19 October 2017  |  Issue 21

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Shaded blocks indicate activity.
Support

The Kingfisher Bulletin is provided by the Kingfisher Information Service of Seafish, to promote the awareness of offshore hazards to fishing, new structures and zones and conflicting offshore operations. Support for the production of renewable industry information is received from The Crown Estate.

Information

Information contained within the Kingfisher Bulletin comes from a variety of sources, although is in the majority, supplied directly to Kingfisher from the offshore operating industry, or government licensing authorities.

Coordinates within the Kingfisher Bulletin are converted into World Geodetic System 1984 (WGS84) and displayed as degrees, minutes and decimal minutes, to three decimal places (ddd°mm.mmm'). Route or boundary coordinates may be simplified for ease of use.

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## New Hazards

### Area 1

<table>
<thead>
<tr>
<th>Hazard Type</th>
<th>Position</th>
<th>Issue Date</th>
<th>Contact Details</th>
<th>Map</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crane hook, approximate size: 5ft X 3.5ft and 1.3 tonnes</td>
<td>58°28.199’N 000°25.988’W</td>
<td>05 Oct 2017</td>
<td><a href="mailto:r.hall@sff.co.uk">r.hall@sff.co.uk</a></td>
<td><img src="https://twitter.com" alt="twitter" /></td>
</tr>
<tr>
<td>Pipeline Span Length 21m Height 2m</td>
<td>60°54.521’N 001°37.699’E</td>
<td>24 Aug 2017</td>
<td><a href="mailto:jonathan.hoare@cnrl.com">jonathan.hoare@cnrl.com</a></td>
<td><img src="https://twitter.com" alt="twitter" /></td>
</tr>
<tr>
<td>Obstruction from Well 9/27-4</td>
<td>59°00.306’N 001°17.721’E</td>
<td>11 July 2017</td>
<td><a href="mailto:rawe@staoil.com">rawe@staoil.com</a></td>
<td><img src="https://twitter.com" alt="twitter" /></td>
</tr>
<tr>
<td>AXS Bundle Span – Alba Field 10m span length and 0.8m span depth</td>
<td>58°02.592’N 001°05.106’E to 58°02.607’N 001°05.088’E</td>
<td>29 June 2017</td>
<td><a href="mailto:pat.dasgupta@chevron.com">pat.dasgupta@chevron.com</a></td>
<td><img src="https://twitter.com" alt="twitter" /></td>
</tr>
</tbody>
</table>

### Area 2

<table>
<thead>
<tr>
<th>Hazard Type</th>
<th>Position</th>
<th>Issue Date</th>
<th>Contact Details</th>
<th>Map</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clump weight ballast. Approx 100Kg 70cm in diameter and 25cm tall.</td>
<td>57°04.674’N 002°04.542’E</td>
<td>11 Oct 2017</td>
<td><a href="mailto:nick.strachan@uk.bp.com">nick.strachan@uk.bp.com</a></td>
<td><img src="https://twitter.com" alt="twitter" /></td>
</tr>
</tbody>
</table>

### Area 3

<table>
<thead>
<tr>
<th>Hazard Type</th>
<th>Position</th>
<th>Issue Date</th>
<th>Contact Details</th>
<th>Map</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wreck of MV Ella</td>
<td>52°25.230’N 001°49.670’E</td>
<td>11 July 2017</td>
<td><a href="mailto:lee.cornwell@innogy.com">lee.cornwell@innogy.com</a></td>
<td><img src="https://twitter.com" alt="twitter" /></td>
</tr>
</tbody>
</table>

### Area 5

<table>
<thead>
<tr>
<th>Hazard Type</th>
<th>Position</th>
<th>Issue Date</th>
<th>Contact Details</th>
<th>Map</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 x pipeline spans 2 metres high and 16 metres and 12 metres long</td>
<td>54°59.484’N 005°13.235’W</td>
<td>25 July 2017</td>
<td><a href="mailto:kingfisher@seafish.co.uk">kingfisher@seafish.co.uk</a></td>
<td><img src="https://twitter.com" alt="twitter" /></td>
</tr>
<tr>
<td>Potential Seabed Obstruction</td>
<td>51°42.600’N 008°11.214’W to 51°41.778’N 008°11.941’W</td>
<td>30 June 2017</td>
<td><a href="mailto:navwarnings@btconnect.com">navwarnings@btconnect.com</a></td>
<td><img src="https://twitter.com" alt="twitter" /></td>
</tr>
</tbody>
</table>

The Hazard List is a collection of potential fishing hazards supplied to Kingfisher from across all offshore industries. Potential hazards will be listed for 6 months.
Notice to Fishermen

Aberdeen OWF – Application for Safety Zone

NOTICE OF APPLICATION FOR SAFETY ZONE SCHEME DURING CONSTRUCTION AND MAJOR MAINTENANCE OF THE EUROPEAN OFFSHORE WIND DEPLOYMENT CENTRE

THE ELECTRICITY (OFFSHORE GENERATING STATIONS) (SAFETY ZONES) (APPLICATION PROCEDURES AND CONTROL OF ACCESS) REGULATIONS 2007 - STATUTORY INSTRUMENT 2007 NO 1948

Notice is hereby given that Aberdeen Offshore Wind Farm Limited (Company No SC278869) (registered offices at 3rd Floor, The Tun Building, 4 Jackson’s Entry, Holyrood Road, Edinburgh, Scotland, EH8 8PJ) has applied for consent from Marine Scotland as set out in the Energy Act 2004 and the Electricity (Offshore Generating Stations) (Safety Zones) (Application Procedures and Control of Access) Regulations 2007 (SI No 2007/1948) for safety zones as follows, for the previously consented Offshore Renewable Energy Installation known as the European Offshore Wind Deployment Centre, during construction and major maintenance phases.

The following safety zones are being applied for:

During the construction phase a programme of 500 metre (m) ‘rolling’ safety zones around the location of each wind turbine and/or its substructures and foundations during certain construction activities (as identified by a risk assessment).

Pre-commissioning 50 m safety zones surrounding each wind turbine and/or its substructures and foundations whilst work is not ongoing.

During the operational phase, a 500 m safety zone around all ‘major maintenance’ being undertaken on any wind turbine and/or its substructures (as identified by risk assessment). Major maintenance is defined as any activity involving large vessels (such as jack-up barges or heavy lift vessels). No safety zones are planned during normal operations of the wind farm.

The precise start date and co-ordinates of the safety zones will be detailed in the Notice to Mariners prior to their implementation.

The safety zone scheme will be available for download from Marine Scotland at http://www.gov.scot/Topics/marine/Licensing/marine/scoping/EOWDC. Alternatively, a request to receive a hard copy may be made in writing to Aberdeen Offshore Wind Farm Ltd at their registered address, given above. Any person wishing to make representations to the Secretary of State about the application should do so in writing to the Scottish Ministers, c/o Marine Scotland - Licensing Operations Team, Marine Laboratory, PO Box 101, Victoria Road, Aberdeen, AB11 9DB (EOWDC.SZA.Representations@gov.scot), stating the name of the proposal and nature of their representations, not later than 28 days from the date, or latest date of this notice.

Fair Processing Notice

The Marine Scotland Licensing Operations Team process applications for safety zones around offshore renewable energy installations under the Energy Act 2004. During the consultation process letters of representation can be sent to the Scottish Ministers in support of or objecting to these applications. Should the Scottish Ministers call a Public Local Inquiry (PLI), copies of these representations will be sent to the Directorate of Planning and Environmental Appeals for the Reporter to consider during the inquiry. These representations will be posted on their website with address (home and email), signature and home telephone number redacted (blacked out). Copies of representations will also be issued to the developer on request, again with address (home and email), signature and home telephone number redacted. You can choose to mark your representation as confidential, in which case it will only be considered by the Scottish Ministers and will not be shared with the Planning Authority, the developer, the Reporter (should a PLI be called) or any other third party.

For further information: http://www.scotland.gov.uk/Topics/marine/Licensing/marine or contact the Marine Scotland Licensing Operations Team at: ms.marinelicensing@scotland.gsi.gov.uk or in writing to The Scottish Government, Marine Scotland Licensing Operations Team, Marine Laboratory, 375 Victoria Road, Aberdeen, AB11 9DB.

Seabed Activity

Hywind – Subsea Rock Installation

Trenching rectification on the export cable. To install rock at the section where trenching result shows insufficient depth.

Pre installation survey to determine the as found situation, rock installation with 22-90mm rock and post installation survey. Survey will be done with the fallpipe ROV.

This work is now due to start late 14th/early 15th October and will continue for approx. 3 days. Vessel: Fallpipe Vessel Stormes

1. 57°29.056'N 001°19.937'W
2. 57°29.445'N 001°21.120'W
3. 57°29.834'N 001°22.305'W
4. 57°28.699'N 001°21.154'W
5. 57°28.088'N 001°22.338'W

For further information: Ove Vold, Statoil ASA, Tel: +47 41516519 email: ovvo@statoil.com
Seabed Activity
Beatrice Offshore Windfarm Limited – Foundation Piling Operations

In preparation for the installation of wind turbine foundations in the Beatrice Offshore Windfarm construction site, piles will be installed in the seabed on each of the foundation locations outlined in Table 1 below.

On behalf of BOWL, Seaway Heavy Lifting will deploy various vessels to carry out the aforementioned work during the period 01/04/2017 – 31/10/2017 within the boundary of the BOWL construction site.

This is an ongoing task with piling and jacket installation complete at some.

For further information: John Bray – BOWL Lead Marine Coordinator, Tel: 0330 2020329, mc.bowl@sse.com

Seabed Activity
Bluemull Sound (Shetland) – Subsea Tidal Array

The purpose of the operation is to conduct operations on a subsea tidal energy array in the Bluemull Sound, Shetland.

Multicat vessel the Leask Marine MV C-Odyssey (pictured below, call sign 2ETW7) will conduct offshore and subsea operations. Works will include loading and pre-commissioning work at Cullivoe Pier. The work will be conducted from August 2017 to November 2017; operations could take place during day or night. Operations will be conducted within a 200m radius of the array location and up to 30m either side of the cable corridor route; cable waypoints are listed below.

Array location: 60°41.906′N 00°59.016′W

1. 60°41.878′N 00°59.917′W
2. 60°41.813′N 00°59.862′W
3. 60°41.812′N 00°59.910′W
4. 60°41.815′N 00°59.437′W
5. 60°41.818′N 00°59.400′W
6. 60°41.823′N 00°59.217′W
7. 60°41.869′N 00°59.303′W
8. 60°41.860′N 00°59.300′W
9. 60°41.875′N 00°59.437′W
10. 60°41.837′N 00°59.371′W

For further information: Tom Wills, Nova Innovation, Tel: 0131 241 2000 email: info@novainnovation.com
Mariners are advised that, further to notice UoA07/2017 and in conjunction with Beatrice Offshore Windfarm Limited (BOWL), the University of Aberdeen intends to install scientific equipment moorings in the Moray Firth at the locations listed in table 1, below.

The moorings support sound recording equipment, and acoustic loggers that record echolocation clicks of dolphins and porpoises (see images of devices at the foot of this notice). All the above moorings are subsurface, consisting of a 50kg weight and a terminated rope riser. The above moorings do not extend more than three metres vertically from the seabed.

Mariners should also note that the following existing moorings (table 2) will remain in place in the Moray Firth, as per our Notice to Mariners.
Aberdeen OWF – Scour Protection Installation

The area of operations is the construction site for European Offshore Wind Deployment Centre in Aberdeen Bay. The eleven (11) turbines positions will all have scour protection installed in the form of rock dumping before the foundations are installed.

The vessel Rockpiper has been selected to carry out this task. All mariners are asked to give Rockpiper 5BML3 500 meters space due to restricted manoeuvrability while carrying out these activities.

Date of Operations Saturday 28th October 2017 for approx. 3 weeks

For further information: Jonathan Keer, Brown & May Tel: 01379 870181 email: jonathan@brownmay.com

Beatrice Offshore Windfarm Limited – Export Cable Trenching

The installation of two export cables (EC) in the Beatrice Offshore Windfarm construction site will continue with the jetting/trenching of the installed section of EC1.1 from around 2km North of the beach at Portgordon. In this respect the work listed here is due to be carried out as described below starting around 6th October.

To assist with accurate positioning of the trenching equipment for the nearshore trenching works, a seabed positioning system will be deployed in a position 57° 42.257'N 003° 01.908'W

The equipment will not be marked with a surface buoy. It will remain in this position until after the second part of the cable, EC1.2 has be laid and buried, including the rock placement phase, which is likely to be in November or December 2017.

For further information: John Bray, BOWL, Tel: +44(0)7931 991577 email: john.bray@sse.com

Ore Catapult Met Mast, Offshore Blyth – Met Mast Deployment

EOLOS is to deploy a Metocean Buoy in the vicinity of the Offshore Renewable Energy Catapult Met Mast, offshore Blyth, for a period of one month.

The target deployment location is within the ORE Catapult Met Mast consent area which has a radius of 250m centred on the Mast. Deployment is estimated to be carried out over one day from 15th October 2017, weather permitting. All equipment (including ground weight) will be removed at the end of the study.

The EOLOS Metocean Buoy records meteorological data and is anchored to the seabed by means of a mooring chain and a groundweight. The buoy has dimensions of 4m x 4m, and when deployed the tallest mast on the buoy sits approx. 4m above the water line

For further information: Kevin Ransom, Parttrac, Tel: 07810 055685 email: kransom@parttrac.com
Seabed Activity

Blyth Offshore Demonstrator Project – Seabed Preparation Works

Please be advised of the following activities proposed to be undertaken at the Blyth Offshore Demonstrator (BOD) Project.

Turbine Placement Location:

<table>
<thead>
<tr>
<th>Turbine</th>
<th>Coordinates</th>
<th>Turbine</th>
<th>Coordinates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Turbine b</td>
<td>55°08.870'N 01°24.791'W</td>
<td>Turbine 9</td>
<td>56°07.341'N 01°23.771'W</td>
</tr>
<tr>
<td>Turbine 7</td>
<td>55°08.379'N 01°24.378'W</td>
<td>Turbine 10</td>
<td>55°06.797'N 01°23.507'W</td>
</tr>
<tr>
<td>Turbine 8</td>
<td>55°07.880'N 01°24.034'W</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Gravity Based Foundation Post-installation Works & Commissioning

Please be advised that GBF post-installation works will be continuing on the BOD Project Array 2 site. All five GBFs are now installed and ballasted but regular vessel trips are still ongoing for the immediate period in order to undertake small-scale works. Regular trips will also be made to the foundations and wind turbine generators for project commissioning. The vessels request a 500m safety zone and can be contacted on VHF 16 when on location.

Transit Routes

Transit routes for vessels operations from Port of Blyth. Vessels will use the shortest navigable route from the port to the site, making best efforts to avoid any conflicts with inshore fishing activity. Vessel Details: MPI Rucio (2CVW7) and Ginny Louise (2FCV4)

Cable Burial

The export cable from the shore end near Cambois to GBF Location 6 has been buried. The inter-array cable from GBF Location 6 through to GBF Location 10 has also recently been buried (depth of burial is currently being assessed across the inter-array cable).

Fishing activities in the export cable area can be safely recommenced however it is requested that a 500m safety zone is maintained from Location 6 and that all vessels maintain the recommended 500m safety zone from project vessels. For safety reasons we request that fishing activities remain excluded within the turbine / inter-array area as construction works continue. The MCS Kaver (crew transfer vessel) will be making regular trips from the Port of Blyth to the Array 2 site to undertake works on the inter-array cable and can be contacted on VHF 16 when on location.

Transiting through the turbine / inter-array area should be undertaken with caution, maintaining the safety zone distance from the GBFs and any project vessels. Vessel Details: MCS Kaver (2GMB8)

Wind Turbine Generator (WTG) Installation

The major components for all five WTGs have been installed and regular vessel trips are being undertaken to the WTGs to complete the installation process. The Wind Transfer (2EAL9) and Assister (OUTZ2) crew transfer vessels will operate from the Port of Blyth and utilise similar transit routes

A 500m safety zone around the vessels is requested at all times and they can be contacted on VHF 16 when on location.

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

Survey Activity

Aberdeen Offshore Wind Farm – UXO Investigation and Removal

Please be advised of the following activities proposed to be undertaken at the Aberdeen Offshore Wind Farm Site.

Please note - All mariners are requested to maintain a minimum 500m safety zone around each Vessels location. The vessels are currently conducting ROV works to Investigate a number of contacts in the construction site and export cable routes and deployment of Cardinal Buoys

Cardinal Buoys deployed at the site week commencing 25th September 2017 by the vessel Green Isle, dependant on weather.

<table>
<thead>
<tr>
<th>Company, Vessel &amp; Call Sign</th>
<th>Survey Area Buoys</th>
<th>Survey Area Buoys</th>
<th>Start Timeframe &amp; Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vattenfall Smit Kamara ORLB</td>
<td>North - 57°14.763'N 001°58.459'W East - 57°13.799'N 001°57.888'W</td>
<td>South - 57°12.266'N 002°00.149'W West - 57°13.825'N 002°01.195'W</td>
<td>September 2017</td>
</tr>
<tr>
<td>Zwerver 3 PCLQ Seiont MWHL</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

For further information: aowf.marinecoordination@vattenfall.com
Fishing Hazard – Gunfleet Sands WF Export Cable (Exposure Update)

Further to previous notices, which notified mariners of the presence of discrete areas of exposed High Voltage cable above the seabed, the most recent bathymetric survey of the entire export cable area have been undertaken (July 2017) and the status of these exposures has been updated.

<table>
<thead>
<tr>
<th>No</th>
<th>Position</th>
<th>Distance offshore</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>51°48.264'N 001°12.796'E</td>
<td>0.4km</td>
<td>Approx. 3.5m of cable remains exposed. However, proximity to shore means that risk to mariners is judged to be very low.</td>
</tr>
<tr>
<td>2</td>
<td>51°44.702'N 001°13.534'E</td>
<td>7.2km</td>
<td>No cable exposure in this area.</td>
</tr>
<tr>
<td>3</td>
<td>51°43.806'N 001°14.285'E</td>
<td>9.1km</td>
<td>No cable exposure in this area – The scour hole at the substation remains a similar diameter as shown from previous surveys. However rock placement has raised the base of the hole from 14.5m LAT to approximately 12.3m LAT, and also increased levels on the slopes of the hole by approximately 2m.</td>
</tr>
</tbody>
</table>

Even though no cable exposure in Area 2 has been recorded by the most recent (2017) survey, mariners are still requested to take care around this location. The dynamic nature of the seabed here may result in ongoing re-exposure of parts of the cable. Ongoing surveys will be undertaken and further NtM’s issued as/when additional information emerges re: any cable exposures.

For further information: Jonny Lewis, Adviser to TC Gunfleet OFTO Ltd, E: jonny.lewis@marinespace.co.uk, M: 07817 644284

Hornsea Project One OWF – Application for Safety Zone

NOTICE OF APPLICATION FOR SAFETY ZONE SCHEME DURING CONSTRUCTION AND MAJOR MAINTENANCE OF THE HORNSEA PROJECT ONE OFFSHORE WIND FARM
THE ELECTRICITY (OFFSHORE GENERATING STATIONS) (SAFETY ZONES) (APPLICATION PROCEDURES AND CONTROL OF ACCESS) REGULATIONS 2007 – STATUTORY INSTRUMENT 2007 NO 1948

Notice is hereby given that DONG ENERGY WIND POWER A/S (a company registered in Denmark (company number CVR 31849292, with its registered office at Kraftværksvej 53 Skærbæk 7000 Fredericia, Denmark) have applied for consent from the Secretary of State for Business, Energy, and Industrial Strategy (BEIS) as set out in the Energy Act 2004 and the Electricity (Offshore Generating Stations) (Safety Zones) (Application Procedures and Control of Access) Regulations 2007 (SI No 2007/1948) for safety zones as detailed below, for the consented Hornsea Project One Offshore Wind Farm, during construction and periods of major maintenance.

The following safety zones will be applied for:

- 500 metre (m) “rolling” safety zones around any wind turbine or offshore substation (including any associated or partially constructed infrastructure, e.g., foundations) whilst work is underway at that structure, as indicated by the presence of construction vessels.
- 500m safety zones around permanently manned jacked up accommodation platforms within the consent boundary during the construction phase.
- 50m pre-commissioning zones around any completed wind turbine or offshore substation prior to final commissioning.
- 500m safety zones around any wind turbine or offshore substation where major maintenance is being undertaken during the operational phase (as indicated by the presence of a large vessel, e.g., heavy lift vessel, jack up vessel).

The precise start date and co-ordinates of the safety zones will be detailed in the Notice to Mariners prior to the commencement of any construction and major maintenance operations. Copies of the safety zone scheme may be obtained by contacting BRYBR@dongenergy.co.uk, +45999515470.

Any person wishing to make representations to the Secretary of State about the application should do so in writing to the Secretary of State, c/o Rob Pridham, Energy Infrastructure Planning Team, Department for Business, Energy and Industrial Strategy, Orchard 2, Level 3, 1 Victoria Street, London SW1A 0ET, beiseip@beis.gov.uk, stating the name of the proposal and nature of their representations, not later than 28 days from the date of latest date of publication of the notice.

For further information: BRYBR@dongenergy.co.uk, +45999515470.
**Seabed Activity**

**London Array Wind Farm – Activity**

**Vessels**
- Crew transfer vessels: SC Amethyst, SC Falcon, TMS Bittern, Windcat 18, Windcat 21, Windcat 29, and Windcat 39 (Windcat 4) will take offshore technicians to the Wind Turbine Generators and Offshore Substations for routine operations and maintenance works.
- Crew transfer / survey vessel Spectrum 1 will be undertaking survey operations within the windfarm and along the export cables.
- Crew transfer vessel SC Amber will remain on standby and take offshore technicians to the Wind Turbine Generators and Offshore Substations for routine operations and maintenance works as required.
- Windcat 4 is expected to arrive Monday to cover Windcat 39 routine maintenance in Lowestoft.

**Installations & cables**
All 175 wind turbines and two sub-station structures are as built. All Array cables have been installed and the cables have been buried.

**Buoys**
The Long Sand Middle wave rider buoy is on station and is covered by two guard buoys as listed

<table>
<thead>
<tr>
<th>Identity</th>
<th>Coordinates</th>
<th>Light</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Long Sand (Middle)</td>
<td>51°40.826’N 01°31.229’E</td>
<td>Fl (5) Y 20s 2nm</td>
<td>Yellow spherical buoy, transparent top dome with solar panels and flashing light.</td>
</tr>
</tbody>
</table>

Please be aware that the North Guard Buoy for the Long Sand Middle Wave Buoy has temporarily been removed.

<table>
<thead>
<tr>
<th>Identity</th>
<th>Coordinates</th>
<th>Light</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Guard Buoy (North)</td>
<td>51°40.884’N 01°31.226’E</td>
<td>Fl (5) Y 20s 2nm</td>
<td>Yellow sphere with flashing light and radar reflector.</td>
</tr>
<tr>
<td>Guard Buoy (South)</td>
<td>51°40.775’N 01°31.230’E</td>
<td>Fl (5) Y 20s 2nm</td>
<td>Yellow sphere with flashing light and radar reflector.</td>
</tr>
</tbody>
</table>

Temporarily removed for Maintenance, but the Guard Buoys will remain on station

<table>
<thead>
<tr>
<th>Identity</th>
<th>Coordinates</th>
<th>Light</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Knock Deep (North)</td>
<td>51°37.064’N 01°30.363’E</td>
<td>Fl (5) Y 20s 2nm</td>
<td>Protected by 2 guard buoys stationed approximately 50 - 100 meters to the North and South.</td>
</tr>
</tbody>
</table>

**Foulgers Gat Safe passage marker buoys**

<table>
<thead>
<tr>
<th>Identity</th>
<th>Coordinates</th>
<th>Light</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Long Sand Inner</td>
<td>51°38.770’N 01°25.430’E</td>
<td>Iso. 2 sec</td>
<td>Characteristics (all buoys) Spherical with Red and White vertical stripes.</td>
</tr>
<tr>
<td>Long Sand Outer</td>
<td>51°34.610’N 01°28.330’E</td>
<td>Iso. 2 sec</td>
<td>Characteristics (all buoys) Spherical with Red and White vertical stripes.</td>
</tr>
<tr>
<td>Long Sand Middle</td>
<td>51°35.600’N 01°26.450’E</td>
<td>Iso. 5 sec</td>
<td>Characteristics (all buoys) Spherical with Red and White vertical stripes.</td>
</tr>
</tbody>
</table>

**Seabed Activity**

**Galloper Wind Farm – Fishing Hazard & Exposed Cable**

Please be advised a short length of the Galloper export cable is currently lying unburied on the seabed just offshore from Sizewell Beach.

For reference, the cable could be envisaged to be bound by a box with the corners at the following coordinates,-

- 52°12.372’N 001°37.394’E
- 52°12.359’N 001°37.392’E
- 52°12.392’N 001°37.543’E
- 52°12.369’N 001°37.550’E

**Fishing Hazard**
Please be advised that a concrete mattress has been dropped within the windfarm. The mattress is 6 metres x 3 metres and 0.15 metres high. It weighs 4.5 tonnes. Position: 51°57.077’N 002°01.141’E

For further information: Duty Marine Coordinator, Tel: +44 1843 855 795, email: marinecoordinators@londonarray.com

For further information: Lee Cornwell, Galloper Wind Farm Limited, Mob: +44 (0)7917 474352, Email: lee.cornwell@rwe.com
**Seabed Activity**

**Dudgeon Offshore Wind Farm – Construction Works**

All installation work and commissioning of turbines completed. Minor modification work will be ongoing on the Substation platform in the middle of the windfarm towards end of October.

**Service Operation Vessel**

The ESVAGT NJORD is performing support for the operation of the wind farm and will be in regular transit between the Dudgeon site and Great Yarmouth.

**Wind Turbine Generator Installation**

Completed.

**Accommodation Vessel**

The VESTLAND CYGNUS will be on location until end October 2017 as accommodation vessel for modification works on the Substation and punch clearance on turbines.

**MARINERS ARE HEREBY INFORMED:** that a statutory construction Safety Zone (exclusion zone) is in place at the wind farm site. This safety zone is defined by:

- A 500 metres radius around each wind turbine, offshore sub-station and their foundations whilst work is being performed as indicated by the presence of construction vessels; and
- A 50 metres radius around each wind turbine, the offshore sub-station platform and associated foundation structures installed, complete or incomplete but waiting to be commissioned as part of the Dudgeon offshore wind farm where personnel are present on, or are being landed on or being taken from the structures.

The Dudgeon Wind Farm area is presently closed to fishing, but will be open for fishing activity from 15th October 2017.

**For further information:**

Stig J. Andersen, Statoil ASA  Tel: +47 95243448  email: stja@statoil.com

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**Seabed Activity**

**East Anglia THREE – Removal of Floating LIDAR for Maintenance**

East Anglia THREE Offshore Windfarm are planning on recovering the Floating LIDAR buoy in position 52°41.05’N 2°52.83’E.

The buoy will be replaced with another buoy marked with a Gp Fl (5)Y 20s light. The Floating LIDAR is planned to be recovered on the 23rd October 2017 and confirmation of will be issued when it is replaced.

**For further information:**

Graham Farrant, Scottish Power, Tel: 0141614290 or 07834 603291  email: gfarrant@scottishpower.com
Rampion are requesting that no fishing operations take place in the Wind Farm

All inter array cables (IAC’s) have now been installed and buried.

There are some sections of the installed IAC’s (highlighted yellow on the attached chart) that are currently either shallow buried or exposed on the seabed. The shallow buried/exposed sections of cable could represent a significant hazard to fishing vessels and their gear (if fishing gear is deployed over them) and any vessels anchoring over them. Cable hazards will remain until completion of cable protection works planned for Q4 2017 and Q1 2018.

**Actions**

The survey vessel Bibby Athena (2ICA5) will be undertaking the above surveys as from the 02/10/2017 and operations are due to last approximately 3 weeks. The vessel will be operating within the main wind farm array and the export cable corridor between KP1.1 and the OSP.

The Survey vessel will be restricted in manoeuvrability during operations. All vessels are requested to remain a minimum safe distance of 500m from the vessel at all times. All mariners should be aware that High Speed project vessels (crew transfer vessels) are operating between the ports of Brighton, Shoreham, predominantly Newhaven and the wind farm.

**Revised Export Cable shallow buried exposed sections of cable**

Due to either seabed conditions, or to enable jointing/protection works planned for later in 2017, some sections of the export cables have been either shallow buried or laid exposed on the seabed. Rock bags have been placed above some parts of these exposed/shallow buried cable sections to stabilise them until all construction works are complete. The shallow buried/exposed sections of cable and rock bags represent a significant hazard to fishing vessels and their gear (if fishing gear is deployed over them) and any vessels anchoring over them. All commercial/recreational fishing vessels deploying any form of demersal fishing gears (trawls/shellfish dredgers etc.) or fixed fishing gears (pots, traps, nets etc) should ensure that:

- The Wind Farms requests, all such Gears DO NOT come within 500m of the exposed/shallow buried cables (as indicated above)
- The Wind Farms requests, mobile or towed demersal fishing gears (trawls, shellfish dredgers etc) gears DO NOT come within the vicinity of the cables in locations outside of these defined hazard areas.
- Furthermore, interaction between fishing gear (OR anchors) and the export cables could also cause damage to the export cables themselves. All mariners are requested NOT to anchor within 100m of the export cables and to make themselves aware of their obligations for conducting activities over buried cable.

The current lattice structure has failed and will be replaced in due course.

<table>
<thead>
<tr>
<th>Hazard Area 1</th>
<th>Hazard Area 2</th>
<th>Hazard Area 3</th>
<th>Hazard Area 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>50°48.316’N 00°20.330’W</td>
<td>50°44.365’N 00°18.466’W</td>
<td>50°43.711’N 00°18.308’W</td>
<td>50°42.179’N 00°15.625’W</td>
</tr>
<tr>
<td>50°48.958’N 00°19.850’W</td>
<td>50°44.271’N 00°18.250’W</td>
<td>50°42.872’N 00°17.117’W</td>
<td>50°41.626’N 00°14.629’W</td>
</tr>
<tr>
<td>50°48.450’N 00°19.394’W</td>
<td>50°44.186’N 00°19.081’W</td>
<td>50°42.482’N 00°17.077’W</td>
<td>50°41.129’N 00°15.441’W</td>
</tr>
<tr>
<td>50°47.377’N 00°18.820’W</td>
<td>50°44.892’N 00°19.331’W</td>
<td>50°43.179’N 00°18.319’W</td>
<td>50°41.686’N 00°16.422’W</td>
</tr>
<tr>
<td>50°47.425’N 00°18.545’W</td>
<td>50°43.432’N 00°18.985’W</td>
<td>50°47.213’N 00°19.327’W</td>
<td>50°46.475’N 00°20.286’W</td>
</tr>
</tbody>
</table>

- Special Yellow marker buoys with 2-3nm yellow light which flashes 1 sec every 5 seconds.
- For further information: Gordon Bain (Eon Marine Coordination) +44(0)7787241442 email leadmc@rampionoffshore.com
**Seabed Activity**

**Race Bank Offshore Wind Farm – Entire Fishing Clearance Zone Closed**

The Fishing Clearance Zone shown in the below chart remains closed to all forms of fishing, and is expected to remain closed until Q4 2017 / Q1 2018. The deployment of any fishing gear, or fishing anywhere within, the Fishing Clearance Zone remains strictly prohibited.

Fishing vessels are able to transit through the Fishing Clearance Zone. However, all fishing vessels must maintain a safe distance from, and not disrupt, any vessel engaged in, or supporting, Race Bank construction operations.

**CONSTRUCTION ACTIVITIES CONTINUE AT THE RACE BANK OFFSHORE WIND FARM AND ALONG THE EXPORT CABLE ROUTE**

All wind turbine foundations and both offshore substations have been installed. All array cables have been laid on the seabed and burial works are due to resume imminently and will continue for the coming months. Cable burial and installation works remains ongoing along the export cable route. The full length of the southernmost export cable has been installed, and the section of the northernmost export cable that crosses the intertidal area has been installed. Work to lay and bury the remaining section of the northernmost export cable is underway.

Seabed levelling operations are required along sections of the northernmost export cable route. Export cable jointing pits need to be created at two locations along the northernmost export cable. Proposed disposal and temporary stockpile sites for the seabed sediment generated as a result of the seabed levelling and joint-pit works respectively.

In order to comply with a Marine Licence issued by the MMO on 09/06/2017, the spatial extent of Temporary Storage Area KP27 must extend across an area that is part-located outwith the Fishing Clearance Zone. Placement of sediment within Temporary Storage Area KP27 will not commence before 16/06/2017, and the subsequent recovery of sediment is scheduled to be complete by the end of July 2017. DONG Energy requests that this area (bounded by the below coordinates) is kept free of static fishing gear during this period.

53° 0.192' N  0° 25.151' E
53° 0.119' N  0° 25.021' E
53° 0.167' N  0° 25.183' E
53° 0.083' N  0° 25.038' E

The portion of Temporary Storage Area KP27 that is located outwith the Fishing Clearance Zone has a spatial extent of approximately 100 m x 200 m.

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

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**Deployment of Buoys**

**Thanet Offshore Wind Farm – Met Ocean Measurement Campaign**

All Mariners are to be advised that a Metocean Measurement Campaign, primarily measuring waves and currents, is being conducted at two locations along the northernmost export cable. Proposed disposal and temporary stockpile sites for the seabed sediment generated as a result of the seabed levelling and joint-pit works respectively.

<table>
<thead>
<tr>
<th>Location</th>
<th>Equipment</th>
<th>Coordinates</th>
<th>Depth</th>
</tr>
</thead>
<tbody>
<tr>
<td>A2b</td>
<td>AWAC</td>
<td>51°27.942'N 01°38.873'E</td>
<td>-22m</td>
</tr>
<tr>
<td>A2b</td>
<td>Wavebuoy</td>
<td>51°27.950'N 01°38.782'E</td>
<td>-22m</td>
</tr>
<tr>
<td>A2b</td>
<td>Guardbuoy</td>
<td>51°28.008'N 01°38.951'E</td>
<td>-22m</td>
</tr>
<tr>
<td>A3b</td>
<td>AWAC</td>
<td>51°23.781'N 01°38.649'E</td>
<td>-17m</td>
</tr>
<tr>
<td>A3b</td>
<td>Guardbuoy</td>
<td>51°23.814'N 01°38.746'E</td>
<td>-17m</td>
</tr>
</tbody>
</table>

For further information: Jennifer Munns (Marine Supervisor) Tel: 01843 572 136  email: Jennifer.munns@vattenfall.com

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Seabed Activity

Hornsea Project Three – Deployment of 2 x Floating LiDAR Buoys

Mariners are advised that Hornsea Project Three are planning the deployment of 2 x SeaWatch LiDAR Buoys (SWLB); both are sea state measurement instrumentation (collectively referred to as 'the equipment'). The deployment locations are within the UK Sector of the North Sea off the coast of East Yorkshire.

The SWLB’s and Wave Buoy will be deployed within the Project three wind farm array limits and will be deployed for approximately twelve months from September 2017.

<table>
<thead>
<tr>
<th>Name</th>
<th>Coordinates</th>
<th>Depth</th>
</tr>
</thead>
<tbody>
<tr>
<td>SWLB A</td>
<td>53°55.367’N 02°25.520’E</td>
<td>-36</td>
</tr>
<tr>
<td>SWLB B</td>
<td>53°45.254’N 02°40.850’E</td>
<td>-32</td>
</tr>
</tbody>
</table>

For further information: Richard Khaira-Creswell, DONG Energy, Tel: +44 (0) 7920 813603

Survey Activity

Hornsea Offshore Wind Farm – UXO Investigation

Mariners are advised that Hornsea Project One will detonate the last remaining confirmed unexploded ordnance (UXO) from 07th October onwards.

Following this detonation no UXO’s will be left on site and detonation works will be completed.

<table>
<thead>
<tr>
<th>Target ID</th>
<th>Coordinates</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>53°53.056’N 001°39.549’E</td>
</tr>
</tbody>
</table>

All vessels are requested to keep a safe distance of 1500m around location #4 whilst detonation works are being planned. The investigation for potential UXO is now completed.

Vessel: MV Smit Kamara (ORLB)

For further information: Nick Garside, Tel: +44(0)7538 827013 email: nick.garside@live.co.uk

Survey Activity

Hornsea Offshore Wind Farm – Survey

Fugro Humber Guardian 2ENC3

<table>
<thead>
<tr>
<th>Survey Area</th>
<th>Survey Area</th>
<th>Start Timeframe &amp; Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>53°01.036’N 001°05.184’E</td>
<td>52°58.141’N 001°03.439’E</td>
<td>20/10/2017 – 05/11/2017 For 2 Days</td>
</tr>
<tr>
<td>53°00.052’N 001°11.233’E</td>
<td>52°56.870’N 001°09.791’E</td>
<td></td>
</tr>
</tbody>
</table>

For further information: Sam Litchfield, Fugro, Tel: 02392 205509, 07748 988393 email: s.litchfield@fugro.com

Survey Activity

East Anglia Offshore Wind Farm – Survey

Kommandor Stewart MPQ3H

<table>
<thead>
<tr>
<th>Survey Area</th>
<th>Survey Area</th>
<th>Start Timeframe &amp; Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>52°45.176’N 002°45.563’E</td>
<td>52°29.766’N 002°49.981’E</td>
<td>mid August 2017 For 9 Weeks</td>
</tr>
<tr>
<td>52°46.452’N 003°04.291’E</td>
<td>52°31.534’N 002°45.531’E</td>
<td></td>
</tr>
</tbody>
</table>

For further information: Peter Gatt Tel: +44 7880 936272 email: petergatt@btinternet.com
Please note that this area is designated as a construction site and all mariners are requested and advised to mark the positions of these Buoys on their charts/plotters and unless there are matters relating to their own safety or the safety of others they should keep clear and not enter the buoyed area until the Wind Farm has been commissioned with the Buoys removed and you have been informed.

Construction And Installation Progress

Both Offshore Sub-Station Z03 (section WOWO3) and Z04 (section WOWO4) have been installed and the accommodation Jack-up ‘SEA FOX 2’ is jacked-up close to the WOWO3 Offshore Sub-Station (Z03).

Section WOWO3
All of the Mono-piles complete with the Transition Piece are now installed in this section of the Wind Farm.
Wind Turbine Generators : 18 out of 40 are now Installed

Section WOWO4
All of the Mono-piles complete with the Transition Piece are now installed in this section of the Wind Farm.
Wind Turbine Generators now Installed

Installation Vessels On Site
‘SEAJACKS SCYLLA’ for the installation of the Tower Sections and Wind Turbine Generators.

Various support and Anchor Handling Tugs (AHTs) are on site to assist in manoeuvring and installation and at least two CTVs will be operating within the construction area.

A 500 minimum meter Safety Exclusion Distance is requested around all of the construction vessel at all times while on site

Dive Operations At Wowo4 Sub-Station

As soon as weather and conditions become favourable the Dive Support Vessel ‘YORKSHIRE LADY’ will arrive on site to carry out Dive Operations at Sub-Station OSS804 which is in the WOWO4 section of this development.

Cable Lay/Cable Buriel Vessels

The Cable Lay Vessels ‘NDEAVOR’ and ‘STEMAT SPIRIT’ are on site for laying/burying the Infield Cables.

The Cable Lay vessel ‘VOLANTIS’ is on site to carry out the Pull In of the Interlink Cable between the two Sub-Stations WOWO3 (Z03) and WOWO4 (Z04) as well as the Pull In of the WOWO4 EXPORT CABLE into the WOWO4 Sub-Station (Z04)

The advertised Cable Trenching vessel ‘HAVILA PHEONIX’ has been replaced by the Cable Trenching Vessel ‘CS RECORDER’ and this vessel is scheduled to arrive on site shortly.

‘CS RECORDER’ will carry out trenching operations on the Interlink Cable between the two Sub-Stations WOW O3 (Z03) and WOW O4 (Z04) as well the cable splice positions on both Export Cables. Any identified exposed cable along either cable route will also be buried.

Duration of the work, once on site, is expected to be approx. 21 days, depending on weather and conditions

Guard Vessels

There are four Guard Vessels currently engaged: ‘KARIMA’ primary Wind Farm Site, ‘FAIRLINE SURVEYOR’, secondary Wind Farm site/Export Cable and ‘OCTOPUS’ and ‘MARY ANN’ Export Cable.

Buoy

A series of Cardinal and Special Marker Buoys (10 in total) mark the construction area, or site, of the Walney Offshore Wind Farm Extension (WOWO3+4)

All mariners should take note that the WOW 03 & 04 site is deemed a construction area and unless there are matters relating to their own safety or the safety of others they should keep clear and not enter until the Wind Farm has been commissioned with the Buoys removed and you have been informed

<table>
<thead>
<tr>
<th>WOW ID</th>
<th>Type of buoy</th>
<th>Light characteristics</th>
<th>Latitude</th>
<th>Longitude</th>
</tr>
</thead>
<tbody>
<tr>
<td>NM1</td>
<td>North Cardinal</td>
<td>YG</td>
<td>54° 09.719N</td>
<td>003° 40.579 W</td>
</tr>
<tr>
<td>NM2</td>
<td>Special Mark</td>
<td>EL Y 5s</td>
<td>54° 08.800N</td>
<td>003° 45.371 W</td>
</tr>
<tr>
<td>NM3</td>
<td>North Cardinal</td>
<td>Q</td>
<td>54° 07.867W</td>
<td>003° 41.168 W</td>
</tr>
<tr>
<td>NM4</td>
<td>South Cardinal</td>
<td>VG(3) + L EL 10s</td>
<td>54° 00.295N</td>
<td>003° 34.661 W</td>
</tr>
<tr>
<td>NM5</td>
<td>Special Mark</td>
<td>EL Y 5s</td>
<td>54° 08.917N</td>
<td>003° 39.824 W</td>
</tr>
<tr>
<td>NM6</td>
<td>South Cardinal</td>
<td>GB + L EL 15s</td>
<td>54° 01.619N</td>
<td>003° 44.990 W</td>
</tr>
<tr>
<td>NM7</td>
<td>Special Mark</td>
<td>EL Y 5s</td>
<td>54° 05.027N</td>
<td>003° 50.167 W</td>
</tr>
<tr>
<td>NM8</td>
<td>West Cardinal</td>
<td>Q</td>
<td>54° 06.622N</td>
<td>003° 50.335 W</td>
</tr>
<tr>
<td>NM9</td>
<td>West Cardinal</td>
<td>V Q</td>
<td>54° 06.292N</td>
<td>003° 50.369 W</td>
</tr>
<tr>
<td>NM10</td>
<td>Special Mark</td>
<td>EL Y 5s</td>
<td>54° 09.007N</td>
<td>003° 50.477 W</td>
</tr>
</tbody>
</table>

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

**Connel Sound Argyll** – Deploy and test a 250kW Floating tidal energy system (known as PLAT-I) in the Connel Sound Area, Argyll.

This will be a temporary deployment with the central point of the PLAT-I system located at:

56°27.30’N and 005°23.94’W

The high-level schedule for the programme as things currently stand is as per below:

- Oct 25th – Oct 31st install of 4 * rock anchors and mooring system (purpose of this email)
- Install of PLAT-I on or around Nov 9th (subsequently TBC)
- Ongoing incremental testing of system
- Removal of system on or before Dec 16th

For further information: John McGlynn, Sustainable Marine Energy Ltd, Tel: +44 1856 879 214  email: john.mcglynn@sustainablemarine.com

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**Deployment of Buoys**

**West of Duddon Sands Wind Farm – Survey**

The 14.7 meter Catamaran vessel ‘LIA’ is now back on site (15 September 2017) and surveying along the EXPORT CABLE of the WEST of DUDDON SANDS WIND FARM in the Lune Deep area.

‘LIA’ will conduct the Bathymetric Survey at pre-determined Turbine positions, sections of Inter-Array or Infield Cables, the Sub-Station as well as the whole of the Export Cable, including all cable crossing in the area and as long as weather and conditions permit the survey should be completed by the end of next week.

This survey will be using highly sensitive Multi-Beam Echo Sounding Equipment as well as highly sensitive motion sensors and although this survey is not expected to interfere with any other vessel a wide berth, minimum 500 meters, is requested around ‘LIA’ at all times while on site and passing vessels are also requested to reduce speed if possible.

‘LIA’ will work on a 12 hr day (daylight hours only) and will operate from Fleetwood

A listening watch will be kept on VHF Channels 16 & 12 and ‘LIA’ can be contacted for information relating to vessel movement only.

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

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**Survey Activity**

**Gwynt y Mor Offshore Wind Farm – Survey**

<table>
<thead>
<tr>
<th>Company, Vessel &amp; Call Sign</th>
<th>Survey Area</th>
<th>Survey Area</th>
<th>Start Timeframe &amp; Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fugro Valkyrie 2BWA9</td>
<td>53°24.659’N 003°42.027’W</td>
<td>52°24.732’N 003°26.954’W</td>
<td>07/10/17 – 25/10/17 For 7 Days</td>
</tr>
</tbody>
</table>

For further information: Sam Litchfield, Guy Jamieson, Fugro Tel: +44 2392 205500 email: s.litchfield@fugro.com g.jamieson@fugro.com

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### Local Awareness Charts

<table>
<thead>
<tr>
<th>Chart</th>
<th>Area</th>
<th>Location</th>
<th>Turbines</th>
<th>Developer</th>
<th>Completed</th>
<th>Link</th>
</tr>
</thead>
<tbody>
<tr>
<td>Barrow</td>
<td>5</td>
<td>7km Dudgeon Island</td>
<td>30</td>
<td>DONG Energy</td>
<td>1 Jul 2008</td>
<td>Download</td>
</tr>
<tr>
<td>Burbo Bank</td>
<td>5</td>
<td>5.2km Crosby</td>
<td>25</td>
<td>DONG Energy</td>
<td>27 Oct 2007</td>
<td>Download</td>
</tr>
<tr>
<td>Galloper</td>
<td>3</td>
<td>27km off Suffolk Coast</td>
<td>56</td>
<td>Galloper Wind Farm Ltd</td>
<td>-</td>
<td>Download</td>
</tr>
<tr>
<td>Greater Gabbard</td>
<td>3</td>
<td>26km off Orford, Suffolk</td>
<td>140</td>
<td>SSE &amp; RWE Npower Renewables Ltd</td>
<td>7 Sept 2012</td>
<td>Download</td>
</tr>
<tr>
<td>Gwynt y Mor</td>
<td>5</td>
<td>13km off N Wales Cat</td>
<td>160</td>
<td>RWE Innogy / SWM / Siemens</td>
<td>18 Jun 2015</td>
<td>Download</td>
</tr>
<tr>
<td>Gunfleet Sands 1, 2 &amp; 3</td>
<td>3</td>
<td>8.5km off Clacton-On-S</td>
<td>50</td>
<td>DONG Energy</td>
<td>19 Apr 2010</td>
<td>Download</td>
</tr>
<tr>
<td>Humber Gateway</td>
<td>3</td>
<td>8km off Holderness Cat</td>
<td>73</td>
<td>E.ON UK</td>
<td>5 Jun 2015</td>
<td>Download</td>
</tr>
<tr>
<td>Kentish Flats</td>
<td>3</td>
<td>9km off Whitsable</td>
<td>30</td>
<td>Vattenfall</td>
<td>1 Oct 2015</td>
<td>Download</td>
</tr>
<tr>
<td>Lincs</td>
<td>3</td>
<td>8km off Skegness</td>
<td>75</td>
<td>Centrica / DONG / Siemens</td>
<td>10 Oct 2013</td>
<td>Download</td>
</tr>
<tr>
<td>London Array</td>
<td>3</td>
<td>24km off Clacton-on-S</td>
<td>175</td>
<td>DONG Energy / E.On / Masdar</td>
<td>1 May 2013</td>
<td>Download</td>
</tr>
<tr>
<td>Lynn and Inner Dowsing</td>
<td>3</td>
<td>5km off Skegness</td>
<td>54</td>
<td>Centrica</td>
<td>30 Mar 2009</td>
<td>Download</td>
</tr>
<tr>
<td>North Hoyle</td>
<td>5</td>
<td>7.5km off Prestatyn</td>
<td>30</td>
<td>RWE Npower Renewables</td>
<td>1 Dec 2003</td>
<td>Download</td>
</tr>
<tr>
<td>Ormonde</td>
<td>5</td>
<td>off Wainey Island</td>
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### National Awareness Charts

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<td>North Sea Central</td>
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<tr>
<td>North Sea South</td>
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<tr>
<td>English Channel</td>
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<tr>
<td>South Western Approaches</td>
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### National Fishing Plotter Files

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