The shaded blocks below indicate reports of fishing hazards and offshore activities.

**What’s inside?**

**Area 1** (p.2)
1. Seabed Activity

**Area 2** (p.3-4)
1. Seabed Activity
2. Survey Activity

**Area 3** (p.5-6)
1. Notice to Fishermen
2. Seabed Activity
3. Survey Activity

**Area 4** (N.A)
1. No Content

**Area 5** (p.7-9)
1. Seabed Activity

**Area 6** (N.A)
1. No Content

For ‘live’ Kingfisher updates of offshore activities, visit www.kis-orca.eu and follow @KingfisherInfo on Twitter.
Moray Offshore Renewables Limited – Met Mast Installation

Please be advised that Drace Infraestructuras UK Ltd is undertaking the installation of a meteorological mast for the Moray Offshore Renewables Limited offshore wind farms (Telford, Stevenson and MacColl). This work is being undertaken in support of the development of The Crown Estate Round 3 Zone 1 offshore wind licensing on the outer Moray Firth off the East coast of Scotland.

The Works
Remedial works on the met mast are close to completion with the next phase involving approximately four weeks for auxiliary works and ladder re-installation and three weeks for instrumentation installation and commissioning. The target date for completion of the works is 01 May 2015. All dates are subject to suitable weather conditions.

The co-ordinates for the corners of the embankment of the met mast are provided in the table below.

<table>
<thead>
<tr>
<th>Corner No</th>
<th>Coordinates</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>58°10.928'N 002°49.180'W</td>
</tr>
<tr>
<td>2 (North Corner)</td>
<td>58°10.946'N 002°49.215'W</td>
</tr>
<tr>
<td>3</td>
<td>58°10.928'N 002°49.250'W</td>
</tr>
<tr>
<td>4</td>
<td>58°10.910'N 002°49.215'W</td>
</tr>
</tbody>
</table>

The vessels that will be used for the above activities are Sea Ferret (2DTH4) Sea Weasel (2CQX3) Sea Beaver (MVNK8)

For further information: John Yorston, Moray Offshore Renewables, Tel: 0131 5567602 / 07557635095 email: john.yorston@edr.com
Neart na Gaoithe Offshore Wind Farm – Metocean Buoy Deployment (NAREC)

Neart na Gaoithe Offshore Wind Limited has deployed two metocean buoys at the National Renewable Energy Centre (Narec) Blyth, to measure (1) wind speed and direction and (2) waves and currents; both buoys are deployed alongside each other. Both buoys are painted to IALA standard, have an amber navigation light set to flash 5 times at 1Hz every 20 seconds.

Buoy (1) is moored using two delta flipper anchors with riser chains (max. 250m each). There are two pennant buoys floating on the surface above each of the two seabed anchors associated with the buoy. The pennant buoys are yellow, 1m long, diameter of 0.5m and are unlit. They are attached to the anchors by steel wire. Buoy (2) is moored via a single bungee line. The buoys are deployed at Narec, at approximately the following co-ordinates:

1. FLiDAR buoy (92m drift radius)  55°08.726'N 001°25.154'W
   a. FLiDAR anchor pennant buoy 1  55°08.858'N 001°25.143'W
   b. FLiDAR anchor pennant buoy 2  55°08.620'N 001°25.120'W
2. Wave Rider Buoy (82m drift radius)  55°08.625'N 001°25.261'W

Please note that there is a requirement for wide berth when passing the buoys due to their large excursion, as a result of their mooring configurations. The buoys were deployed on 10th February 2015 and will be in place for approximately 1-2 months.

For further information: David Sweenie, Tel: +44(0)1412063861 Mob: +44(0)7889410550 email: david.sweenie@mainstreamrp.com

Beatrice Offshore Windfarm Ltd – Survey

Please be advised that Fugro GeoConsulting Limited will be carrying out geotechnical investigation operations in the Beatrice Offshore Wind Farm site in the outer Moray Firth.

<table>
<thead>
<tr>
<th>Company, Vessel &amp; Call Sign</th>
<th>Area Covered</th>
<th>Start Timeframe &amp; Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>MV Gargano and/or MV Greatship Manisha</td>
<td>58°18.004'N 002°45.130'W 58°09.865'N 002°56.936'W 58°11.840'N 003°00.723'W 58°15.029'N 002°48.277'W 58°18.376'N 002°54.952'W</td>
<td>Late March 2015 For 12 Weeks</td>
</tr>
</tbody>
</table>

For further information: Courtney French, Brown and May, Tel: 01379 872145, Email: courtney@brownmay.com

Inch Cape Offshore Limited – Met Masts Works

Drace Infraestructuras UK Ltd is undertaking, on behalf of Inch Cape Offshore Limited, seabed preparation work for installation of a met mast.

<table>
<thead>
<tr>
<th>Met Mast</th>
<th>Coordinates</th>
</tr>
</thead>
<tbody>
<tr>
<td>56°26.404'N 002°14.489'W</td>
<td></td>
</tr>
</tbody>
</table>

Met Mast positioning

The met mast has been installed at the position above. The co-ordinates for the corners of the embankment are as follows (point 3 is the north corner):

<table>
<thead>
<tr>
<th>Corner No</th>
<th>Coordinates</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>56°26.408'N 002°14.527'W</td>
</tr>
<tr>
<td>2</td>
<td>56°26.420'N 002°14.480'W</td>
</tr>
<tr>
<td>3</td>
<td>56°26.400'N 002°14.450'W</td>
</tr>
<tr>
<td>4</td>
<td>56°26.383'N 002°14.497'W</td>
</tr>
</tbody>
</table>
Installation and commissioning works are complete for the time being. One final visit to certify the equipment will be undertaken in March 2014. This activity will involve one crew transfer vessel, vessel details to be confirmed.

Installation of the remainder of the instruments and other works will be postponed until the spring and are likely to be undertaken in April/May 2015.

**Scour protection**

Preliminary scour protection works will be undertaken in March 2015 with the remainder of the works being undertaken in April/May 2015.

Works to be performed in March 2015 will consist of installing several gravel bags at the caisson corners. Those works will be performed using the C-Odyssey.

*For further information: Mr Carlos Polimon, Drace Infraestructuras UK Ltd, Tel: 01349 856 416*
**Hornsea One Offshore Wind Farm – Survey**

Please be advised that DONG Energy Wind Power AS (DONG) has contracted Fugro to carry out geotechnical investigations for the proposed Hornsea Project One Offshore Wind Farm, as bounded by the coordinates below:

1. 53°49.236’N 001°37.373’E
2. 53°55.414’N 001°38.457’E
3. 53°56.715’N 001°40.100’E
4. 53°56.940’N 001°41.501’E
5. 53°58.761’N 001°55.728’E
6. 53°56.651’N 001°48.324’E
7. 53°56.390’N 001°59.354’E
8. 53°57.258’N 001°52.858’E
9. 53°56.397’N 001°53.439’E
10. 53°56.413’N 001°53.545’E
11. 53°56.108’N 001°55.728’E
12. 53°55.947’N 001°56.262’E
13. 53°56.390’N 001°59.354’E
14. 53°56.760’N 001°58.947’E
15. 53°57.252’N 002°02.654’E
16. 53°57.691’N 002°02.116’E
17. 53°58.272’N 002°06.668’E
18. 53°58.890’N 002°15.740’E
19. 53°48.367’N 002°11.877’E
20. 53°49.122’N 001°59.748’E
21. 53°49.128’N 001°58.897’E

The commencement of the Gargano will be the 12 March 2015. The exact finish date is dependent on the prevailing weather conditions, etc., but the forecasted completion date as of the publication date of this notice is the 24 March 2015.

For further information: Nick Garside, FLO, Mob: +44 (0) 7538 827 013 Email: nick.garside@live.co.uk

**Race Bank Offshore Wind Farm – Survey**

Notice is hereby given that DONG Energy (Race Bank) will commence survey operations along the entire route of the Export Cable Route and Offshore Wind Farm site at Race Bank, commencing 1 March 2015. The surveys are expected to be on going for the next three years.

Vessels will be carrying out acoustic surveys, obtaining Benthic grab samples, underwater photography, magnetometer surveys and therefore will have equipment deployed in the water column close to the sea bed.

Kingfisher Fishing Plotter Files have been produced outlining the Clearance Zones of the wind farm and export route. For more information, please contact the undersigned.

For further information: Hywel Roberts, DONG Energy, Tel: +44 (0)20 7811 5486 Email: hywro@dongenergy.co.uk

**London Array Wind Farm – Cable Crossings.**

Three special marks and a South Cardinal Mark have been installed to mark the four rock berms on the crossing of the Kentish Flats and London Array Export cable. At these crossings the typical sea bed level was -4m LAT. Due to the newly installed rock beam the depth in some areas is now -1.0m LAT.

Kentish Flats/London array cable crossings have marker buoys at the following locations:

1. 51°25.56’N 001°06.45’E (KFSM1)
2. 51°25.00’N 001°06.44’E (KFSM2)
3. 51°24.86’N 001°05.77’E (KFSM3)
4. 51°25.41’N 001°05.69’E (KFSM4)

BritNed cable crossing (51°28.583N, 001°17.417E) the seabed level varies from -6.5m LAT to -9m LAT. Due to the newly installed rock berm the depth in some areas is now -4m LAT. A North Cardinal Buoy has been installed in the following position:

1. Named BRIT NORTH 51°28.718N 001°17.50E North Cardinal exhibiting Q light characteristic

For further information: Marine Coordinators, DDI. +44 (0)1843 855795, Email: marinecoordinators@londonarray.com
Teesside Offshore Wind Farm – Survey

A geophysical survey programme is planned to commence within the boundaries of the Teesside Offshore Wind Farm as soon as a suitable weather window allows. The earliest mobilisation date for the vessel is the 5th March 2015 depending upon weather.

1. 54°38.024'N,001°05.187'W
2. 54°39.025'N,001°07.389'W
3. 54°39.275'N,001°06.759'W
4. 54°39.365'N,001°06.005'W
5. 54°38.338'N,001°03.744'W
6. 54°38.226'N,001°04.675'W
7. 54°38.024'N,001°05.187'W

The works will involve the vessel MV Lia undertaking both multi-beam and side scan sonar surveys within the wind farm.

For further information: Simon Prince, Specialist Marine Consultants Ltd, Tel: +44(0)1723 892861  email: simonp@smchse.com

Gunfleet Sands Wind Farms – Seabed Activity

DONG Energy Gunfleet Sands have three notices to mariners for the attention of fishermen.

Firstly, work is planned to be undertaken somewhere between the dates of early March 2015 & late March 2015. The works will be undertaken by ‘Tiger’ a Motor Hopper, Length x Breadth: 100 m X 20 m, Call Sign: LXKX  MMSI: 253447000.

Secondly, work is planned to be undertaken somewhere between the dates of 12th October & mid April 2015. The works will be undertaken by ‘Seaworker’ a towed jack up, Length x Breadth: 55.5 m X 33 m, Call Sign: OYRN2  MMSI: 219015441 IMO: 8769705.

Finally, three sections of the export cable remain vulnerable.
1. 51°48.264'N 001°12.796'E – 11m exposure.
2. 51°44.702'N 001°13.534'E – 9.3m exposure / 0.8m above the seabed.
3. 51°43.795'N 001°13.570'E – no exposure, scour at base of turbine.

For information relating to the export cable, please contact: Jonny Lewis – Environmental & Consents Adviser to TC Gunfleet OFTO Ltd, E: jonny.lewis@marinespace.co.uk  M: 07817 644284

For further information: Duncan Potter, DONG Energy, Tel. +44 (0) 7891 966 595, Email: duncanpotter@dongenergy.co.uk
Humber Gateway Offshore Wind Farm – Foundation Installation Phase 1

Construction of the wind farm is continuing as detailed below:

- **Array Cable Installation** - Inter-array cable installation is continuing.
- **Foundation and WTG Installation** - MPI Resolution: Vessel will be installing 6 WTG’s per cycle.

Please note all peripheral foundations installed have Temporary Navigational aids fitted and are all operational.

**Project Wave Riders**

*Eon Data-well Wave Rider* | 53°38.199’N 00°15.846’E

**Important Locations**

<table>
<thead>
<tr>
<th>Met Mast</th>
<th>Characteristics</th>
<th>Coordinates</th>
</tr>
</thead>
<tbody>
<tr>
<td>West Cardinal Lighted Buoy (N)</td>
<td>V Q (9) 10s</td>
<td>53°39.900’N 00°14.200’E</td>
</tr>
<tr>
<td>West Cardinal Lighted Buoy (S)</td>
<td>Q (9) 15s</td>
<td>53°37.000’N 00°15.600’E</td>
</tr>
<tr>
<td>South Cardinal Lighted Buoy</td>
<td>Q (6) + LFl 15s</td>
<td>53°36.500’N 00°17.400’E</td>
</tr>
<tr>
<td>East Cardinal Lighted Buoy (S)</td>
<td>Q (3) 10s</td>
<td>53°39.400’N 00°20.100’E</td>
</tr>
<tr>
<td>East Cardinal Lighted Buoy (N)</td>
<td>V Q (3) 5s</td>
<td>53°40.300’N 00°20.100’E</td>
</tr>
</tbody>
</table>

For further information: Gordon Bain, Eon Tel:+44(0) 7787241442 or Nigel Proctor (Fisheries Liaison) Tel: +44(0)7702730891
Seabed Activity
First Published: 10 March 2015 | Latest Update: 10 March 2015

Ormonde Offshore Wind Farm – Export Cable Route Survey

A Survey along the length of the Ormonde Export Cable, from the Sub-Station at Ormonde along and into the landfall at Heysham, will start as soon, as weather and conditions are favourable.

The survey is expected to run for approx. two weeks and will be carried out by Osiris Survey's 14 meter Catamaran 'Proteus' on behalf of Transmission Capital Partners.

For further route information, please contact the undersigned.

For further information: Tom Watson, Tel: 01253 875565, Mob: 07903 173 624

Seabed Activity
First Published: 10 February 2015 | Latest Update: 10 March 2015

Burbo Bank 2 (Extention) Offshore Wind Farm – Survey

The survey vessel ‘Bibby Tethra’ is on site to continue the non-intrusive Geophysical Survey at the Burbo 2 (Extension) Wind Farm Site including the Export Cable Route. The survey will run until the end of March 2015.

This survey is being carried out by the Osiris Projects 27 meter semi-swath twin hulled survey vessel ‘Bibby Tethra’ using multi-beam echo sounders and magnetometers to detect any Unexploded Ordnances on the seabed.

For further information: Tom Watson, Tel: 01253 875565, Mob: 07903 173 624

Seabed Activity
First Published: 01 July 2014 | Latest Update: 05 March 2015

West of Duddon Sands Offshore Wind Farm – Construction

All of the turbines have been installed but the wind farm has not yet been commissioned. All of the Inter-Array or Infield cables have been buried and a burial depth survey to confirm depth and acceptance is being carried out as weather and conditions permit, these surveys will be carried out by two vessels ‘MS Line’ and ‘Sander 2’.

- Discontinuance of fog horn signal at the SW corner of Walney 1 Wind Farm - Turbine F01  54°00.135’N 003°33.382’W
- The Wave Rider Buoy in Lune Deep has been moved to a new position:54°00.080’N 002°58.370’W FL.Y(5) 20s-range 1nm
- There is a Wave Rider Buoy in position : 54°00.000’N 003°26.000’W FL.Y(5) 20s - range 1nm All Turbines have been installed.
- Rock Dumping has been carried out at positions along both Export Cables, please contact me if you are unsure about any of these positions.

Boundary of Location Activities:

<table>
<thead>
<tr>
<th>Latitude</th>
<th>Longitude</th>
<th>Latitude</th>
<th>Longitude</th>
</tr>
</thead>
<tbody>
<tr>
<td>54°01.78’N</td>
<td>003°26.67’W</td>
<td>53°56.72’N</td>
<td>003°29.33’W</td>
</tr>
<tr>
<td>53°58.35’N</td>
<td>003°22.80’W</td>
<td>54°00.13’N</td>
<td>003°33.38’W</td>
</tr>
</tbody>
</table>

For a copy of the Kingfisher Awareness Flyer for the West of Duddon Sands Offshore Wind Farm, please contact the undersigned. Alternatively, click on the link below, or visit www.kingfishercharts.org

Kingfisher Awareness Flyer: West of Duddon Sands Offshore Wind Farm

For further information: Tom Watson, Tel: 01253 875565, Mob: 07903 173 624
Gwynt y Môr Offshore Wind Farm – Construction Activities

Windfarm construction is complete. Commissioning of the windfarm continues and rock armour layer / cable protection work continues at various locations on site.

There are currently two Notices to Mariners in force for the windfarm site:

1. FLIDAR Anchor buoyage - two navigation buoys are in place to mark the locations of 3 anchors on the seabed.
2. Mariners are advised that the flashing light on one of the navigation buoys is reported to be faulty, and to navigate with caution in the vicinity of these buoys during hours of darkness / poor visibility.

For a copy of the Kingfisher Awareness Flyer for the Gwynt Y Mor Offshore Wind Farm, please contact the undersigned. Alternatively, click on the link below, or visit www.kingfishercharts.org

Kingfisher Awareness Flyer: Gwynt Y Mor Offshore Wind Farm

For further information: Lee Cornwell, RWE npower renewables, Mob: +44 (0) 7557 319473, Email: lee.cornwell@rwe.com