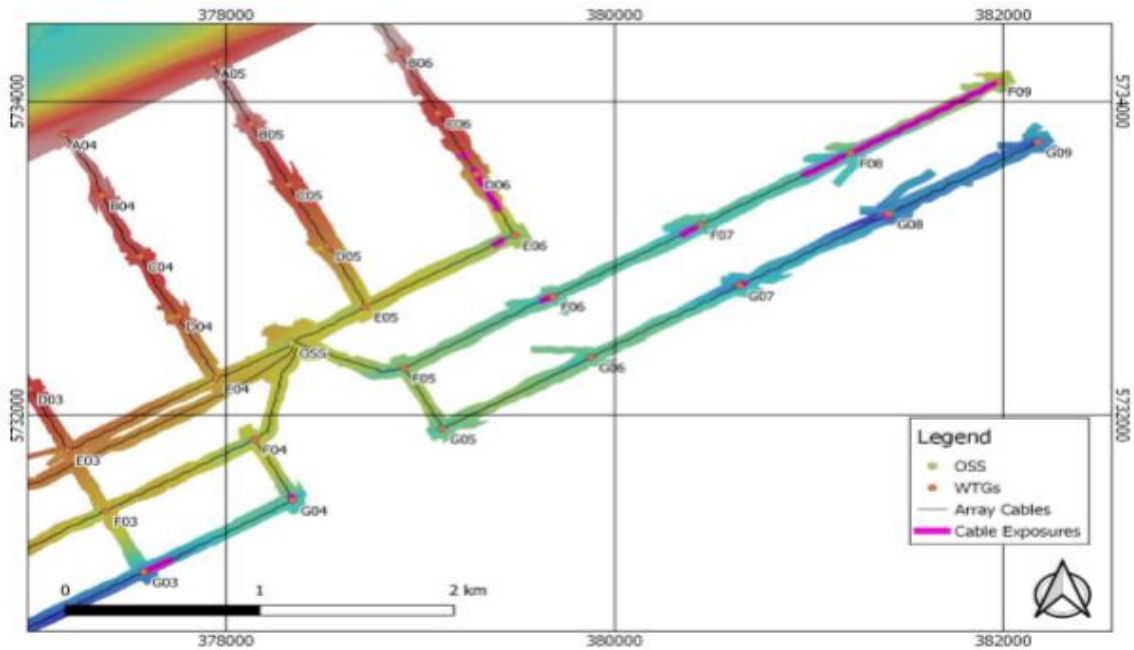
General Information		Vessel Picture
Name	CWind Challenger	
Flag	UK	
Year Built	2013	
MMSI Number	235099967	
Call Sign	2GRU4	
Vessel Contact Details		
Bridge	07944639671	
Party Chief		
Email	<a href="mailto:challenger@cwind.global">challenger@cwind.global</a>	

7.2.2 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 & A26 Foghorns are currently inoperative.

### **8.2 Other Operations**

#### **INTRODUCTION**

Mariners are advised that Ørsted will undertake an offshore service of a Measurement Buoy in the Hornsea 1 Offshore Wind Farm.

#### **AREA OF OPERATIONS**

The device is currently located within the Offshore Wind Farm limits with coordinates provided below.

Hornsea 1 Wind Farm – 53° 50.203' N, 001° 49.253' E

#### **PROPOSED ACTIVITIES**

Mariners should note that an emergency service of the Measurement Buoy is scheduled for 9 and 10<sup>th</sup> of September. An example image of a Measurement Buoy is shown in the figure below as well as the vessel details.

A local assessment of the buoy damage (suspected vessel collision) will be done in-situ and a decision will be made on a site repair or buoy and mooring recovery to shore.

#### **AIDS TO NAVIGATION**

Navigational light and radar reflector have been damaged and assumed inoperative at his time.

#### **IMMEDIATE CONTACTS**

Enquiries regarding the contents of this Notice to Mariners or any other matters should be directed to:

Measurement Engineer, Measurement Department (Ørsted)

(Office hours only)

Vasco Nunes

Tel: +44 78 2 7566175

E-mail: [VASNU@orsted.co.uk](mailto:VASNU@orsted.co.uk)

Measurement Manager, Measurement Department (Ørsted)

(Office hours only)

Solveig Holberg Nilsen

Tel: +45 99 55 86 38

E-mail: [SOLHO@orsted.dk](mailto:SOLHO@orsted.dk)

#### **VESSEL DETAILS**

Vessel: Voe Vanguard

Vessel telephone M: +44 7766 798 481 S: +881 631 448 600 T: +44 1595 922 073

Vessel email: [voevanguard@deltamarine.scot](mailto:voevanguard@deltamarine.scot)  
Call Sign: MBEN9  
MMSI: 232008636

**MEASUREMENT BUOY**

