

NOTICE TO MARINERS

Notice of activities associated with operations on Beatrice Offshore Wind Farm

Date of Issue	16/01/2024	Notice Number	NTM-BE-00057
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BOWL U.S.V. Subsea Survey using XOcean-X21 (UNMANNED).

Contact Details for Marine Coordination and Fisheries Liaison

The following contact can provide more information if required:

Telephone Number (Day Operations)24/7	+44 (0) 2392 272104
Emergency Contact (24/7)	+44 (0) 7342 028207
Email for Marine Coordinator	MC.Bowl@sse.com
Address	Grey Coast Building Harbour Quay WICK Caithness KW1 5ET

For all fisheries enquiries, please contact the parties listed below:

Primary Contact	Alex Winrow-Giffin - alex@brownmay.com +44 (0) 7760 160039
Secondary Contact	John Watt – john.watt@brownmay.com +44 (0) 7590 880746
Address	Brown and May Marine Progress Way Mid Suffolk Business Park Eye, Suffolk IP23 7HU

1. Area of Planned Activity

On behalf of BOWL, autonomous vessel XOCEAN X21 will conduct non-intrusive unmanned survey of Asset locations BE-F08 (OTM2) and BE-M09 (Wind turbine) listed in Table 1 and 20 inter array cables as listed in Table 2. Operations are due to commence 29 January 2024 for a duration of circa 5 days on a 24hr basis, subject to weather, requiring to be completed by 18th February 2024.

The USV sends real time images and situation awareness data over satellite to a team of operators keeping watch and controlling the vessel remotely 24/7.

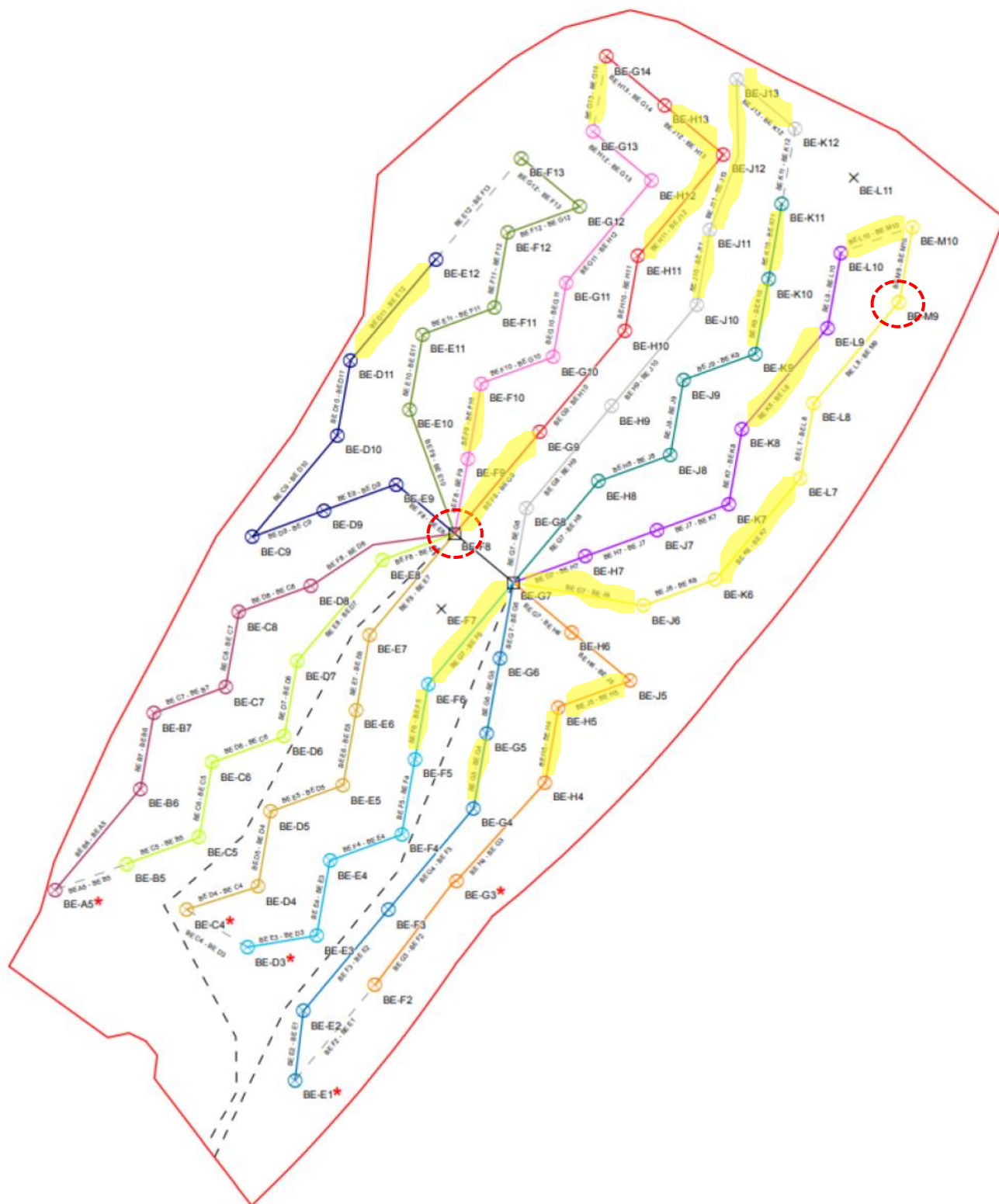


Figure 1-Assets Highlighted with Array Cable Routes for Survey.

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Table 1- Asset Location Coordinates

Asset	Location ID	Latitude	Longitude	Easting	Northing
OTM2	BE-F08	58° 15.411' N	2° 53.750' W	506113.286	6457311.070
WTG	BE-M09	58° 17.317' N	2° 46.784' W	512914.940	6460865.09

Table 2: Inter array cables routes

Inter-Array Cable	String	KP1 (m)	KP2 (m)	Range(m)
BE-J5-BE-H5	Amber	0.05	1.29	1240
BE-H5-BE-H4	Amber	0.05	1.25	1200
BE-G5-BE-G4	Blue	0.05	1.24	1190
BE-F6-BE-F5	Cyan	0.05	1.24	1190
BE-G7-BE-F6	Cyan	0.05	2.5	2450
BE-D11-BE-E12	Navy	0.05	2.1	2050
BE-G13-BE-G14	Pink/Red	0.05	1.23	1180
BE-F9-BE-F10	Pink	0.05	1.2	1150
BE-H11-BE-J12	Red	0.39	2.03	1640
BE-J12-BE-H13	Red	0.15	0.81	660
BE-F8-BE-G9	Red	0.05	2.2	2150
BE-J10-BE-J11	Silver	0.05	1.2	1150
BE-J11-BE-J13	Silver	0.05	2.42	2370
BE-J13-BE-K12	Silver	0.08	1.43	1350
BE-K9-BE-K10	Teal	0.05	1.25	1200
BE-K10-BE-K11	Teal	0.05	1.257	1207
BE-K8-BE-L9	Violet	1.06	1.92	860
BE-L10 - BE-M10	Violet/Yellow	0.03	0.8	770
BE-G7-BE-J6	Yellow	0.05	2.25	2200
BE-K6-BE-L7	Yellow	0.25	2.5	2250

2. Vessels associated with this Activity

XOcean X21 (UNMANNED)	
General Description and Dimensions:	4.5m Unmanned, Surface Vessel
Call Sign:	MLUL2
MMSI:	232042738
Onshore Representative:	Beatrice Offshore Windfarm Grey Coast Building Harbour Quay WICK Caithness, KW1 5ET Martin Sutherland – SSE Renewables Tel: 07384241258 Email: Martin.Sutherland@sse.com



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Southern Belle (Support Vessel)	
General Description and Dimensions:	Support Vessel (9mtr)
Call Sign:	MDZBZ
MMSI:	232018373
Onshore Representative:	Beatrice Offshore Windfarm Grey Coast Building Harbour Quay WICK Caithness, KW1 5ET Martin Sutherland – SSE Renewables Tel: 07384241258 Email: Martin.Sutherland@sse.com



3. General Safety Advice

Operations will take place subject to weather.

Safety precautions: the USV is equipped with the following to make it conspicuous to other marine traffic:

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- AIS
- Navigational Lights and Sound Signal
- Active Radar Reflector
- Superstructure painted yellow

A support vessel (Southern Belle) will escort the USV from/to Wick Harbour into open waters and be available on standby throughout the campaign.

Although the vessel is unmanned, it is crewed 24/7, piloted remotely using 360 degree cameras and other navigational aids.

ALL VESSELS ARE REQUESTED to give XOCEAN X21 a wide berth whilst surveying. Seafarers are asked to avoid contact with the vessel and be aware of the operational area during this period.

MARINERS ARE REMINDED to navigate with caution and keep continuous watch on VHF Ch. 70 / 16 when navigating the area.

4. Fisheries Liaison

Fisheries liaison associated with the activity will be co-ordinated by Brown and May Marine. For any commercial fishery queries please contact:

Alex Winrow-Giffin Tel Mobile +44 (0) 7760 160039 alex@brownmay.com

John Watt Tel Mobile +44 (0) 7590 880746 john.watt@brownmay.com

5. Distribution List

The distribution of this notice is as per email recipient's header. A central list of recipients is maintained by the Marine Coordinator; if you are not the appropriate recipient of these notices, or do not wish to receive the notices in the future, please contact us at the address included in Section 1 of this notice.

A copy of this notice can also be found at <https://www.beatricewind.com/>