

# **Ørsted - East Coast Operational Assets**

## **Notice to Mariners**

**Period of Notice: April 2023**

**Version: 3**

# Table of Contents

1	Introduction .....	3
1.1	Subsea Cables.....	4
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	Below water inspections.....	7
5	Westermost Rough – Notice to Mariners .....	9
5.1	Lighting and Marking Status.....	9
5.2	Other Operations.....	9
5.2.1	Blade LEP campaign.....	9
5.2.2	Below water inspections.....	10
6	Lincs – Notice to Mariners.....	12
6.1	Lighting and Marking Status.....	12
6.2	Other Operations.....	12
6.2.1	Below water inspections.....	12
6.2.2	Below water inspections.....	13
7	Gunfleet Sands – Notice to Mariners .....	14
7.1	Lighting and Marking Status.....	14
7.2	Other Operations.....	14
7.2.1	Statutory Inspections Above Water.....	14
7.2.2	GFS LEP Campaign.....	15
7.2.3	GFS EBI Drone Inspections .....	15
7.3	Cable exposure .....	15
8	Hornsea One – Notice to Mariners.....	16
8.1	Lighting and Marking Status.....	16

8.2	Other Operations.....	18
9	Hornsea Two – Notice to Mariners.....	19
9.1	Lighting and Marking Status.....	19
9.2	Other Operations.....	19
9.2.1	TMO Offshore Substation and RCS works .....	19
9.2.1	Below water inspections.....	20

## 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
- Hornsea Two

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:

Lee Thompson  
Email: [LEETH@orsted.com](mailto:LEETH@orsted.com)

### 3 Notice to Mariners Summary:

Site	Lighting and Marking Status	Survey	Jack-Up Vessel	Other Works
Race Bank	OK	None	None	Below water inspections***
Westermost Rough	OK	None	None	Blade LEP***, Below water inspections**
Lincs	OK	None	None	Below water inspections** Oil exchange
Gunfleet Sands	OK	None	None	WTG inspections. Blade LEP***
Hornsea One	OK	None	None	None
Hornsea Two	T29 – Fog signal constantly sounding Nav Lights potentially inactive Temp lights to replace (7 <sup>th</sup> -13 <sup>th</sup> April) Fog Horns inoperative (7 <sup>th</sup> -13 <sup>th</sup> April)	None	None	Below water inspections**

- \* Formal 500m safety zone in place
- ° Licensable activity
- \*\* 500m safety distance requested
- \*\*\* 100m 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

Nothing planned.

#### 4.2.1 Below water inspections

The vessel Curtis Marshall is undertaking below water inspections at Westermost Rough, Hornsea 2, Racebank and Lincs windfarms. The inspections will be carried out by ROV and diving operations. Mariners are advised that a safe distance of 500m is required whilst divers are in the water. Buoys will be placed in the water to identify whilst diving operations are underway.

The planned dates are shown below, however dates are subject to change –

Hornsea 2 – 3rd April -17<sup>th</sup> April

Westermost Rough – 17<sup>th</sup> April to 7<sup>th</sup> May


Racebank – 7<sup>th</sup> May to 27<sup>th</sup> May

Lincs – 27<sup>th</sup> May to 10<sup>th</sup> June

Locations

<b>ROW01</b>		
<b>ID</b>	WGS84 (Deg, decimal Minutes)	
	<b>LONGITUDE</b>	<b>LATITUDE</b>
<b>A02</b>	000° 46.39246873' E	53° 19.60211918' N
<b>A06</b>	000° 46.27385363' E	53° 17.76367980' N
<b>B04</b>	000° 47.06811240' E	53° 18.25361035' N
<b>B05</b>	000° 46.98256021' E	53° 17.80719695' N
<b>B07</b>	000° 46.91275421' E	53° 16.90710905' N
<b>C06</b>	000° 47.76375163' E	53° 17.76551653' N
<b>D05</b>	000° 48.82012878' E	53° 18.57565677' N
<b>D06</b>	000° 48.77004175' E	53° 18.08704817' N
<b>E09</b>	000° 48.93852646' E	53° 14.89596701' N
<b>F06</b>	000° 49.58502941' E	53° 15.14631826' N
<b>G04</b>	000° 50.63256729' E	53° 15.81100077' N
<b>G06</b>	000° 50.38632136' E	53° 14.80419226' N

<b>J04</b>	000° 51.93423211' E	53° 14.79411505' N
<b>K05</b>	000° 52.63349150' E	53° 14.61948155' N
<b>L03</b>	000° 53.63247634' E	53° 15.25408489' N
<b>M03</b>	000° 54.42481079' E	53° 15.06218910' N
<b>N02</b>	000° 54.75884544' E	53° 14.48642004' N
<b>P02</b>	000° 55.17151347' E	53° 14.93026804' N

General Information		Vessel Picture
<b>Name</b>	Curtis Marshall	
<b>Flag</b>	UK	
<b>Year Built</b>	2015	
<b>MMSI Number</b>	235107219	
<b>Call Sign</b>	SHWN3	
Vessel Contact Details		
<b>Bridge</b>		
<b>Party Chief</b>		
<b>Email</b>	info@bmarshallmarine.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

#### 5.2.1 Blade LEP campaign

In mid-April we are starting an LEP campaign which we anticipate will take between 3-4 months. The SOV CF Explorer and with CTV will support the project. The work scope involves rope access technicians. When the technicians are on the ropes, we will require a 100m exclusion zone.

#### Vessel Information

General Information		Vessel Picture
<b>Name</b>	CF EXPLORER	
<b>Flag</b>	Cyprus	
<b>Year Built</b>	2008	
<b>MMSI Number</b>	209816000	
<b>Call Sign</b>	5BKK5	
Vessel Contact Details		
<b>Bridge</b>	+31686489927	
<b>Party Chief</b>	master.cfexplorer@tsmvessel.com	
<b>Email</b>	master.cfexplorer@tsmvessel.com	

General Information		Vessel Picture
<b>Name</b>	Iceni Warrior	
<b>Flag</b>	UK	
<b>Year Built</b>	2010	
<b>MMSI Number</b>	235087484	
<b>Call Sign</b>	2ERD5	
Vessel Contact Details		
<b>Bridge</b>	+44 7809 727 397	

<b>Party Chief</b>		
<b>Email</b>	warrior@turnericensi.com	

### 5.2.2 Below water inspections


The vessel Curtis Marshall is undertaking below water inspections at Westermost Rough, Hornsea 2, Racebank and Lincs windfarms. The inspections will be carried out by ROV and diving operations. Mariners are advised that a safe distance of 500m is required whilst divers are in the water. Buoys will be placed in the water to identify whilst diving operations are underway.

The planned dates are shown below, however dates are subject to change –

Hornsea 2 – 3rd April -17<sup>th</sup> April  
 Westermost Rough – 17<sup>th</sup> April to 7<sup>th</sup> May  
 Racebank – 7<sup>th</sup> May to 27<sup>th</sup> May  
 Lincs – 27<sup>th</sup> May to 10<sup>th</sup> June

Locations

<b>WMR01</b>		
<b>ID</b>	WGS84 (Deg, decimal Minutes)	
	<b>LONGITUDE</b>	<b>LATITUDE</b>
<b>A03</b>	000° 07.37885722' E	53° 47.04119733' N
<b>A04</b>	000° 06.85818950' E	53° 47.47696658' N
<b>B04</b>	000° 07.70116565' E	53° 47.83499605' N
<b>C01</b>	000° 10.06644598' E	53° 46.92462112' N
<b>C02</b>	000° 09.57049861' E	53° 47.34205597' N
<b>D07</b>	000° 07.90033622' E	53° 49.78462890' N
<b>F07</b>	000° 09.60859260' E	53° 50.49184716' N

General Information		Vessel Picture
<b>Name</b>	Curtis Marshall	
<b>Flag</b>	UK	
<b>Year Built</b>	2015	
<b>MMSI Number</b>	235107219	
<b>Call Sign</b>	SHWN3	
Vessel Contact Details		
<b>Bridge</b>		
<b>Party Chief</b>		
<b>Email</b>	info@bmarshallmarine.co.uk	

## 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 Below water inspections

The vessel Curtis Marshall is undertaking below water inspections at Westermost Rough, Hornsea 2, Racebank and Lincs windfarms. The inspections will be carried out by ROV and diving operations. Mariners are advised that a safe distance of 500m is required whilst divers are in the water. Buoys will be placed in the water to identify whilst diving operations are underway.

The planned dates are shown below, however dates are subject to change –

Hornsea 2 – 3rd April -17<sup>th</sup> April


Westermost Rough – 17<sup>th</sup> April to 7<sup>th</sup> May

Racebank – 7<sup>th</sup> May to 27<sup>th</sup> May

Lincs – 27<sup>th</sup> May to 10<sup>th</sup> June

#### Locations

<b>LIC01</b>		
<b>ID</b>	WGS84 (Deg, decimal Minutes)	
	<b>LONGITUDE</b>	<b>LATITUDE</b>
<b>LS49</b>	000° 30.19540736' E	53° 09.12686464' N
<b>LS51</b>	000° 30.18309978' E	53° 08.36483805' N
<b>LS44</b>	000° 30.22573833' E	53° 11.01627043' N
<b>LS45</b>	000° 30.21984534' E	53° 10.63850150' N
<b>LS66</b>	000° 31.04737522' E	53° 10.11685148' N
<b>LS38</b>	000° 29.81422658' E	53° 13.25407838' N
<b>LS53</b>	000° 30.14917186' E	53° 14.51056753' N
<b>LS54</b>	000° 30.29313320' E	53° 14.16938999' N
<b>LS03</b>	000° 27.86626870' E	53° 13.77233327' N
<b>LS18</b>	000° 28.84003737' E	53° 13.51083924' N
<b>LS06</b>	000° 28.48706290' E	53° 12.29867449' N
<b>LS08</b>	000° 28.60398324' E	53° 11.53237203' N
<b>LS20</b>	000° 29.14500121' E	53° 12.78627019' N
<b>LS09</b>	000° 28.57553167' E	53° 10.99227302' N
<b>LS26</b>	000° 29.37666510' E	53° 10.19241312' N
<b>LS27</b>	000° 29.36436664' E	53° 09.81882249' N
<b>LS74</b>	000° 28.73796525' E	53° 07.99340828' N
<b>LS75</b>	000° 28.75361655' E	53° 07.72614788' N

General Information		Vessel Picture
Name	Curtis Marshall	
Flag	UK	
Year Built	2015	
MMSI Number	235107219	
Call Sign	SHWN3	
Vessel Contact Details		
Bridge		
Party Chief		
Email	<a href="mailto:info@bmarshallmarine.co.uk">info@bmarshallmarine.co.uk</a>	

### 6.2.2 Below water inspections

On the 1<sup>st</sup> May, the vessel Spectrum 3 will be on site conducting an oil exchange. All 75 locations will be visited with the scope anticipated on taking just over 3 months.

### Vessel information

General Information		Vessel Picture
Name	Spectrum 3	
Flag	UK	
Year Built	2016	
MMSI Number	235082698	
Call Sign	2DXB6	
Vessel Contact Details		
Bridge	07962054550	
Party Chief		
Email	<a href="mailto:Spectrum3@spectrum-offshore.com">Spectrum3@spectrum-offshore.com</a>	

## 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 Statutory Inspections Above Water

From the 1<sup>st</sup> February the vessel Commander P will be on site completing WTG inspections, the scope is anticipated to take until the end of March.

#### Vessel information

General Information		Vessel Picture
<b>Name</b>	Commander P	
<b>Flag</b>	UK	
<b>Year Built</b>		
<b>MMSI</b>	235097748	
<b>Call Sign</b>	2GIU6	
<b>Vessel Contact Details</b>		
<b>Bridge</b>	07807007849	
<b>Party Chief</b>		
<b>Email</b>	commanderp@offshoreturbineservices.co.uk	

### 7.2.2 GFS LEP Campaign

Start date: 14<sup>th</sup> April 2023

Duration of work scope: 110 days

Description of work: Rope Access Blade Maintenance Blade Repair across all 48 WTGs at Gunfleet Sands

Safety zone required. 100m exclusion zone around the WTG on Gunfleet Offshore windfarm

#### Vessel Information

General Information		Vessel Picture
Name	NSL DISCOVERY	
Flag	UK	
Year Built	2012	
MMSI	235096731	
Call Sign	2GEQ9	
Vessel Contact Details		
Bridge	TBC	
Party Chief	TBC	
Email	discovery@northsealogistics.co.uk	

### 7.2.3 GFS EBI Drone Inspections

Start date: 4<sup>th</sup> April 2023

Duration of work scope:

Description of work: Drone blade inspections to be carried out from Site and LEP campaign CTVs (Above) across all 48 WTGs at Gunfleet Sands.

Safety zone required. 100m exclusion zone around the WTG on Gunfleet Offshore windfarm

## 7.3 Cable exposure

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

WGS84 Degrees, decimal Minutes						
ID	ArrayCableID	Length_m	StartCoord_Longitude	StartCoord_Latitude	EndCoord_Longitude	EndCoord_Latitude
GFS_MBES_TO_01-UnidentifiedOther	F08-F09	13.4	1° 17.383' E	51° 44.721' N	1° 17.396' E	51° 44.723' N
GFS_MBES_TO_02-CableExposure	F08-F09	790.93	1° 16.787' E	51° 44.486' N	1° 17.376' E	51° 44.718' N
GFS_MBES_TO_03-CableExposure	F07-F08	533.19	1° 16.562' E	51° 44.401' N	1° 16.726' E	51° 44.466' N
GFS_MBES_TO_04-CableExposure	F06-F07	25.25	1° 16.059' E	51° 44.203' N	1° 16.075' E	51° 44.210' N

## 8 Hornsea One – Notice to Mariners

### 8.1 Lighting and Marking Status

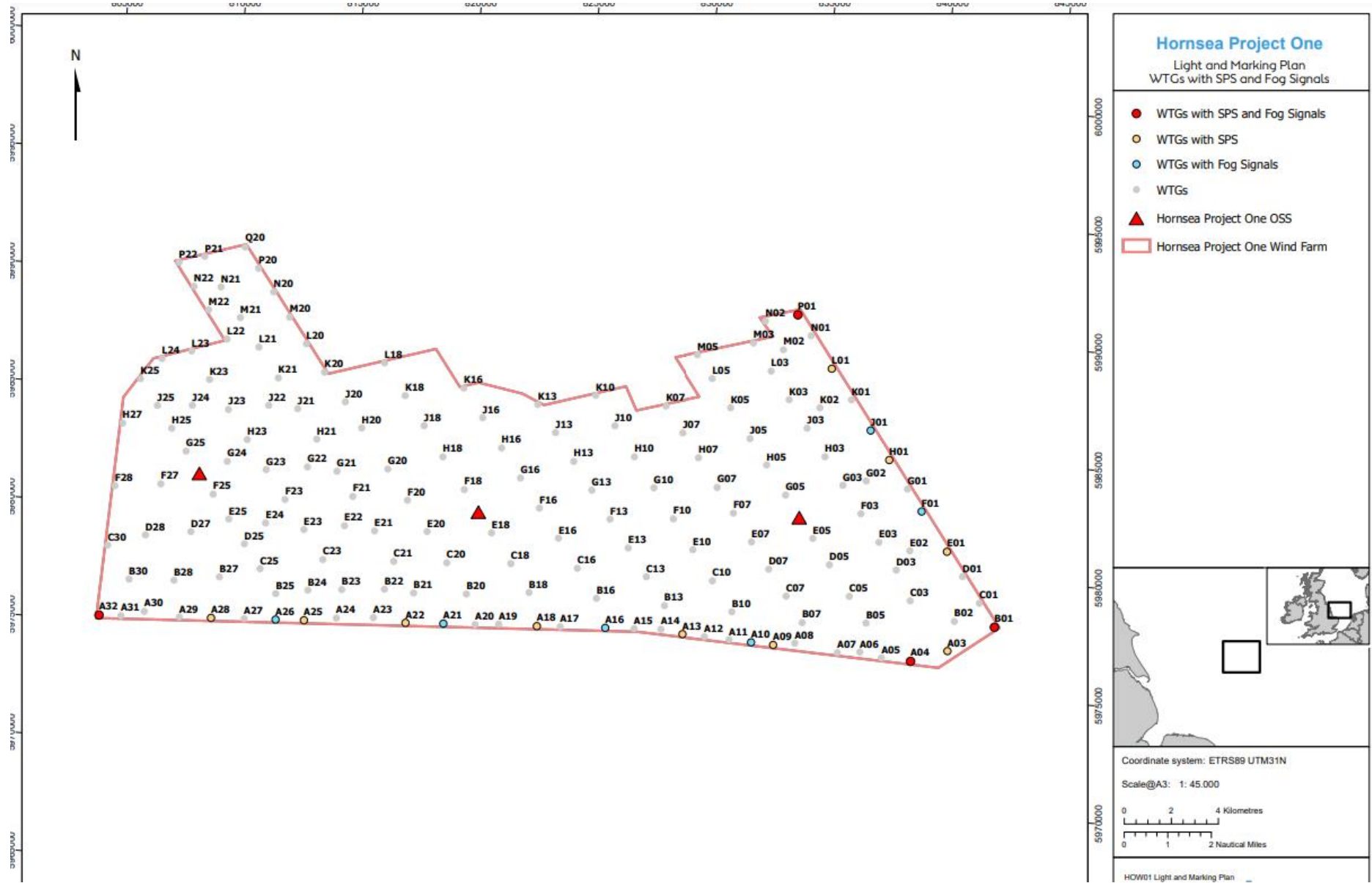
The lighting and/ or navigational warning systems are currently operational. No planned outages

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)

Turbine	Marine Navigation Lights	Foghorns
K25	X	
Q20	X	X
C30	X	X
H27	X	X
P22	X	X
L20		X
K16		X
K10		X
M05		X





## **8.2 Other Operations**

Nothing planned.

## 9 Hornsea Two – Notice to Mariners

### 9.1 Lighting and Marking Status

T29 fog signal is constantly sounding, this will be investigated at the earliest opportunity.

Planned Outage on HOW02 between the 7<sup>th</sup> and 13<sup>th</sup> of April, could result in some temporary loss of Nav Lights, Temporary lights are planned to be installed. Fog horns will be inoperable for periods of the Outage.


### 9.2 Other Operations

#### 9.2.1 TMO Offshore Substation and RCS works


Start date: 6<sup>th</sup> April 2023 for both SOVs

Duration of work scope: up to 30 days excluding weather days for both SOVs

Description of work: Deep Cygnus to operate at HB-Z11 Offshore Substation at HOW02, transfer teams to and from the Substation.

General Information		Vessel Picture
<b>Name</b>	Deep Cygnus	
<b>Flag</b>	Norway	
<b>Year Built</b>	2009	
<b>MMSI</b>	257205000	
<b>Call Sign</b>	LACV8	
Vessel Contact Details		
<b>Bridge</b>		
<b>Party Chief</b>		
<b>Email</b>		

Description of work: Notus to operate at HB-Z01 RCS at HOW02, transfer teams to and from the Substation.

General Information		Vessel Picture
<b>Name</b>	Notus	
<b>Flag</b>	Denmark	
<b>Year Built</b>	1999	
<b>MMSI</b>	219812000	
<b>Call Sign</b>	OXDR2	
Vessel Contact Details		
<b>Bridge</b>		
<b>Party Chief</b>		
<b>Email</b>		

### 9.2.1 Below water inspections

The vessel Curtis Marshall is undertaking below water inspections at Westermost Rough, Hornsea 2, Racebank and Lincs windfarms. The inspections will be carried out by ROV and diving operations. Mariners are advised that a safe distance of 500m is required whilst divers are in the water. Buoys will be placed in the water to identify whilst diving operations are underway.


The planned dates are shown below, however dates are subject to change –

Hornsea 2 – 3rd April -17<sup>th</sup> April  
 Westermost Rough – 17<sup>th</sup> April to 7<sup>th</sup> May  
 Racebank – 7<sup>th</sup> May to 27<sup>th</sup> May  
 Lincs – 27<sup>th</sup> May to 10<sup>th</sup> June

Locations

HOW02		
ID	WGS84 (Deg, decimal Minutes)	
	LONGITUDE	LATITUDE
A35	1° 35' 38.774" E	53° 50' 10.691" N
A37	1° 32' 51.300" E	53° 50' 11.208" N
A39	1° 30' 10.393" E	53° 50' 11.644" N
B34	1° 36' 21.475" E	53° 50' 45.917" N
F31	1° 36' 23.015" E	53° 53' 19.654" N
F36	1° 31' 2.021" E	53° 53' 5.936" N
H31	1° 34' 39.604" E	53° 54' 52.656" N
H37	1° 28' 6.654" E	53° 54' 26.729" N
L33	1° 31' 40.802" E	53° 56' 8.350" N

M24	1° 40' 45.114" E	53° 56' 34.784" N
M31	1° 31' 54.019" E	53° 57' 21.279" N
N35	1° 27' 15.289" E	53° 57' 42.582" N
P13	1° 53' 6.341" E	53° 57' 43.849" N
P27	1° 35' 11.471" E	53° 58' 44.648" N
Q05	2° 0' 9.715" E	53° 58' 7.107" N
Q16	1° 49' 32.934" E	53° 58' 41.824" N
R20	1° 44' 0.321" E	53° 59' 10.892" N
S03	2° 1' 46.296" E	53° 58' 43.592" N
S11	1° 53' 39.979" E	53° 59' 9.818" N
S30	1° 30' 8.867" E	54° 0' 1.305" N
Z11	001.630687°E	53.939408°N
Z01	000.932264°E	53.633372°N

General Information		Vessel Picture
<b>Name</b>	Curtis Marshall	
<b>Flag</b>	UK	
<b>Year Built</b>	2015	
<b>MMSI Number</b>	235107219	
<b>Call Sign</b>	SHWN3	
<b>Vessel Contact Details</b>		
<b>Bridge</b>		
<b>Party Chief</b>		
<b>Email</b>	info@bmarshallmarine.co.uk	