

# NOTICE TO MARINERS



## DOGGER BANK OFFSHORE WIND FARM

DATE OF ISSUE:	09/02/2024
NOTICE TO MARINER NUMBER	LF500013-MIP-DOG-NOT-0027 Rev0003

### Dogger Bank A & B Array Area MBES Surveying

LOCATION DESCRIPTION		Dogger Bank A & B Offshore Windfarms
COORDINATES WGS 84	DBA Array	See Table 1 below
COORDINATES WGS 84	DBB Array	See Table 2 below
Start Date of survey works		13/11/2023

### Description of Hazard/Operation

The Dogger Bank OWF project will be carrying out an MBES geophysical survey within Dogger Bank A (**DBA**) and Dogger Bank B (**DBB**) Array Areas using remotely piloted uncrewed surface vessels (**USVs**).

The **USVs** will be mobilised from Scarborough Harbour where each **USV** will be escorted out of the harbour limits, before transiting to the survey area. Survey Operations will be continuous 24hrs a day. Although vessels are uncrewed, they are managed remotely continuously using 360-degree cameras and other sensors.

The works will commence on the 13<sup>th</sup> of November 2023, continuing until 01<sup>st</sup> March 2024 when all locations have been surveyed. The works will be continuous, 24 hours a day. A chart of the **DBA / DBB** Array Areas and bounding coordinates is provided below.

It is requested that all vessels maintain a minimum of 500m separation distance from the **USVs** and pass at reduced speed.


### Contact Details

Marine Coordination Contact	Duty Marine Coordinator Tel: +44 (0) 7586 332078 <a href="mailto:gm_dbmcc@equinor.com">gm_dbmcc@equinor.com</a>
Fisheries Liaison Officer (FLO) CONTACT	Alex Winrow-Giffin, Brown & May Marine Ltd <a href="mailto:Alex@brownmay.com">Alex@brownmay.com</a> Tel: 01379 870181 Mob: 07760 160039 Zoë Lawrence - Brown & May Marine Ltd <a href="mailto:zoe@brownmay.com">zoe@brownmay.com</a> Mob: 07923 138175
X-Ocean Contacts	Name: USV Supervisor (24/7) e-mail: <a href="mailto:usv.supervisor@xocean.com">usv.supervisor@xocean.com</a> mobile: +353 1 223 9950  Name: Mark Baguley e-mail: <a href="mailto:mark.baguley@xocean.com">mark.baguley@xocean.com</a> mobile: +44 7918 298260

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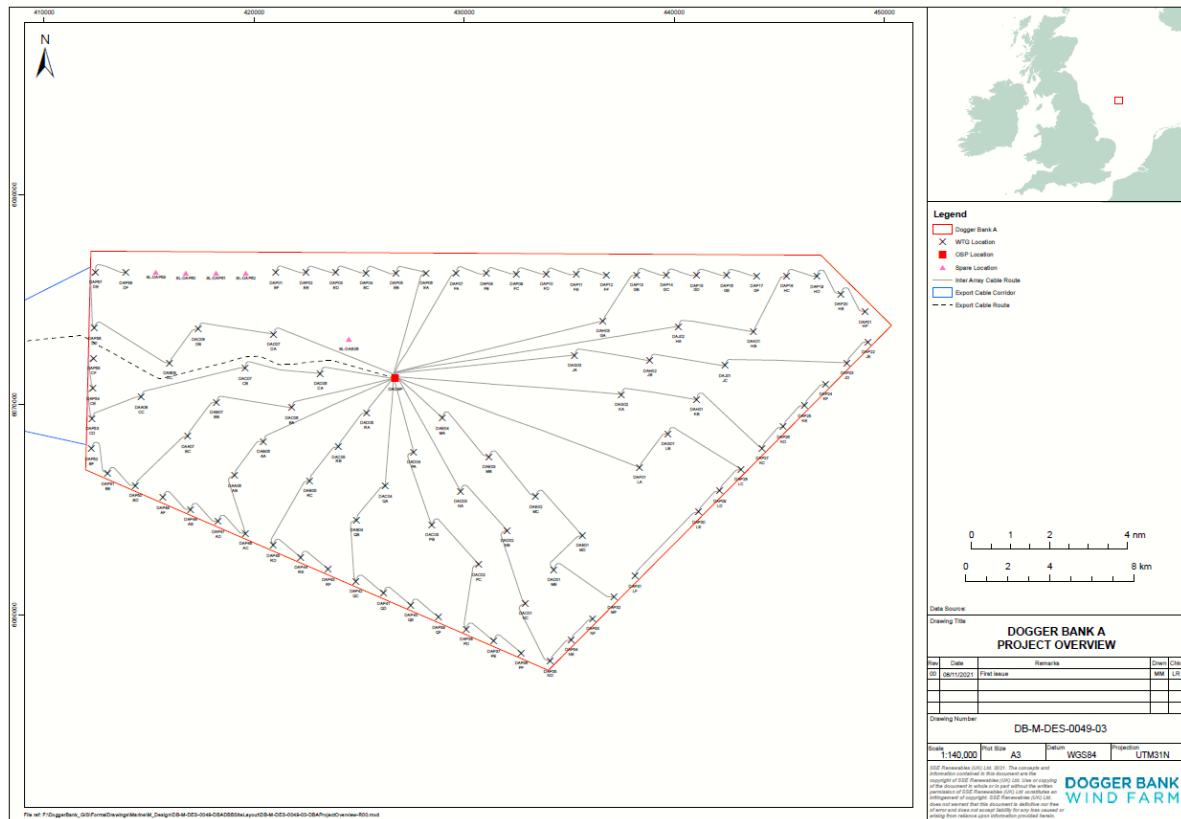
# DOGGER BANK WIND FARM

## Supporting Information

Vessel Name – X-04 / X-09 / X-16 / X-17 / X-19 / X-22 / X-23	Vessel Contact Details	
	X-04 Uncrewed	
	Call Sign	MFWS5
	MMSI	232023832
	X-09 Uncrewed	
	Call Sign	MHIJ8
	MMSI	232027632
	X-16 Uncrewed	
	Call Sign	MKMB2
	MMSI	232039413
	X-17 Uncrewed	
	Call Sign	MKMB4
	MMSI	232039414
	X-19 Uncrewed	
	Call Sign	MKMB8
	MMSI	232039416
	X-22	
	Call Sign	MMIM7
MMSI	232044014	
X-23		
Call Sign	MMIM8	
MMSI	232044015	
<b>Vessel Details</b>		
Length	4.5m	
Breadth	2.5m	
Draft	1.5m	
<b>Other Information</b>		
<p>The USV sends real time images and situational awareness data via satellite to a team of operators keeping watch and controlling the vessel remotely 24/7</p>		
<p>The USV is equipped with the following to make it conspicuous to other marine traffic:</p> <ul style="list-style-type: none"> <li>AIS</li> <li>Navigational lights and sound signal</li> <li>Active RADAR reflector</li> <li>Superstructure painted yellow</li> </ul>		

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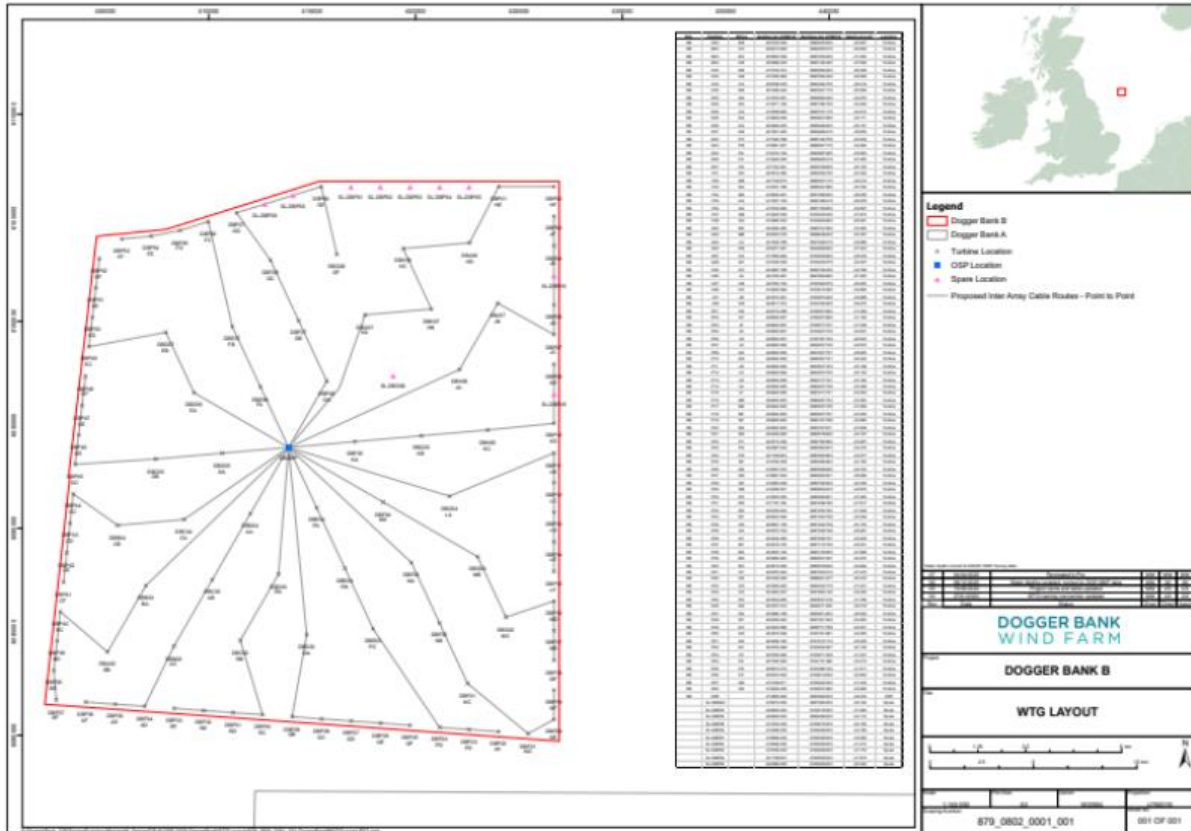
**Figure 1:** Dogger Bank A Array Area

**Table 1:** Dogger Bank A Array Area Bounding Coordinates

Latitude (WGS 84)	Longitude (WGS 84)
54° 50.526'N	001° 37.141'E
54° 50.630'N	002° 10.286'E
54° 48.815'N	002° 14.689'E
54° 39.162'N	001° 58.695'E
54° 44.216'N	001° 37.550'E

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**Figure 2:** Dogger Bank B Array Area

**Table 2 :** Dogger Bank B Array Area Bounding Coordinates

Latitude (WGS 84)	Longitude (WGS 84)
55° 05.756'N	001° 25.694'E
55° 07.631'N	001° 40.049'E
55° 07.767'N	001° 53.890'E
54° 49.767'N	001° 54.456'E
54° 50.731'N	001° 25.315'E