

# NOTICE TO MARINERS



## DOGGER BANK OFFSHORE WIND FARM

DATE OF ISSUE:	08/11/2023
NOTICE TO MARINER NUMBER	LF500013-MIP-DOG-NOT-0027

### 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 D 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 15<sup>th</sup> December 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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## Supporting Information

Vessel Name – X-04 / X-16 / X-18/ X-20	Vessel Contact Details	
	X-04 Uncrewed	
	Call Sign	MFWS5
	MMSI	232023832
	X-16 Uncrewed	
	Call Sign	MKMB2
	MMSI	232039413
	X-17 Uncrewed	
	Call Sign	MKMB4
	MMSI	232039414
	X-19 Uncrewed	
	Call Sign	MKMB8
	MMSI	232039416
	<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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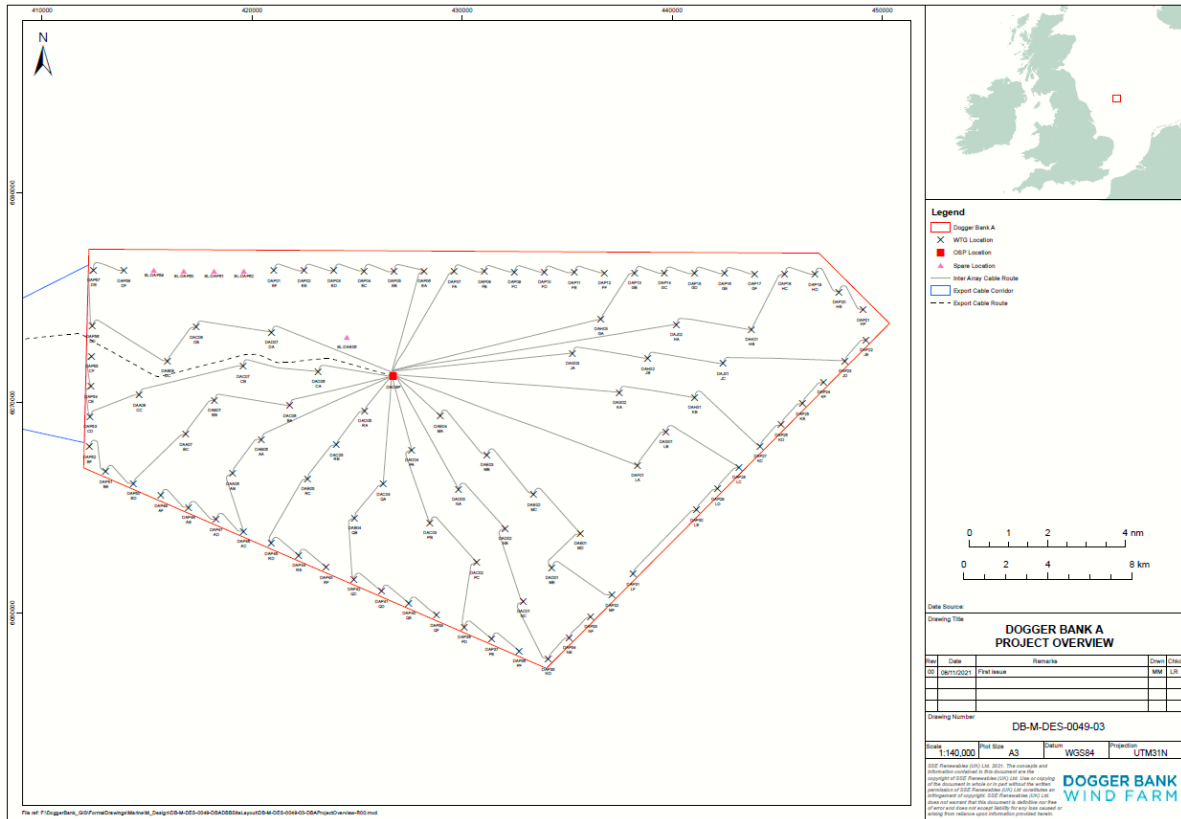


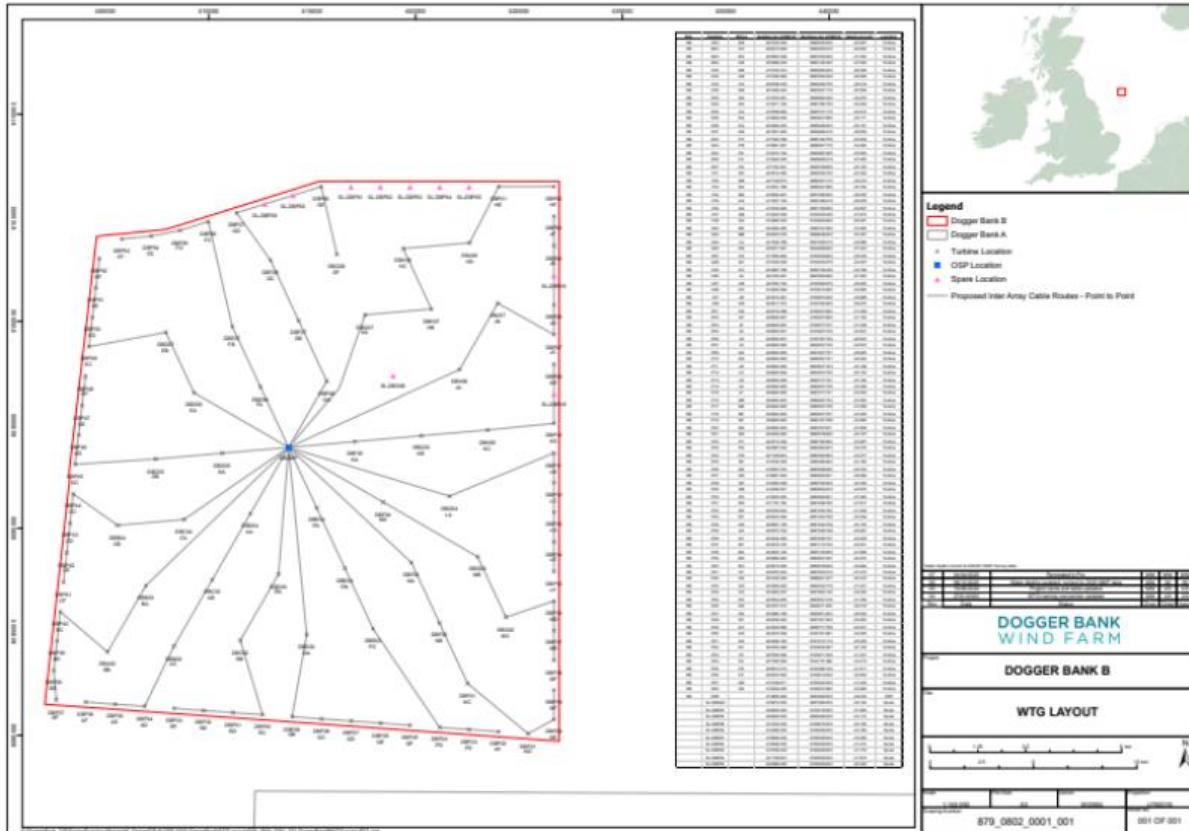
Figure 1: Dogger Bank A Array Area

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