

MORAY EAST WEEKLY NOTICE OF OPERATIONS	Issue Date	21/12/2020
	Ref: 8460001-PC0010-MWE-REP-0094	Rev: 01

Work Planned for the Period 21.12.2020 to 27.12.2020

Construction work for Moray East Offshore Wind Farm commenced on the 18th May 2019.

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 East is developing the Moray East Offshore Wind Farm in the Outer Moray Firth on the south eastern area of the Smith Bank located to the north of the Aberdeenshire and Moray coast. The development will consist of 100 offshore wind turbines (WTGs) (with a total capacity of approximately 950 MW) and three Offshore Substation Platforms (OSPs). Water depths in the Moray East site range from approximately 38 m below LAT to 54 m below LAT. The generated power will be transmitted to the grid via three subsea export cable circuits to the landfall location at Inverboynie bay on the Aberdeenshire coast. The onshore export cables continue underground to the Moray East substation currently under construction near New Deer. The Moray East 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.

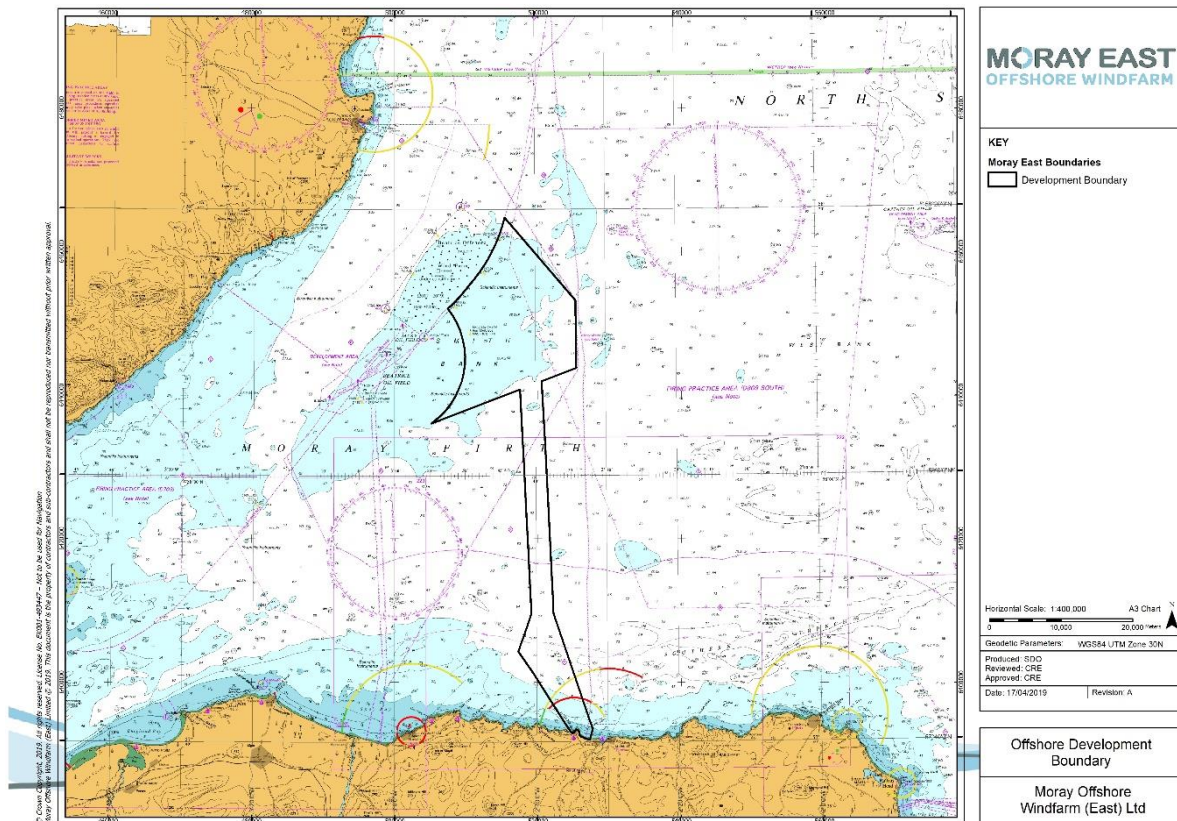


Figure 1 - Moray East Offshore Development Boundary

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

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

The current construction works are as follows:

- Guard vessel duties (detailed in this notice);
- Jacket Installation and Grouting;
- Soil plug removal operations;
- Export Cable and inter array cable installation works; and
- Meteorological mast decommissioning and removal works

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.

Telephone Number (Day Operations)	+44 (0) 778 706 5714
Emergency Contact (24/7)	+44 (0) 1346 511 838
Marine Coordinator Email	MarineCoordination.MORAYEAST@Morayeast.com
Address	Dalrymple Hall, Dalrymple St, Fraserburgh, AB43 9BD

Moray East site 1 Demarcation Buoyage

Moray East Construction Markers

Moray East has completed the deployment of nine construction marker buoys around the Moray East site (Figure 2). The marker buoys will remain in place until after construction of the Moray East Offshore Wind Farm is complete. The co-ordinates for the as-built marker buoys are provided in Table 1 below.

Table 1 – Marker buoy locations

Name	WGS84		WGS84 UTM Zone 30N	
	Latitude (dms)	Longitude (dms)	Easting (m)	Northing (m)
Buoy 1 - North Cardinal Buoy, Pillar shaped with a north cardinal shaped top mark, exhibiting a Quick (Q) White (W) light character and AIS.	58° 18' 6.600" N	2° 41' 4.800" W	518481.96	6462358.27

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Name	WGS84		WGS84 UTM Zone 30N	
	Latitude (dms)	Longitude (dms)	Easting (m)	Northing (m)
Buoy 2 - Special Mark Buoy , Pillar shaped with a yellow 'x' shaped top mark, exhibiting a Fl Y 5s light character.	58° 16' 48.300" N	2° 37' 55.380" W	521579.08	6459952.33
Buoy 3 - Special Mark Buoy , Pillar shaped with a yellow 'x' shaped top mark, exhibiting a Fl Y 5s light character.	58° 15' 8.460" N	2° 35' 57.300" W	523521.05	6456875.58
Buoy 4 - East Cardinal Buoy , Pillar shaped with an east cardinal shaped top mark, exhibiting a Very (V) Q (3) 5 second (s) W light character	58° 10' 44.10" N	2° 32' 45.85" W	526697.39	6448719.65
Buoy 5 - Special Mark Buoy , Pillar shaped with a yellow 'x' shaped top mark, exhibiting a Fl Y 5s light character.	58° 7' 49.680" N	2° 35' 20.640" W	524201.44	6443309.27
Buoy 6 - Special Mark Buoy , Pillar shaped with a yellow 'x' shaped top mark, exhibiting a Fl Y 5s light character.	58° 6' 43.980" N	2° 38' 19.860" W	521280.40	6441260.65
Buoy 7 - Special Mark Buoy , Pillar shaped with a yellow 'x' shaped top mark, exhibiting a Fl Y 5s light character.	58° 4' 57.240" N	2° 47' 9.360" W	512624.16	6437922.64
Buoy 8 – South Cardinal , Pillar shaped with a south cardinal shaped top mark, exhibiting a V Q (6) + L Fl 10s W light character and AIS.	58° 4' 1.140" N	2° 52' 6.660" W	507757.35	6436175.21
Buoy 9 - Special Mark Buoy , Pillar shaped with a yellow 'x' shaped top mark, exhibiting a Fl Y 5s light character.	58° 8' 37.080" N	2° 50' 37.080" W	509205.67	6444712.15
Wave rider Buoy Spherical Yellow buoy FL(5) Y 20s, Light sector Y360	58° 13' 55.600" N	2° 44' 59.700" W	514686.43	6454579.53

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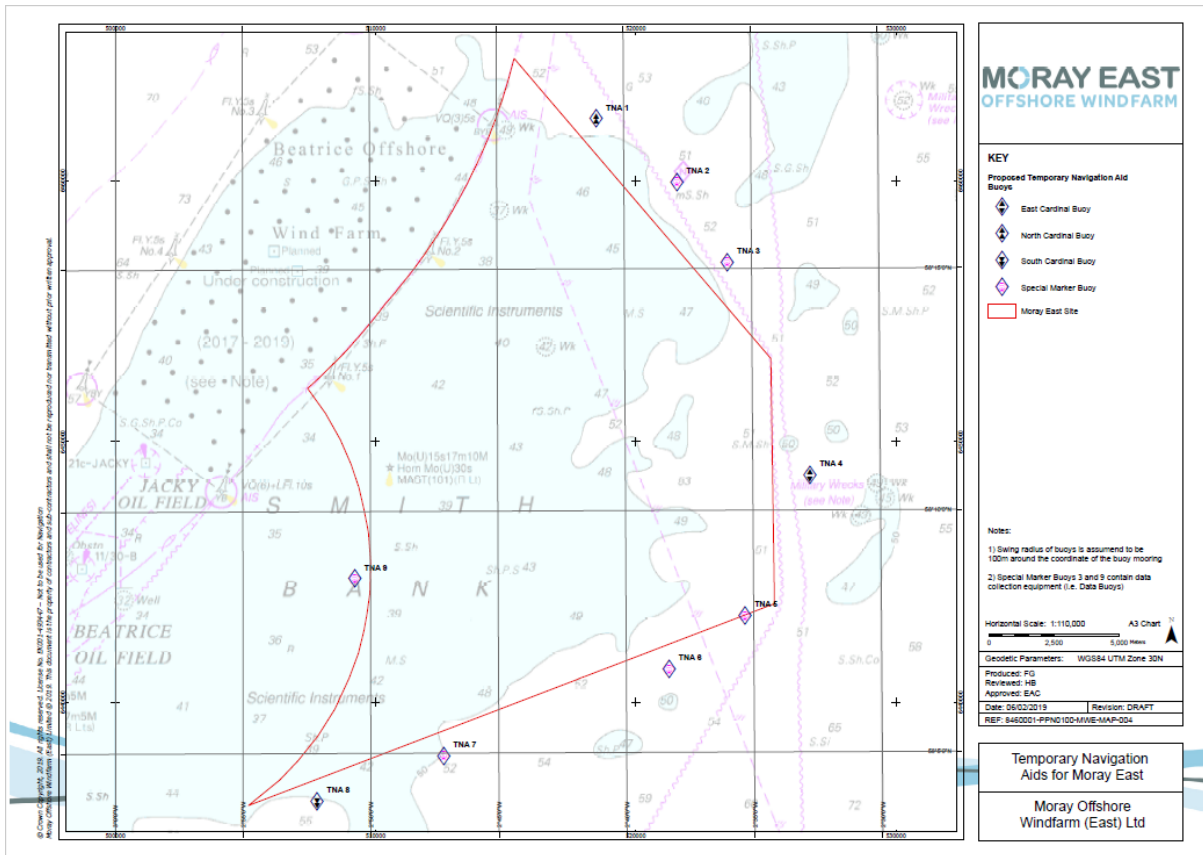


Figure 2 - Layout of demarcation buoyage, CDM Boundary of Offshore Windfarm Area (Site 1) where works will continue until end of construction.

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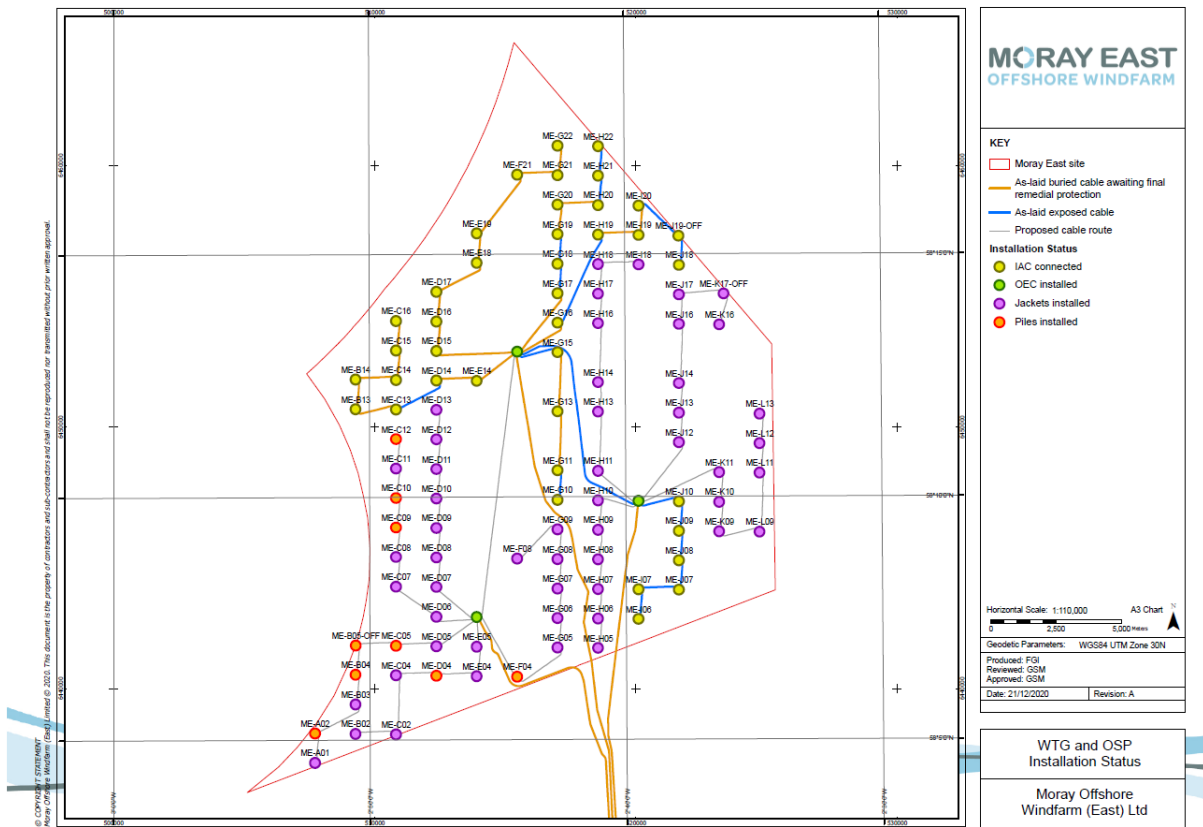


Figure 3 – Construction Status update

3. Sub Structures Package

Please be advised that Moray Offshore Windfarm (East) Limited (Moray East) has commenced soil plug removal, pile cleaning and jacket installation on all of the pre piled areas (shown in Figure 3) using Normand Energy and Seajacks Scylla and works will continue until further notice. Once the Jackets have been installed Boa Sub C will be utilised for grouting operations on the newly installed jackets. Planned construction activities are shown in Figure 03.

Table 2. WTG Location and Installation dates

Turbine ID	Latitude (DD MM.mmm)	Longitude (DD MM.mmm)	Piling Complete	Jacket Installed
ME-A01	58° 4.550' N	2° 52.147' W	19/08/2019	19/12/2020
ME-A02	58° 5.158' N	2° 52.144' W	13/10/2019	
ME-B02	58° 5.147' N	2° 50.570' W	02/11/2019	22/11/2020
ME-B03	58° 5.755' N	2° 50.567' W	20/11/2019	19/12/2020
ME-B04	58° 6.364' N	2° 50.564' W	01/09/2019	
ME-B05-OFF	58° 6.967' N	2° 50.544' W	14/10/2019	

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Turbine ID	Latitude (DD MM.mmm)	Longitude (DD MM.mmm)	Piling Complete	Jacket Installed
ME-B13	58° 11.838' N	2° 50.540' W	01/11/2019	16/07/2020
ME-B14	58° 12.446' N	2° 50.538' W	09/07/2019	24/07/2020
ME-C05	58° 6.961' N	2° 48.986' W	30/08/2019	
ME-C07	58° 8.177' N	2° 48.980' W	17/10/2019	16/12/2020
ME-C08	58° 8.785' N	2° 48.977' W	22/01/2020	15/12/2020
ME-C09	58° 9.394' N	2° 48.973' W	17/10/2019	
ME-C10	58° 10.002' N	2° 48.970' W	29/10/2019	
ME-C11	58° 10.610' N	2° 48.967' W	30/10/2019	16/12/2020
ME-C12	58° 11.218' N	2° 48.964' W	31/10/2019	
ME-C13	58° 11.826' N	2° 48.961' W	20/01/2019	26/08/2020
ME-C14	58° 12.435' N	2° 48.958' W	08/07/2019	11/07/2020
ME-C15	58° 13.043' N	2° 48.955' W	10/07/2019	03/09/2020
ME-C16	58° 13.651' N	2° 48.951' W	12/07/2019	03/09/2020
ME-D04	58° 6.341' N	2° 47.414' W	26/01/2020	05/12/2020
ME-D05	58° 6.949' N	2° 47.410' W	16/12/2019	09/12/2020
ME-D07	58° 8.166' N	2° 47.403' W	22/01/2020	12/11/2020
ME-D08	58° 8.774' N	2° 47.399' W	07/12/2019	26/11/2020
ME-D09	58° 9.382' N	2° 47.396' W	07/12/2019	26/11/2020
ME-D10	58° 9.990' N	2° 47.392' W	04/12/2019	28/11/2020
ME-D11	58° 10.598' N	2° 47.389' W	24/01/2020	28/11/2020
ME-D12	58° 11.207' N	2° 47.385' W	31/01/2020	11/11/2020
ME-D13	58° 11.815' N	2° 47.381' W	06/12/2019	12/11/2020
ME-D14	58° 12.423' N	2° 47.378' W	02/02/2020	12/07/2020
ME-D15	58° 13.031' N	2° 47.374' W	13/11/2019	09/07/2020
ME-D16	58° 13.639' N	2° 47.371' W	11/07/2019	22/08/2020
ME-D17	58° 14.248' N	2° 47.367' W	13/07/2019	24/08/2020
ME-E04	58° 6.329' N	2° 45.838' W	17/11/2019	30/11/2020
ME-E05	58° 6.937' N	2° 45.834' W	18/11/2019	30/11/2020
ME-E19	58° 15.452' N	2° 45.778' W	14/07/2019	20/09/2020
ME-F04	58° 6.317' N	2° 44.263' W	28/01/2020	03/12/2020
ME-F21	58° 16.656' N	2° 44.187' W	16/07/2019	17/08/2020
ME-G05	58° 6.913' N	2° 42.683' W	01/12/2019	07/12/2020
ME-G06	58° 7.521' N	2° 42.678' W	12/01/2020	10/12/2020
ME-G07	58° 8.129' N	2° 42.673' W	24/08/2019	02/12/2020
ME-G09	58° 9.345' N	2° 42.663' W	07/08/2019	17/12/2020
ME-G10	58° 9.954' N	2° 42.658' W	18/08/2019	14/10/2020
ME-G11	58° 10.562' N	2° 42.653' W	05/01/2020	14/10/2020
ME-G13	58° 11.778' N	2° 42.643' W	05/07/2019	10/10/2020
ME-G15	58° 12.995' N	2° 42.633' W	27/06/2019	11/10/2020

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ME-G16	58° 13.603' N	2° 42.629' W	24/06/2019	01/10/2020
ME-G17	58° 14.211' N	2° 42.624' W	17/06/2019	18/07/2020
ME-G18	58° 14.819' N	2° 42.619' W	16/06/2019	29/08/2020
ME-G19	58° 15.428' N	2° 42.614' W	09/06/2019	25/09/2020
ME-G20	58° 16.036' N	2° 42.609' W	13/02/2020	28/09/2020
ME-G21	58° 16.644' N	2° 42.604' W	22/07/2019	21/07/2020
ME-G22	58° 17.252' N	2° 42.599' W	17/07/2019	18/08/2020
ME-H05	58° 6.900' N	2° 41.107' W	30/11/2019	26/10/2020
ME-H06	58° 7.508' N	2° 41.102' W	25/12/2019	14/11/2020
ME-H07	58° 8.116' N	2° 41.096' W	24/12/2019	14/11/2020
ME-H08	58° 8.724' N	2° 41.091' W	18/12/2019	17/11/2020
ME-H09	58° 9.333' N	2° 41.086' W	05/08/2019	08/11/2020
ME-H10	58° 9.941' N	2° 41.080' W	31/12/2019	10/11/2020
ME-H13	58° 11.765' N	2° 41.064' W	04/07/2019	17/10/2020
ME-H14	58° 12.374' N	2° 41.059' W	28/06/2019	23/10/2020
ME-H16	58° 13.590' N	2° 41.048' W	23/06/2019	19/08/2020
ME-H17	58° 14.198' N	2° 41.042' W	19/06/2019	30/10/2020
ME-H18	58° 14.806' N	2° 41.037' W	08/08/2019	04/11/2020
ME-H19	58° 15.415' N	2° 41.032' W	08/06/2019	08/10/2020
ME-H20	58° 16.023' N	2° 41.026' W	24/07/2019	05/09/2020
ME-H21	58° 16.631' N	2° 41.021' W	21/07/2019	10/09/2020
ME-H22	58° 17.239' N	2° 41.015' W	18/07/2019	22/09/2020
ME-I06	58° 7.495' N	2° 39.526' W	23/10/2019	17/09/2020
ME-I07	58° 8.103' N	2° 39.520' W	26/12/2019	20/08/2020
ME-I19	58° 15.401' N	2° 39.450' W	05/06/2019	01/10/2020
ME-I20	58° 16.010' N	2° 39.444' W	07/06/2019	09/10/2020
ME-J07	58° 8.090' N	2° 37.943' W	23/08/2019	12/08/2020
ME-J08	58° 8.698' N	2° 37.937' W	22/08/2019	30/07/2020
ME-J09	58° 9.306' N	2° 37.930' W	05/02/2020	04/08/2020
ME-J10	58° 9.914' N	2° 37.924' W	04/08/2019	29/07/2020
ME-J12	58° 11.131' N	2° 37.912' W	06/02/2020	28/10/2020
ME-J13	58° 11.739' N	2° 37.905' W	02/07/2019	05/11/2020
ME-J14	58° 12.347' N	2° 37.899' W	30/06/2019	02/11/2020
ME-J16	58° 13.563' N	2° 37.886' W	21/06/2019	03/11/2020
ME-J17	58° 14.172' N	2° 37.880' W	02/06/2019	08/11/2020
ME-J18	58° 14.780' N	2° 37.874' W	20/06/2019	16/07/2020
ME-J19-OFF	58° 15.383' N	2° 37.887' W	27/02/2020	25/07/2020
ME-K09	58° 9.292' N	2° 36.353' W	28/12/2019	13/08/2020
ME-K10	58° 9.900' N	2° 36.346' W	29/07/2019	03/08/2020

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ME-K11	58° 10.509' N	2° 36.339' W	29/07/2019	27/08/2020
ME-K16	58° 13.550' N	2° 36.306' W	31/05/2019	06/11/2020
ME-K17-OFF	58° 14.189' N	2° 36.133' W	30/05/2019	06/11/2020
ME-L09	58° 9.278' N	2° 34.775' W	27/07/2019	15/09/2020
ME-L11	58° 10.494' N	2° 34.761' W	27/07/2019	16/10/2020
ME-L12	58° 11.103' N	2° 34.754' W	25/07/2019	25/10/2020
ME-L13	58° 11.711' N	2° 34.747' W	30/12/2019	27/10/2020
ME-E18	58° 14.844' N	2° 45.782' W	14/07/2019	19/09/2020
ME-E14	58° 12.411' N	2° 45.798' W	07/07/2019	05/07/2020
ME-I18	58° 14.793' N	2° 39.455' W	17/08/2019	30/10/2020
ME-F08	58° 8.750' N	2° 44.245' W	29/08/2019	21/11/2020
ME-G08	58° 8.737' N	2° 42.668' W	23/12/2019	02/12/2020
ME-H11	58° 10.549' N	2° 41.075' W	22/12/2019	21/10/2020
ME-C04	58° 6.353' N	2° 48.989' W	21/10/2019	21/12/2020
ME-C02	58° 5.136' N	2° 48.995' W	06/11/2019	16/11/2020
ME-D06	58° 7.557' N	2° 47.407' W	15/12/2019	18/12/2020
ME-OSP1	58° 7.546' N	2° 45.830' W	21/08/2019	30/08/2020
ME-OSP2	58° 13.007' N	2° 44.214' W	19/08/2019	10/08/2020
ME-OSP3	58° 9.928' N	2° 39.502' W	20/08/2019	22/07/2020

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3.1 Sub Structure Installation Vessels

Seajacks Scylla (Jacket Installation)	
General Description and Dimensions:	LOA:139 m, Beam: 50 m, Draught 7.8m
Call Sign:	3FSA3
MMSI:	356068000
On Board Contact:	Master
Offshore Manager / Party Chief:	N/A
E-mail:	Master.Scylla@Seajacks.com
Onshore Representative:	Ed Maycock



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Boa Sub C	
General Description and Dimensions:	LOA:138.5 m, Beam: 30.6 m, Draught 8.9m
Call Sign:	LAGE8
MMSI:	257342000
On Board Contact:	Master
Offshore Manager / Party Chief:	N/A
E-mail:	captain@boasubc.boa.no
Onshore Representative:	Edward Maycock



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Normand Energy (Soil plug removal)	
General Description and Dimensions:	LOA:130 m, Beam: 28 m, Draught 5.8m
Call Sign:	LAJL6
MMSI:	258728000
On Board Contact:	Master
Offshore Manager / Party Chief:	N/A
E-mail:	bridge@energy.solstad.com
Onshore Representative:	Edward Maycock



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4. Inter Array Cable installation, support works, termination and testing

Please be advised that Moray Offshore Windfarm (East) Limited (Moray East) are carrying out Inter Array Cable Burial, Testing and Termination Works within the bounds of site 1.

First campaign of cable lay is complete with cable burial ongoing. The second cable installation campaign is planned to commence early February.

The Testing and Termination Works will be carried out from the Offshore Substation Platforms and Wind Turbine Generators.

Cable Burial will be carried out by Ndeavour and Grand Canyon 3 on installed cables

Personnel and equipment for these works will be based on the Offshore Support Vessel, Siem Barracuda. Personnel and equipment will be transported by the Siem Barracuda between Offshore Substation Platforms and Wind Turbine Generators. Siem Barracuda will be completing Testing and Termination works on the cable routes identified in Figure 3.

Siem Barracuda will be restricted in its ability to manoeuvre during transfer of personnel and equipment to and from the Offshore Substation Platforms and Wind Turbine Generators.

The overall work scope will be carried out in 2 campaigns – Campaign 1 commencing 11/11/20 to 23/01/21 and Campaign 2 commencing 04/04/21 to 11/06/21

Progress on the IAC termination and testing is updated on Figure 3.

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4.1 Inter Array Cable Vessels

SIEM BARRACUDA	
General Description and Dimensions:	Walk to Work Vessel OAL: 120.8m Beam:22m Draft: 9m
Call Sign:	5BZQ3
MMSI:	21225300
On Board Contact:	Master
Offshore Manager / Party Chief:	N/A
E-mail:	captain@barracuda.siemoffshore.com
Onshore Representative:	Neil Crawford



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IAC Support Vessel Grand Canyon III	
General Description and Dimensions:	Support Vessel LOA: 127.75 m, Beam: 25.2m, Draught 6.7 m
Call Sign:	LACJ8
MMSI:	257010590
On Board Contact:	Master
Offshore Manager / Party Chief:	Jamie Davidson
E-mail:	master@grand-canyon3.no
Onshore Representative:	Ross Cox



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IAC Burial Vessel Ndeavour	
General Description and Dimensions:	IAC Burial Vessel LOA: 99 m, Beam: 30m, Draught 6.7 m
Call Sign:	5BVG3
MMSI:	209852000
On Board Contact:	Master
Offshore Manager / Party Chief:	Jamie Davidson
E-mail:	Ndeavour-captain@boskalis.com
Onshore Representative:	Ross Cox



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Crew Transfer Vessel World Bora	
General Description and Dimensions:	CTV LOA: 23.65 m, Beam: 9.5m, Draught 2.3 m
Call Sign:	OWJw2
MMSI:	219019933
On Board Contact:	Master
Offshore Manager / Party Chief:	N/A
E-mail:	ross.cox@edpr.com
Onshore Representative:	Ross Cox



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5. Moray East Offshore Wind Farm: Diving Campaign near Boyndie Bay

As part of the three export power cable installations for Moray East Offshore Wind Farm, Moray East and their contractor NKT commenced diving works near Boyndie Bay. This includes the preparation works on the HDD duct (offshore) exit (Complete), cable installation support works (Complete), and post-cable installation grouting and finishing works for the project. This diving campaign commenced 12th December until 30th December

Table 3. Site Mooring Exclusion Layout

Point	Easting	Northing	Latitude	Longitude
1	526356.83	6393653.89	57° 41.061' N	2° 33.479' W
2	526856.83	6393653.89	57° 41.059' N	2° 32.976' W
3	527032.98	6393492.07	57° 40.971' N	2° 32.800' W
4	527032.98	6392992.07	57° 40.701' N	2° 32.803' W
5	526160.16	6393440.32	57° 40.946' N	2° 33.678' W
6	526160.16	6392940.32	57° 40.677' N	2° 33.681' W
7	526837.52	6392778.31	57° 40.587' N	2° 33.001' W
8	526337.52	6392778.31	57° 40.589' N	2° 33.504' W

Table 4. Maximum Extent of Diving Works

Point	Easting	Northing	Latitude	Longitude
WC1	526606.83	6393403.89	57° 40.925' N	2° 33.229' W
WC2	526782.98	6393242.07	57° 40.837' N	2° 33.053' W
WC3	526410.16	6393190.32	57° 40.811' N	2° 33.428' W
WC4	526587.52	6393028.31	57° 40.723' N	2° 33.251' W

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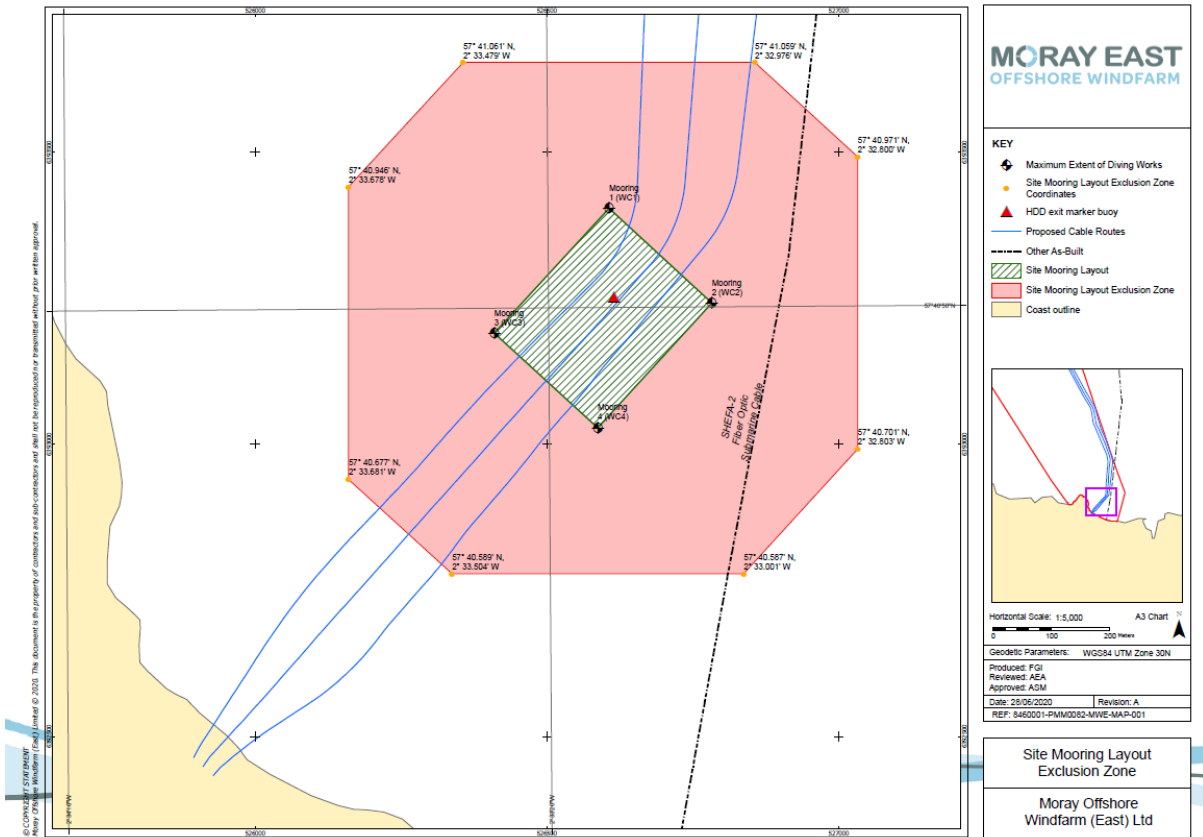


Figure 4. Site Mooring Exclusion Zone

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5.1 Diving Campaign Vessels

C-Fenna	
General Description and Dimensions:	Length 26.48m, Draught 2.61m
Call Sign:	MBAH3
MMSI:	232008023
On Board Contact:	Master
Offshore Manager / Party Chief:	N/A
E-mail:	TBC
Onshore Representative:	Andrew Small



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MV C-Spartan	
General Description and Dimensions:	LOA:12m, Draught 0.8m
Call Sign:	2B009
MMSI:	915291
On Board Contact:	Master
Offshore Manager / Party Chief:	N/A
E-mail:	TBC
Onshore Representative:	Andrew Small



6. Guard Vessels

Kinnaird Marine Limited has been appointed by Moray East to provide guard vessels during the soil plug removal campaign. Apart from times of extreme weather, there will always be at least one guard vessel on station during soil plug removal 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.

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6.1 Windfarm Area Guard Vessels (Kinnaird Marine)

GV Replenish	
General Description and Dimensions:	Guard Vessel LOA: 24.36 m, Beam: 7.17 m, Draught 3.48 m
Call Sign:	MASY7
MMSI:	235055180
On Board Contact:	Master
Offshore Manager / Party Chief:	N/A
E-mail:	gvreplenish@gmail.com
Onshore Representative:	Magnus Currie



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Bountiful	
General Description and Dimensions:	Guard Vessel LOA: 21.1m, Beam: 6.9 m, Draught 3.8m
Call Sign:	MJLF4
MMSI:	232004846
On Board Contact:	Master
Offshore Manager / Party Chief:	N/A
E-mail:	kmsability@gmail.com
Onshore Representative:	Magnus Currie



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GV KMS Kinnaird	
General Description and Dimensions:	Guard Vessel LOA: 23 m, Beam: 6 m, Draught 3.2 m
Call Sign:	GHNE
MMSI:	232004523
On Board Contact:	Master
Offshore Manager / Party Chief:	N/A
E-mail:	KMSKinnaird@gmail.com
Onshore Representative:	Magnus Currie



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6.2 NKT Guard Vessels (DR Maritime Assets Vessels Guarding Exposed Export Cable)

GV Resplendent	
General Description and Dimensions:	Guard Vessel LOA: 25.41 m, Beam: 6.42 m, Draught 2.55 m
Call Sign:	MJUJ2
MMSI:	235018597
On Board Contact:	Master
Offshore Manager / Party Chief:	N/A
E-mail:	gvresplendent@gmail.co.uk
Onshore Representative:	Andy Small



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GV RESOLUTE	
General Description and Dimensions:	Guard Vessel LOA: 25.2 m, Beam: 6.86 m, Draught 2.6 m
Call Sign:	MLPD5
MMSI:	235069036
On Board Contact:	Master
Offshore Manager / Party Chief:	N/A
E-mail:	gvresolute@gmail.co.uk
Onshore Representative:	Andy Small



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GV RESOLUTION	
General Description and Dimensions:	Guard Vessel LOA: 18.25 m, Beam: 6.58 m, Draught 3.7 m
Call Sign:	MBCZ5
MMSI:	235002260
On Board Contact:	Master
Offshore Manager / Party Chief:	N/A
E-mail:	Gvresolution@gmail.com
Onshore Representative:	Andy Small



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GV Silver Wave	
General Description and Dimensions:	Guard Vessel LOA: 18 m, Beam: 6 m, Draught 2.6 m
Call Sign:	MKQQ4
MMSI:	235031151
On Board Contact:	Master
Offshore Manager / Party Chief:	N/A
E-mail:	gvsilverwave@gmail.com
Onshore Representative:	Andy Small



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7. Crew Transfer Vessels/Offshore support

Please be advised that Moray Offshore Windfarm (East) Limited (Moray East) will be utilising CTVs (Crew Transfer Vessels) to support offshore works on the newly installed Jackets and Offshore Substations. The CTVs will be transiting daily from both Fraserburgh and Wick

Windcat 19	
General Description and Dimensions:	CTV LOA: 21m, Beam: 6 m, Draught 2.4 m
Call Sign:	2ATD3
MMSI:	235062747
On Board Contact:	Master
Offshore Manager / Party Chief:	N/A
E-mail:	windcat19@windcatworkboats.com
Onshore Representative:	Magnus Currie



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GXS VIKING (Standby from 17/11/2020)	
General Description and Dimensions:	CTV LOA: 18.2 m, Beam: 8 m, Draught 1.5 m
Call Sign:	2EKH5
MMSI:	235085842
On Board Contact:	Master
Offshore Manager / Party Chief:	N/A
E-mail:	gulfxstream@aol.com
Onshore Representative:	Magnus Currie



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Patriot	
General Description and Dimensions:	CTV LOA: 26m, Beam: 7 m, Draught 1.5 m
Call Sign:	PDEN
MMSI:	244110559
On Board Contact:	Master
Offshore Manager / Party Chief:	N/A
E-mail:	patriot@braveheartmarine.com
Onshore Representative:	Colin Allan



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Windcat 15	
General Description and Dimensions:	CTV LOA: 21m, Beam: 6 m, Draught 2.4 m
Call Sign:	2CBB3
MMSI:	235071183
On Board Contact:	Master
Offshore Manager / Party Chief:	N/A
E-mail:	windcat19@windcatworkboats.com
Onshore Representative:	Magnus Currie



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8. Meteorological Mast Unlit

Met Mast De-cluttering and Decommissioning

Please be advised that Moray Offshore Windfarm (East) Limited (Moray East) are carrying out Decommissioning of the met mast which entails the removal of the steel lattice tower as well as a subsea cut of the monopile. These operations commenced on the 23/11/2020 and are expected to last until the middle of January exclusive of weather downtime.

Personnel and equipment for these works are now based on the JUV GMS Endeavour for decluttering. Once the tower structure is demobilised, the transition piece will be removed by the Endeavour JUV also followed by the monopile which will in turn be removed by the Olympic Zeus. The Zeus may be assisted by KML Severn Sea. The Windcat 6 will be used for safety purposes providing over the side cover whilst the lattice tower is disassembled by rope access teams. Sea goldcrest will be in attendance as required as the PSV.

On completion of the works there will be an underwater obstruction to navigation comprising the concrete caisson and lower section of the monopile. A special mark buoy will be deployed to mark the obstruction and an NTM will be issued once the buoy is installed with its position.

The location of the Met Mast where the decommissioning works will take place is depicted in Figure 6 and coordinates given in Table 5.

Table 5 – Met mast coordinates

Name	Latitude (DMS)	Longitude (DMS)	Latitude (DM)	Longitude (DM)
Met Mast	58° 10' 55.680" N	2° 49' 12.892" W	58° 10.928' N	2° 49.215' W

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Figure 5 – Photograph of the Meteorological Mast

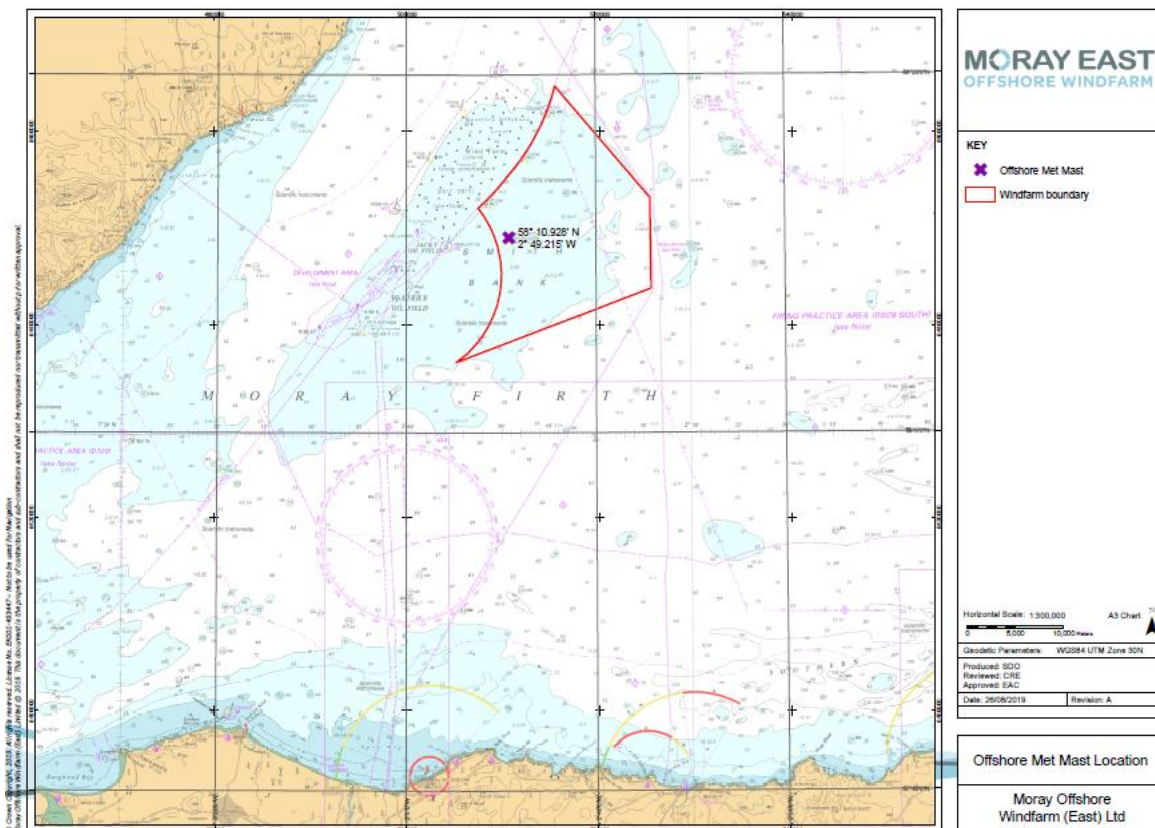


Figure 6 – Meteorological Mast location map

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8.1 Met Mast De-cluttering and decommissioning vessels

GMS Endeavour	
General Description and Dimensions:	LOA: 84.1m, Beam: 36m, Draught 5.9m
Call Sign:	3EUG6
MMSI:	370582000
On Board Contact:	Master
Offshore Manager / Party Chief:	N/A
E-mail:	endeavour.6102@fleet.gmsuae.com
Onshore Representative:	Carl Galfskiy



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Olympic Zeus	
General Description and Dimensions:	Offshore Construction vessel LOA 94 m Beam 23 m Draught 7.2 m
Call Sign:	LAUR
IMO/MMSI	9424728
On Board Contact:	Master
Offshore Manager / Party Chief:	TBN
E-mail:	TBN
Onshore Representative:	Carl Galfskiy



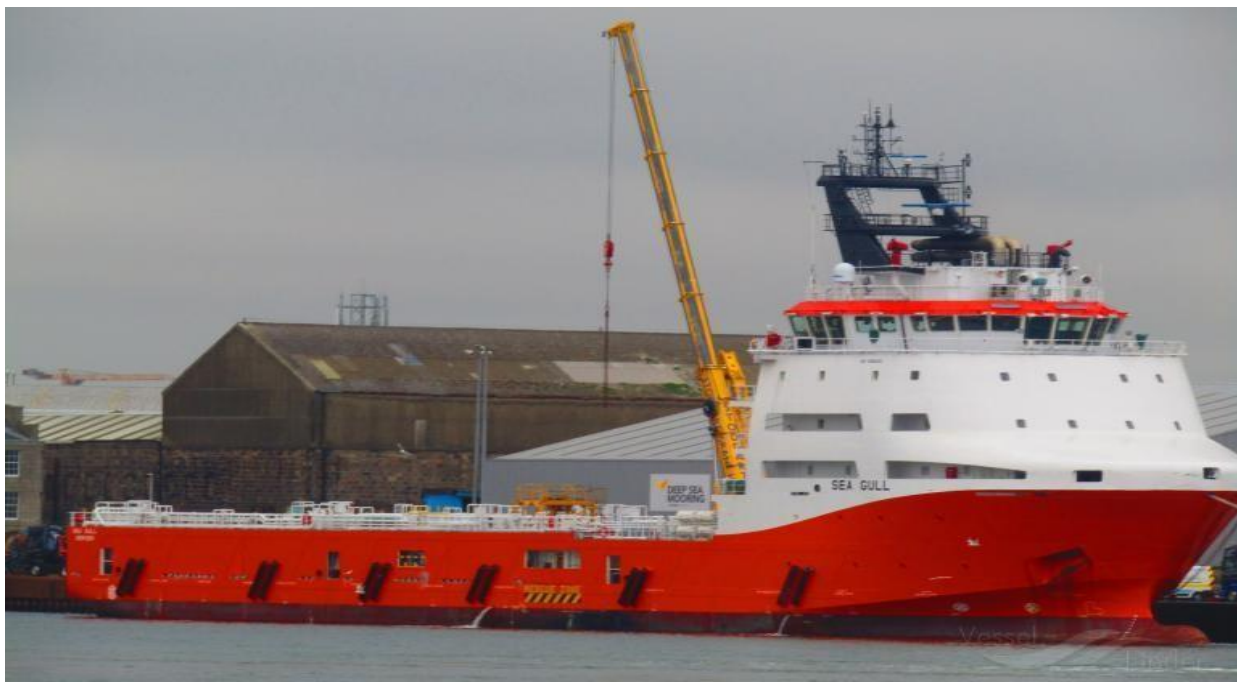
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Severn Sea	
General Description and Dimensions:	Multi purpose installation vessel
Call Sign:	2DCG5
IMO/MMSI:	8652043/235077754
On Board Contact:	Master
Offshore Manager / Party Chief:	N/A
E-mail:	severnsea@keynvormorlift.co.uk
Onshore Representative:	Carl Galfskiy



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Sea Goldcrest	
General Description and Dimensions:	PSV LOA 88.8 m Beam 20 m Draught 5 m
Call Sign:	LAMG5
IMO/MMSI	9692612
On Board Contact:	Master
Offshore Manager / Party Chief:	N/A
E-mail:	Master@seagoldcrest.Osm.No
Onshore Representative:	Carl Galfskiy



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Windcat 6	
General Description and Dimensions:	CTV LOA: 16 m, Beam: 6 m, Draught 1.9m
Call Sign:	MXFD
MMSI:	23057789
On Board Contact:	Master
Offshore Manager / Party Chief:	N/A
E-mail:	Windcat6@windcatworkboats.com
Onshore Representative:	Carl Galfskiy



9. Boulder Clearance Operations.

Please be advised that Moray Offshore Windfarm (East) Limited (Moray East) are planning to carry out boulder clearance operations with orange peel type grab at 53 WTG locations (bounded area shown in figure2) and the Offshore Met Mast. Expected duration of works is between 14-21 days, depending on weather, commenced 13/12/2020

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Table 6. Coordinates of Boulder clearance bounds

WGS84	
Latitude (DD MM.mmm)	Longitude (DD MM.mmm)
58° 6.493' N	2° 41.091' W
58° 3.983' N	2° 52.875' W
58° 12.805' N	2° 51.103' W
58° 17.585' N	2° 43.668' W
58° 17.578' N	2° 40.411' W
58° 14.271' N	2° 35.447' W
58° 11.863' N	2° 34.228' W
58° 9.122' N	2° 34.145' W

Boulder Clearance vessel Kamara	
General Description and Dimensions:	Survey Vessel LOA: 70.90 m, Beam: 16 m, Draught 5.7 m
Call Sign:	9HA4953
MMSI:	215088000
On Board Contact:	Master: kamara-captain@boskalis.com
Offshore Manager / Party Chief:	Ben Bedingham
E-mail:	Ben.bedingham@morayeast.com
Onshore Representative:	Ross Cox : ross.cox@oceanwinds.com



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10 Cable Protection Operations.

Please be advised that Moray Offshore Windfarm (East) Limited (Moray East) are planning to recommence cable protection operations post export cable installation work scope from 25th of December 2020 for a period of 2 weeks.

The Flintstone may complete post trench MBES survey work on all 3 OEC routes and Rock placement is expected in some areas along the cable route. Figure 7 plus coordinates in Table 7 below.

The rock placement is limited to some areas approximately between the three Offshore Platforms and KP18 as per Figure 7.

Table 7. Coordinates for Bounded Area

Point	Latitude	Longitude
1	58 ° 7.582' N	2 ° 45.886' W
2	58 ° 13.053' N	2 ° 44.202' W
3	58 ° 9.974' N	2 ° 39.489' W
4	58 ° 6.083' N	2 ° 44.367' W
5	58 ° 6.444' N	2 ° 42.044' W
6	58 ° 1.079' N	2 ° 40.092' W
7	58 ° 1.076' N	2 ° 39.684' W
8	57 ° 50.854' N	2 ° 39.605' W
9	57 ° 50.869' N	2 ° 39.161' W
10	57 ° 48.834' N	2 ° 39.038' W
11	57 ° 48.890' N	2 ° 38.492' W

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Flintstone	
General Description and Dimensions:	LOA: 154.6 m, Beam: 32.23 m, Draught: 7.74 m
Call Sign:	PBZD
MMSI:	245861000
On Board Contact:	Mob: +494215172191963
Offshore Manager / Party Chief:	Vessel Master
E-mail:	captain.flintstone@ships.deme-group.com
Onshore Representative:	Andy Small



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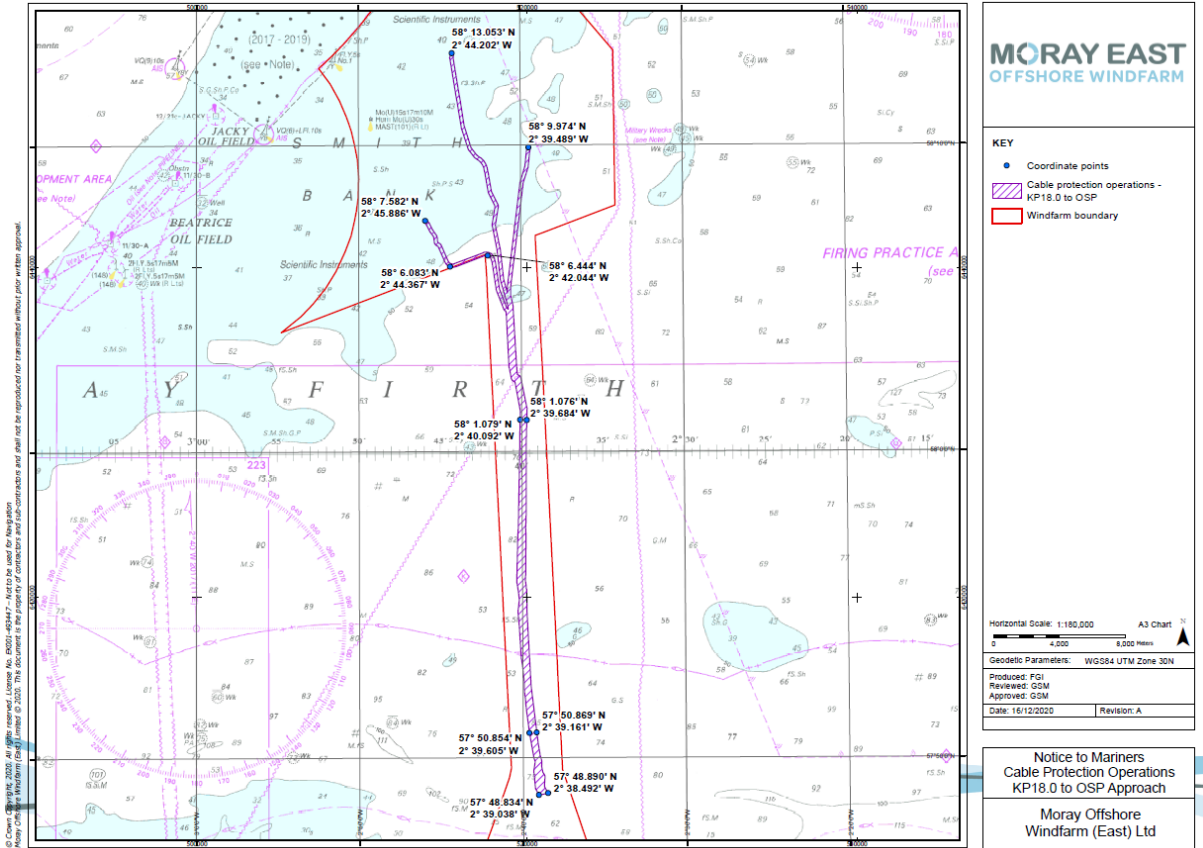


Figure 7. Bounded Cable Protection Area

11. General Safety Advice

Please be aware that by virtue of their mode of operation and the equipment deployed the Scylla, GMS Endeavour, Normand Energy, Boa Sub C, Kamara, Ndeavour, Flintstone and Grand Canyon III 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 18.

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 East site (see Figure 2) 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).

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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>).

The Scottish Ministers have authorised the use of the following safety zones as per Notice to Mariners to follow:

1. A 500 metre radius around each WTG and OSP where construction works are taking place that include sensitive activities being undertaken by vessels RAM. A maximum of three of such zones is permitted at any one time.
2. A 50 metre radius around partially completed WTGs and OSPs where work is not underway and the risk assessments identify a need.
3. A 50 metre radius around each completed WTG and OSP prior to commissioning and as required by a risk assessment process.

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 7, and keep continued watch on VHF Ch. 16, 87 and 73 when navigating the area.

Table 8. Expected Safety zones for the coming week (a maximum of three Safety Zones will be active simultaneously)

Structure requiring Safety Zone	Associated vessels	Active Safety Zones Anticipated
All Locations	GMS Endeavour	500m whenever listed vessel present, 50m otherwise
All Locations	Seajacks Scylla	500m whenever listed vessel present, 50m otherwise
All Locations	Boa Sub C	500m whenever listed vessel present, 50m otherwise
All Locations	Normand Energy	500m whenever listed vessel present, 50m otherwise
All Locations	Ndeavour	500m whenever listed vessel present, 50m otherwise
All Locations	Grand Canyon III	500m whenever listed vessel present, 50m otherwise

***Note an on site vessel will provide up to date details on a live basis as to ongoing works and safety zones.**

12 Fisheries Liaison

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

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Alex Winrow-Giffin - Brown and May Marine Ltd.

Email: alex@brownmay.com

Tel: +44 1379 872148 / + 44 7760 160039

An Offshore Fisheries Liaison Officer is currently deployed onboard the GV Replenish and GV Resplendent, the vessels can be contacted on VHF CH16 or via +44 (0) 1346 490795

13 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.

14 Website

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

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

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

15 Completed Operations

15.1 Piling Operations

Installation of all piles was completed on 27/02/2020.

The piling operations commenced on the 19th May 2019 and were completed on 27th February 2020.

The Data/positions for the installed piles are available for the following Electronic chart Plotters:

- Maxsea
- Sodena
- Olex
- Time Zero

The information is made available by contacting John Watt (Brown and May)

John.watt@brownmay.com 07590880746

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15.2 Horizontal Directional Drilling (HDD) Completed

Please be advised that Moray Offshore Windfarm (East) Limited (Moray East) have completed HDD construction works. The G1500 buoy which marked the HDD punch out area (position 57 40.8431 002 33.2214) has now been removed.

15.3 Subsea Export Cable Trenching works completed

Please be advised that Moray Offshore Windfarm (East) Limited (Moray East) have completed trenching works on the 3 installed offshore export cables (OEC's).