

<b>MORAY EAST</b> <b>WEEKLY NOTICE OF OPERATIONS</b>	Issue Date	17/08/2020
	Ref: 8460001-PC0010-MWE-REP-0076	Rev: 01

## Work Planned for the Period 17.08.2020 to 23.08.2020

*Construction work for Moray East Offshore Wind Farm commenced on the 18<sup>th</sup> 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 Inverboyndie 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;
- Boulder picking activities;
- Export Cable installation works

## 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>Telephone Number (Day Operations)</b>	+44 (0) 778 706 5714
<b>Emergency Contact (24/7)</b>	+44 (0) 1346 511 838
<b>Marine Coordinator Email</b>	<a href="mailto:MarineCoordination.MORAYEAST@Morayeast.com">MarineCoordination.MORAYEAST@Morayeast.com</a>
<b>Address</b>	Dalrymple Hall, Dalrymple St, Fraserburgh, AB43 9BD

## 2 Moray East site 1 Demarcation Buoyage

### 2.1 Moray East Construction Markers

Moray East has completed the deployment of nine construction marker buoys around the Moray East site. 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 the Table 1 below.

**Table 1 – Marker buoy locations**

Name	WGS84		WGS84 UTM Zone 30N	
	Latitude (dms)	Longitude (dms)	Easting (m)	Northing (m)
<b>Buoy 1 - North Cardinal Buoy,</b> 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
<b>Buoy 2 - Special Mark Buoy,</b> 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

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Name	WGS84		WGS84 UTM Zone 30N	
	Latitude (dms)	Longitude (dms)	Easting (m)	Northing (m)
<b>Buoy 3 - Special Mark Buoy,</b> 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
<b>Buoy 4 - East Cardinal Buoy,</b> 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
<b>Buoy 5 - Special Mark Buoy,</b> 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
<b>Buoy 6 - Special Mark Buoy,</b> 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
<b>Buoy 7 - Special Mark Buoy,</b> 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
<b>Buoy 8 – South Cardinal,</b> 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
<b>Buoy 9 - Special Mark Buoy,</b> 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
<b>Wave rider Buoy</b> <b>Spherical Yellow buoy</b> <b>FL(5) Y 20s, Light sector Y360</b>	58° 13' 55.600" N	2° 44' 59.700" W		

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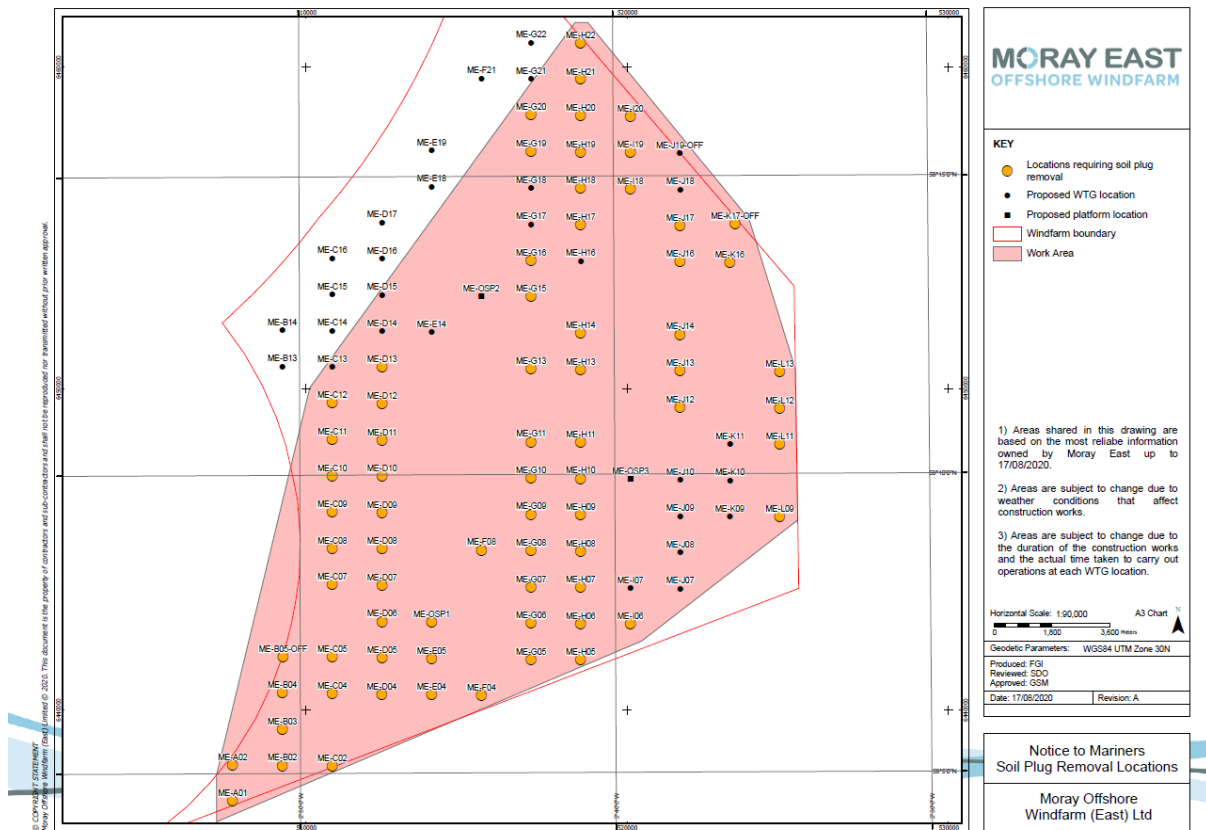


Figure 2 - Layout of demarcation buoyage

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### 3 Soil Plug Removal works

Please be advised that Moray Offshore Windfarm (East) Limited (Moray East) has re-commenced soil plug removal operations using Boa Sub C in preparation for jacket installation work within Moray East Offshore Windfarm Construction area until further notice. Soil plug removal areas shown in Figure 3 below.



**Figure 3 – Remaining soil plug removal locations**

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



**Figure 4 – Soil Plug Removal and Grouting Vessel**

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**4 Boulder Picking Campaign**

Please be advised that Moray Offshore Windfarm (East) Limited (Moray East) are conducting boulder picking operations on the export cable route and within the wind farm site using Olympic Triton, works commenced on 24<sup>th</sup> of July 2020 until further notice.

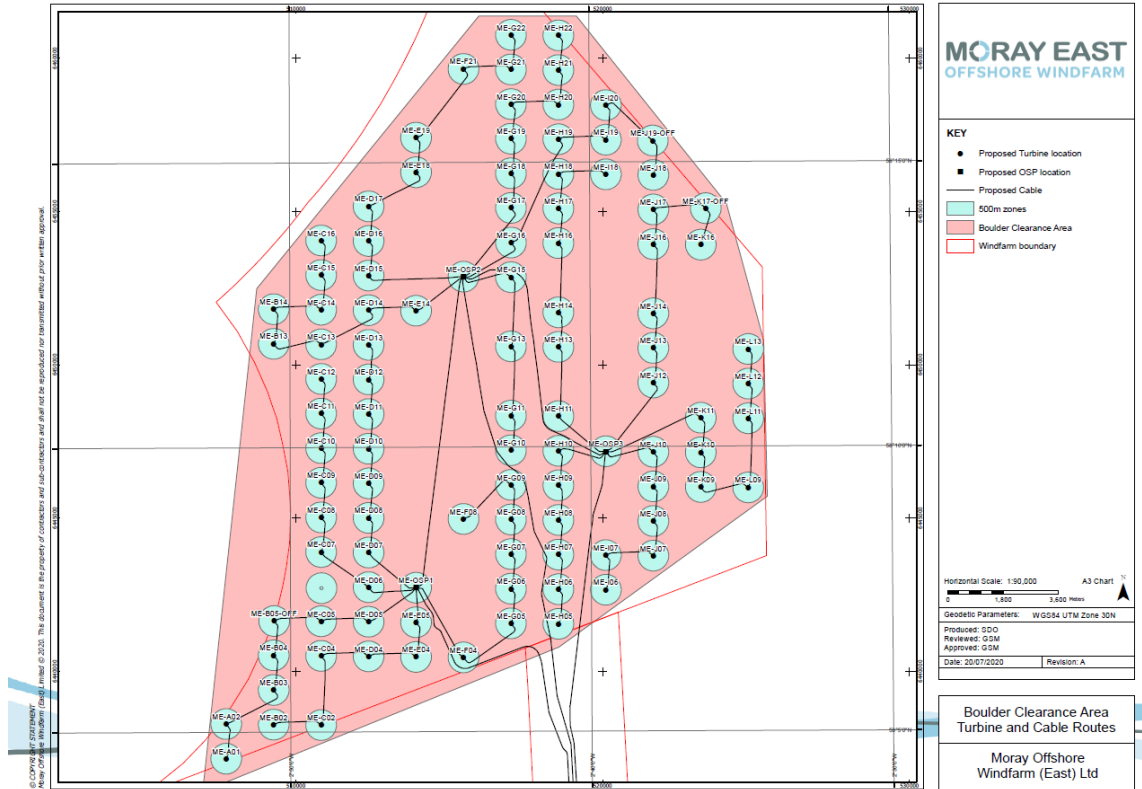
Olympic Triton	
<b>General Description and Dimensions:</b>	LOA: 95 m, Beam: 20.5 m, Draught 4.4m
<b>Call Sign:</b>	LADM3
<b>MMSI:</b>	259424000
<b>On Board Contact:</b>	Master
<b>Offshore Manager / Party Chief:</b>	N/A
<b>E-mail:</b>	<a href="mailto:Andrew.Small@morayeast.com">Andrew.Small@morayeast.com</a>
<b>Onshore Representative:</b>	Andrew Small



**Figure 5. Boulder Picking Vessel**

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**Figure 6. Boulder Picking Locations Windfarm Construction Area**

Latitude	Longitude
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



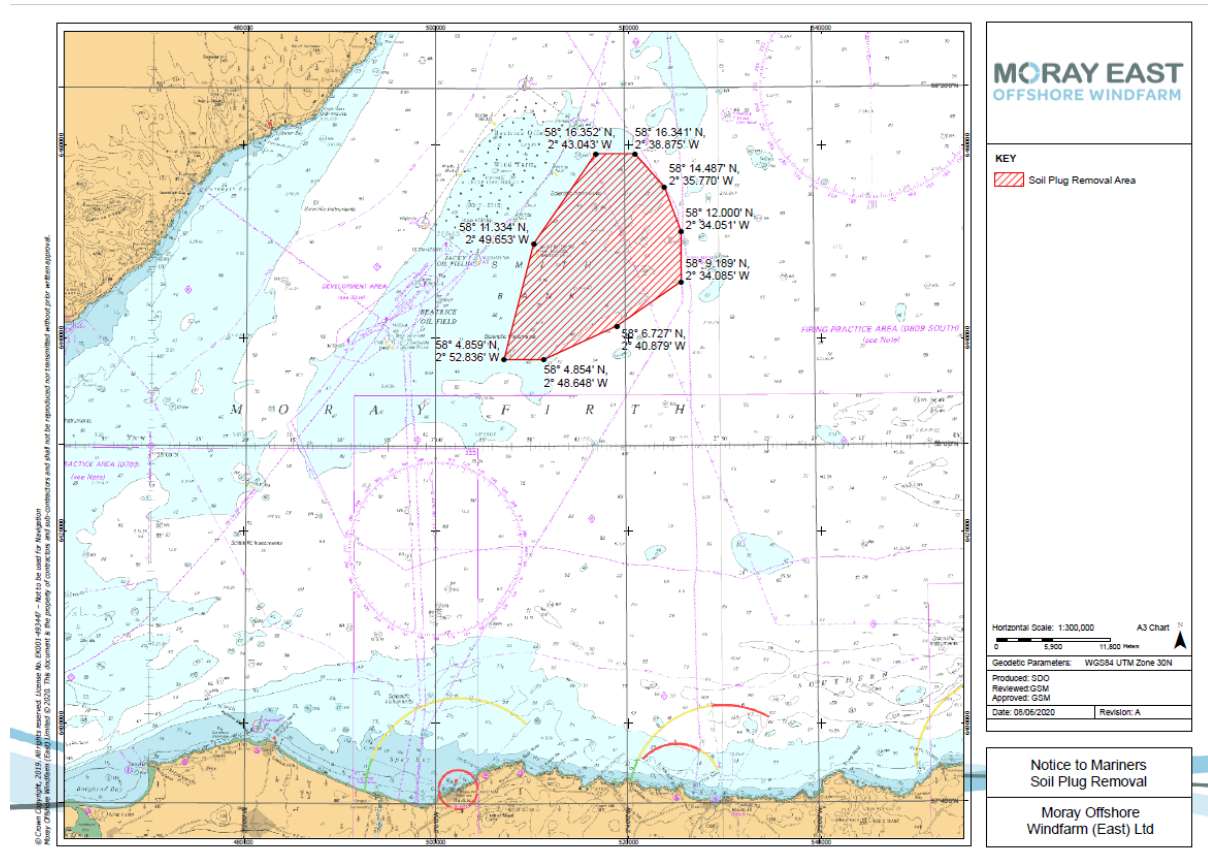
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**Table 2. Coordinates of Boulder picking WTG and IAC works.**

## **5. Jacket installation and grouting.**

Please be advised that Moray Offshore Windfarm (East) Limited (Moray East) has commenced jacket installation on all of the pre piled areas (shown in Figure 09) using Seajacks Scylla and works will continue until further notice. Once the Jackets have been installed Boa Sub C (Figure 4) will be utilised for grouting operations on the newly installed jackets as well as the continuation of the soil plug removal. Planned construction activities show in Figure 11.



**Figure 07. Moray East site 1 (Offshore Windfarm Area)**

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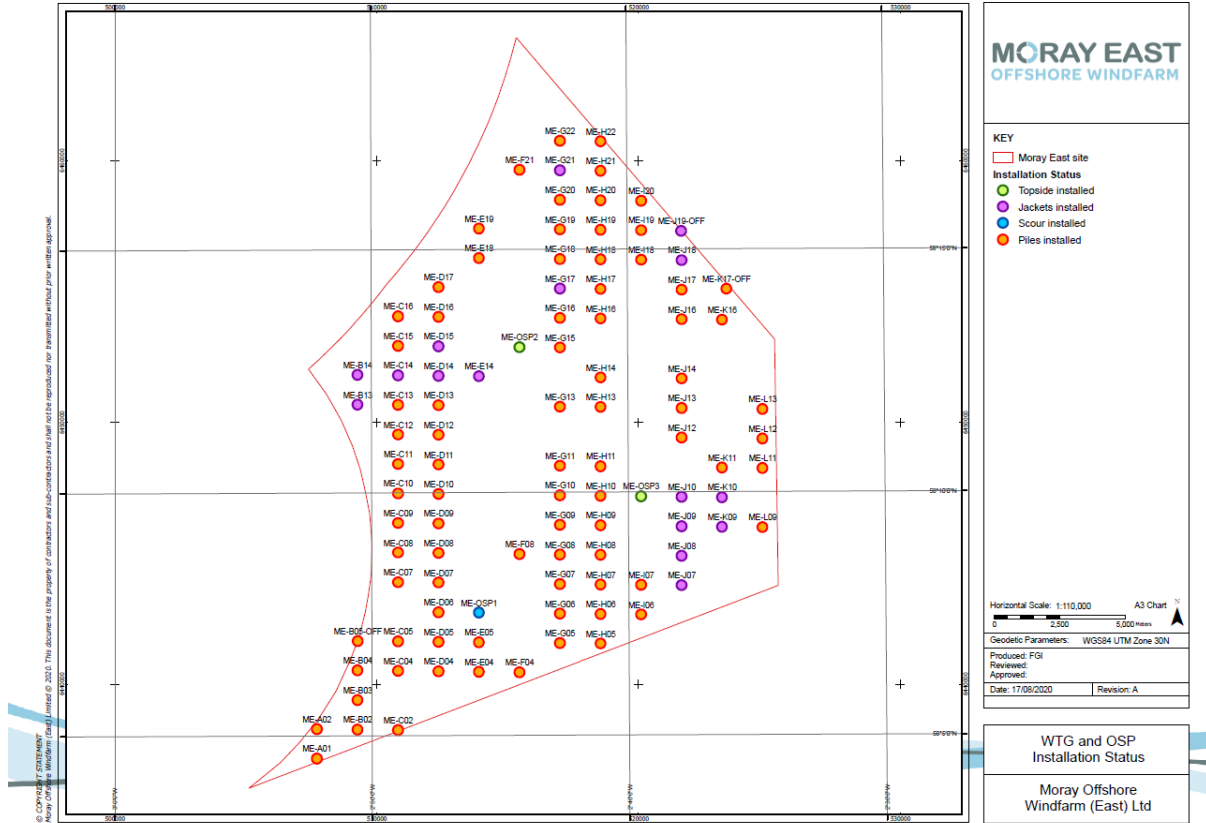


**Figure 08. Photos of the Jacket to be Installed**

#### Foundation Locations

Foundation locations for piling operations are shown in Table 3 below. Locations where piling has been completed are highlighted in Figure 09 – Turbine location map.

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**Figure 09 Turbine location and Installation Status**

**Table 3 – WTG locations and Installation Status**

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	
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	
ME-B03	58° 5.755' N	2° 50.567' W	20/11/2019	
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	
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	
ME-C08	58° 8.785' N	2° 48.977' W	22/01/2020	
ME-C09	58° 9.394' N	2° 48.973' W	17/10/2019	

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Turbine ID	Latitude (DD MM.mmm)	Longitude (DD MM.mmm)	Piling Complete	Jacket Installed
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	
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	
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	
ME-C16	58° 13.651' N	2° 48.951' W	12/07/2019	
ME-D04	58° 6.341' N	2° 47.414' W	26/01/2020	
ME-D05	58° 6.949' N	2° 47.410' W	16/12/2019	
ME-D07	58° 8.166' N	2° 47.403' W	22/01/2020	
ME-D08	58° 8.774' N	2° 47.399' W	07/12/2019	
ME-D09	58° 9.382' N	2° 47.396' W	07/12/2019	
ME-D10	58° 9.990' N	2° 47.392' W	04/12/2019	
ME-D11	58° 10.598' N	2° 47.389' W	24/01/2020	
ME-D12	58° 11.207' N	2° 47.385' W	31/01/2020	
ME-D13	58° 11.815' N	2° 47.381' W	06/12/2019	
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	
ME-D17	58° 14.248' N	2° 47.367' W	13/07/2019	
ME-E04	58° 6.329' N	2° 45.838' W	17/11/2019	
ME-E05	58° 6.937' N	2° 45.834' W	18/11/2019	
ME-E19	58° 15.452' N	2° 45.778' W	14/07/2019	
ME-F04	58° 6.317' N	2° 44.263' W	28/01/2020	
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	
ME-G06	58° 7.521' N	2° 42.678' W	12/01/2020	
ME-G07	58° 8.129' N	2° 42.673' W	24/08/2019	
ME-G09	58° 9.345' N	2° 42.663' W	07/08/2019	
ME-G10	58° 9.954' N	2° 42.658' W	18/08/2019	
ME-G11	58° 10.562' N	2° 42.653' W	05/01/2020	
ME-G13	58° 11.778' N	2° 42.643' W	05/07/2019	
ME-G15	58° 12.995' N	2° 42.633' W	27/06/2019	
ME-G16	58° 13.603' N	2° 42.629' W	24/06/2019	
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	
ME-G19	58° 15.428' N	2° 42.614' W	09/06/2019	
ME-G20	58° 16.036' N	2° 42.609' W	13/02/2020	

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Turbine ID	Latitude (DD MM.mmm)	Longitude (DD MM.mmm)	Piling Complete	Jacket Installed
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	
ME-H05	58° 6.900' N	2° 41.107' W	30/11/2019	
ME-H06	58° 7.508' N	2° 41.102' W	25/12/2019	
ME-H07	58° 8.116' N	2° 41.096' W	24/12/2019	
ME-H08	58° 8.724' N	2° 41.091' W	18/12/2019	
ME-H09	58° 9.333' N	2° 41.086' W	05/08/2019	
ME-H10	58° 9.941' N	2° 41.080' W	31/12/2019	
ME-H13	58° 11.765' N	2° 41.064' W	04/07/2019	
ME-H14	58° 12.374' N	2° 41.059' W	28/06/2019	
ME-H16	58° 13.590' N	2° 41.048' W	23/06/2019	
ME-H17	58° 14.198' N	2° 41.042' W	19/06/2019	
ME-H18	58° 14.806' N	2° 41.037' W	08/08/2019	
ME-H19	58° 15.415' N	2° 41.032' W	08/06/2019	
ME-H20	58° 16.023' N	2° 41.026' W	24/07/2019	
ME-H21	58° 16.631' N	2° 41.021' W	21/07/2019	
ME-H22	58° 17.239' N	2° 41.015' W	18/07/2019	
ME-I06	58° 7.495' N	2° 39.526' W	23/10/2019	
ME-I07	58° 8.103' N	2° 39.520' W	26/12/2019	
ME-I19	58° 15.401' N	2° 39.450' W	05/06/2019	
ME-I20	58° 16.010' N	2° 39.444' W	07/06/2019	
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	
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	
ME-J13	58° 11.739' N	2° 37.905' W	02/07/2019	
ME-J14	58° 12.347' N	2° 37.899' W	30/06/2019	
ME-J16	58° 13.563' N	2° 37.886' W	21/06/2019	
ME-J17	58° 14.172' N	2° 37.880' W	02/06/2019	
ME-J18	58° 14.780' N	2° 37.874' W	20/06/2019	17/07/2020
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	
ME-K11	58° 10.509' N	2° 36.339' W	29/07/2019	
ME-K16	58° 13.550' N	2° 36.306' W	31/05/2019	
ME-K17-OFF	58° 14.189' N	2° 36.133' W	30/05/2019	
ME-L09	58° 9.278' N	2° 34.775' W	27/07/2019	

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ME-L11	58° 10.494' N	2° 34.761' W	27/07/2019	
ME-L12	58° 11.103' N	2° 34.754' W	25/07/2019	
ME-L13	58° 11.711' N	2° 34.747' W	30/12/2019	
ME-E18	58° 14.844' N	2° 45.782' W	14/07/2019	
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	
ME-F08	58° 8.750' N	2° 44.245' W	29/08/2019	
ME-G08	58° 8.737' N	2° 42.668' W	23/12/2019	
ME-H11	58° 10.549' N	2° 41.075' W	22/12/2019	
ME-C04	58° 6.353' N	2° 48.989' W	21/10/2019	
ME-C02	58° 5.136' N	2° 48.995' W	06/11/2019	
ME-D06	58° 7.557' N	2° 47.407' W	15/12/2019	
ME-OSP1	58° 7.546' N	2° 45.830' W	21/08/2019	
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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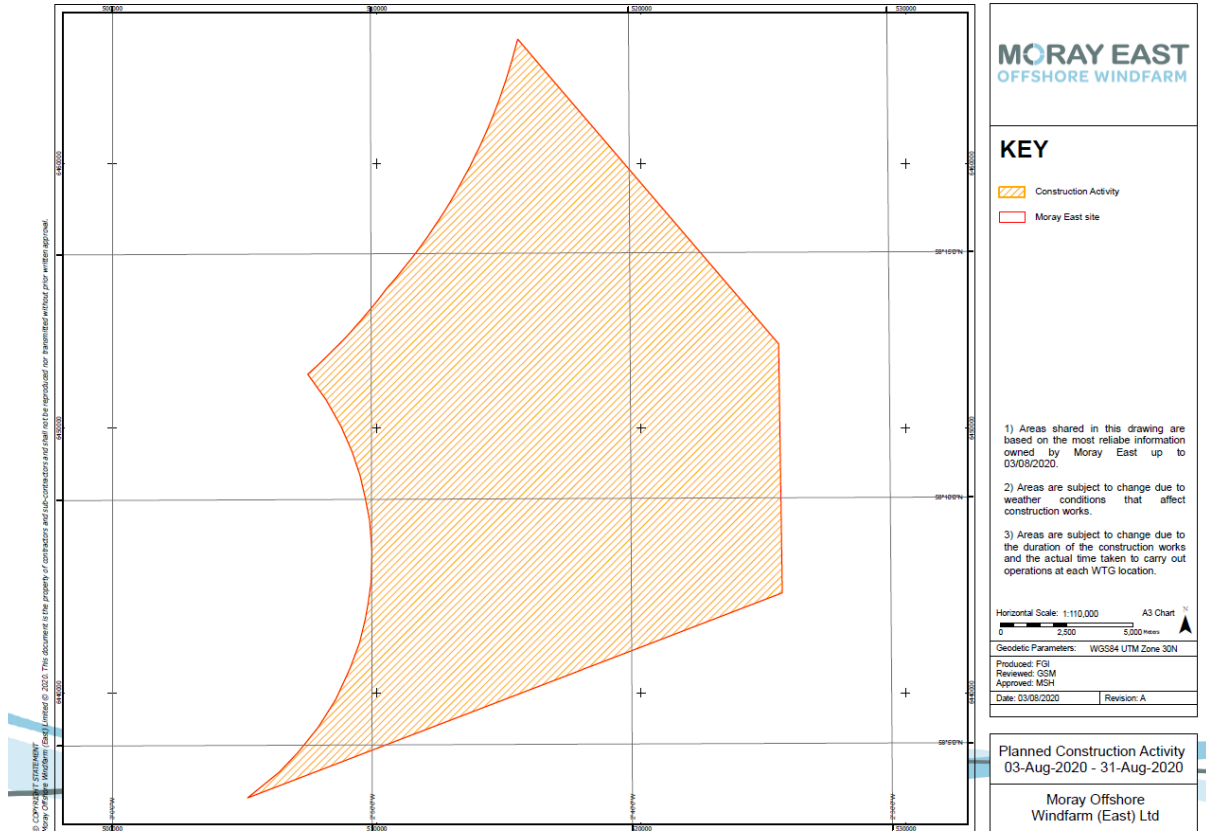
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Seajacks Scylla (Jacket Installation)	
<b>General Description and Dimensions:</b>	LOA:139 m, Beam: 50 m, Draught 7.8m
<b>Call Sign:</b>	3FSA3
<b>MMSI:</b>	356068000
<b>On Board Contact:</b>	Master
<b>Offshore Manager / Party Chief:</b>	N/A
<b>E-mail:</b>	Master.Scylla@Seajacks.com
<b>Onshore Representative:</b>	Ed Maycock



**Figure 10. Jacket installation Vessel.**

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**Figure 11. Construction activity planned**

**6. Subsea power cable (x3 export routes – wind farm to landfall) laying and trenching operations**

Please be advised that Moray Offshore Windfarm (East) Limited (Moray East) have commenced cable laying prior to trenching works, planned commencement latter in the week (two separate vessels)

Vessel “NKT Victoria” will be laying the subsea power cables; two remaining cables between the Moray East offshore wind farm site and the cable landfall (via three separate drilled HDD ducts near Boyndie Bay).

Vessel “Havila Phoenix” will be undertaking operations to bury these three subsea power cables below the seabed, via means of remotely operated trenching vehicles.

Cable laying is expected to be completed by circa 3<sup>rd</sup> October 2020.

Cable trenching is expected to be ongoing until early November but will be followed by a separate campaign to install remedial protection over the cables on any remaining unburied/unprotected

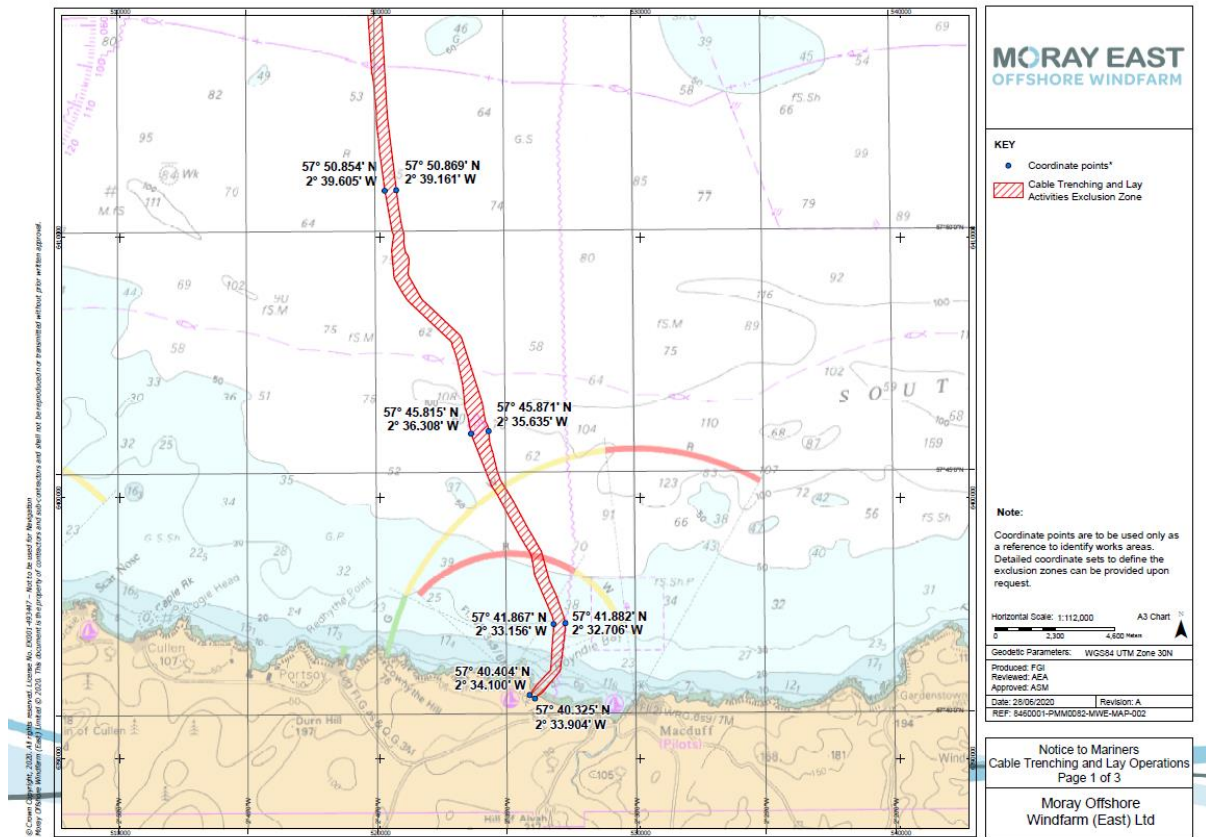


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sections which will be Guarded by the Guard Vessels listed below in section 8. Details on remedial campaign(s) will be provided nearer the time of execution.

The above dates include some weather contingency, however the operations may be subject to further extension.



**Figure 12. Lay and trenching works area (Nearshore)**

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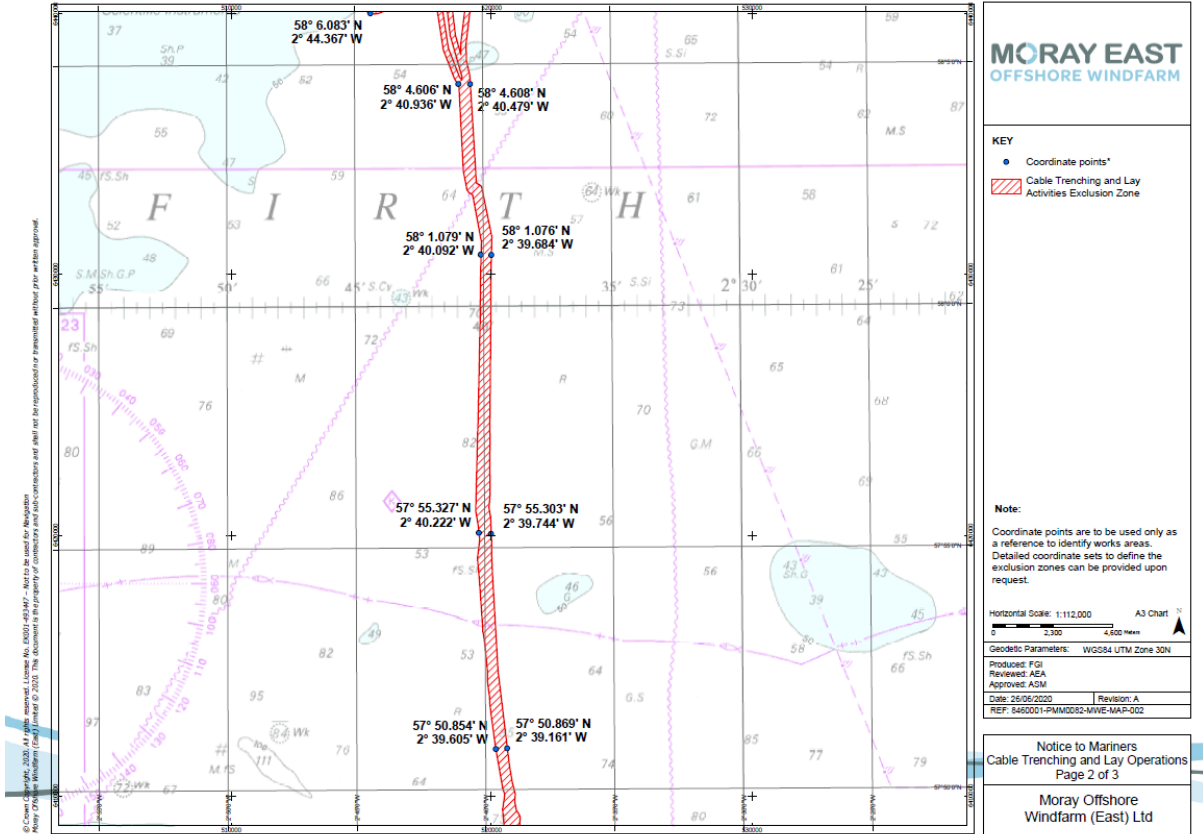


Figure 13. Lay and trenching works area (Mid OEC)

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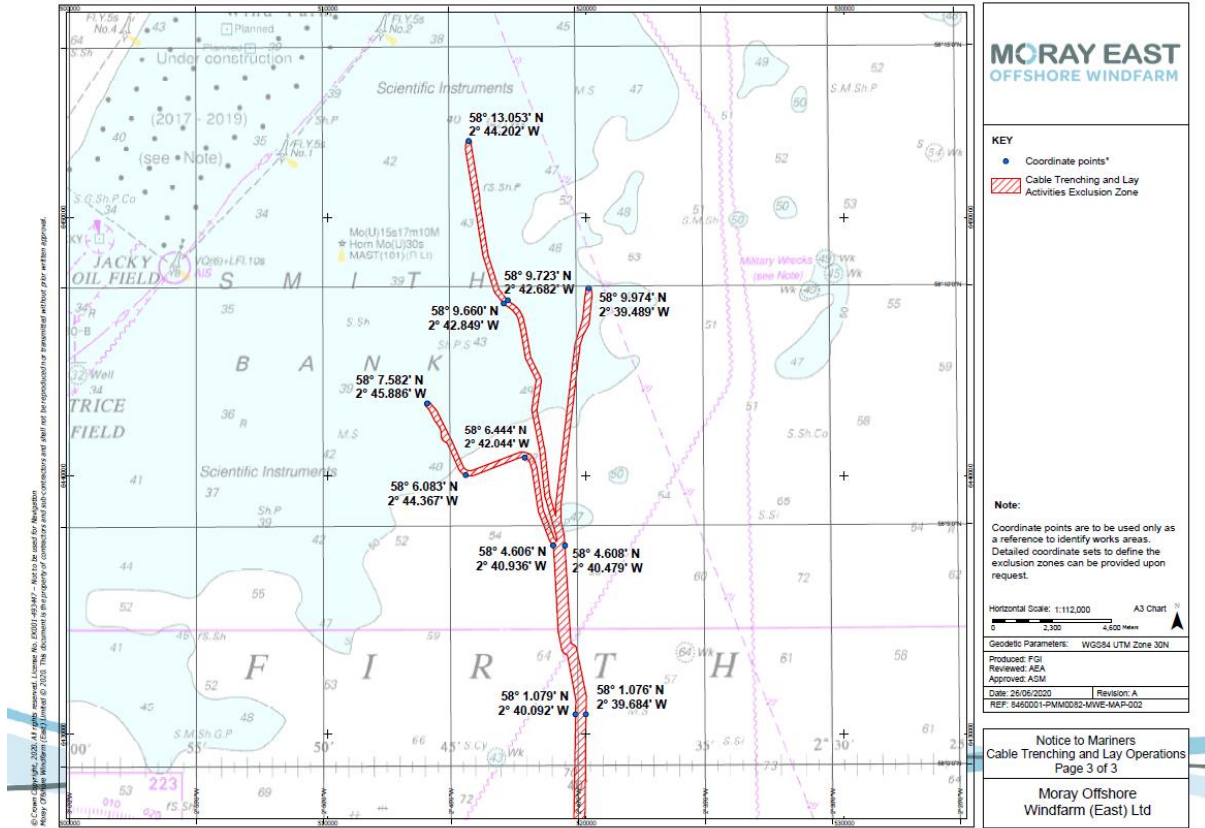


Figure 14. Lay and trenching works area (OEC North and wind farm site)

**\*Note:** these are provided as a reference, they do not fully define the complex shape of the proposed works area

Table 4. Cable Trenching and Lay Activities Works Area:

Point	Easting	Northing	Latitude	Longitude
1	513855.2763	6442802.362	58° 7.582' N	2° 45.886' W
2	515468.7792	6452962.218	58° 13.053' N	2° 44.202' W
3	520112.6762	6447268.831	58° 9.974' N	2° 39.489' W
4	515357.5066	6440026.992	58° 6.083' N	2° 44.367' W
5	517636.478	6440706.692	58° 6.444' N	2° 42.044' W
6	519602.4744	6430759.824	58° 1.079' N	2° 40.092' W

# MORAY EAST OFFSHORE WINDFARM

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7	520004.1422	6430757.137	58° 1.076' N	2° 39.684' W
8	520177.1892	6411789.465	57° 50.854' N	2° 39.605' W
9	520616.2838	6411820.099	57° 50.869' N	2° 39.161' W
10	525747.2719	6392431.514	57° 40.404' N	2° 34.100' W
11	523493.9396	6402457.701	57° 45.815' N	2° 36.308' W
12	524160.4246	6402565.899	57° 45.871' N	2° 35.635' W
13	527114.2579	6395183.312	57° 41.882' N	2° 32.706' W
14	525943.12	6392286.029	57° 40.325' N	2° 33.904' W
15	526667.8056	6395151.833	57° 41.867' N	2° 33.156' W
16	519526.6583	6420086.935	57° 55.327' N	2° 40.222' W
17	519998.6634	6420045.415	57° 55.303' N	2° 39.744' W
18	518740.8304	6437300.968	58° 4.606' N	2° 40.936' W
19	519189.6402	6437305.956	58° 4.608' N	2° 40.479' W
20	516984.1033	6446788.996	58° 9.723' N	2° 42.682' W
21	516820.0648	6446669.754	58° 9.660' N	2° 42.849' W

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Currently One Export cable has been laid and in wet storage until trenching works commence.  
Figures 15 and 16

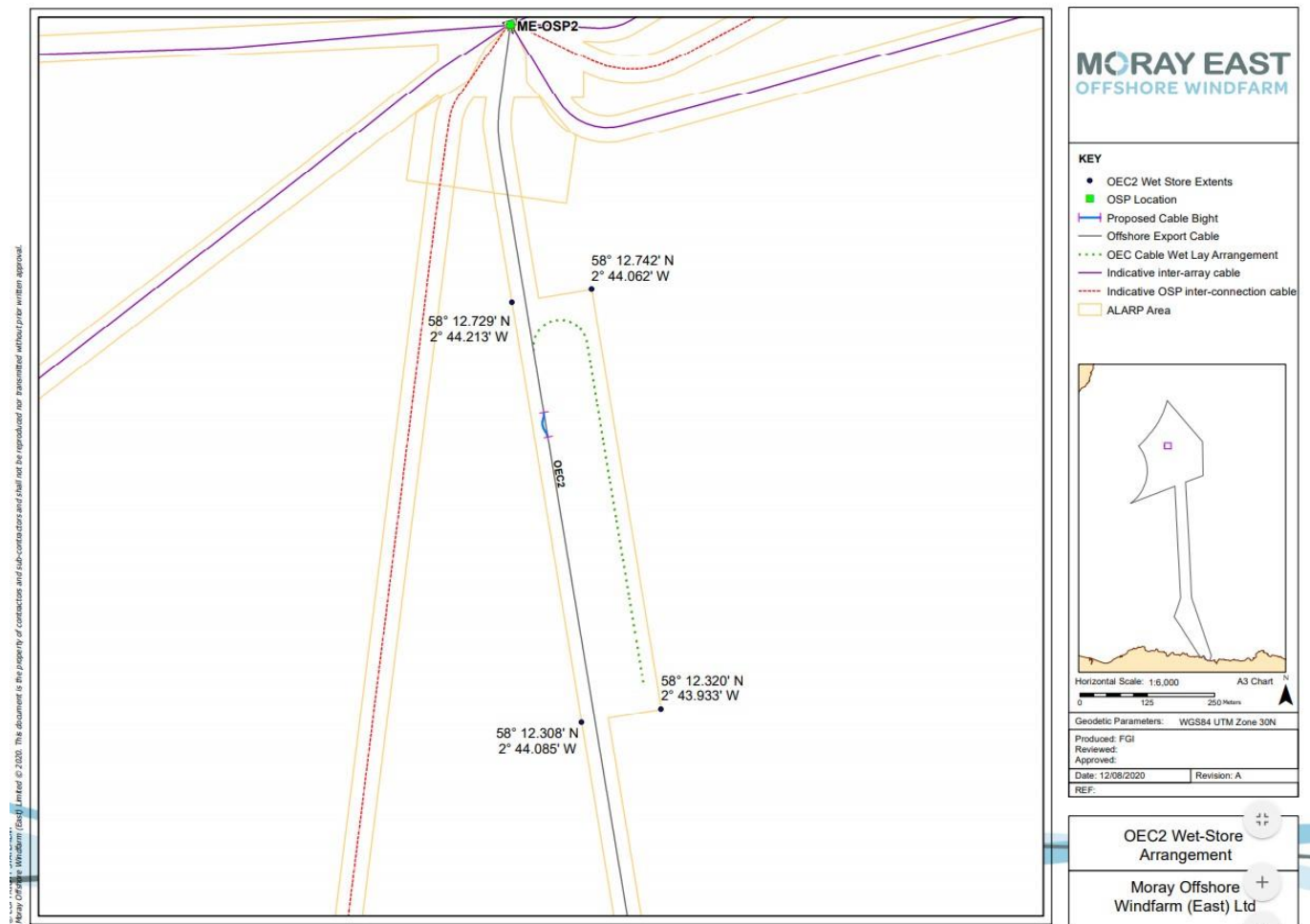
Figure 15. As laid Wet Stow area Nearshore and mid cable route



# MORAY EAST OFFSHORE WINDFARM

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Figure 16. As laid Wet Stow area Site 1



# MORAY EAST OFFSHORE WINDFARM

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<b>NKT Victoria</b>	
General Description and Dimensions:	LOA:140m, Beam 29.6m, Draught 7.2m
Call Sign:	LAWV7
MMSI:	257016000
On Board Contact:	Master
Offshore Manager / Party Chief:	N/A
E-mail:	<a href="mailto:captain.victoria@remoy-management.no">captain.victoria@remoy-management.no</a>
Onshore Representative:	Andrew Small



**Figure 17. Cable lay vessel**

# MORAY EAST OFFSHORE WINDFARM

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Havila Phoenix	
<b>General Description and Dimensions:</b>	Length 127.4m, Beam 23m Draught 6.35m
<b>Call Sign:</b>	C6BD2
<b>MMSI:</b>	311000229
<b>On Board Contact:</b>	Master
<b>Offshore Manager / Party Chief:</b>	N/A
<b>E-mail:</b>	TBC
<b>Onshore Representative:</b>	Andrew Small



**Figure 18. Cable burial vessel.**



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**7. Moray East Offshore Wind Farm: Diving Campaign near Boyndie Bay (Works suspended until 23/08/2020)**

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, cable installation support works, and post-cable installation grouting and finishing works for the project.

Work on the duct and surrounding area will be undertaken by divers connected to diving support vessel “MV C-Fenna” operated by Leask Marine. During diving operations this vessel will be positioned via a four-point anchor mooring spread. Also active during this time will be a crew transfer vessel assisting operations and transferring personnel will be the MV “C-Spartan”, also operated by Leask Marine.

For diving vessel moorings, for the avoidance of any fishing gear or buoyed items posing risk of wire entanglement based on anchor positions, these are marked on the drawing below.

Moray East commenced diving preparation works on the 16<sup>th</sup> of July 2020, for the duct preparation works, and diving works will continue on all three cables for installation support, and post-installation grouting and finishing works. This diving campaign is expected to reach completion circa 18<sup>th</sup> October 2020.

The above dates include some estimated/expected weather delays, however, this activity may be subject to further extension of works.

# MORAY EAST OFFSHORE WINDFARM

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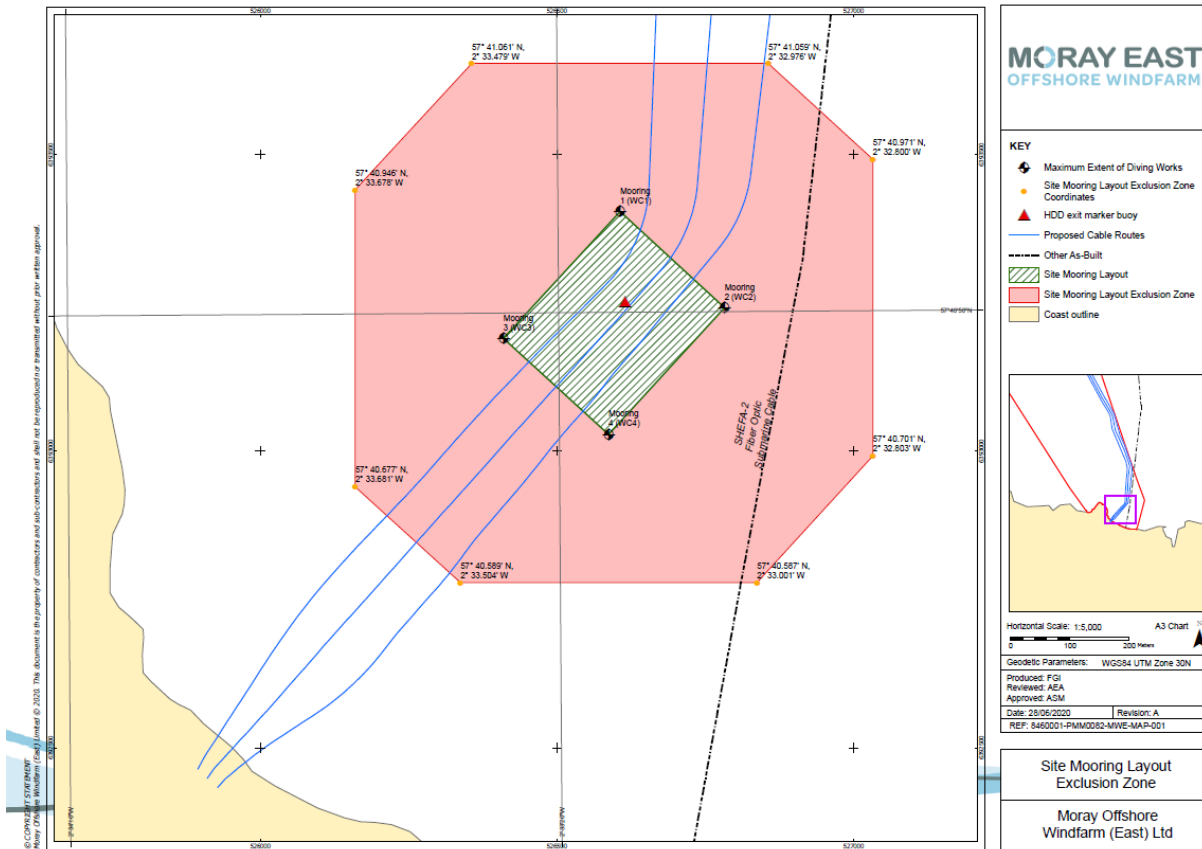


Figure 19. Site mooring exclusion zone.

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**Site Mooring Layout Exclusion Zone:**

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

**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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**7.1 Diving support vessel**

<b>C-Fenna</b>	
<b>General Description and Dimensions:</b>	Length 26.48m, Draught 2.61m
<b>Call Sign:</b>	MBAH3
<b>MMSI:</b>	232008023
<b>On Board Contact:</b>	Master
<b>Offshore Manager / Party Chief:</b>	N/A
<b>E-mail:</b>	<a href="mailto:c-fenna@leaskmarine.com">c-fenna@leaskmarine.com</a>
<b>Onshore Representative:</b>	Andrew Small



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**7.2 Diving support CTV**

<b>MV C-Spartan</b>	
<b>General Description and Dimensions:</b>	LOA:12m, Draught 0.8m
<b>Call Sign:</b>	2B009
<b>MMSI:</b>	915291
<b>On Board Contact:</b>	Master
<b>Offshore Manager / Party Chief:</b>	N/A
<b>E-mail:</b>	<a href="mailto:john@leaskmarine.com">john@leaskmarine.com</a> >
<b>Onshore Representative:</b>	Andrew Small



**8. Guard Vessels**

Kinnaird Marine Limited has been appointed by Moray East to provide guard vessels during the construction works. Apart from times of extreme weather, there will always be at least one guard vessel on station during construction 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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**8.1 Windfarm Area Guard Vessels**

Guard Vessel – GV Replenish

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



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Guard Vessel – Bountiful

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



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**Guard Vessel - Kinnaird**

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





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8.2 NKT Guard vessels (Export Cable)

GV Rover Alpha

GV Rover Alpha	
<b>General Description and Dimensions:</b>	Guard Vessel LOA: 19.21 m, Beam: 6 m, Draught 3.4 m
<b>Call Sign:</b>	MLAS2
<b>MMSI:</b>	235010380
<b>On Board Contact:</b>	Master
<b>Offshore Manager / Party Chief:</b>	N/A
<b>E-mail:</b>	rinkster@nessoffshore.co.uk
<b>Onshore Representative:</b>	Andy Small



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**GV Adventure**

<b>GV Adventure</b>	
<b>General Description and Dimensions:</b>	Guard Vessel LOA: 24 m, Beam: 6 m, Draught 4.3 m
<b>Call Sign:</b>	21FE4
<b>MMSI:</b>	235109237
<b>On Board Contact:</b>	Master
<b>Offshore Manager / Party Chief:</b>	N/A
<b>E-mail:</b>	Gvadventure3@gmail.com
<b>Onshore Representative:</b>	Andy Small



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**GV Diligent**

<b>GV Diligent</b>	
<b>General Description and Dimensions:</b>	Guard Vessel LOA: 25.1 m, Beam: 6.43 m, Draught 3.4 m
<b>Call Sign:</b>	MJZK7
<b>MMSI:</b>	232007970
<b>On Board Contact:</b>	Master
<b>Offshore Manager / Party Chief:</b>	N/A
<b>E-mail:</b>	
<b>Onshore Representative:</b>	Andy Small



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**GV Resplendent**

<b>GV Resplendent</b>	
<b>General Description and Dimensions:</b>	Guard Vessel LOA: 25.41 m, Beam: 6.42 m, Draught 2.55 m
<b>Call Sign:</b>	MJUU2
<b>MMSI:</b>	235018597
<b>On Board Contact:</b>	Master
<b>Offshore Manager / Party Chief:</b>	N/A
<b>E-mail:</b>	gvresplendent@gmail.co.uk
<b>Onshore Representative:</b>	Andy Small



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**GV Resilient**

<b>GV RESILIENT 111</b>	
<b>General Description and Dimensions:</b>	Guard Vessel LOA: 26 m, Beam: 7 m, Draught 2.6 m
<b>Call Sign:</b>	SEEG
<b>MMSI:</b>	232711000
<b>On Board Contact:</b>	Master
<b>Offshore Manager / Party Chief:</b>	N/A
<b>E-mail:</b>	
<b>Onshore Representative:</b>	Andy Small



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**GV Resolute**

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



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**GV Resolution**

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



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**GV Silver Wave**

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





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**GV ABILITY**

<b>GV Ability</b>	
<b>General Description and Dimensions:</b>	Guard Vessel LOA: 23.06 m, Beam: 6.4 m, Draught 2.6 m
<b>Call Sign:</b>	MDFW3
<b>MMSI:</b>	235014666
<b>On Board Contact:</b>	Master
<b>Offshore Manager / Party Chief:</b>	N/A
<b>E-mail:</b>	gvability@gmail.com
<b>Onshore Representative:</b>	Andy Small



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**9. Crew Transfer Vessels/Offshore support**

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

Windcat 17	
<b>General Description and Dimensions:</b>	CTV LOA: 22 m, Beam: 6.5 m, Draught 1.9m
<b>Call Sign:</b>	2BYD5
<b>MMSI:</b>	235070402
<b>On Board Contact:</b>	Master
<b>Offshore Manager / Party Chief:</b>	N/A
<b>E-mail:</b>	<a href="mailto:colin.allan@morayeast.com">colin.allan@morayeast.com</a>
<b>Onshore Representative:</b>	Colin Allan



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<b>Cwind Broch</b>	
<b>General Description and Dimensions:</b>	CTV LOA: 23.29m, Beam: 6.5 m, Draught 2.4 m
<b>Call Sign:</b>	2DMP7
<b>MMSI:</b>	235080287
<b>On Board Contact:</b>	Master
<b>Offshore Manager / Party Chief:</b>	N/A
<b>E-mail:</b>	BROCH@CWIND.GLOBAL
<b>Onshore Representative:</b>	Magnus Currie



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<b>GXS VIKING</b>	
<b>General Description and Dimensions:</b>	CTV LOA: 18.2 m, Beam: 8 m, Draught 1.5 m
<b>Call Sign:</b>	2EKH5
<b>MMSI:</b>	235085842
<b>On Board Contact:</b>	Master
<b>Offshore Manager / Party Chief:</b>	N/A
<b>E-mail:</b>	TBC
<b>Onshore Representative:</b>	Magnus Currie



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AQUATA	
<b>General Description and Dimensions:</b>	CTV LOA: 25.75 m, Beam: 10.4 m, Draught 1.75 m
<b>Call Sign:</b>	LXAQ
<b>MMSI:</b>	253415000
<b>On Board Contact:</b>	Master
<b>Offshore Manager / Party Chief:</b>	N/A
<b>E-mail:</b>	TBC
<b>Onshore Representative:</b>	Magnus Currie



### **10. General Safety Advice**

Please be aware that by virtue of their mode of operation and the equipment deployed the Scylla, Olympic Triton, Boa Sub C, Victoria, Havila Phoenix and the C Fenna 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.

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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).

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>).

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 wide berth.

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.

### **11. Meteorological Mast Unlit**

Please be advised that Moray Offshore Windfarm (East) Limited (Moray East) Meteorological Mast (Figure 20, 21 and Table 5) aviation light is currently not operating. Moray East will be carrying out some maintenance and survey works on the Meteorological Mast using support vessel Waterfall from the 19<sup>th</sup> of August with expected completion being 22<sup>nd</sup> of August

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**Support Vessel - Waterfall**

Waterfall	
<b>General Description and Dimensions:</b>	Support Vessel
<b>Call Sign:</b>	2CBT4
<b>MMSI:</b>	235071392
<b>On Board Contact:</b>	Master
<b>Offshore Manager / Party Chief:</b>	N/A
<b>E-mail:</b>	bill@moraymarine.com
<b>Onshore Representative:</b>	Paul Mewse <a href="mailto:Paul.Mewse@morayeast.com">Paul.Mewse@morayeast.com</a>



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Figure 20 – Photograph of the Meteorological Mast

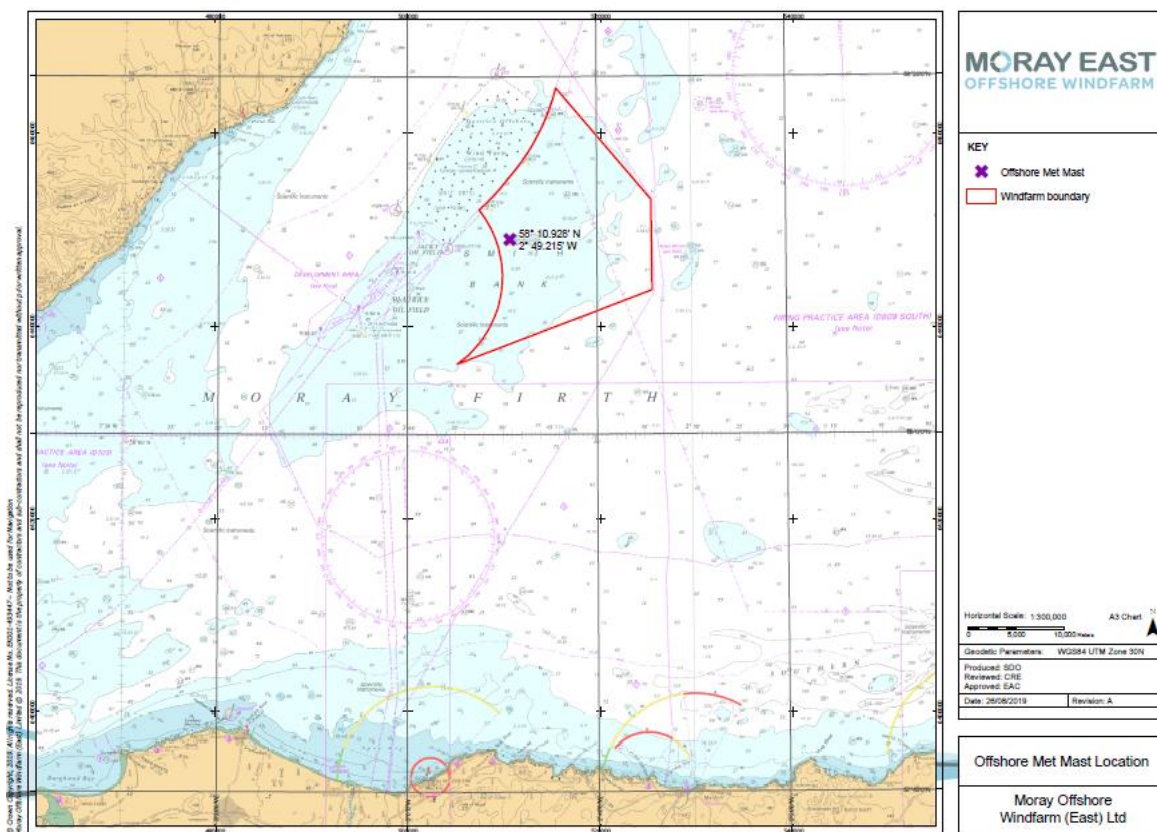


Figure 21 – Meteorological Mast location map



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**Table 5 – Met mast coordinates**

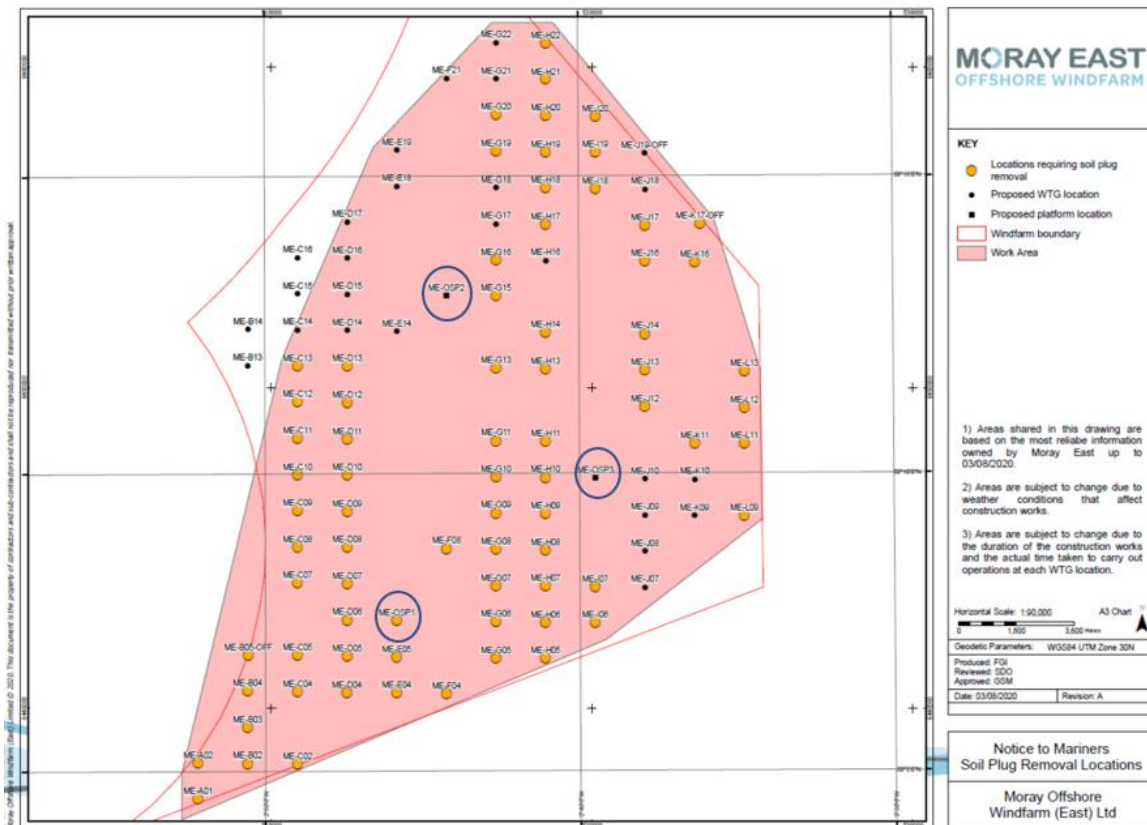
Name	Latitude (DMS)	Longitude (DMS)	Latitude (DM)	Longitude (DM)
<b>Met Mast</b>	58° 10' 55.680" N	2° 49' 12.892" W	58° 10.928' N	2° 49.215' W

**12 Accommodation JUV vessel for commissioning of Offshore Substation Platforms**

Please be advised that Moray Offshore Windfarm (East) Limited (Moray East) are planning to deploy the Jack Up Vessel **GMS Endeavour** to Site 1. The vessel will supply accommodation for workers carrying out commissioning works on OSP1, OSP2 and OSP3 (within Figure 22 bounded area/Site 1). She will be located next to the structures circled on Figure 22.

Commencing circa 19/08/2020 until further notice .

**Figure 22. Area of Operation**



Location ID	Latitude (DD MM.mmm)	Longitude (DD MM.mmm)
ME-OSP1	58° 7.546' N	2° 45.830' W
ME-OSP2	58° 13.007' N	2° 44.214' W
ME-OSP3	58° 9.928' N	2° 39.502' W

**Table 6 Coordinates of OSP's**

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**JUV GMS Endeavour**

<b>GMS Endeavour</b>	
<b>General Description and Dimensions:</b>	LOA: 84.1m, Beam: 36m, Draught 5.9m
<b>Call Sign:</b>	3EUG6
<b>MMSI:</b>	370582000
<b>On Board Contact:</b>	Master
<b>Offshore Manager / Party Chief:</b>	John Bromwell
<b>E-mail:</b>	endeavour.6102@fleet.gmsuae.com
<b>Onshore Representative:</b>	Ross Cottam

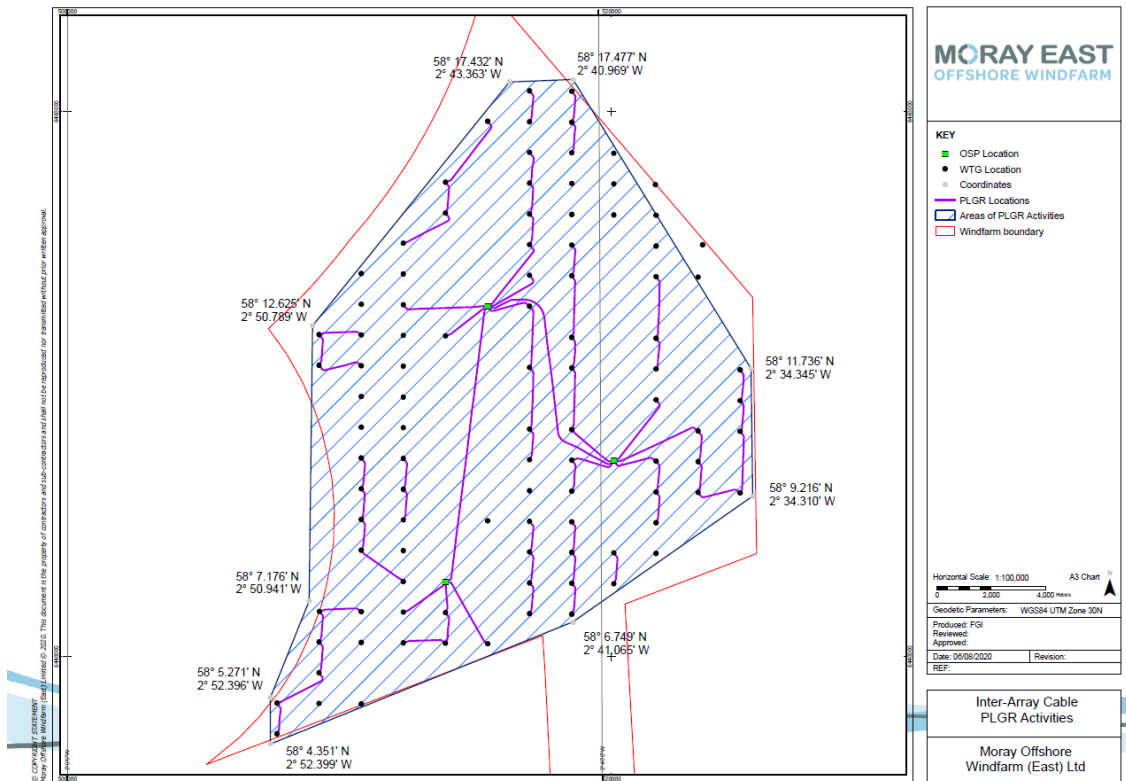


**13 Pre Lay Survey and Boulder Clearance Operations.**

Please be advised that Moray Offshore Windfarm (East) Limited (Moray East) are planning to carry out pre lay grapnel runs (PLGR) on the determined inter array cable sections in order to clear the cable route ahead of the laying of the Inter Array cables (via a different vessel). Expected duration of works is between 09-14 days, depending on weather, commencing circa 18/08/2020

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**Figure 23. PLGR areas**



ID	X UTM30N	Y UTM30N	Latitude (WGS84)	Longitude (WGS84)
1	518595.6433	6461184.677	58° 17.477' N	2° 40.969' W
2	525136.5151	6450567.61	58° 11.736' N	2° 34.345' W
3	525199.7119	6445891.045	58° 9.216' N	2° 34.310' W
4	518595.6433	6441277.676	58° 6.749' N	2° 41.065' W
5	507473.0014	6436790.701	58° 4.351' N	2° 52.399' W
6	507473.0014	6438497.016	58° 5.271' N	2° 52.396' W
7	508894.9301	6442036.038	58° 7.176' N	2° 50.941' W
8	509021.3237	6452147.531	58° 12.625' N	2° 50.789' W
9	516257.3606	6461089.882	58° 17.432' N	2° 43.363' W

**Table 7 Coordinates of PLGR Bounds**

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**PLGR Vessel**

Voe Vanguard	
<b>General Description and Dimensions:</b>	LOA: 33.18 m, Beam: 14.5 m, Draught 4.95m
<b>Call Sign:</b>	MBEN9
<b>MMSI:</b>	232008636
<b>On Board Contact:</b>	Master
<b>Offshore Manager / Party Chief:</b>	N/A
<b>E-mail:</b>	<a href="mailto:neil.crawford@morayeast.com">neil.crawford@morayeast.com</a>
<b>Onshore Representative:</b>	Neil Crawford



**14 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** - Brown and May Marine Ltd.

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

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**15 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.

**16 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.

**17 . Completed Operations.**

**17.1 Piling Operations**

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

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

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

Maxsea

Sodena

Olex

Time Zero

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

[John.watt@brownmay.com](mailto:John.watt@brownmay.com) 07590880746

### **17.2 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.

### **17.3 IAC Post Plough Survey.**

Please be advised that the Ivero completed her Post Plough Survey work scope and the Ivero exited Site 1 22/07/2020.