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
Acoustic Surveys – Marine Conservation Zones

As part of the implementation by HM Government of the Marine and Coastal Access Act, a network of conservation sites, intended to conserve or improve the UK marine environment are being created in British seas. The network will comprise European Marine Sites, Sites of Special Scientific Interest, Ramsar sites and Marine Conservation Zones (MCZs).

During early 2014, Cefas will be commissioning a number of survey contractors to undertake Acoustic Surveys (hull mounted multi-beam ONLY) within 8 recommended Marine Conservation Zones / Special Areas of Conservation (SAC’s). It is anticipated that surveys will be completed by the 31st March 2014.

- Berwickshire & Coquet to St Marys Point
- Silver Pit & Cromer Shoal
- Goodwin Sands
- Bideford to Foreland Point
- Greater Haig Fras & East of Jones Bank


For further information, please contact: Simon Prince, RSS Marine, Tel: 01723 893930  email: sprince@rssmarine.co.uk

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 5612555  email: enquiries@aegirwave.com
### Neart na Gaoithe Offshore Windfarm – Survey Activity

Neart na Gaoithe Offshore Wind Limited will be carrying out 110 seabed Cone Penetration Tests (CPTs) at the Neart na Gaoithe offshore wind farm site. The Neart na Gaoithe offshore wind farm site is located in the outer Firth Estuary and is located approximately 15 km to the east of Fife Ness and 30 km to the north of Torness, Scotland. The survey has now taken place at the offshore wind farm site only.

<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>Neart na Gaoithe Offshore Wind Ltd</td>
<td>1. 56°15.227N 002°09.959W</td>
<td>The survey finished on 7th March 2014</td>
</tr>
<tr>
<td>Fugro Commander</td>
<td>56°12.722N 002°14.389W</td>
<td></td>
</tr>
<tr>
<td>Call Sign: HO3057</td>
<td>56°15.435N 002°16.892W</td>
<td></td>
</tr>
<tr>
<td></td>
<td>56°15.783N 002°16.152W</td>
<td></td>
</tr>
<tr>
<td></td>
<td>56°17.386N 002°20.329W</td>
<td></td>
</tr>
<tr>
<td></td>
<td>56°19.708N 002°17.923W</td>
<td></td>
</tr>
<tr>
<td></td>
<td>56°20.268N 002°16.615W</td>
<td></td>
</tr>
<tr>
<td></td>
<td>56°20.127N 002°15.007W</td>
<td></td>
</tr>
</tbody>
</table>

For further information, please contact: Rosie Scurr Tel: +44 (0)141 249 6583 or +44 (0) 07967 445 717 rosie.scurr@mainstreamrp.com

### Neart na Gaoithe Offshore Windfarm – Metocean Buoy Deployment

Please be advised that Neart na Gaoithe Offshore Wind Limited have deployed two metocean buoys at the National Renewable Energy Centre (Narec) Blyth, at the locations below to measure (1) wind speed and direction and (2) waves and currents; both buoys have been 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 buoys deployed on 14th January 2014. The buoys will be in place for approximately 3 months.

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)

Specifications of the wind speed and direction measurement device

A standard marine buoy is located at Narec and will be serviced at 6 weekly intervals, and remain in place until further notice. 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 (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.

Specifications of wave and current measurement buoy

A directional wave rider (DWR) buoy is located at Narec 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, Main stream, Tel: +44(0) 2077765515 email: Keith.Harsham@mainstreamrp.com
## Hywind Offshore Wind Farm – Survey Activity

The vessel Bucentaur will be conducting approx. 4 boreholes within the survey.

<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>

For further information, please contact: Daniel Melin, Fugro Geotechnics, Tel: +47 94178814 email: dame@statoil.com
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 Jack-up Vessel “Pacific Osprey” (Call Sign 5BUF3) will be operating within the Lincs Site (LS28) from 16th March 2014 until the 30th March 2014. The Pacific Osprey is a Jack-up vessel 160m in length. Mariners are requested to give the vessel a clearance of 500 metres whilst the vessel is operating within the site.
- The vessel Cacheflow (Call Sign 2ASL2) will be conducting surveys within the Lincs Site from the 19th of March 2014 until the 19th of April 2014. The Cacheflow is a small survey craft 12.0m in length. The Vessel will not be towing any equipment and will not 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 LS01, LS05, LS13, LS33, LS52, LS59, LS64, LS69

<table>
<thead>
<tr>
<th>Turbine</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>LS05</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°29.403'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°12.451'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

Kingfisher Awareness Flyer: Lincs Offshore Wind Farm

For further information, please contact: Email: Renewables@Centrica.com OR a Fisheries Liaison Officer (FLO) – Mob: 07831705192

Race Bank – Met Mast Platform

DONG Energy wishes to make all mariners aware that all aids to navigation (a lighted beacon and fog horn) on the platform of the former Race Bank Meteorological Mast are now functioning and operational.

Co-ordinates of Race Bank met mast platform:

Coordinates
53°18.820’N 000°44.850’E

The Guard Vessel MV “Mary Ann I”, which has been in operation in the vicinity of the Race Bank Meteorological Mast Platform is standing down as of Friday 7th March 2014.

For further information, please contact: Simon Prince: Tel: 07920 273866, Email: sprince@rssmarine.co.uk
Dudgeon Offshore Wind Farm – Survey Activity

The vessel Toisa Voyager will be conducting approx. 70 cone penetration tests within the area. The vessel will remain stationary at locations for approx. 1-4 hours whilst conducting the tests.

<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>Forewind Toisa Voyager C6UM9</td>
<td>1. 53°15.107’N 001°16.981’E</td>
<td>08th March 2014</td>
</tr>
<tr>
<td></td>
<td>2. 53°18.469’N 001°17.254’E</td>
<td>17th March 2014</td>
</tr>
<tr>
<td></td>
<td>3. 53°19.499’N 001°18.377’E</td>
<td></td>
</tr>
<tr>
<td></td>
<td>4. 53°20.327’N 001°20.940’E</td>
<td></td>
</tr>
<tr>
<td></td>
<td>5. 53°16.734’N 001°26.666’E</td>
<td></td>
</tr>
<tr>
<td></td>
<td>6. 53°15.997’N 001°25.556’E</td>
<td></td>
</tr>
<tr>
<td></td>
<td>7. 53°14.259’N 001°28.962’E</td>
<td></td>
</tr>
<tr>
<td></td>
<td>8. 53°13.722’N 001°27.958’E</td>
<td></td>
</tr>
<tr>
<td></td>
<td>9. 53°11.395’N 001°27.761’E</td>
<td></td>
</tr>
<tr>
<td></td>
<td>10. 53°11.109’N 001°27.392’E</td>
<td></td>
</tr>
<tr>
<td></td>
<td>11. 53°11.492’N 001°26.570’E</td>
<td></td>
</tr>
<tr>
<td></td>
<td>12. 53°11.408’N 001°24.977’E</td>
<td></td>
</tr>
</tbody>
</table>

For further information, please contact: Callum Duffy, Forewind, Email: Callum.duffy@forewind.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.

Atlantic Explorer: Operations will be ongoing until further notice.

The project has relocated both wave rider buoys

**LAT**
- 53°38.776’N 00°17.756’E
- 53°38.199’N 00°15.846’E

**Long**
- 00°17.756’E
- 00°15.846’E

**Important Locations:**

<table>
<thead>
<tr>
<th>Characteristics</th>
<th>Lat</th>
<th>Long</th>
</tr>
</thead>
<tbody>
<tr>
<td>Met Mast</td>
<td>53°38.237’N</td>
<td>00°15.730’E</td>
</tr>
<tr>
<td>West Cardinal Lighted Buoy (N)</td>
<td>53°39.900’N</td>
<td>00°14.200’E</td>
</tr>
<tr>
<td>West Cardinal Lighted Buoy (S)</td>
<td>53°37.000’N</td>
<td>00°16.000’E</td>
</tr>
<tr>
<td>South Cardinal Lighted Buoy</td>
<td>53°36.500’N</td>
<td>00°17.400’E</td>
</tr>
<tr>
<td>East Cardinal Lighted Buoy (S)</td>
<td>53°38.400’N</td>
<td>00°20.100’E</td>
</tr>
<tr>
<td>East Cardinal Lighted Buoy (N)</td>
<td>53°40.300’N</td>
<td>00°20.100’E</td>
</tr>
<tr>
<td>Wave rider No 1</td>
<td>53°39.800’N</td>
<td>00°18.160’E</td>
</tr>
</tbody>
</table>

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**
- 53°39.248’N
- 53°39.280’N

**Long**
- 00°15.191’E
- 00°15.215’E

For further information, please contact: Gordon Bain, Eon Tel:+44(0) 7787241442 or Nigel Proctor (Fisheries Liaison) Tel: +44(0)7702730891
Greater Gabbard Offshore Wind Farm – Jack-up Barge Operations

Jack-up Barge operations will commence on Monday 24th February 2014 on the Greater Gabbard offshore windfarm. The work is expected to last until Friday 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°55.781'E</td>
</tr>
<tr>
<td>IGF-01</td>
<td>51°56.748'N</td>
<td>01°57.005'E</td>
</tr>
<tr>
<td>GAF-02</td>
<td>51°46.688'N</td>
<td>01°59.903'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
13 March 2014 | Issue 06

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

First Published: 29 June 2012 | Latest Update: 10 March 2014

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 Rhiyl 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.

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 unburied until trenches into the seabed.

The latest information about cable burial can be obtained by contacting Marine Coordination Centre on +44(0)151-210-2388 or +44(0)7827-244495 or VHF Chan.16.

Wind Farm Construction Status
- Monopiles: 160 installed. Monopile installation is now complete.
- Transition pieces: 155 installed, 5 remaining.
- Export cables: 4 export cables installed; installation is now complete.
- Array Cables: 39 array cables installed, 122 remaining.
- Wind Turbine Generators: 123 installed, 37 remaining.

Navigation Hazards
There are presently a number of navigation hazards in and around the windfarm area. These include:-
- Unlit objects - there are presently 3 unlit transition pieces within the windfarm boundary. The location of these hazards is shown in a map here.
- Exposed monopiles - there are currently 6 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
- Friedrich 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
- Penrhyn Bay, Caernarfon Bay, Abersoch Bay, Gallion, Gardian 10, Gardian, Colwyn Bay, Scirocco, Porth Dinllaen, Porth Diana, EMS Viking and Endurance will be utilised as Crew Transfer Vessels when required sailing from Liverpool Marina and Canada Dock 3.
- Penrhos 1 & Tremadoc Bay will provide 24 hour Emergency Rescue Team cover.
- MCS Zephyr, Achiever and Cwind Alliance will continue to sail from Huskissons 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 Smi1 Barracuda and Union Diamond.
- Channel Chieftain VII 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.
- Fugro Saltire will be utilised as required, sailing from Canada Dock 2.
- 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

For further information, please contact: Lee Cornwell, RWE npower renewables, Mob: +44 (0) 7557 319473, Email: lee.cornwell@rwe.com
West of Duddon Sands Offshore Wind Farm – Construction Works

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 will continue with trenching and burial works on the Inter-Array or Infield Cables as weather and conditions permit.

The Rock Dump vessel ‘Rock Piper’ has completed laying the second load of Rock at the exposed cable locations along the Export Cable Routes and has left to re-load.

Guard Vessels are still on site and will remain until the exposed cables have been fully protected.

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>55°00.15’N</td>
<td>003°35.52’W</td>
</tr>
<tr>
<td>54°01.78’N</td>
<td>003°26.67’W</td>
</tr>
<tr>
<td>53°58.35’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

In case of emergency, please contact:

Dan Torben Christensen, Dong Energy, Tel: +44(0)7528921388 email: danch@dongenergy.dk

Produced by The Kingfisher Information Service of Seafish, in conjunction with The Crown Estate.
Any queries please contact Kingfisher Information Services, Sea Fish Industry Authority, Humber Seafood Institute, Origin Way, Europarc, Grimsby, DN37 9TZ
email: kingfisher@seafish.co.uk website: www.kingfishercharts.org tel: +44 (0)1472 252307 fax: +44 (0)1472 268792
For ‘live’ Kingfisher updates of all Cable & Wind Farm activities, please visit www.kis-orca.eu

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>
<tbody>
<tr>
<td>Excalibur</td>
<td>53°27.817'N 003°18.358'W</td>
<td>24th January 2014</td>
<td>End of March 2014</td>
</tr>
<tr>
<td>MTS Valiant</td>
<td>53°30.142'N 003°22.592'W</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>53°30.170'N 003°13.200'W</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>53°29.682'N 003°10.743'W</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>53°28.213'N 003°11.777'W</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

Robin Rigg Offshore Wind Farm – Hazard / Plotter Files / Operations

The programme of maintenance work at the Robin Rigg Wind farm is ongoing and as weather and conditions improve so the programme will be stepped up.

Technicians will be transferred out to selected Turbines by Crew Transfer/ Secondary Work Vessels on a daily basis and this programme is scheduled to run for several months.

None of this work is expected to interfere with any other vessels and all of the work will be dependent on weather and conditions.

Two new Personnel/Crew Transfer Vessels 'Rhoscolyn Head' and 'Solway Challenger' have joined the two vessels already in service, 'Solway Spirit' and 'Windcat 3', and a wide berth is requested around these vessels at all times while on site but all mariners, especially fishermen, are requested to keep a wide berth from any Turbine where it can be observed that these vessels are working.

It is possible that additional vessels will join during the winter months but this will be confirmed at a later date. A listening watch will be kept on VHF Channels 16 & 12 and any of these vessels can be contacted for information relating to vessel Movement only.

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

For further information, please contact: Tom Watson, Tel: 01253 875565, Mob: 07903 173 624
Walney Offshore Wind Farm – Potential Seabed Hazard – Recovered Exposed Drill Pipe

The exposed pipe stands approximately 27.5 meters above the seabed leaving approximately 6 meters clearance between the surface at the lowest astronomical tide and the top of the pipe.

The Dive/Salvage Vessel ‘Ocean Dragon’ has recovered the Exposed Drill Pipe that had been left in the seabed in the area of the proposed Walney extension and accompanied by the Anchor Handling vessel ‘MRV Vital’ has left the area.

The Guard vessel ‘Benaiah’ has also been stood down.

The DP vessel ‘Gargano’ is currently in Douglas I.O.M. for weather but will return to site and continue the Geotechnical Ground Investigation once weather and conditions improve, survey operations are expected to continue in to March.

You are requested to keep well clear of this vessel while it is on site, minimum 500 meters, as during sampling and investigation she will be required to remain stationary while drilling for long periods and will then move to new position within the site without prior notification.

‘M V GARGANO’ will keep a listening watch on VHF Channels 16 &12 and can be contacted by VHF for information relating to vessel movements only.

This Geotechnical Ground Investigation consists of a combination of Deep Boreholes with Cone Penetration Testing (CPT’s) at selected positions as well as shallow Vibracore and adjacent CPT’s.

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

West Islay Tidal Energy – Seabed Frame Deployment

Deployment of a sea bed frame with velocity profiling and pressure sensor equipment.

The equipment will remain in situ for a maximum of three months, with the potential for early recovery if it is deemed that a satisfactory range of wave conditions have been observed. A marker buoy will not be used for this survey.

The Deployment location is

55°39.275’N  |  006°35.603’W

For further information, please contact: David Fitzgerald Tel: +353 (0)22 23955  email: david.fitzgerald@dpenergy.com
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.

You are requested to keep well clear of Excalibur whenever this vessel can be observed to be afloat and under tow and being manoeuvred into position and it should be noted that during sampling and investigation MV Gargano will be required to remain stationary while drilling for long periods and wide berths is requested, minimum 500 meters, around both of these vessels at all times. Both vessels will move to new position within the site without prior notification.

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:

| 54°05.300'N | 003°39.220'W |
| 54°05.180'N | 003°39.190'W |

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.

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, Mobile: 07903 173624