For ‘live’ Kingfisher updates of offshore activities, visit www.kis-orca.eu and follow @KingfisherInfo on Twitter.

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

<table>
<thead>
<tr>
<th>Area</th>
<th>Pages</th>
<th>Contents</th>
</tr>
</thead>
<tbody>
<tr>
<td>Area 1</td>
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<td>p.4</td>
<td>1. Seabed Activity 2. Survey Activity</td>
</tr>
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<td>Area 3</td>
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<td>1. Notice to Fishermen 2. Seabed Activity 3. Survey Activity</td>
</tr>
<tr>
<td>Area 4</td>
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<td>1. Seabed Activity</td>
</tr>
<tr>
<td>Area 5</td>
<td>p.12-13</td>
<td>1. Seabed Activity</td>
</tr>
<tr>
<td>Area 6</td>
<td>(N.A)</td>
<td>1. No Content</td>
</tr>
</tbody>
</table>
Meygen Tidal Project (Pentland Firth) – Works

Installation of subsea tidal turbines and their associated cables will take place in the Pentland Firth Inner Sound, between July 2015 and December 2016, in the area bounded by the following positions:

58°40.200'N 003°06.400'W
58°38.800'N 003°04.200'W
58°39.600'N 003°11.400'W
58°40.100'N 003°08.500'W

There will be working vessels and support craft operating in the area. Temporary navigation marks may also be encountered. Mariners are advised to navigate with caution in this area.

The turbines, once installed, will not be a hazard to surface navigation.

For further information: James Fisher Marine Services, Tel: 01856831380 mob 07747843712 email: s.groundwater@jamesfisher.co.uk

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
The works will take place 03/08/2015 at the earliest and will last a period of 1-3 days (weather dependant). The vessel that will be used for this work is Montrose Marine II – 2GMK3. The vessel will be operating from Wick.

For further information: John Yorston, Moray Offshore Renewables, Tel: 0131 5567602 / 07557635095 email: john.yorston@edr.com

Beatrice Offshore Windfarm Ltd – Survey

Please be advised that Brown and May Marine Ltd will be carrying out marine survey operations on behalf of Beatrice Offshore Windfarm Limited (BOWL) in the outer Moray Firth. The survey will include larval sampling at 25 locations within the survey area illustrated below.

For further information: Alex Winrow-Giffin, Brown & May Marine Ltd, Tel:01379 870181 email: alex@brownmay.com
Survey Activity

Beatrice Offshore Windfarm Ltd – Survey

Please be advised that MMT Limited will be carrying out geophysical and geotechnical survey within the Beatrice Offshore Wind Farm site and cable corridor in the outer Moray Firth, off the north east coast of Scotland.

<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>MMT Ltd, Franklin – SEIN Ice Beam - SFRK</td>
<td>57°40.032’N 3°02.933’W</td>
<td>01/08/2015 For 6 to 8 Weeks</td>
</tr>
<tr>
<td>2. 57°42.966’N 3°02.218’W</td>
<td>58°01.770’N 3°02.455’W</td>
<td></td>
</tr>
<tr>
<td>3. 57°42.984’N 3°02.308’W</td>
<td>58°01.770’N 3°02.346’W</td>
<td></td>
</tr>
<tr>
<td>4. 57°45.642’N 3°01.660’W</td>
<td>57°48.318’N 3°01.165’W</td>
<td></td>
</tr>
<tr>
<td>5. 57°48.318’N 3°01.906’W</td>
<td>57°48.318’N 3°01.273’W</td>
<td></td>
</tr>
<tr>
<td>6. 57°48.330’N 3°01.997’W</td>
<td>57°45.670’N 3°01.055’W</td>
<td></td>
</tr>
<tr>
<td>7. 58°01.746’N 3°03.165’W</td>
<td>57°42.906’N 3°01.342’W</td>
<td></td>
</tr>
<tr>
<td>8. 58°01.776’N 3°03.038’W</td>
<td>57°39.852’N 3°01.634’W</td>
<td></td>
</tr>
<tr>
<td>9. 58°05.298’N 3°03.360’W</td>
<td>58°19.730’N 2°50.983’W</td>
<td></td>
</tr>
<tr>
<td>10. 58°08.399’N 3°01.157’W</td>
<td>58°18.004’N 2°45.130’W</td>
<td></td>
</tr>
<tr>
<td>11. 58°10.524’N 2°57.895’W</td>
<td>58°15.029’N 2°48.277’W</td>
<td></td>
</tr>
<tr>
<td>12. 58°09.864’N 2°56.936’W</td>
<td>58°09.865’N 2°56.936’W</td>
<td></td>
</tr>
<tr>
<td>13. 58°06.462’N 3°01.825’W</td>
<td>58°11.840’N 3°00.723’W</td>
<td></td>
</tr>
<tr>
<td>14. 58°05.226’N 3°02.733’W</td>
<td>58°18.376’N 2°54.952’W</td>
<td></td>
</tr>
</tbody>
</table>

For further information: Courtney French, Brown & May, Tel: 01379 872145 email: courtney@brownmay.com
Seabed Activity

First Published: 01 July 2014 | Latest Update: 14 July 2015

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.

**Coordinates**

| Met Mast | 56°26.404'N 002°14.489'W |

**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°26.426'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>

**Met Mast installation and commissioning**

Installation of the remaining instruments and final commissioning works for the met mast will continue to be undertaken until the end July 2015. During these works the crew transfer vessels, Sea Fox, Montrose Marine II or Sure Shamal will operate daily to bring workers from Dundee port to the works location (56°26.404 N; 2°14.489 W). The vessel will remain on site during the works and will then return the workers to Dundee.

Vessels: Seafox – 2GMJ7, Montrose Marine II – 2GMK3

For further information: Mr Carlos Polimón, Drace Infraestructuras UK Ltd, Tel: 01349 856 416

Deployment of Buoys

First Published: 30 July 2015 | Latest Update: 30 July 2015

Western Approach to Sound of Taransay – Wave Buoy

A Datawell Waverider buoy of 0.7m diameter, painted yellow, will be deployed with a single point mooring.

Position: 57°51.300'N 007°02.400'W

Off the Isle of Harris in the western approaches to the Sound of Taransay. The buoy has a swing radius of 50m and is fitted out with a light Fl5 Y (20s). From 17th July 2015 – 31 January 2016

For further information: Arne Vogler, Hebrides MArDen Services Ltd, Tel: +44(0)1851 770 325 email: arne.vogler@uhi.ac.uk

Deployment of Buoys

Inch Cape Offshore Limited – Wave Buoy

Partrac will deploy one Waverider Buoy with 250m of target location w/c 3rd August or 10th August. The Waverider buoy will be deployed by the following vessels: Forth Sentinel – MNWK6, The Princess Royal – 2EYM2, Forth Boxer – MYEM6

Position: 56°26.188'N 002°14.299'W

The waverider buoy is 0.9m in diameter and bright yellow. Fl. Y(5)20s. The Waverider will remain in place for 12 months.

For further information: Judy McKay, Partrac, Tel: 0141 2020644 quoting ref: P1595 email: jmckay@partrac.com
**Seabed Activity**

**Dudgeon Offshore Wind Farm** – Pipe Installation

First Published: 30 July 2015 | Latest Update: 30 July 2015

VBMS will carry out pipe installation works as part of the preparations for the installation of the Dudgeon Offshore Wind Farm. Two ±1100m Polyethylene pipes will be installed into two HDD bore holes that have already been completed.

The barge “Stemat 82”, multipurpose vessels “Nova K” and “Fenna B” and a CTV/survey vessel “Volans” will be in the specified area during the works (see below map). Diving activities will also be undertaken during the installations.

ETA of the spread on location: 10-08-2015. The spread will be working in the area for an expected duration of maximum 20 days.

The boundaries of the working area are indicated by cardinal buoys, the buoys will be installed on date of spread arrival. The buoys are positioned on the following coordinates:

- **North Buoy:** 52°57.896’N 01°08.347’E
- **East Buoy:** 52°57.370’N 01°09.262’E
- **West Buoy:** 52°57.343’N 01°07.477’E

**For further information:** J Bolhoven, VBMS, Tel: +31 (0) 786417500  email: j.bolhoven@vbms.com

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**Seabed Activity**

**Dudgeon Offshore Wind Farm** – Installation of rock filter layers

First Published: 18 June 2015 | Latest Update: 28 July 2015

As a part of the Dudgeon Offshore Wind Farm Project, rock placement works will be undertaken to protect the monopile foundations from scour.

The filter rock placement operations for the Dudgeon Offshore Wind Farm will commence the first week of July, 2015. This work will compromise the placement of filter rock for all (67) monopile locations.

The works are scheduled to be executed between 1st July 2015 – 30th September 2015.

During operations, the rock placement vessel will sail a number of times to the Stavanger Area in Norway in order to reload with rocks.

The Dudgeon Offshore Wind Farm site is located approximately 32km offshore the North Norfolk coast, off the town of Cromer.

Vessel: Flintsone – PBZD  Mariners are requested to give the work vessel a wide berth.

Coordinates for Dudgeon Offshore Wind

<table>
<thead>
<tr>
<th>53°18.384’N 01°19.303’E</th>
<th>53°18.364’N 01°19.303’E</th>
</tr>
</thead>
<tbody>
<tr>
<td>53°18.384’N 01°25.757’E</td>
<td>53°18.384’N 01°25.757’E</td>
</tr>
<tr>
<td>53°18.384’N 01°25.924’E</td>
<td>53°18.384’N 01°25.924’E</td>
</tr>
<tr>
<td>53°18.384’N 01°26.673’E</td>
<td>53°18.384’N 01°26.673’E</td>
</tr>
</tbody>
</table>

**For further information:** Mike Corney, Statkraft UK Ltd, Tel: +44 (0)20 7448 8222  email: Michaeljohn.corney@statkraft.com
Seabed Activity

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)

Rock Berm

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 -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

Humber Gateway Offshore Wind Farm – Foundation Installation Phase 1

Fugro Saltire: Has finished rock bag placing and is now in Immingham Dock Demobbing.

DBB Wind Server Jack up vessel will be on site in the first week of August to replace the gearbox on D10.

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

Important Locations

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Coordinates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Met Mast</td>
<td>53°38.237'N 000°15.730'E</td>
</tr>
<tr>
<td>West Cardinal Lighted Buoy (N)</td>
<td>V Q (9) 10s</td>
</tr>
<tr>
<td>West Cardinal Lighted Buoy (S)</td>
<td>Q (9) 15s</td>
</tr>
<tr>
<td>South Cardinal Lighted Buoy</td>
<td>Q (6) + LFl 15s</td>
</tr>
<tr>
<td>East Cardinal Lighted Buoy (S)</td>
<td>Q (3) 10s</td>
</tr>
<tr>
<td>East Cardinal Lighted Buoy (N)</td>
<td>V Q (4) 15s</td>
</tr>
</tbody>
</table>

For further information: Gordon Bain, Eon Tel:+44(0) 7787241442 or Nigel Proctor (Fisheries Liaison) Tel: +44(0)7702730891

Gunfleet Sands Offshore Wind Farm – Turbine Generator Maintenance

DONG Energy Gunfleet Sands will be undertaking a blade bearing exchange on wind turbine:

F05 51°43.713'N 001°14.804'E

The work is planned to be undertaken between the 9th and 12th July 2015 The works will be undertaken by the Jack Up Vessel ‘SEA INSTALLER’ Length x Breadth: 132 m X 39 m Call Sign: OYPY2

A 500m safety zone should be given to the vessel during maintenance works, especially when it can be observed when the vessel is manoeuvring into position. It should also be noted the vessel may exit the Wind Farm without prior notification.

For further information: Anthony Mayhew, DONG Energy UK, Tel: +44 (0)1206 307 915 email: anthm@dongenergy.co.uk

For ‘live’ Kingfisher updates of offshore activities, visit www.kis-orca.eu and follow @KingfisherInfo on Twitter
Seabed Activity

Kentish Flats Extension – Foundation and Turbine Installation

Approximately 8.5 to 13 Kilometres North of Herne Bay and Whitstable in Kent.

Completed Foundation installation, Marine Mammal and Underwater Noise surveying has been completed to all 15 locations

The Works ongoing
GeoSea have started the first Turbine installation, commenced on the 17th June 2015. The remainder of the windfarm construction is estimated to continue until the end of August. (Weather dependent).

Bohlen-doyen have commenced the inter-array and export cable laying works.

The Vessels
The array cable laying works is by the barge Nostag 10 supported by the tug Torsten.
The export cable and mattress laying is by the barge BoDo Installer supported by the tug (AHT) Barney and (AHT) Bommel.. The crew transfer vessels (CTVs) servicing the Kentish Flats Extension project are the Vulcan, Valkyrie, Valhalla and the Wind cat 23.

The Turbine installation works shall be performed by the jack-up barge Neptune supported by the tugs (AHT) Norne and Sea Echo.

1. 51°27.983’N 001°01.965’E
2. 51°28.110’N 001°03.230’E
3. 51°26.820’N 001°04.850’E
4. 51°27.140’N 001°08.040’E
5. 51°26.809’N 001°08.455’E
6. 51°26.738’N 001°08.544’E
7. 51°26.516’N 001°06.325’E
8. 51°22.579’N 001°06.221’E
9. 51°22.343’N 001°05.980’E
10. 51°22.332’N 001°05.983’E
11. 51°22.322’N 001°05.983’E
12. 51°22.356’N 001°05.445’E
13. 51°26.438’N 001°05.547’E
14. 51°26.291’N 001°04.090’E
15. 51°26.362’N 001°04.001’E
16. 51°26.825’N 001°03.419’E
17. 51°27.983’N 001°01.965’E

For further information: Marine Coordinator, Vattenfall UK Ltd., Tel: 01843 423101/07815 000514 email: mc.kfe@vattenfall.com

Seabed Activity

Dogger Bank Wind Farm – Reinstallation of Met Masts

Mariners are advised that Forewind have completed the reinstallation of the two meteorological masts within the Dogger Bank Round 3 wind farm zone.

Both masts have operational navigation aids and Fog Horns.

<table>
<thead>
<tr>
<th>Name</th>
<th>Coordinates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Met Mast East</td>
<td>55°05.964’N 002°42.150’E</td>
</tr>
<tr>
<td>Met Mast West</td>
<td>54°51.990’N 001°49.164’E</td>
</tr>
</tbody>
</table>

For further information: Nachaat Tahmaz, Forwind, Tel: 078 18597854 email: nachaat.tahmaz@forwind.co.uk
### Survey Activity

**East Anglia Offshore Windfarm Ltd – Survey**

<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></td>
<td>51°59.951’N 001°25.372’E and 51°59.444’N 001°25.672’E</td>
<td></td>
</tr>
</tbody>
</table>

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

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### Survey

**Greater Gabbard Offshore Wind Farm – Survey**

The Channel Chieftain V – MQRN8 will be carrying out bathemetric surveys on the Greater gabbard windfarm. Work will commence on the 14th July and will last for a period of 1 Month, weather depending. The following co-ordinates are where the operations will take place.

<table>
<thead>
<tr>
<th>Latitude</th>
<th>Longitude</th>
</tr>
</thead>
<tbody>
<tr>
<td>Start Leiston</td>
<td>52°12.325’N 01°37.749’E</td>
</tr>
<tr>
<td>Finish IGSUB</td>
<td>51°54.846’N 01°56.606’E</td>
</tr>
<tr>
<td>GASUB</td>
<td>51°47.190’N 01°57.473’E</td>
</tr>
</tbody>
</table>

A 500 meter exclusion zone will be in force around the vessels at all times, If you need to approach any of the vessels please contact them on VHF Ch16.

For further information: Lee Brown, SSE Wind Generation, Tel: +44 (0)1502 524001, Mob: +44(0) 7747 559508, Email: lee.brown@sse.com

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### Survey Activity

**Triton Knoll Offshore Windfarm Ltd – Survey**

Mariners are advised that hydrographic surveys will be conducted within the Triton Knoll Offshore Wind Farm, approximately 50 kilometres (km) off the Lincolnshire coast at its nearest point from 14th July 2015.

<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>Gardline MV Ivero – PVKA MV Confidante – ZQZ15</td>
<td>53°24.259’N 001°00.462’E</td>
<td>14/07/2015 For 8 Weeks</td>
</tr>
<tr>
<td></td>
<td>53°32.553’N 000°51.917’E</td>
<td></td>
</tr>
<tr>
<td></td>
<td>53°31.959’N 000°42.649’E</td>
<td></td>
</tr>
</tbody>
</table>

For further information: Cliff Whatrup, Gardline, Tel: +44(0)1493 845600  email: cliff.whatrup@gardline.com
Survey Activity

Lincs and Lynn Offshore Wind Farm – Diving Works

Lincs and LID Offshore Wind Farms wish to advise mariners that a scope of diving works is to be undertaken within the main array sites of the LID & Lincs Offshore Wind Farm. The work is scheduled to commence on 5th August 2015.

The duration of the works is 14 days subject to weather conditions. The diving will be supported by a primary dive vessel the Valdemar M – OWCJ2, supported by the anchor handling tug MPR 1 - PCBX.A mooring trial will take place near the Docking Shoal Metmast followed by diving works.

The diving works will take place at the following:  LS02: 53°08.733’N  00°29.400’E LS30: 53°08.750’N  00°29.400’E

Lynn and Inner Dowsing- Alongside the following turbines:LN04,ID14,ID16,ID24,LS29 and ID30and then at one of the following turbines ID15, ID16, ID24 & ID28

The dive vessel will be moored at the above locations with a 4 point mooring with anchor wires extending around 100m from the vessel. Mariners should maintain a safe clearance distance of at least 500m whilst the vessel is deploying anchors and whilst moored. Any vessel requiring access to this safe clearance zone should only do so with permission from the vessel captain.

The diving from the vessel will occur during high and low slack water periods. During this time mariners must adhere to an exclusion zone of 500m around the vessel.

For further information: Simon Prince, Tel: 07920273866 email: simonp@smchse.com

Survey Activity

Race Bank Offshore Wind Farm – UXO 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 1st and 30th June 2015. Commencing on the 15th of July 2015 unexploded ordnance survey work will commence on the Race Bank Offshore Wind Farm by the following vessels: Stril Explorer – 2EBI9, Suffolk Spirit – 2FIG9, MCS Ailsa – 5BDK3, MCS Zephyr – 2EIS5.

Work will consist of inspection of potential UXO targets and subsequent disposal of any UXOs found.

The works are anticipated to run until 15th October 2015.

ALL VESSELS ARE REQUESTED to keep a safe distance of no less than 500 yards and navigate with caution when in the vicinity of the vessels.

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

1. For fishing plotter files of the Race Bank Clearance Zones, please go to: po.st/RaceBankClearancePlotter
2. For fishing plotter installation help, please go to: po.st/InstallationGuide
3. For a Kingfisher Awareness Chart of the Race Bank Clearance Zones, please go to: po.st/RaceBankClearance

For further information: Hywel Roberts, DONG Energy, Tel: +44 (0)20 7811 5486, Email: hywro@dongenergy.co.uk
Deployment of Buoys
North East Coast England – Wave Buoy

Fugro EMU kindly request a clearance distance of 200 m minimum to the deployed Wave Buoys, part of the North East Coast Wave Buoy Network and under no circumstances moor to any part of the deployed mooring or buoys

Scarborough: 54°17.629’N 000°19.074’W
Whitby: 54°30.277’N 000°36.559’W

The buoys are moored using a rotational and therefore tidally influenced mooring design, with a 30 m rubber bungee close to the surface, marked at one end by the wave buoy and at the other end by a 1.2 m diameter marker buoy.

The marker buoys are a 1.2 m diameter, 1.5 m focal height, yellow marker buoy complete with radar reflector and yellow flashing LED light (flashing 5 times every 20 seconds).

For further information: Matthew Linham, Fugro EMU Ltd, Tel: +44 (0)239 5500  email: m.linham@fugro.com
Seabed Activity

First Published: 02 July 2015  |  Latest Update: 08 July 2015

North Coast Cornwall – Wave Hub 2015 Navigation Buoy Maintenance

Please be advised that THV Galatea – MRDQ7 is scheduled to carry out navigation buoy maintenance at the Wave Hub offshore site between the 18th and 25th July 2015 or as soon as possible thereafter as weather permits. The works are estimated to take two days and a further notice will be issued when the scheduled maintenance is complete.

The work will be confined to the vicinity of each Wave Hub navigation buoy, positions as follows:

<table>
<thead>
<tr>
<th>Wave Hub AtOn</th>
<th>Details</th>
<th>Coordinates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wave Hub NW – N18100</td>
<td>North Cardinal – 3m Diameter Buoy Allis Station + 6m Focal Plane, While 7nm Light: VQ</td>
<td>50°23.059'N 05°38.241'W</td>
</tr>
<tr>
<td>Wave Hub SE - N18107</td>
<td>South Cardinal – 3m Diameter Buoy 6m Focal Plane, While 7nm Light: VQ(6)+LFl(1)10s</td>
<td>50°20.637'N 05°35.006'W</td>
</tr>
<tr>
<td>Wave Hub Site NW – N18101</td>
<td>Special Mark – 3m Diameter Buoy 4m Focal Plane, GPS Synchronised, Yellow 5nm Light: FL.Y.5s (Sync)</td>
<td>50°22.791'N 05°37.943'W</td>
</tr>
<tr>
<td>Wave Hub Site NE – N18102</td>
<td>Special Mark – 3m Diameter Buoy 4m Focal Plane, GPS Synchronised, Yellow 5nm Light: FL.Y.5s (Sync)</td>
<td>50°22.999'N 05°35.901'W</td>
</tr>
<tr>
<td>Wave Hub Site SE – N18106</td>
<td>Special Mark – 3m Diameter Buoy 4m Focal Plane, GPS Synchronised, Yellow 5nm Light: FL.Y.5s (Sync)</td>
<td>50°20.894'N 05°35.378'W</td>
</tr>
<tr>
<td>Wave Hub Site – N18105</td>
<td>Special Mark – 3m Diameter Buoy 4m Focal Plane, GPS Synchronised, Yellow 5nm Light: FL.Y.5s (Sync)</td>
<td>50°20.542'N 05°37.196'W</td>
</tr>
</tbody>
</table>

The vessel will while working be restricted in her ability to manoeuvre and mariners are requested to give a wide berth (>500m). Any fishing gear laid within 250m of these assigned positions should be cleared if possible.

The data from the buoy is publicly available for the benefit of all mariners operating in the area: http://www.wavehub.co.uk/wave-hub-site/live-wave-data

For further information: Julius Besterman, Wave Hub, Tel: 01736 800291  email: Julius.besterman@wavehub.co.uk

Seabed Activity

First Published: 14 April 2015  |  Latest Update: 14 April 2015

North Coast Cornwall – Cable Exposure

Please be advised that the Wave Hub main 33kV cable remains exposed in places in St Ives Bay. Fishermen should therefore exercise extreme caution if fishing or mooring in the vicinity of the cable

<table>
<thead>
<tr>
<th>KP</th>
<th>Coordinates</th>
<th>Seabed Depth</th>
</tr>
</thead>
<tbody>
<tr>
<td>From 1.9</td>
<td>50°12.691'N 05°25.639W</td>
<td>12.5m</td>
</tr>
<tr>
<td>TO 8.10</td>
<td>50°14.222'N 05°29.945W</td>
<td>27.2m</td>
</tr>
</tbody>
</table>

Background:
The Wave Hub Renewable Energy Development Area is connected to the shore substation via double armoured 160mm diameter live 33kv cable, approximately 25km long and consisting of 6 copper and 48 fibre cores.

Details:
1) From the shore to KP1.9 the subsea power cable is buried to the design depths
2) From KP 1.9 to KP 8.1 the subsea power cable is in parts exposed or carries a high risk of exposure
3) From KP 8.1 to the Wave Hub itself (KP 25) the subsea power cable is surface laid and covered by a continuous rock berm

As of April 2015 the Wave Hub Development Area and cable route is to be included in the Kingfisher KIS-ORCA awareness charts and plotter updates for fishermen: http://www.kis-orca.eu/map

A specific Kingfisher Awareness Chart for Wave Hub is available at: http://www.kis-orca.eu/media/76110/WaveHub_LRes.pdf

For further information: Marco Piano, SEACAMS, Tel:+44 1248 382818  email: m.piano@bangor.ac.uk
Seabed Activity

Walney Offshore Wind Farm –

The seabed survey at the WALNEY OFFSHORE WIND FARM is about to start with the arrival on site of the 12 meter Catamaran survey vessel ‘FUGRO SEEKER’

This survey will be carried out mainly within the perimeter of WALNEY 1 & 2 but will could also include the area around the outer Turbines.

As ‘FUGRO SEEKER’ will be using highly sensitive cameras, sensors and sounding equipment a wide berth is requested around the vessel at all times while on site and passing vessels are requested to reduce speed if possible.

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

Seabed Activity

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 burial depth surveys are continuing to confirm depth and acceptance as weather and conditions permit.

- There is a Wave Rider Buoy in position: 54°00.000′N 003°26.000′W FLY(5) 20s - range 1nm All Turbines have been installed.

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°00.15′N</td>
<td>003°33.52′W</td>
<td>53°56.64′N</td>
<td>003°25.37′W</td>
</tr>
<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>
</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

Seabed Activity

Gwynt y Môr Offshore Wind Farm – Subsea Export Cable Works

Mariners are advised that following recent cable maintenance works conducted by Balfour Beatty, a short stretch of cable remains exposed on the seabed.

A Notice to Mariners has been issued to advise of the location of this cable.

The export cable is exposed between the following locations:

Position A: 53° 24.461′N 003° 35.326′W
Position B: 53° 24.226′N 003° 34.733′W

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
Seabed Activity

Ormonde Offshore Wind Farm – Missing Buoy

First Published: 18 June 2015 | Latest Update: 18 June 2015

The South and West Cardinal Buoys at the Ormonde Wind Farm are still reported as missing but replacement buoys have been ordered and are expected to be in place by the end of July.

All mariners are requested to keep a lookout for any drifting buoys and either contact me or the Ormonde Wind Farm direct on 01229 311118.

The position of the buoys when on station at Ormonde

- South Buoy – N18039 54°03.79’N 003°25.43’W
- West Buoy – N18043 54°05.51’N 003°28.69’W

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

Robin Rigg Offshore Wind Farm

First Published: 19 November 2013 | Latest Update: 20 April 2015

The High Voltage Outage at the ROBIN RIGG WIND FARM has been corrected but the Navigation Lights on three Turbines situated at the Western Section of the Wind Farm are not working.

The Navigation lights affected are on Turbines – RR-K01 : RR-G01 and RR-J06

Replacement Navigations Lights have been sourced and the intention is to have them fitted by the end of the month, weather and conditions permitting.

All mariners are requested and advised to exercise caution when navigating in the vicinity of ROBIN RIGG, additional updates will be issued as soon as further information is available.

Please refer to the attached ‘kingfisher Flyer’ for all the information relating to this Wind Farm

For a copy of the Kingfisher Awareness Flyer for the Robin Rigg Offshore Wind Farm or Fishing Plotter CD, please contact the undersigned. Alternatively, click on the link below, or visit www.kingfishercharts.org

Kingfisher Awareness Flyer: Robin Rigg Offshore Wind Farm
Kingfisher Fishing Plotter CD: Robin Rigg Offshore Wind Farm

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