



<b>MORAY WEST WEEKLY NOTICE OF OPERATIONS</b>	Issue Date	13/03/2023
	Ref: WNoO 0006	Rev: 01

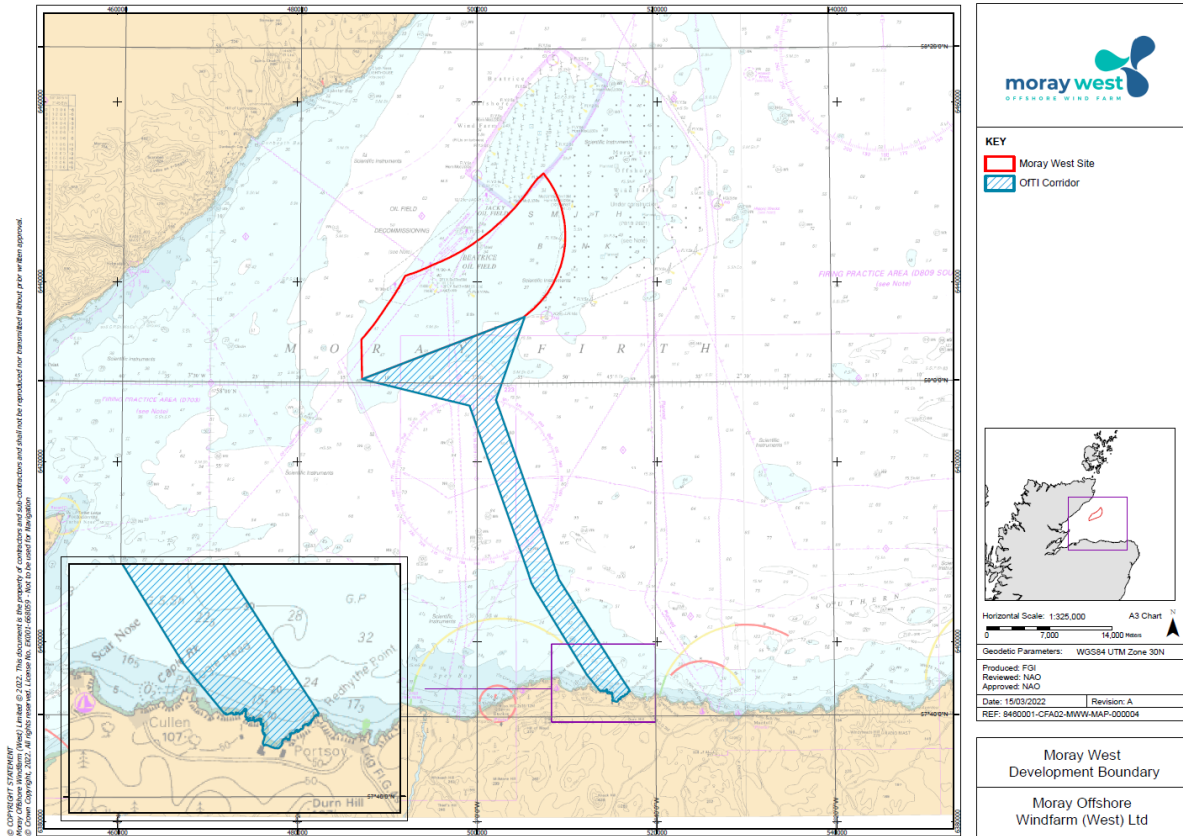
## Work Planned for the Period 13<sup>th</sup> March to 19<sup>th</sup> March

*Construction work for Moray West Offshore Wind Farm commenced on the 6<sup>th</sup> February 2023.*

*The key aim of the Weekly Notice of Operations is to give a global view of activities and vessels involved. Questions regarding the operations will be welcome preferably well in advance of each construction activity.*

Moray West is developing the Moray West Offshore Wind Farm in the Moray Firth. The Moray West Site covers an area of approximately 225 km<sup>2</sup> on the Smith Bank in the Outer Moray Firth approximately 22 km from the Caithness coastline. The development will consist of 60 offshore wind turbines (WTGs) (with a total capacity of approximately 882 MW) and two Offshore Substation Platforms (OSPs) with associated subsea WTG inter-array cables and an OSP interconnector cable. The generated power will be transmitted to the grid via two subsea export cable circuits that will come ashore at Sandend Bay, which is located on the Aberdeenshire coast at Broad Craig near Sandend Bay, approximately 65 km south of the Moray West Site. There are two underground cable circuits currently under construction from the landfall at Broad Craig to Whitehillock near Keith in Moray where the Moray West onshore substation is under construction. There are also further underground cables being installed between Whitehillock substation and the existing Scottish Hydro Electric Transmission Blackhillock substation. The Moray West offshore development boundary is shown in black on Figure 1 below. Details of location of work activities within this area will be provided as work progresses.

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**Figure 1 - Moray West Offshore Development Boundary**

It is currently anticipated that weather permitting offshore construction works will be carried out year-round and on a continuous basis (i.e., 24 hours working, seven days a week) unless notified otherwise.

Moray West Marine Coordination Centre in Fraserburgh is manned 24 hours, 7 days per week.

The current construction works are as follows:

- HDD DIVING WORKS
- UXO ID and DISPOSAL WORKS
- Boulder and Debris Relocation Works

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### **1. Contact Details for Marine Coordination**

The following contact can provide more information if required. Please note that specific queries can also be addressed to the relevant vessel or shore-based representative.

<b>Duty MC (24/7)</b>	+44 (0) 7774 663504
<b>Emergency Contact (24/7)</b>	+44 (0) 8001 488832
<b>Marine Coordinator Email</b>	MCC@moraywest.com
<b>Address</b>	Shore Street, Fraserburgh, AB43 9BR

### **2. General Safety Advice**

Please be aware that by virtue of their mode of operation and the equipment deployed, some construction vessels will be Restricted in their Ability to Manoeuvre (RAM) as defined under COLREGs (International Regulations for Preventing Collisions at Sea 1972, Rule 3). Masters of vessels are therefore requested to maintain their vessels and gears at a minimum safe distance from these vessels of 500 metres when it is undertaking its work and showing the appropriate shapes and lights in accordance with COLREGs Rule 27.

In order to not compromise the safety of the project vessels and their crew, and each vessel's ability to undertake its contracted works, fishermen who have static fishing gears deployed within the defined Moray West site (see Figure 1) are requested to provide the coordinates of such deployed gears in DMS and details of whether the surface markers used are visible at all states of visibility to Alex Winrow-Griffin (Brown & May Marine) using the contact information in the Fisheries Liaison section below (Section 58 of the Merchant Shipping Act 1995).

Fishermen who have static gears deployed beyond 12 nm are reminded that static gear must be marked in accordance with Commission Implementing Regulation (EU) No. 404/2011 (<https://www.gov.uk/guidance/markings-of-fishing-gear-retrieval-and-notification-of-lost-gear#marking-of-fishing-gear>). Static gears deployed within 12 nm should be marked in accordance with The Marking of Creels (Scotland) Order 2020 (<https://www.legislation.gov.uk/ssi/2020/168/made/data.pdf>).

All mariners are requested to give all construction and support vessels a safe passing distance and contact the vessel on VHF CH16 to ascertain what distance is required dependant on their ongoing operation.

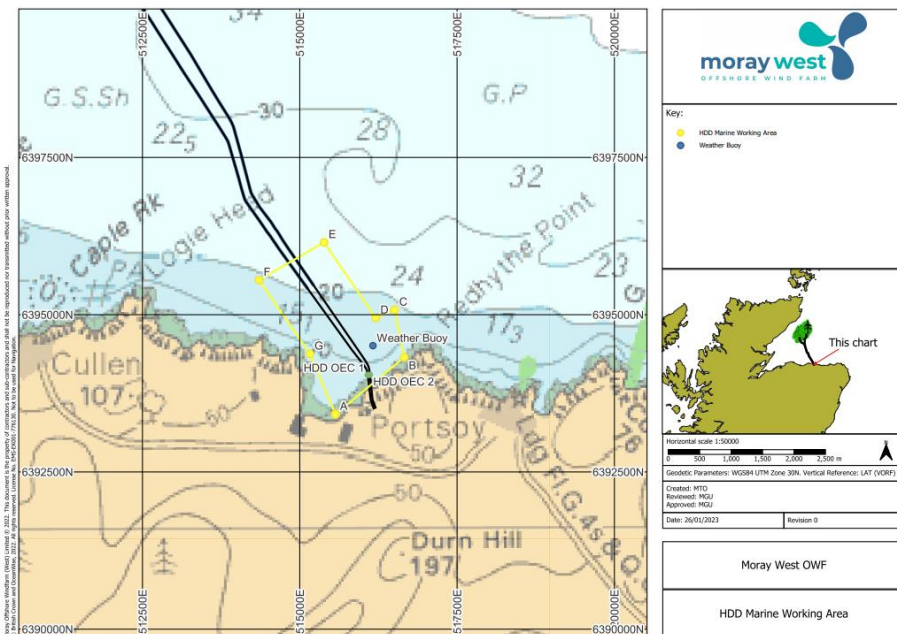
Mariners are requested to navigate with caution, to use all means appropriate to aid safe navigation as defined under COLREGs Rule 27, and keep continued watch on VHF Ch. 16, 87 and 73 when navigating the area.

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### 3. Ongoing Works

- HDD Diving works

The HDD (Horizontal Directional Drilling) diving works are to take place within the yellow (HDD Marine Working Area) boundary shown in the figure below.



**Figure 2 – Moray West HDD Diving Works Area**

*Table 1. Coordinates of proposed HDD diving works*

<b>HDD Diving works area - Coordinates</b>				
<b>Site ID</b>	<b>UTM30(N) Easting (m)</b>	<b>UTM30(N) Northing (m)</b>	<b>WGS84 Latitude</b>	<b>WGS84 Longitude</b>
A	515567	6393417	57° 40.963N	002° 44.336W
B	516659	6394324	57° 41.450N	002° 43.233W
C	516506	6395076	57° 41.856N	002° 43.384W
D	516208	6394949	57° 41.787N	002° 43.685W
E	515385	6396150	57° 42.436N	002° 44.509W
F	514353	6395551	57° 42.116N	002° 45.550W
G	515161	6394377	57° 41.482N	002° 44.741W

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The works commenced on **11<sup>th</sup> February 2023**, and HDD diving works duration is forecasted to be completed around **late April 2023**, but the exact HDD diving works duration and completion date will depend on weather and progress of the works.

The scope of work anticipated to be complete this week (weather and progress dependant) includes following activities at nearshore area for HDD 2:

- None, HDD preparation works completed.

The scope of work anticipated to be remaining completed (weather and progress dependant) includes following activities at nearshore area for HDD 1:

- Install marker buoy – completed.
- Installation of HDD pipe on HDD1 hole (Potentially later this week)
- Preparatory works prior cable installation campaign starts: duct stabilization works, pigging of the duct, messenger wire and bellmouth installation (Not expected before 15<sup>th</sup> March 2023)

Nearshore HDD diving operations will be carried out by the diving vessel Isle of Jura. Isle of Jura will carry out the HDD duct ends preparatory works at nearshore utilising onboard diving spread moored at HDD duct ends punchout locations by deploying the vessel four-point mooring system. The diving vessel Isle of Jura (supported by Seafast Don (Ex Dalby Don) as the crew transfer vessel and Pioneer as support vessel) will be on site to assist during these works.

Isle of Jura four-point mooring system arrangement at each nearshore HDD duct ends are presented in the below Figure 3.

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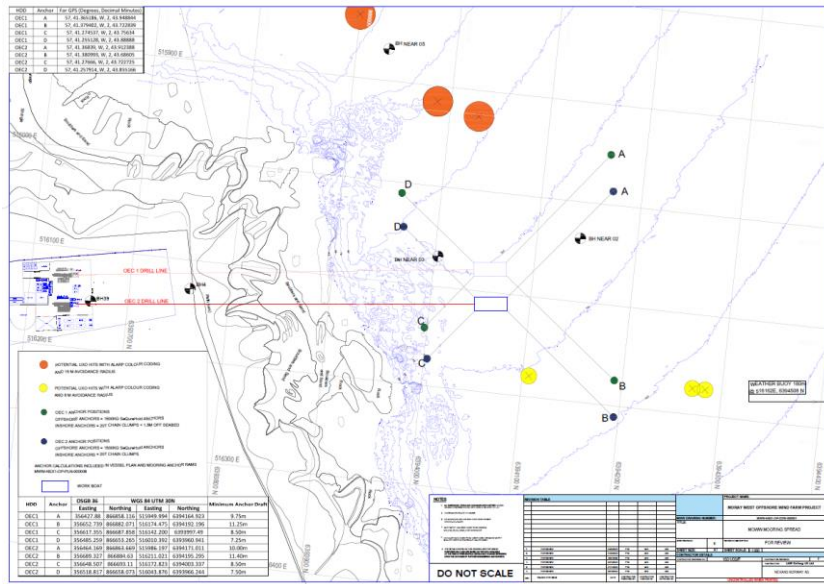


Figure 3 – Moray West HDD Mooring plan for diving works.



Figure 4 – Moray West HDD Inshore weather buoy.

**Installation Coordinates:**

Latitude: 57 41.5409N, Longitude: 002 43.7323W.

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**Figure 5 – Moray West HDD Inshore marker buoy.**

**Installation Coordinates:**

Latitude: 57 41.2922N, Longitude: 002 43.8006W

- **UXO ID and Disposal Works**

The UXO ID and Disposal works commenced on 25<sup>th</sup> February 2023 with trials and then operations on the export cable routes. This week works will continue within the export corridor.

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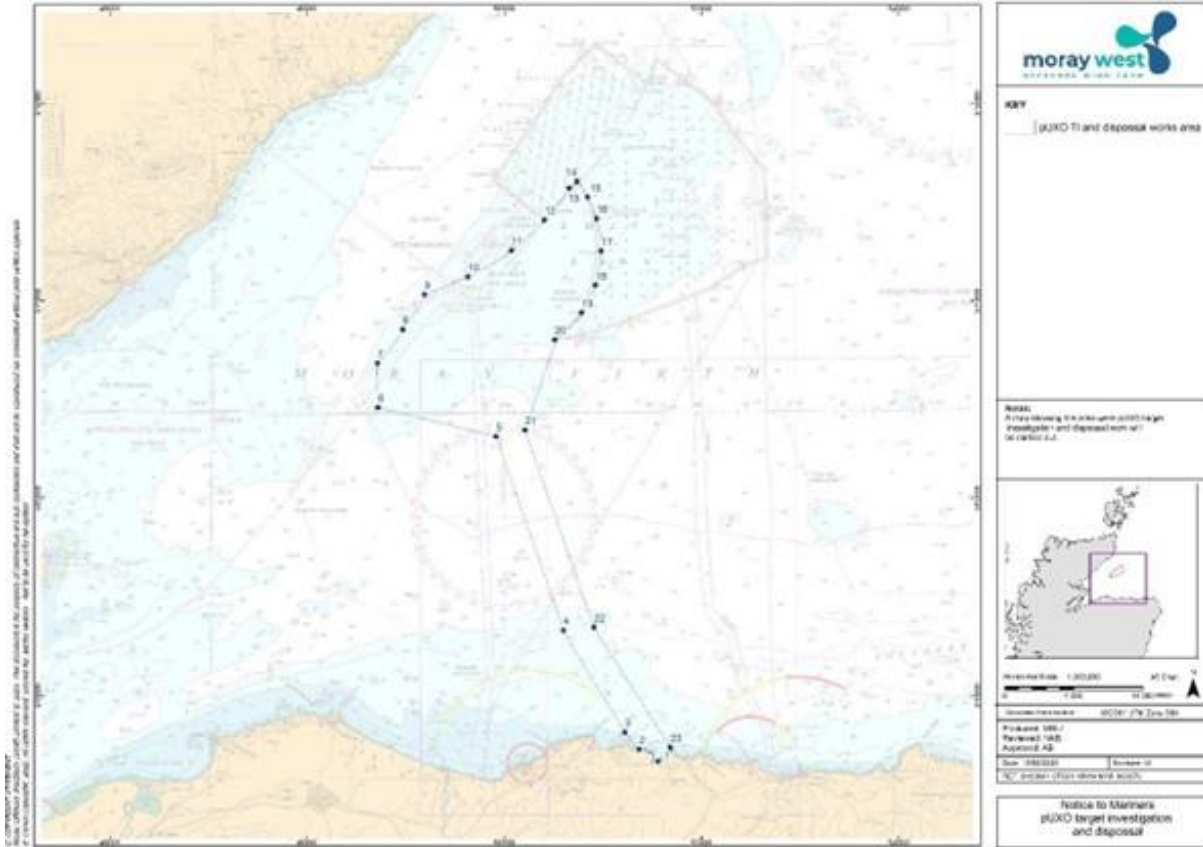


Figure 6 – Moray West UXO ID and Disposal Works Area



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Table 2. Coordinates of proposed Moray West UXO ID and Disposal Works Area

Moray West UXO ID and Disposal Works Area - Coordinates				
Site ID	UTM30(N) Easting (m)	UTM30(N) Northing (m)	WGS84 Latitude	WGS84 Longitude
1	515588	6393327	57° 40.914' N	2° 44.315' W
2	513674	6394542	57° 41.573' N	2° 46.238' W
3	512241	6396280	57° 42.512' N	2° 47.675' W
4	505998	6406578	57° 48.070' N	2° 53.945' W
5	499158	6426229	57° 58.663' N	3° 0.854' W
6	487208	6429171	58° 0.237' N	3° 12.986' W
7	487142	6433649	58° 2.650' N	3° 13.068' W
8	489705	6437067	58° 4.496' N	3° 10.472' W
9	491909	6440618	58° 6.413' N	3° 8.237' W
10	496301	6442406	58° 7.380' N	3° 3.768' W
11	500728	6445086	58° 8.825' N	2° 59.258' W
12	504067	6448162	58° 10.482' N	2° 55.851' W
13	506584	6451396	58° 12.223' N	2° 53.279' W
14	507377	6452075	58° 12.588' N	2° 52.468' W
15	508444	6450484	58° 11.729' N	2° 51.382' W
16	509362	6448299	58° 10.551' N	2° 50.450' W
17	509828	6445014	58° 8.780' N	2° 49.983' W
18	509247	6441558	58° 6.918' N	2° 50.583' W
19	507845	6438786	58° 5.426' N	2° 52.017' W
20	505117	6436035	58° 3.946' N	2° 54.796' W
21	502103	6426877	57° 59.012' N	2° 57.866' W
22	509094	6406908	57° 48.245' N	2° 50.819' W
23	516843	6394746	57° 41.676' N	2° 43.047' W

The expected remaining duration of works is 5 weeks completing around **late April 2023**, but the exact works duration and completion date will depend on weather and progress of the works.

The scope of work anticipated to be complete this week (weather and progress dependant) includes following activities:

- Continue UXO ID works (Export Corridor)

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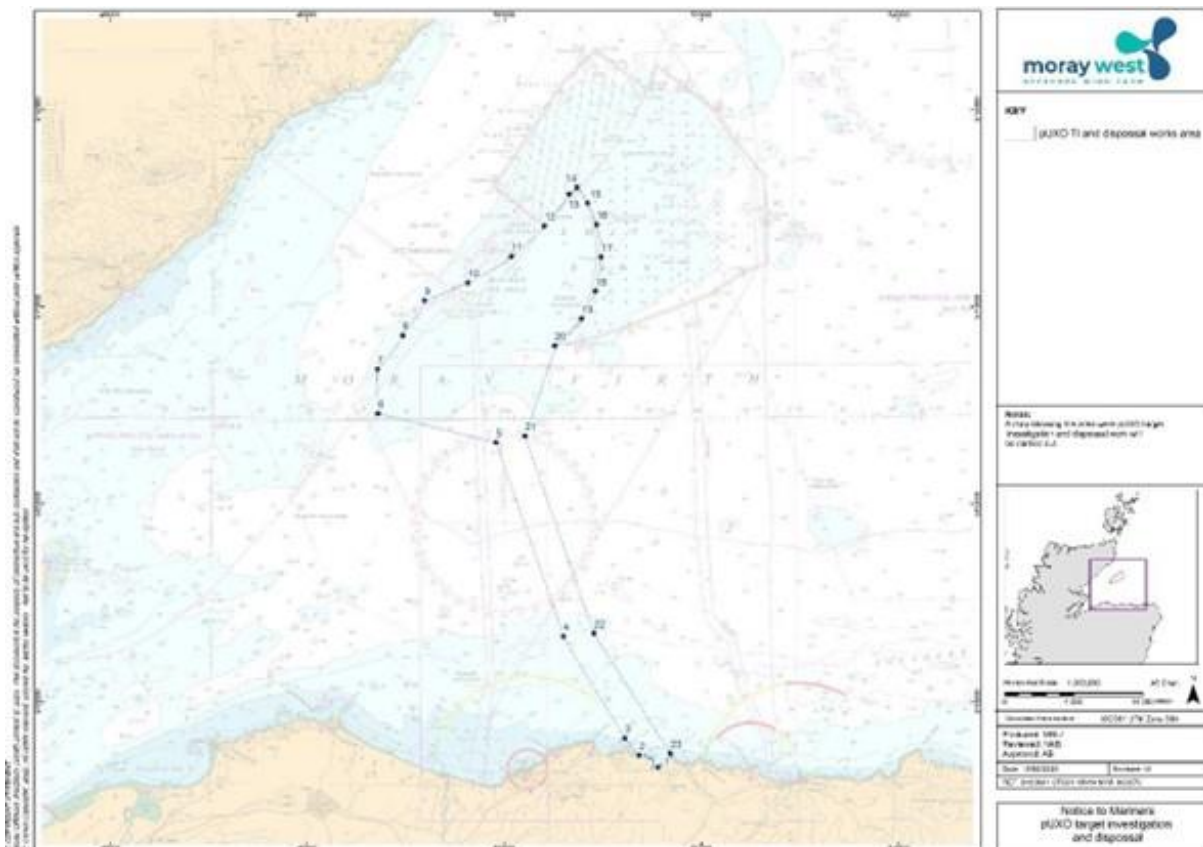
The scope of work anticipated to be remaining completed (weather and progress dependant) includes the following activities:

- UXO ID Works (OWF Site)
- UXO Disposal woks (Export Corridor and OWF Site)
- Archaeological investigations (SoW and location as yet unknown).

All works are being performed by the Glomar Wave. The Glomar Wave will operate on DP for this scope of work, during operations there will be a work-class ROV deployed via A-Frame.

- **Boulder and Debris Relocation Works**

The Boulder and Debris Relocation works commenced on 11<sup>th</sup> March 2023 with trials and then operations on the export cable routes. This week works will continue within the export corridor.



**Figure 7 – Moray West Boulder and Debris Relocation Works Area**

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Table 3. Coordinates of Moray West Boulder and Debris Relocation Works

Moray West UXO ID and Disposal Works Area - Coordinates				
Site ID	UTM30(N) Easting (m)	UTM30(N) Northing (m)	WGS84 Latitude	WGS84 Longitude
1	515588	6393327	57° 40.914' N	2° 44.315' W
2	513674	6394542	57° 41.573' N	2° 46.238' W
3	512241	6396280	57° 42.512' N	2° 47.675' W
4	505998	6406578	57° 48.070' N	2° 53.945' W
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21	502103	6426877	57° 59.012' N	2° 57.866' W
22	509094	6406908	57° 48.245' N	2° 50.819' W
23	516843	6394746	57° 41.676' N	2° 43.047' W

The expected remaining duration of works is 3 months completing around **June 2023**, but the exact works duration and completion date will depend on weather and progress of the works.

The scope of work anticipated to be complete this week (weather and progress dependant) includes following activities:

- Continue relocation works (Export Corridor)

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The scope of work anticipated to be remaining completed (weather and progress dependant) includes the following activities:

- Relocation works (OWF Site)

All works are being performed by the Olympic Electra. The vessel will operate on DP for this scope of work, during operations there will be a specialist ROV-controlled grab deployed via A-Frame.

### **Fisheries Liaison**

Fisheries liaison associated with the activity will be co-ordinated by Brown and May Marine (Moray West Company Fisheries Liaison Officer). For any non-urgent commercial fishery queries please contact Brown and May Marine or Moray West's Commercial Fisheries Manager. Note that they are only available during standard office hours and may not be able to provide immediate responses. For queries requiring an immediate response please contact either the Moray West Marine Coordinator or an Offshore Fisheries Liaison Officer:

- **Moray West Company Fisheries Liaison Officer (CFLO)**

**Alex Winrow-Giffin** - Brown and May Marine Ltd.

**Email:** [alex@brownmay.com](mailto:alex@brownmay.com)

**Tel:** +44 1379 872148 / + 44 7760 160039

- **Moray West Commercial Fisheries Manager**

**Iain McMyn**

**Email:** [iain.mcmyn@oceanwinds.com](mailto:iain.mcmyn@oceanwinds.com)

**Tel:** +44 7780 191088

- **Offshore Fisheries Liaison Officer**

Currently deployed onboard Glomar Wave - **Ian Peck**



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### **Distribution List**

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### **Website**

The official website of Moray Offshore Windfarm (West) Limited can be found at:

<https://www.moraywest.com/current-works/offshore-works>

This website will contain all Notices to Mariners (NtMs) published by Moray West during the construction phase of the project, Weekly Notices of Operations and general information about the project.