The shaded blocks below indicate the areas of activity published within this Bulletin.

This Bulletin, along with previous issues, can be viewed at: www.kingfishercharts.org, or you can register for an email alert by contacting: kingfisher@seafish.co.uk

All co-ordinates listed in this Bulletin refer to WGS84 datum
West of Ninian’s Isle – Wave Buoy

Aegir Wave Power is to extend the deployment of its waverider buoy deployed around 4km off the coast of St. Ninian’s Isle, southwest Shetland, on co-ordinates:

**Coordinates**

59°58.560’N  001°26.500’W

The buoy is yellow, 0.7m in diameter and fitted with a yellow flashing light. The buoy is moored by a slack line with underwater floats with allows the buoy to move around a 200m radius watch circle. Mariners are asked to keep a distance from the buoy. The buoy will remain onsite for a further 1-3 years.

For further information, please contact: Rosalind Hart, Tel: 0131 561 2555  email: enquiries@aegirwave.com
Neart na Gaoithe Offshore Windfarm – Metocean Buoy Deployment

On the 14th January 2014, Neart na Gaoithe Offshore Wind Limited deployed two metocean buoys at the National Renewable Energy Centre (Narec) Blyth, details as per the Narec deployment section of the table below. The buoys measure (1) wind speed and direction and (2) waves and currents; both buoys are deployed alongside each other. There are two pennant buoys floating on the surface above each of the two seabed anchors. The buoys are yellow, 1m long, diameter of 0.5m. They are attached to the anchors by steel wire.

The metocean and pennant buoys will be removed from Narec on approximately the 10th April 2014 and redeployed at the Neart na Gaoithe Offshore Wind Farm site on approximately the 14th April 2014.

The buoys have been deployed at the following locations:

55° 08.658’N 001°25.252’W anchors 220m north and south (92 m drift radius from centre point)
55° 08.594’N 001°25.371’W (82 m drift radius)

The buoys will be deployed within the Neart na Gaoithe Wind farm boundary, within 565m of the following co-ordinates:

56° 15.762’N 002°15.033’W 17km and 20km east of fife and the Isle of May respectively.

Deployment is anticipated to be approx.. 14th April 2014 and expected to stay in place for 12 months.

Specifications of the wind speed and direction measurement device

A standard marine buoy is located at Narec (to be moved to Neart na Gaoithe Offshore Wind Farm site) and will be serviced at 6 weekly intervals, and remain in place for approximately 12 months. The buoy is painted to IALA standard and is equipped with a radar reflector and an amber navigation light set to flash 5 times at 1Hz every 20 seconds. Its size is 4 metres x 9 metres (m) (5m above/4m below the water line) with a maximum weight of 7 tonnes. The mooring system is through the use of two delta flipper anchors with riser chains (maximum 250m each) and single connection to the buoy. Some of the chain will lie on the seabed. The result of this mooring configuration is a large excursion of the buoy about its moorings; we ask that passing vessels give the buoy a wide berth of approximately 300m.

Specifications of wave and current measurement buoy

A directional wave rider (DWR) buoy is located at Narec (to be moved to Neart na Gaoithe Offshore Wind Farm site) and will be serviced at 6 weekly intervals, and remain in place until further notice. The DWR buoy is painted to IALA standard and is equipped with an amber navigation light set to flash 5 times at 1Hz every 20 seconds. Its size is 0.9m diameter and is spherical in shape. The DWR buoy is moored to the seabed through a single bungee line attaching to the buoy which may float depending on current speeds. The result of this mooring configuration is a large excursion of the buoy about its mooring; we ask that passing vessels give the buoy a wide berth of approximately 300m.

For further information, please contact: Keith D Harsham, Mainstream, Tel: +44(0) 207765515 email: keith.harsham@mainstreamrp.com
For ‘live’ Kingfisher updates of all Cable & Wind Farm activities, please visit www.kis-orca.eu

Dogger Bank Wind Farm – Operations & Maintenance on Met Masts

Mariners are advised that Forewind will shortly be conducting Operations and Maintenance (O&M) work at the two meteorological masts within the Dogger Bank Round 3 wind farm zone.

These activities will be performed via the Dart Fisher, operated by James Fisher and Sons plc. The work will commence on Thursday 10 April and is expected to last 3-4 days. Vessels in the area are requested to keep at least 500m from the masts for the duration of the work.

The names and locations of the meteorological masts are:

Dogger Bank Met Mast Sign: DB-MME  
55°05.851’N 02°42.064’E

Dogger Bank Met Mast Sign: DB-MMW  
54°51.872’N 01°49.082’E

For further information, please contact: Nachaat Tahmaz, Forewind, Tel: 07818597854  email: nachaat.tahmaz@forewind.co.uk  or Nigel Proctor, Fisheries Liaison Officer, Tel: 07702730891  email: n.proctor@precisionmarine.co.uk

London Array Wind Farm – Construction Works

Construction works at London Array Offshore Wind Farm are complete and the wind farm is operational. However, remedial construction works are required at a number of turbines and inter array cable locations.

In order to avoid damage to the wind farm assets whilst remedial construction is conducted at London Array the following guidelines should be adhered to:

- Safety Exclusion Zones remain in operation for October 2013 and will be reinstated in March 2014 through to November 2014. This means an enforceable 50m exclusion from each turbine and 500m exclusion from a construction vessel will be in operation for this period.
- Between October 2013 and November 2014 an advisory 100m exclusion should be observed around each turbine and offshore substation due to the risk of exposures of array cable ends at foundations whilst remedial works are on-going.
- Cable reburial is required at the following locations and as such these areas should be avoided in totality.
- Care should be taken within the wind farm site to avoid snagging array cables. Although not expected, natural seabed variation may reduce the depth of burial over buried cables without London Array’s immediate knowledge.
- Snagging cables not only poses a risk to health and safety but could also cause a serious risk of damage to wind farm assets.

For further information, please contact: Email: londonarraytraffic@dongenergy.dk, Tel: +44(0)7909414690 or +45 31727585
Lincs Offshore Wind Farm – Aids to Navigation Outage

Mariners are advised of imminent changes to the marine navigation markings associated with the Lincs Offshore Wind Farm.

- Mariners are advised that the Fishing Vessel "Jubilee Spirit" (GY25) (Length 21m, Breath 7m) will be operating in and around the Lincs Site from the 14th of April, performing standard survey operations. Mariners are requested to give the vessel clearance during operations as the vessel will have restricted manoeuvrability.
- The Fishing vessel "The Two Brothers" (LN1) (length 9.8m breath 5.1m) will be operating in and around the Lincs site conducting normal survey works, from the 15th of April until the 30th of April. Mariners are advised to give this vessel clearance during operations as the vessel will have restricted manoeuvrability.

Mariners are advised that the following Aids to Navigation within the Lincs site remain out of operation and are undergoing maintenance works. Fog Horns on LS69

The locations and specification of the 8 permanent navigation aids, is shown below.

<table>
<thead>
<tr>
<th>Turbine N°</th>
<th>Position</th>
<th>Permanent Marine Navigation Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>LS01</td>
<td>53°14.475'N 000°27.569'E</td>
<td>(Fl Y 5s) and Fog Horn</td>
</tr>
<tr>
<td>LS02</td>
<td>53°13.069'N 000°28.162'E</td>
<td>(Fl Y 5s)</td>
</tr>
<tr>
<td>LS13</td>
<td>53°09.451'N 000°28.503'E</td>
<td>(Fl Y 5s)</td>
</tr>
<tr>
<td>LS33</td>
<td>53°07.712'N 000°29.042'E</td>
<td>(Fl Y 5s)</td>
</tr>
<tr>
<td>LS52</td>
<td>53°14.843'N 000°30.010'E</td>
<td>(Fl Y 5s) and Fog Horn</td>
</tr>
<tr>
<td>LS59</td>
<td>53°12.453'N 000°31.016'E</td>
<td>(Fl Y 5s) and Fog Horn</td>
</tr>
<tr>
<td>LS64</td>
<td>53°10.803'N 000°31.047'E</td>
<td>(Fl Y 5s)</td>
</tr>
<tr>
<td>LS69</td>
<td>53°09.088'N 000°31.048'E</td>
<td>(Fl Y 5s) and Fog Horn</td>
</tr>
</tbody>
</table>

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

Rampion Offshore Wind Farm – Survey Activity

E.ON Climate and Renewables – Rampion Offshore Limited has contracted Fugro to carry out a geotechnical site investigation for the proposed Rampion wind farm. Fugro will be undertaking the geotechnical site investigation at up to 183 locations within the wind farm site area.

<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>Fugro</td>
<td>1. 50°41.167N 000°22.018W</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2. 50°37.375N 000°20.760W</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3. 50°38.659N 000°16.478W</td>
<td></td>
</tr>
<tr>
<td></td>
<td>4. 50°37.182N 000°15.731W</td>
<td></td>
</tr>
<tr>
<td></td>
<td>5. 50°39.581N 000°01.552W</td>
<td></td>
</tr>
<tr>
<td></td>
<td>6. 50°40.709N 000°04.462W</td>
<td></td>
</tr>
<tr>
<td></td>
<td>7. 50°42.417N 000°13.802W</td>
<td></td>
</tr>
<tr>
<td>SRV Bavenit</td>
<td>16th April 2014</td>
<td></td>
</tr>
<tr>
<td>MV Gargano</td>
<td>Until May/June 2014</td>
<td></td>
</tr>
</tbody>
</table>

For further information, please contact: Vicki Griffiths, Tel: +44(0)1491 820 696  email: v.griffiths@fugro.co.uk
Humber Gateway Offshore Wind Farm – Foundation Installation Phase 1

Please be advised that E.ON will be installing 24 Wind Turbine Foundations approximately 10 miles offshore from Spurn Head, within the Humber Gateway Offshore Wind Farm.

Whalsa Lass: Deploy Tri-Axy Wave Rider Buoy. Vessel will also be mobilising for diving operations for close proximity Boulder clearance operations. A 1000m Exclusion zone will be in place for these particular operations. Vessel will also be conducting anchor trials within the HGOWF site.

• Scotia W: Standby Grimsby Fish Dock/bird surveys.
• Spirit of Hoton: Standby Grimsby Fish Dock/ NAV aid checks.
• Spirit of Sunthorp: CTV for bolt tensioning operations.
• Windcat 14: Mobilise for Safety Boat Whalsa Lass Diving operations.

The project has relocated both wave rider buoys

LAT	LONG
53°38.776’N	00°17.756’E
53°38.199’N	00°15.846’E

Export Cable End Markers (South of the Offshore sub-station) Both cable ends have now been laid on the seabed. Please note a 800m exclusion zone has been implemented around the duct ends to protect the surface laid cable.

LAT	LONG
North End Cable	53°39.248’N	00°15.181’E
South End Cable	53°39.280’N	00°15.215’E

Greater Gabbard Offshore Wind Farm – Jack-up Barge Operations

Jack-up Barge operations will commence on 8th March 2014 on the Greater Gabbard offshore windfarm. The work is expected to last until 28th April 2014.

The following wind turbines and co-ordinates are where the operations will take place.

<table>
<thead>
<tr>
<th>Turbine</th>
<th>LAT</th>
<th>LONG</th>
</tr>
</thead>
<tbody>
<tr>
<td>IGB-03</td>
<td>51°56.399’N</td>
<td>01°52.733’E</td>
</tr>
<tr>
<td>IGB-01</td>
<td>51°58.062’N</td>
<td>01°54.496’E</td>
</tr>
<tr>
<td>IGE-06</td>
<td>51°56.015’N</td>
<td>01°55.761’E</td>
</tr>
<tr>
<td>IGF-01</td>
<td>51°56.748’N</td>
<td>01°57.005’E</td>
</tr>
<tr>
<td>IGI-09</td>
<td>51°53.076’N</td>
<td>01°57.071’E</td>
</tr>
<tr>
<td>GAF-02</td>
<td>51°46.688’N</td>
<td>01°59.903’E</td>
</tr>
<tr>
<td>GAD-07</td>
<td>51°45.546’N</td>
<td>01°57.545’E</td>
</tr>
<tr>
<td>GAE-07</td>
<td>51°44.904’N</td>
<td>01°58.138’E</td>
</tr>
</tbody>
</table>

Vessel Name: Sea-Jacks Leviathan  Call Sign: 3ESC6

A 500 meters Exclusion zone will be in force around the Jack-up Barge at all times, If you need to approach the Barge please contact them on VHF ch16.

For further information, please contact: Jonathan Kerr, SSE, Tel: +44(0)1379 870181  email: jonathan@brownmay.com
Sheringham Shoal Wind Farm – Malfunction of Lights

The following items relating to sign lighting are not functional within Sheringham Shoal Wind Farm. Sign lights are not navigational aids and are not to be used as such.

<table>
<thead>
<tr>
<th>Location</th>
<th>Position</th>
<th>ID Config</th>
<th>Defect</th>
</tr>
</thead>
<tbody>
<tr>
<td>OS1</td>
<td>53°08.648'N 001°07.236'E</td>
<td>4 ID boards around transition piece each with 3 lights (total 12 lights)</td>
<td>East ID light board, left bulb of 3 unlit</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>West ID light board, right bulb of 3 unlit</td>
</tr>
<tr>
<td>OS2</td>
<td>53°07.602'N 001°10.549'E</td>
<td>4 ID boards around transition piece each with 3 lights (total 12 lights)</td>
<td>North West ID light board, centre bulb of 3 unit</td>
</tr>
<tr>
<td>H6</td>
<td>53°07.194'N 001°10.482'E</td>
<td>3 ID boards around transition piece.</td>
<td>South East ID light board is unlit</td>
</tr>
</tbody>
</table>

For further information, please contact: Gary Lorimer, Statkraft, Tel: +44 (0)1328 824356 email: Gary.Lorimer@statkraft.com
Robin Rigg Offshore Wind Farm – Hazard / Plotter Files / Operations

Further to the maintenance programme being carried out at the Robin Rigg Wind Farm a bathymetric survey will also be carried out conducted by the survey vessel ‘MV Norfolk Swift’.

The survey is expected to start on Friday 11th April and will cover the whole of the Wind Farm as well as the Export Cable corridor and is not expected to interfere with any other vessel.

This survey is expected to last approx. two to three weeks depending on weather and a wide berth is requested at all times, a listening watch will be kept on VHF Channels 16 & 14 and the vessel can be contacted for information relating to the vessels movements only.

‘NORFOLK SWIFT’ will be based in Whitehaven for the duration of this survey.

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

Gwynt y Môr Offshore Wind Farm – Construction Activities

The Gwynt y Môr Offshore Wind Farm Project is located between 15km to 20km off the coast of North Wales in the Liverpool Bay area of the Irish Sea. It is adjacent to RWE Innogy’s North Hoyle and Rhyl Flats offshore wind farms. The consented site covers an area of 124km2. The water depth ranges from 12m to 28m LAT with a tidal range of 8.5m.

From the 25th March 2014 until further notice the survey vessels RV Discovery and Confidante will be carrying out seabed investigations at various locations within the Gwynt y Môr Offshore Windfarm. The RV Discovery is replacing the Prince Madog with the Confidante joining as an additional vessel to assist in the survey work that started recently.

All work will be conducted within the GyM site boundary. Other vessels are advised to observe a 500m safety zone around the vessels engaged in survey or diving operations.

Information about the vessels involved in the survey work and a link to their details on MarineTraffic.com are given below:-

- Chartwell: Survey vessel | Call sign MHTV6
- Confidante: Survey vessel | Call sign ZQZI5
- Discovery: Survey vessel | Call sign 2AEL8

The vessels will monitor private radio channels and VHF Channel 16 at all times.

Inter Array Cable Installation Work
The cable laying vessel Sia and MV Fugro Saltire are due to start inter-array cable installation from the 26th January 2014 until further notice. Sia will be laying cable between turbines and the Fugro Saltire will deploy a sub-surface trenching ROV to create a trench and then bury the cables. These vessels will be supported by a small survey vessel (MV Line) and HBC Supporter (a small diving vessel). There will also be 3 Crew Transfer Vessels involved (Achiever, Transporter & Zephyr) which will transit between the site and Liverpool on a daily basis. All work will be conducted within the GyM site boundary. Other vessels are advised to observe a 500m safety zone around the vessels engaged in cable operations survey or diving operations. Mariners advised that there will be occasions when subsea cables within the windfarm area may remain unbubbled until trenched into the seabed.

Continued over page…
10 April 2014 | Issue 08

The latest information about cable burial can be obtained by contacting Marine Coordination Centre on +44(0)151-210-2388 or +44(0)7827-24495 or VHF Chan.16.

Wind Farm Construction Status

- Monopiles: 160 installed. Monopile installation is now complete.
- Transition pieces: 159 installed, 1 remaining.
- Export cables: 4 export cables installed; installation is now complete.
- Array Cables: 50 array cables installed, 111 remaining.
- Wind Turbine Generators: 129 installed, 31 remaining.

Navigation Hazards

There are presently a number of navigation hazards in and around the windfarm area. These include:

- Unlit objects - there are presently 2 unlit transition pieces within the windfarm boundary. The location of these hazards is shown in a map here.
- Exposed monopiles - there are currently 1 exposed monopiles, which may be submerged at certain states of tide. Extreme care should be observed in the vicinity of these monopiles. Advice about exposed monopiles is given in our previous notice here.

Work planned for next 7 days

- Frederich Ernestine and support vessels will continue with foundation installation.
- Wind Solution will remain at anchor position to the south of Gwynt y Môr, sailing into Liverpool for shelter as required.
- Sea Jack and Sea Worker turbine installation vessels will continue with wind turbine installation.
- Penrhos Bay, Caernarfon Bay, Abersoch Bay, Gaiillon, Gardian 10, Gardian, Colwyn Bay, Scirocco, Porth Dinlaen, Porth Diana, EMS Viking and Endurance will be utilised as Crew Transfer Vessels when required sailing from Liverpool Marina and Canada Dock 3.
- Penfroos Bay & Tremadoc Bay will provide 24 hour Emergency Rescue Team cover.
- MCS Zephyr, Achiever and Cwind Alliance will continue to sail from Huskisson's Dock as required to assist with cable operations.
- Athena, Adventure, Endeavour, Buzzard, Captain P, Commodore P, Porth Wen, Iceni Victory and Discovery CTVs will be sailing from Mostyn as required.
- Normand Tonjer will continue diving operations including work with the Polar Prince to aid installation of array cables.
- HBC Supporter will continue diving operations.
- Isadale will continue performing guard duties and will be used as the Marine Mammal Observation vessel as and when required.
- JB114 will continue with drilling operations at Gwynt y Môr wind farm supported by Smi Barracuda and Union Diamond.
- Channel Chief M V and Cwind Challenger will continue refuelling operations on site based from Mostyn.
- Cable vessel Sia will commence operations on site.
- Polar Prince will continue array cable installation with Polar King assisted by CTVs Rix Panther and Rix Tiger.
- Sea Breeze will commence / continue operations at site.
- Sea Storm continued with mobilisation at Liverpool & commence operations at site.
- Survey vessel Line will continue surveys of array cable routes.

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

First Published: 05 December 2012 | Latest Update: 06 April 2014

The West of Duddon Sands offshore windfarm is a joint venture between DONG Energy West of Duddon Sands (UK) Limited and ScottishPower Renewables (WoDS) Limited.

Recent survey operations have indicated that a short stretch of the Walney 1 offshore wind farm export cable to be only shallow buried with possible areas of exposed cable.

In the interests of safety all mariners and especially fishermen are advised/requested not to anchor or trawl in the area of the Export Cable the co-ordinates of which are also given below:

- 53°58.24'N 003°06.12'W
- 53°58.44'N 003°05.18'W

Maersk Responder is continuing with trenching and burial works on the Inter-Array or Infield Cables as weather and conditions permit.

Continued over page…
For ‘live’ Kingfisher updates of all Cable & Wind Farm activities, please visit www.kis-orca.eu

Two Guard Vessels, ‘Headway’ and ‘Benaiah’, are on site and will remain until the exposed cables have been fully protected, both vessels will keep a continuous listening watch on VHF Channels 16 & 12 and can be contacted for information on the exposed cable positions only, ‘Headway’ will also monitor VHF Channel 14.

Both Export Cables have been laid and buried from the landfall position at Middleton Sands all the way to the Sub-Station. There are positions of exposed cable as detailed below:

1. The Barrow Export Cable crossing and the splice lay down position at KP9, Heysham lake/Lune Deep area, which are being guarded by the Guard Vessel ‘Headway’.
2. There is a Wave Rider Buoy in Lune Deep in position: 53°59.072’N  003°01.693’W Fl. Y (5) 20s – range 1nm
3. The WALNEY 2 Export Cable crossing and the two gas pipeline crossings, just to the north of Barrow Wind Farm, which are being guarded by the Guard Vessel ‘Benaiah 1V’
4. The Northern Export Cable crossing at KP24.2, this position is to the South and East of the Calder Gas Pipeline and is also being guarded by ‘Oceanus’.  
5. Exposed cable on the seabed: 53°59.20’N  003°14.60’W. This position is being guarded by the Guard Vessel ‘Benaiah 1V’.

All of these vessels will keep a continuous listening watch on VHF Channels 16 & 12 and can be contacted for information on the exposed cable positions only, ‘Northern Venture’ will also monitor VHF Channel 14

Boundary of Location Activities:

<table>
<thead>
<tr>
<th>Latitude</th>
<th>Longitude</th>
</tr>
</thead>
<tbody>
<tr>
<td>54°00.15’N</td>
<td>003°33.52’W</td>
</tr>
<tr>
<td>54°01.78’N</td>
<td>003°28.67’W</td>
</tr>
<tr>
<td>53°56.35’N</td>
<td>003°22.80’W</td>
</tr>
<tr>
<td>53°56.64’N</td>
<td>003°25.37’W</td>
</tr>
<tr>
<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

In case of emergency, please contact: Dan Torben Christensen, Dong Energy, Tel: +44(0)7528921388  email: danch@dongenergy.dk

First Published: 02 July 2012  |  Latest Update: 06 April 2014

Walney 1, 2 & Extension Offshore Wind Farm – Construction Activity / Consultation

With reference to the Kingfisher ‘flyer’, all mariners should note that turbine C09 is now unlit and turbine A14 exhibits Fl y 5s (sync) light characteristics. The south cardinal buoy has now been removed.

A new Flidar (floating wind measurement buoy) which consists of an offshore Light Detection And Ranging (LiDAR) device mounted on a standard yellow industrial buoy, powered by an autonomous solar and wind system and moored to the sea bed with anchor blocks and an anchor chain. It has been deployed in the East Irish Sea at the NW Corner of the proposed Walney 3 Offshore Wind Farm

ENE Anchor | 54°08.183’N | 003°55.067’W
WSW Anchor | 54°08.150’N | 003°55.300’W
FLiDAR | 54°08.167’N | 003°55.183’W

Wet Store Berth Inside Walney 2 Wind Farm.

The Dive Support Vessel ‘HBC Supporter’ has two anchors in a ‘Wet Store Berth’ inside the Walney 2 Wind Farm in position:

<table>
<thead>
<tr>
<th>Latitude</th>
<th>Longitude</th>
</tr>
</thead>
<tbody>
<tr>
<td>54°05.300’N</td>
<td>003°39.220’W</td>
</tr>
<tr>
<td>54°05.180’N</td>
<td>003°39.190’W</td>
</tr>
</tbody>
</table>

Both anchors are close to the Turbine F15 and are buoyed and lit

Marker Buoys for Wet Storage Area

The 4 Buoys marking what was the wet storage area, inside of Walney 2 are still in place although there are no anchors or obstructions on the seabed.

Continued over page…
Position of Wet Storage Buoys

54°04.380'N | 003°37.480'W

These Buoys are equipped with solar powered quick flash lights and will be removed at some future date. Until notice has been given that these buoys have been removed all mariners, and especially fishermen, wishing to navigate within the Wind Farm for whatever reason are advised to note these positions and enter them on their charts / plotters and keep clear.

For a copy of the Kingfisher Awareness Flyers for the Walney Offshore Wind Farms, please contact the undersigned. Alternatively, click on the link below, or visit www.kingfishercharts.org

Kingfisher Awareness Flyer: Walney 2 Offshore Wind Farm
Kingfisher Awareness Flyer: Walney 1 Offshore Wind Farm

For further information, please contact: Tom Watson, Tel: 01253 875565, Mob: 07903 173624

First Published: 16 December 2013 | Latest Update: 24 March 2014

Burbo Bank Offshore Wind Farm – Survey Activity

A Geotechnical Ground Investigation consisting of a combination of Deep Boreholes with Cone Penetration Testing (CPT's) at selected positions as well as shallow Vibracore and adjacent CPT's is scheduled to start in the early part of the New Year at the proposed extension to the BURBO BANK WIND FARM.

<table>
<thead>
<tr>
<th>Company, Vessel &amp; Call Sign</th>
<th>Area Covered</th>
<th>Start Timeframe &amp; Duration</th>
<th>Area</th>
</tr>
</thead>
</table>
| Excalibur                   | 1. 53°27.817'N 003°18.358'W  
2. 53°30.142'N 003°22.592'W  
3. 53°30.170'N 003°13.200'W  
4. 53°29.682'N 003°13.439'W  
5. 53°28.213'N 003°10.743'W  
6. 53°27.833'N 003°11.777'W | 24th January 2014 |      |
| MTS Valiant                 |              |                           |      |
| Fugro Commander             |              |                           |      |

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

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First Flight Wind – MetOcean Monitoring

On behalf of First Flight Wind Ltd, FUGRO EMU Ltd plans to undertake the first scheduled service of metocean monitoring equipment deployed within the Northern Irish Wind Resource Zone in the week commencing Sunday 16th March 2014 or at the earliest opportunity thereafter, weather and vessel dependent.

Equipment is currently deployed at two locations within the Northern Irish Wind Resource Zone:

Deployment Location 1 (northern location): 54°08.927’N, 005°43.365’W
Deployment Location 2 (southern location): 53°54.085’N, 005°50.227’W

Deployed equipment currently comprises the following:

- 2 x wave buoys (one per location)
- 2 x cardinal marks with straight line moorings (one per location)
- 2 x cardinal marks with L-shaped moorings complete with seabed frame (one per location)

Equipment is deployed for the collection of wave, tide, temperature, current, salinity and turbidity data. Equipment will be deployed until approx. November 2015.

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ACTIVITY DETAILS AND SCHEDULE

Servicing and data recovery from all deployed equipment is planned to take place during the week commencing Sunday 16th March 2014, weather and vessel dependent. The scheduled works are anticipated to require a total of 2-3 days. During this visit, both wave buoys will be recovered for servicing. Likewise, the seabed frames and moorings (inclusive of accompanying cardinal mark) will be recovered and serviced. All serviced equipment will be redeployed at its current location.

Marine users are requested to maintain a minimum clearance of 300m from the vessel during these works. A 300m clearance is also requested around all deployed equipment in order to avoid danger of damage, collision or entanglement.

For further information, please contact: Matt Linham, MetOcean Scientist, Tel: +44(0)2392 20503 email: matthew.linham@fugroemu.com or Fergal Darcy, DONG Energy, Tel: +44(0)207811 5474 email: ferda@dongenergy.co.uk