

MORAY WEST WEEKLY NOTICE OF OPERATIONS	Issue Date	26/06/2023
	Ref: WNoO 0021	Rev: 00

Work Planned for the Period 26th June to 02nd July 2023

Construction work for Moray West Offshore Wind Farm commenced on the 6th 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 km² 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.

MORAY WEST WEEKLY NOTICE OF OPERATIONS	Issue Date	26/06/2023
	Ref: WNoO 0021	Rev: 00

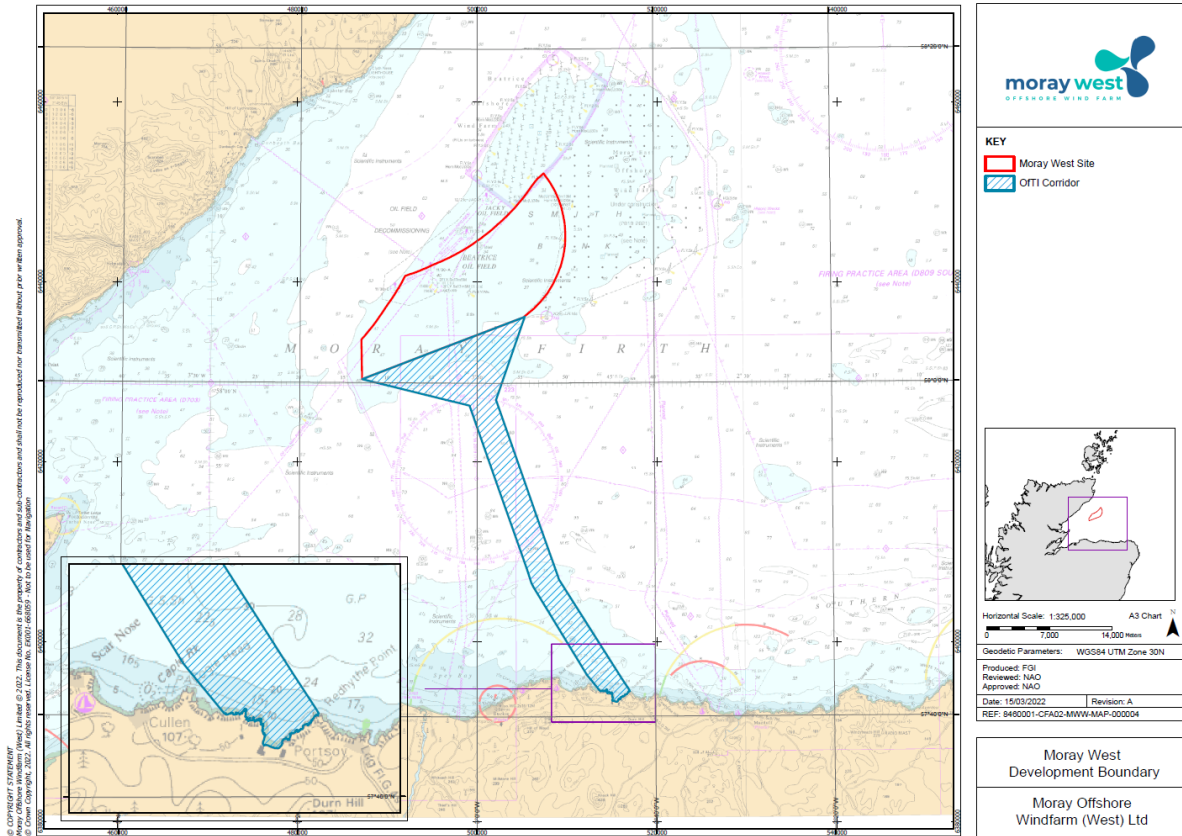


Figure 1 - Moray West Offshore Development Boundary

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:

- UXO ID and DISPOSAL WORKS
- Boulder and Debris Relocation Works
- Scour Protection installation

MORAY WEST WEEKLY NOTICE OF OPERATIONS	Issue Date	26/06/2023
	Ref: WNoO 0021	Rev: 00

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.

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

2. Ongoing Works

2.1 UXO ID and Disposal Works

- The UXO ID works commenced on 25th February 2023 with trials and then operations on the export cable routes followed by the wind farm site itself. Operations are currently suspended with the vessel planned for repairs in the Netherlands. Vessel is expected back on site around the 9th of July. All ID works are now complete. Operations are now focused on cUXO disposal, there are 81 targets in total, 21 have already been disposed of. Works are ongoing on the wind farm site.

MORAY WEST WEEKLY NOTICE OF OPERATIONS	Issue Date	26/06/2023
	Ref: WNoO 0021	Rev: 00

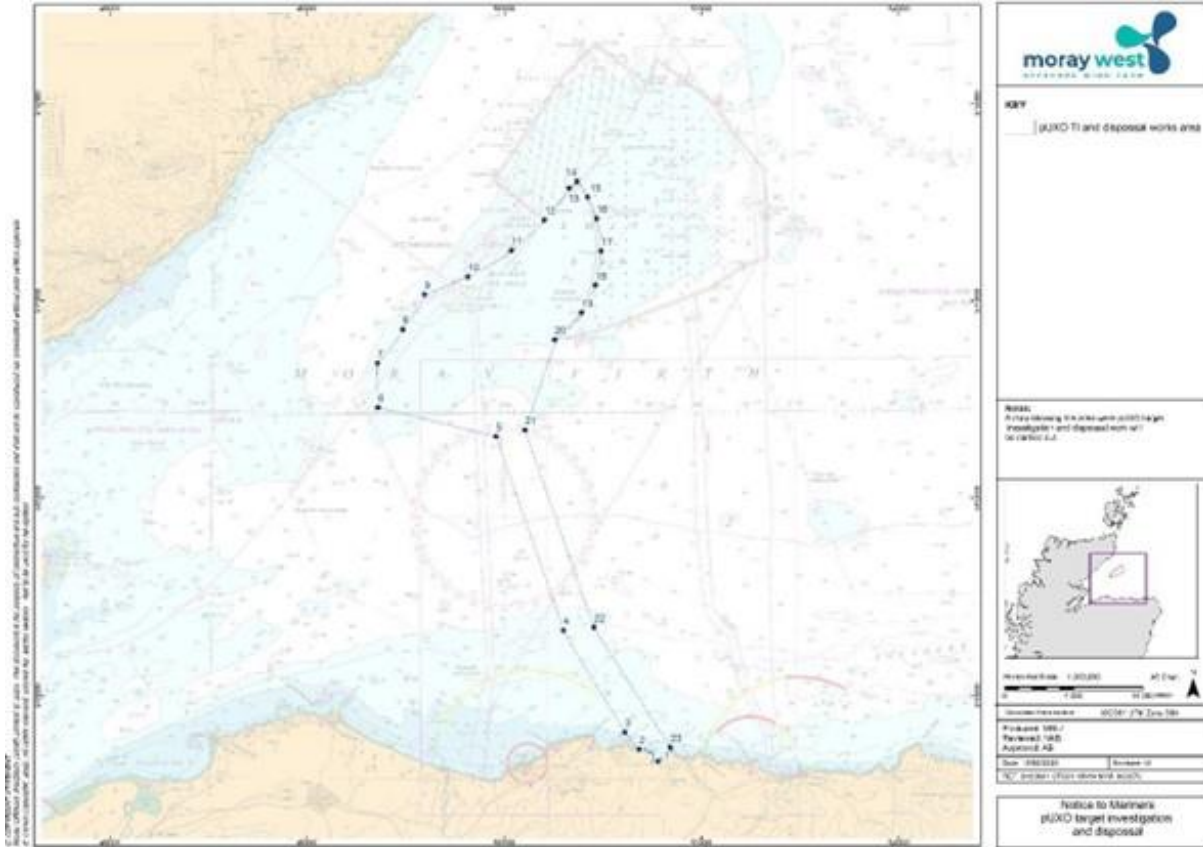


Figure 1 – Moray West UXO ID and Disposal Works Area

MORAY WEST WEEKLY NOTICE OF OPERATIONS	Issue Date	26/06/2023
	Ref: WNoO 0021	Rev: 00

Table 1. 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 expectation is the works will complete in **early August 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:

- UXO Disposal works (OWF Site)

MORAY WEST WEEKLY NOTICE OF OPERATIONS	Issue Date	26/06/2023
	Ref: WNoO 0021	Rev: 00

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.

2.1 Boulder and Debris Relocation Works

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

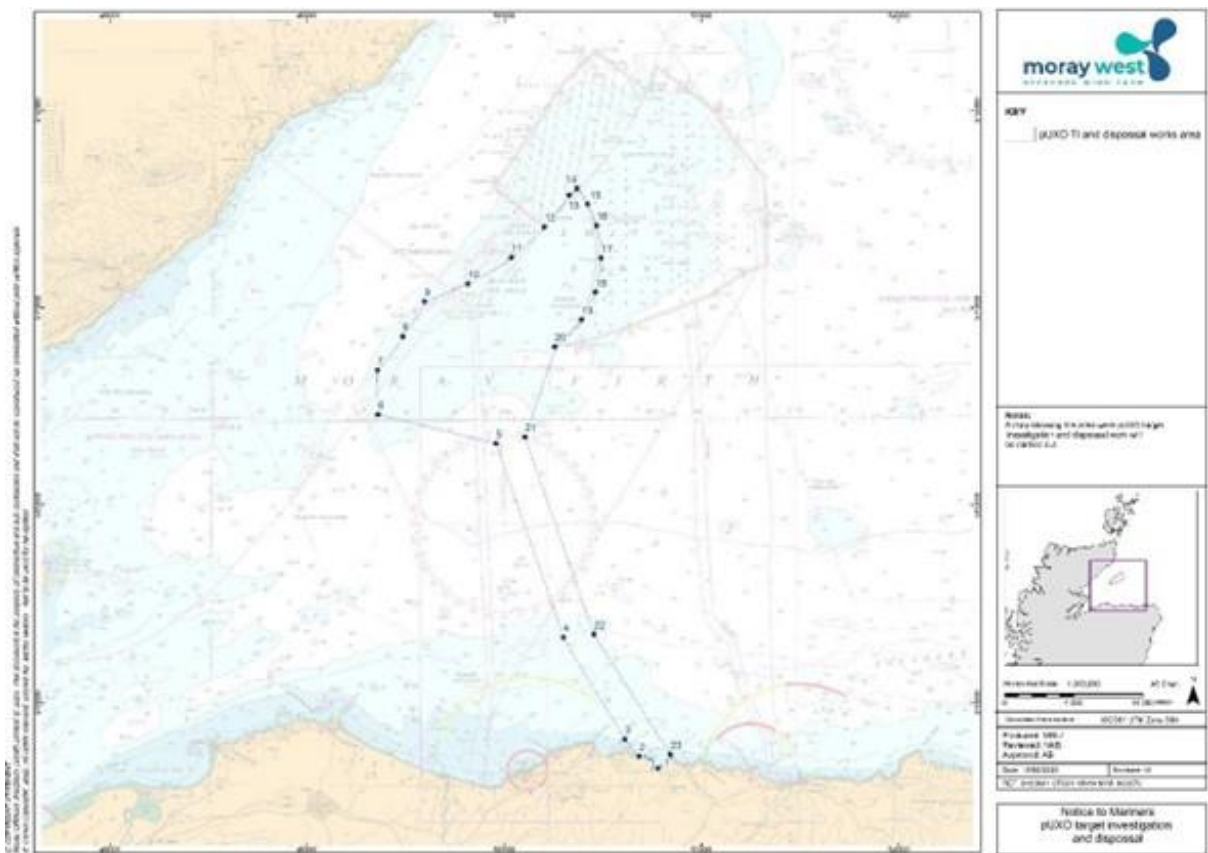


Figure 2 – Moray West Boulder and Debris Relocation Works Area

MORAY WEST WEEKLY NOTICE OF OPERATIONS	Issue Date	26/06/2023
	Ref: WNoO 0021	Rev: 00

Table 2. Coordinates of Moray West Boulder and Debris Relocation Works

Moray West Boulder and Debris Relocation 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 expectation is the works will complete in **early August 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:

1. Continue relocation works (Export Corridor)

MORAY WEST WEEKLY NOTICE OF OPERATIONS	Issue Date	26/06/2023
	Ref: WNoO 0021	Rev: 00

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

1. 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.

2.2 Scour protection installation works

The scour protection installation works is the first activity that will be undertaken within the Moray West wind farm site. The scour protection installation is to take place within the wind farm boundary (shown in red) at the foundation locations presented in the figure below (Figure 3).

The works are anticipated to commence no earlier than **20th June 2023**, and are forecasted to be completed by **30 September 2023**, but the exact duration and completion date will depend on weather and progress of the works.

MORAY WEST WEEKLY NOTICE OF OPERATIONS	Issue Date	26/06/2023
	Ref: WNoO 0021	Rev: 00

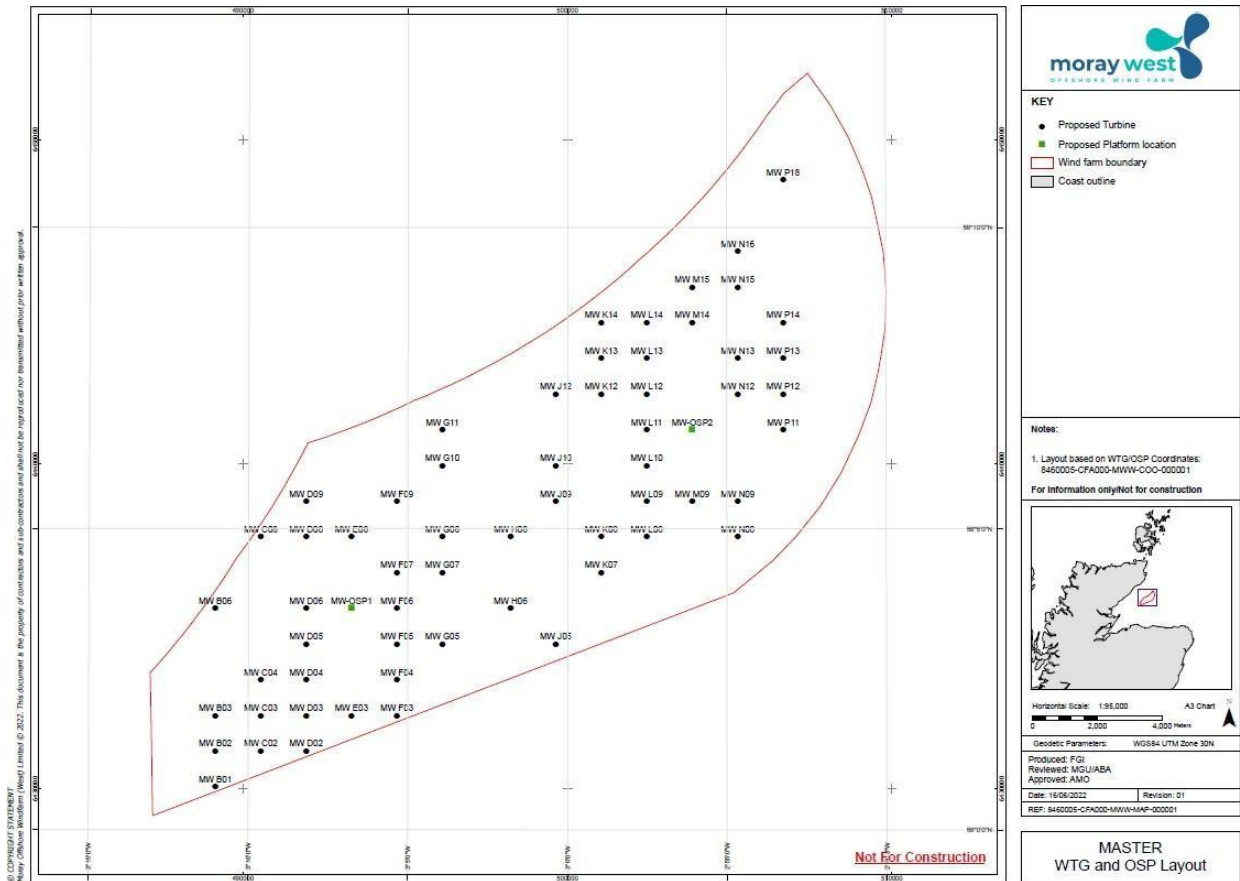


Figure 3. Moray West wind farm site – Location of the works

The scope of work includes the laying of scour protection material at 62 foundation locations (Table 2) with a dynamically positioned fallpipe (DPFV) vessel.

Table 3. Coordinates of proposed works

Scour Protection Installation – Co-ordinates				
Location ID	UTM30N Easting (m)	UTM30N Northing (m)	WGS84 Latitude	WGS84 Longitude
MW B01	489142.70	6430070.97	58° 0.725' N	3° 11.025' W
MW B02	489142.70	6431170.97	58° 1.318' N	3° 11.028' W
MW B03	489142.70	6432270.97	58° 1.911' N	3° 11.031' W
MW B06	489142.70	6435570.97	58° 3.689' N	3° 11.040' W

MORAY WEST WEEKLY NOTICE OF OPERATIONS	Issue Date	26/06/2023
	Ref: WNoO 0021	Rev: 00

MW C02	490542.70	6431170.97	58° 1.320' N	3° 9.606' W
MW C03	490542.70	6432270.97	58° 1.913' N	3° 9.608' W
MW C04	490542.70	6433370.97	58° 2.506' N	3° 9.611' W
MW C08	490542.70	6437770.97	58° 4.877' N	3° 9.622' W
MW D02	491942.70	6431170.97	58° 1.322' N	3° 8.184' W
MW D03	491942.70	6432270.97	58° 1.915' N	3° 8.186' W
MW D04	491942.70	6433370.97	58° 2.507' N	3° 8.188' W
MW D05	491942.70	6434470.97	58° 3.100' N	3° 8.191' W
MW D06	491942.70	6435570.97	58° 3.693' N	3° 8.193' W
MW D08	491942.70	6437770.97	58° 4.879' N	3° 8.197' W
MW D09	491942.70	6438870.97	58° 5.471' N	3° 8.200' W
MW E03	493342.70	6432270.97	58° 1.916' N	3° 6.764' W
MW E08	493342.70	6437770.97	58° 4.880' N	3° 6.773' W
MW F03	494742.70	6432270.97	58° 1.917' N	3° 5.341' W
MW F04	494742.70	6433370.97	58° 2.510' N	3° 5.343' W
MW F05	494742.70	6434470.97	58° 3.103' N	3° 5.344' W
MW F06	494742.70	6435570.97	58° 3.696' N	3° 5.346' W
MW F07	494742.70	6436670.97	58° 4.288' N	3° 5.347' W
MW F09	494742.70	6438870.97	58° 5.474' N	3° 5.350' W
MW G05	496142.70	6434470.97	58° 3.104' N	3° 3.921' W
MW G07	496142.70	6436670.97	58° 4.289' N	3° 3.923' W
MW G08	496142.70	6437770.97	58° 4.882' N	3° 3.924' W
MW G10	496142.70	6439970.97	58° 6.068' N	3° 3.927' W
MW G11	496142.70	6441070.97	58° 6.660' N	3° 3.928' W
MW H06	498242.70	6435570.97	58° 3.697' N	3° 1.787' W
MW H08	498242.70	6437770.97	58° 4.883' N	3° 1.788' W
MW J05	499642.70	6434470.97	58° 3.105' N	3° 0.363' W
MW J09	499642.70	6438870.97	58° 5.476' N	3° 0.364' W
MW J10	499642.70	6439970.97	58° 6.069' N	3° 0.364' W
MW J12	499642.70	6442170.97	58° 7.254' N	3° 0.364' W
MW K07	501042.70	6436670.97	58° 4.290' N	2° 58.939' W
MW K08	501042.70	6437770.97	58° 4.883' N	2° 58.939' W
MW K12	501042.70	6442170.97	58° 7.254' N	2° 58.938' W
MW K13	501042.70	6443270.97	58° 7.847' N	2° 58.938' W
MW K14	501042.70	6444370.97	58° 8.440' N	2° 58.937' W
MW L08	502442.70	6437770.97	58° 4.883' N	2° 57.515' W

MORAY WEST WEEKLY NOTICE OF OPERATIONS	Issue Date	26/06/2023
	Ref: WNoO 0021	Rev: 00

MW L09	502442.70	6438870.97	58° 5.475' N	2° 57.514' W
MW L10	502442.70	6439970.97	58° 6.068' N	2° 57.513' W
MW L11	502442.70	6441070.97	58° 6.661' N	2° 57.513' W
MW L12	502442.70	6442170.97	58° 7.254' N	2° 57.512' W
MW L13	502442.70	6443270.97	58° 7.847' N	2° 57.511' W
MW L14	502442.70	6444370.97	58° 8.439' N	2° 57.511' W
MW M09	503842.70	6438870.97	58° 5.475' N	2° 56.089' W
MW M14	503842.70	6444370.97	58° 8.439' N	2° 56.084' W
MW M15	503842.70	6445470.97	58° 9.032' N	2° 56.083' W
MW N08	505242.70	6437770.97	58° 4.881' N	2° 54.666' W
MW N09	505242.70	6438870.97	58° 5.474' N	2° 54.665' W
MW N12	505242.70	6442170.97	58° 7.252' N	2° 54.660' W
MW N13	505242.70	6443270.97	58° 7.845' N	2° 54.659' W
MW N15	505242.70	6445470.97	58° 9.031' N	2° 54.656' W
MW N16	505242.70	6446570.97	58° 9.624' N	2° 54.654' W
MW P11	506642.70	6441070.97	58° 6.658' N	2° 53.236' W
MW P12	506642.70	6442170.97	58° 7.251' N	2° 53.234' W
MW P13	506642.70	6443270.97	58° 7.844' N	2° 53.233' W
MW P14	506642.70	6444370.97	58° 8.437' N	2° 53.231' W
MW P18	506642.70	6448770.97	58° 10.808' N	2° 53.223' W
MW-OSP1	493342.70	6435570.97	58° 3.694' N	3° 6.769' W
MW-OSP2	503842.70	6441070.97	58° 6.660' N	2° 56.087' W

Vessel Information

Scour protection installation operations will be carried out by the vessel Rockpiper

Table . Rockpiper General Information

Vessel Name	Rockpiper
MMSI Number	209449000
Operating Company	Boskalis
Vessel Call Sign	5BML3
Vessel Mobile Phone Number	T: +31 78 80 80 262
Vessel Email Address	Rockpiper-captain@boskalis.com

MORAY WEST WEEKLY NOTICE OF OPERATIONS	Issue Date	26/06/2023
	Ref: WNoO 0021	Rev: 00

Figure 3. Rockpiper



3 Completed Works

3.1 – All Marine HDD works on HDD1, and HDD2 completed 22/03/2023

Leaving behind Inshore Marker buoy in position

Latitude: 57 41.2922N, Longitude: 002 43.8006W

MORAY WEST WEEKLY NOTICE OF OPERATIONS	Issue Date	26/06/2023
	Ref: WNoO 0021	Rev: 00



And a Weather Data Buoy in position

Latitude : 57 41.2922N, Longitude: 002 43.8006W



3.2 Moray West Construction Markers

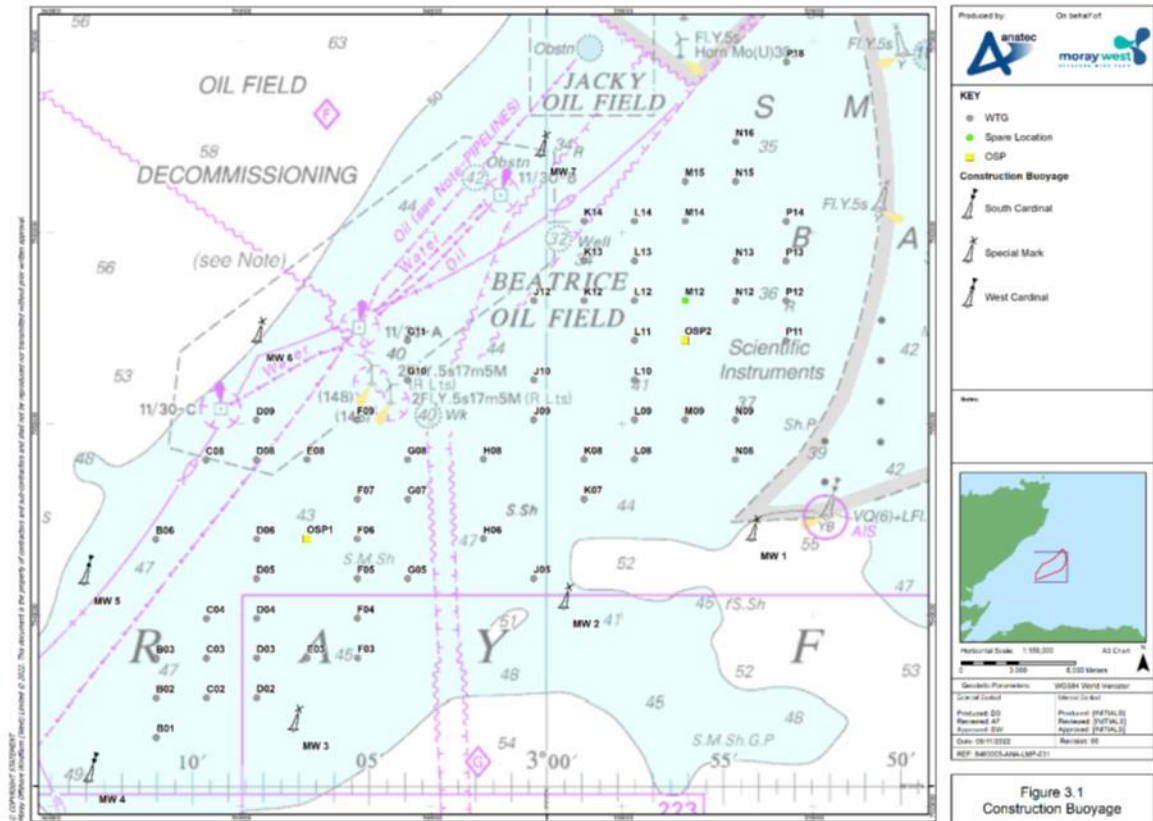
Moray West has completed the deployment of seven construction buoys around the Moray West site. The marker buoys will remain in place until after construction of the Moray West Wind Farm is complete. The co-ordinates for the as-built marker buoys are provided in the table below

Table 3 – Marker Buoy Locations

MORAY WEST WEEKLY NOTICE OF OPERATIONS	Issue Date	26/06/2023
	Ref: WNoO 0021	Rev: 00

Buoy	ID	Location	Light and Top Mark Specification
Special Mark	MW1	58° 03.681' N 002° 54.231' W	<ul style="list-style-type: none"> Pillar shaped with a yellow 'x' shaped topmark Fl Y 5s light character
Special Mark	MW2	58° 02.667' N 002° 59.024' W	<ul style="list-style-type: none"> Pillar shaped with a yellow 'x' shaped topmark Fl Y 5s light character
Special Mark	MW3	58° 00.841' N 003° 07.174' W	<ul style="list-style-type: none"> Pillar shaped with a yellow 'x' shaped topmark Fl Y 5s light character
South Cardinal	MW4	58° 00.071' N 003° 12.941' W	<ul style="list-style-type: none"> Pillar shaped with a south cardinal shaped topmark V Quick (Q) (6) + L Fl 10s W light character.
West Cardinal	MW5	58° 03.029' N 003° 13.071' W	<ul style="list-style-type: none"> Pillar shaped with a west cardinal shaped topmark V Quick (9) 10s W light
Special Mark	MW6	58° 06.643' N 003° 08.196' W	<ul style="list-style-type: none"> Pillar shaped with a yellow 'x' shaped topmark Fl Y 5s light character
Special Mark	MW7	58° 09.495' N 003° 00.377' W	<ul style="list-style-type: none"> Pillar shaped with a yellow 'x' shaped topmark Fl Y 5s light character

MORAY WEST WEEKLY NOTICE OF OPERATIONS	Issue Date	26/06/2023
	Ref: WNoO 0021	Rev: 00



Layout of demarcation Buoyage

4 Guard Vessels

Kinnaird Marine Limited has been appointed by Moray West to provide guard vessels during the Construction campaign. Apart from times of extreme weather, there will always be at least one guard vessel on station during piling operations. The guard vessel's primary duty is security of the construction site by informing and warning non-construction vessels of the ongoing activities and associated Safety Zones. Mariners are requested to navigate with caution and keep continued watch on VHF Ch. 16, 87 and 73 when navigating the area.

MORAY WEST WEEKLY NOTICE OF OPERATIONS	Issue Date	26/06/2023
	Ref: WNoO 0021	Rev: 00

4.1 Guard Vessel – Morning Star

GV Morning Star



TYPE	Guard Vessel	OPERATOR	Kinnaird Marine Services
IMO	956671	LOA	23.07m
MMSI NUMBER	232003852	BEAM	7m
CALLSIGN	MYXY7	DRAUGHT	3.5m
FLAG	UK	DATE ON SITE	20/06/2023
CONTACT TEL	01346 518035	LICENCES	Wind Farm, OfTI, and OSP Marine licences

Guard Vessel – Bountiful

GV Bountiful



TYPE	Guard Vessel	OPERATOR	Kinnaird Marine Services
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MORAY WEST WEEKLY NOTICE OF OPERATIONS	Issue Date	26/06/2023
	Ref: WNoO 0021	Rev: 00

IMO	8699871	LOA	22m
MMSI NUMBER	232004846	BEAM	7m
CALLSIGN	MJLF4	DRAUGHT	3.6m
FLAG	UK	DATE ON SITE	17/06/2023
CONTACT TEL	01346 518035	LICENCES	Wind Farm, OfTI, and OSP Marine licences

5.Upcoming works

1. Scour Protection installation – June 2023-September 2023
2. PLGR on the OEC routes Survey- July 2023
3. Monopile foundation installation – August 2023- March 2024
4. Wind Turbine Generator (WTG) Transition Piece Installation -December 2023- June 2024
5. WTG Installation – April 2024- October 2024

6. 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#markings-of-fishing-gear>). Static gears deployed within 12 nm should be marked in accordance

MORAY WEST WEEKLY NOTICE OF OPERATIONS	Issue Date	26/06/2023
	Ref: WNoO 0021	Rev: 00

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.

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

Tel: +44 1379 872148 / + 44 7760 160039

- **Moray West Commercial Fisheries Manager**

Iain McMyn

Email: iain.mcmyn@oceanwinds.com

[mailto:](mailto:iain.mcmyn@oceanwinds.com) Tel: +44 7780 191088

- **Offshore Fisheries Liaison Officer**

Currently deployed onboard Glomar Wave – TBC

Contact is through MW Offshore Client Rep: clientmoraywest@gmail.com

Currently deployed onboard Olympic Electra – Michael Sangster

Contact is through MW Offshore Client Rep: ocr.olympic.electra@gmail.com



MORAY WEST WEEKLY NOTICE OF OPERATIONS	Issue Date	26/06/2023
	Ref: WNoO 0021	Rev: 00

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.

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.