

## Offshore Wind and Marine Renewables

05 May 2016 | Issue 10

For 'live' Kingfisher updates of offshore activities, visit [www.kis-orca.eu](http://www.kis-orca.eu) and follow @KingfisherInfo on Twitter

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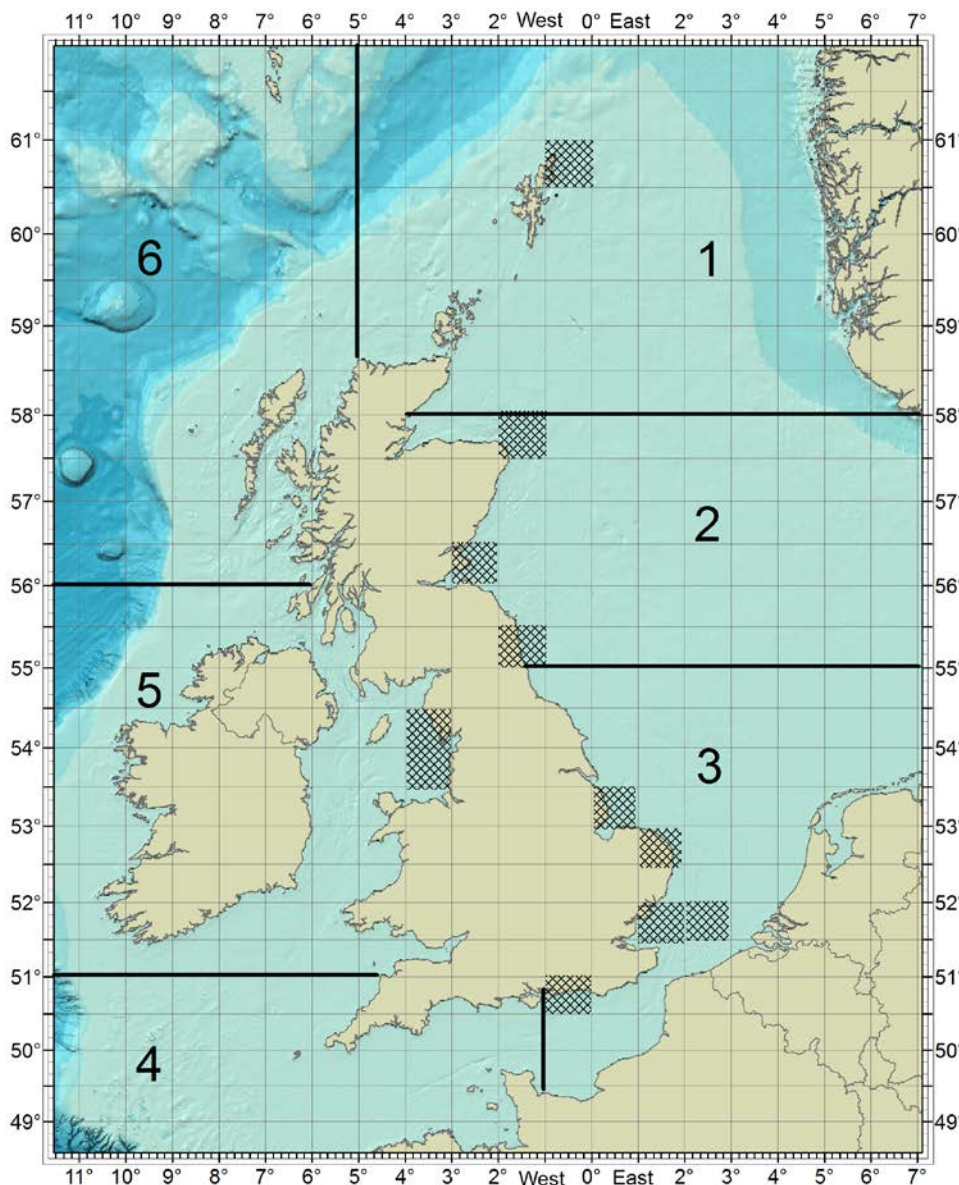
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**New Hazards**

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**Area 1 – Hazard List**

<i>Hazard Type</i>	<i>Position</i>	<i>Issue Date</i>	<i>Contact Details</i>	<i>Map</i>
New Suspended Wellhead – 16/28a-18	58°05.053'N 01°34.587'E	07 April 2016	<a href="mailto:Marcelle.wynter@oga.gsi.gov.uk">Marcelle.wynter@oga.gsi.gov.uk</a>	
Sunken Vessel Majestic	60°45.535'N 001°17.018'W	28 Jan 2016	<a href="mailto:nick.strachan@uk.bp.com">nick.strachan@uk.bp.com</a>	
Pipeline Span 204/24a Foinaven	60°18.824'N 004°13.793'W 60°18.819'N 004°13.779'W	28 Jan 2016	<a href="mailto:nick.strachan@uk.bp.com">nick.strachan@uk.bp.com</a>	
Possible Debris from Well 15/21b-21	58°12.510'N 000°07.388'E	28 Jan 2016	<a href="mailto:kingfisher@seafish.co.uk">kingfisher@seafish.co.uk</a>	

\* **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.**

Area 1

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### Seabed Activity

First Published: 05 May 2016 | **Latest Update: 05 May 2016**

#### EMEC Tidal Site – Fall of Warness Orkney

Subsea cable re-termination works are planned at the EMEC tidal site at the Fall of Warness, Orkney are scheduled to commence on 12th May 2016 and last until 18th May 2016 inclusive.

The multi-cat C-Chariot will be engaged as the support vessel for subsea cable re-termination works in the north of the EMEC tidal test site. The works will include mooring, diving and crane operations.



A four point mooring securing the C-Chariot extend to a maximum radius of 220 metres from position

#### Coordinates

59°09.200'N 02°49.890'W

For further information: *For further information: David Thompson, Sustainable Marine Energy Ltd, Tel: +44 1856 879214 email: [david.thompson@sustainablemarine.com](mailto:david.thompson@sustainablemarine.com)*

### Seabed Activity

First Published: 11 February 2016 | **Latest Update: 11 February 2016**

#### Bluemill Sound (Shetland) – Subsea Tidal Turbine

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

Multicat vessel Whalsa Lass (call sign 2EZQ4) will conduct offshore and subsea operations. Works will include loading and preparatory work at Belmont Pier and Cullivoe Pier. The work will be conducted from February 2015 to September 2016; operations could take place during day or night.



Turbine installation work will be conducted within a 300m radius of the turbine deployment site. Work will also be conducted along the cable route; cable waypoints are listed.

**Turbine Deployment location:** 60°41.908'N 00°59.016'W

#### Cable Way Points:

1. 60°41.878'N 000°59.917'W	5. 60°41.818'N 000°59.400'W	9. 60°41.878'N 000°59.917'W
2. 60°41.813'N 000°59.862'W	6. 60°41.835'N 000°59.217'W	10. 60°41.813'N 000°59.862'W
3. 60°41.814'N 000°59.701'W	7. 60°41.869'N 000°59.101'W	
4. 60°41.815'N 000°59.437'W	8. 60°41.900'N 000°59.030'W	

One temporary buoy will be deployed at the site for the duration of operations, in the vicinity of the following location:

#### Coordinates

60°41.908'N 00°59.016'W

Three subsea turbines will be installed in total during this phase of construction work. The first turbine (T1) will be deployed in February at the location indicated below. Subsequent turbines (T2 and T3) will be deployed in the vicinity of T1; precise coordinates will be circulated in subsequent Notices to Mariners in advance of deployment. The minimum clearance of all turbine from MLWS will be 15m.

For further information: *For further information: Gavin McPherson, Nova Innovation, Tel: 0131 5542242 email: [gavin.mcpherson@novainnovation.com](mailto:gavin.mcpherson@novainnovation.com)*

Area 2

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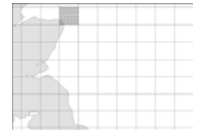
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### Seabed Activity

First Published: 07 April 2016 | **Latest Update: 12 April 2016**

#### Hywind Scotland – UXO Survey

Statoil Petroleum will perform Seabed survey and UXO survey activities in the UK sector of the North Sea. The survey will be done by the offshore vessel Edda Fonn in the period of approx. 14th April to 15th May 2016.



The work consist of survey along the planned Power cable route from Peterhead to the Field at Buchan deep, approx. 26km offshore (east of Peterhead).

The objective of the survey is to locate and identify any unexploded ordnance in the area of the planned Hywind cable route and wind turbine park.

Please note that no anchoring will be performed during operation (DP vessels will be used)

#### Coordinates

57°30.958'N 01°46.758'W  
57°31.411'N 01°45.114'W  
57°31.570'N 01°44.278'W  
57°31.672'N 01°42.750'W  
57°31.569'N 01°41.584'W  
57°31.435'N 01°40.985'W  
57°30.424'N 01°38.000'W  
57°30.284'N 01°38.162'W  
57°31.278'N 01°41.076'W  
57°31.417'N 01°41.690'W  
57°31.510'N 01°42.767'W  
57°31.406'N 01°44.254'W  
57°30.814'N 01°46.596'W

For further information: Roy Wollvik, Statoil ASA, Tel: +47 51380302 email@[rowo@statoil.com](mailto:rowo@statoil.com)

### Seabed Activity

First Published: 28 January 2016 | **Latest Update: 01 April 2016**

#### Inch Cape Offshore Limited – Met Masts Works

Drace Infrastructures UK Ltd, on behalf of Inch Cape Offshore Limited, will be undertaking unscheduled works, will be undertaking up to 7 days of maintenance works commencing the 4th of April, at the earliest.



During these works the Sea Beaver – MVNK8 crew transfer vessel will operate to bring workers from port to the works location

#### Coordinates

56°26.404'N 002°14.489'W

The vessel will remain on site during the works and will then return the workers to port.

For further information: Miguel Eguiagaray, Drace Infrastructures UK Ltd, Tel: 07539 744 941 / +34 637 734 032 email: [mequiagarayg@darce.com](mailto:mequiagarayg@darce.com)  
David Armour, Inch Cape Offshore Limited, Tel: +44(0)131 557 7105 +44(0) 7801 624555 email: [david.armour@repsol.com](mailto:david.armour@repsol.com)

Area 2

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### Deployment of Buoys

First Published: 10 March 2016 | **Latest Update: 10 March 2016**

## Blyth Offshore Demonstrator Project – Deployment of Hydrophones

Blyth Offshore Demonstration Ltd (BODL) will be deploying 11 Hydrophones offshore at Blyth in order to monitor the presence and activity of small cetaceans in and around the proposed turbine development array.



Ref	Coordinates
N1	55°12.528'N 01°27.221'W
N2	55°11.745'N 01°24.166'W
OC1	55°08.601'N 01°26.454'W
OC2	55°08.262'N 01°23.635'W
S1	55°05.349'N 01°24.908'W
S2	55°05.348'N 01°21.204'W
CB	55°10.305'N 01°29.495'W
New 1	55°10.056'N 01°24.286'W
New 2	55°08.587'N 01°29.343'W
New 3	55°06.989'N 01°25.752'W
New4	55°06.659'N 01°22.886'W

The hydrophones (pods) are passive devices consisting of a buoyant plastic tube 67cm in length and 10cm in diameter attached to a weight by a 4m length of line, with the battery powered electronic recording device inside.

The vessel Princess Royal – 2EYM2 will be used to deploy and retrieve the equipment. The period of deployment will be until at least October 2016.

*For further information:* Simon Prince, Specialist Marine Consultant Ltd, Tel: +44(0)7920 273866 email: [simonp@smchse.com](mailto:simonp@smchse.com)

Area 3

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### Notice to Fishermen

First Published: 21 April 2016 | Latest Update: 21 April 2016

## Triton Knoll Offshore Wind Farm – Anchor Chain & Moorings



Mariners are advised that anchor chain and mooring components remaining within the Triton Knoll Offshore Wind Farm approximately 50 kilometres (km) off the Lincolnshire coast at its nearest point.



### Clump Weights & Mooring Lines

Location	Item on Seabed
53°24.768'N 000°57.872'E	500kg Clump Weight
53°24.784'N 000°58.340'E	500kg Clump Weight
53°24.760'N 000°57.423'E	500kg Clump Weight
53°27.667'N 000°54.261'E	500kg Clump Weight
53°27.674'N 000°54.713'E	500kg Clump Weight
53°27.579'N 000°53.799'E	500kg Clump Weight
53°30.084'N 000°42.401'E	500kg Clump Weight
53°30.099'N 000°43.378'E	500kg Clump Weight
53°27.653'N 000°54.261'E	500kg Clump Weight
53°25.032'N 000°57.959'E	80kg Clump Weight

For further information: Mark Barham Tel: +44(0)1493 845 600 email: [mark.barham@gardline.co.uk](mailto:mark.barham@gardline.co.uk)

Graham Moates, Triton Knoll Offshore Wind Farm Ltd, Tel: +44(0)7976 301 963 email: [graham.moates@nwe.com](mailto:graham.moates@nwe.com)

### Seabed Activity

First Published: 03 December 2015 | Latest Update: 29 April 2016

## Rampion Offshore Wind Farm – UXO, Buoys and Safety Zones

The Vessel MV Erica will sail to Wave Rider no 2 at the Rampion Offshore Wind Farm site.



Name	Coordinates
Wave Rider 1	50°45.405'N 00°19.312'W
Wave Rider 2	50°40.203'N 00°13.348'W
Wave Rider 3	50°39.137'N 00°19.543'W

Confirmed UXO 2 x 500 pound British bombs have been deployed and mariners are advised to keep a 500m exclusion/safety zone around the marker.

Once the UXO has been retrieved or disposed of the buoys will be removed and an updated NTM will be distributed.

Name	Coordinates
UXO No 1	50°47.511'N 00°19.173'W
UXO No 2	50°47.501'N 00°19.162'W
Special Mark No1	50°47.474'N 00°19.164'W

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

Met Mast	Coordinates
	50°41.287'N 00°20.594'W

Special Yellow marker buoys with 2-3nm yellow light which flashes 1 sec every 5 seconds.

Ongoing Works will take place when weather permits to commission the AIS on the cardinals.

Cardinal Buoy Positions	Cardinal Buoy Positions
50°41.375'N 00°21.901'W	50°39.170'N 00°11.365'W
50°42.072'N 00°17.095'W	50°38.399'N 00°16.149'W
50°42.769'N 00°12.284'W	50°37.629'N 00°20.928'W
50°41.051'N 00°11.310'W	50°39.439'N 00°21.931'W

### Safety Zone Application

- Rampion Offshore Wind Farm - Application of Safety Zones during construction
- The Secretary of State Mr Kieth Welford has approved the Application of Safety Zones on the project.
- A Statutory 500m Safety Zone around all structures where a construction vessel is present.
- A Statutory 50m Safety Zone around all structures including the Offshore Sub Station whilst personnel are working on said locations

For further information: Gordon Bain (Eon Marine Coordination) +44(0)7787241442 email [leadmc@rampionoffshore.com](mailto:leadmc@rampionoffshore.com)

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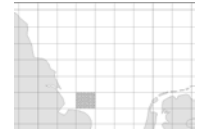
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### Seabed Activity

First Published: 10 March 2016 | Latest Update: 02 May 2016

## Dudgeon Offshore Wind Farm – Construction Works

Construction activities are in progress at the Dudgeon Offshore Wind Farm and Export Cable Corridor.



#### Foundation Installation

The OLEG STRASHNOV Heavy Lift Vessel, operated by Seaway Heavy Lifting, will install the 67 Wind Turbine Generator foundations and the substation topside in the wind farm area. The OLEG STRASHNOV will be supported by anchor handling tugs. This operation is ongoing and expected to be completed by end-August 2016.

The STANISLAV YUDIN Heavy Lift Vessel, operated by Seaway Heavy Lifting, will install the substation jacket foundation in the wind farm area. The STANISLAV YUDIN will be supported by anchor handling tugs. This operation is expected to start early-May 2016 and expected to be completed by end-May 2016.

#### Cable Installation

PONTRA MARIS – PGUZ operated by VBMS, will complete the ducts after cable installation at the export cable landfall site near Weybourne. PONTRA MARIS will start work mid-April 2016.

The STEMAT SPIRIT – PBSO cable laying vessel, operated by VBMS, will install two export cables from the cable landfall near Weybourne and progress towards the offshore substation location. The STEMAT SPIRIT will be supported by anchor handling tugs. This operation is ongoing and expected to be completed by August 2016.

The NDEAVOR – 5BVG3 cable laying vessel, operated by VBMS, will install inter-array cables to connect wind turbines to the offshore substation. This operation is expected to start late June 2016 and expected to be completed by mid-September 2016.

The Grand Canyon will be performing burial of the Inter Array Cables. This operation is expected to start early August 2016. The vessel Rollingstone will perform rock installation as scour protection around the Substation. This operation is expected to start late May 2016. The VBMS Vessel Breaker will perform pre-lay Survey for cable installation. This operation is planned to start late April 2016 and finish mid May. Anna-B have been used as dive support vessel during second onshore cable pull-in operation, and the vessel will come back as anchor handling vessel for Stemat Spirit.

The Adventure will act as a guard vessel to safe guard the wind farm area. During port calls, Advance will be her back-up. Adventure will be on location from end April expected to be completed late October. The export cable shall be spliced and the Rachael S will act as guard vessel at the cable jointing location from mid April 2016.

#### General

All vessels will exhibit appropriate lights and shapes prescribed by the International Regulations for Preventing Collisions at Sea. All Vessels are requested to give all construction and support vessels a wide berth. Mariners are advised to navigate with caution and keep continued watch on VHF Ch. 16 when navigating the area.

Navigation Buoys demarcating the Dudgeon Offshore Wind Farm site

Mark	Name	Coordinates	Status	Flash Character
North Cardinal	N-DOW	53°19.102'N 01°20.592'E	Temporary	Q
Special Mark	DOW - SM - N	53°17.631'N 01°23.919'E	Temporary	Fl.Y.5s
North Cardinal	NE - DOW	53°16.277'N 01°26.691'E	Temporary	VQ
East Cardinal	E- DOW	53°14.320'N 01°27.123'E	Temporary	VQ(3).5s
South Cardinal	S-DUDGEON	53°12.470'N 01°25.617'E	Permanent	VQ(6) long Fl.10s
Special Mark	DOW - SM - S	53°14.012'N 01°22.132'E	Temporary	Fl.Y.5s
South Cardinal	SW - DOW	53°15.451'N 01°19.188'E	Temporary	Q(6) long Fl.15s

Dudgeon Cable Corridor Coordinates		Dudgeon Cable Corridor Coordinates	
53° 13.462'N	01° 24.174'E	52° 56.950'N	01° 08.740'E
53° 15.230'N	01° 20.360'E	52° 57.230'N	01° 09.600'E
53° 14.140'N	01° 20.820'E	52° 59.220'N	01° 11.920'E
53° 12.990'N	01° 20.370'E	53° 00.430'N	01° 13.410'E
53° 10.090'N	01° 18.540'E	53° 01.760'N	01° 15.080'E
53° 02.750'N	01° 13.780'E	53° 09.580'N	01° 20.190'E
53° 01.720'N	01° 13.040'E	53° 12.750'N	01° 22.120'E
53° 01.490'N	01° 12.230'E	53° 13.420'N	01° 22.120'E
53° 01.300'N	01° 07.830'E	53° 13.462'N	01° 24.174'E
52° 57.100'N	01° 07.500'E		

For further information: Stig J. Andersen, Statoil ASA Tel: +47 95243448 email: [stja@statoil.com](mailto:stja@statoil.com)

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### Seabed Activity

First Published: 07 April 2016 | Latest Update: 05 May 2016

## Galopper Offshore Wind Farm – Investigation & Explosive Ordnance

Offshore Wind Farm. Initial works will commence within the export cable corridor towards the coastline at Sizewell and will then progress towards the Galopper Offshore Wind Farm area.



Please be advised that from 1st May 2016 until further notice, identified target investigation and EOD works will be supported by a further vessel at Galopper Offshore Wind Farm.

“Noordhoek Pathfinder – PBYN” shall be joining “Siem N-Sea” and “Neptunus” in carrying out these operations. Noordhoek Pathfinder shall be operating on DP from the 14m contour (approx. 4km from the shore) out towards the Galopper Offshore Wind Farm.

The vessel requests a 500m safety radius with permission to enter being given direct via the vessel after initial contact on VHF 16.

The works will involve the vessels investigating identified targets in order to determine if they are Unexploded Ordnance (UXO). If confirmed as UXO, further updates will be provided prior to the targets being detonated by a specialist contractor.

Identified UXO's

52°00.938'N	01°54.450'E
52°03.769'N	01°48.303'E
52°03.233'N	01°48.840'E
52°03.056'N	01°49.351'E

In the interim period prior to disposal all vessels are advised to avoid the item's location by a 300m radius from the position highlighted above. A larger safety distance will be implemented during positive EOD operations and this will be notified in due course.

**For further information:** Oliver Harris, Gardline Tel: +44(0)1493 845 600 email: [oliver.harris@gardline.com](mailto:oliver.harris@gardline.com)

### Seabed Activity

First Published: 19 November 2015 | Latest Update: 05 May 2016

## Race Bank Offshore Wind Farm – Construction Work

NOTICE IS HEREBY GIVEN that commencing on the 7th February 2016 construction work will commence on the Race Bank Offshore Wind Farm.



**THE ENTIRE FISHING CLEARANCE ZONE REMAINS CLOSED TO THE FISHING INDUSTRY**

Work will consist of cable laying, foundation and WTG & Sub Station installation, surveys and other associated works to enable the development of the Wind Farm. The works are anticipated to run until 31st August 2018.

Demarcation buoys deployed on the 5th February 2016 will mark the main array at the following locations:

North Cardinal Buoy	53° 20.333' N	0° 46.096' E	Special Mark Buoy	53° 12.985' N	0° 53.459' E
North Cardinal Buoy	53° 20.291' N	0° 49.434' E	Special Mark Buoy	53° 14.610' N	0° 48.460' E
Special Mark Buoy	53° 17.533' N	0° 50.975' E	Special Mark Buoy	53° 17.764' N	0° 45.822' E
Special Mark Buoy	53° 15.696' N	0° 56.311' E			

ALL VESSELS ARE REQUESTED to navigate with caution when in the vicinity of construction vessels. Please keep a minimum of 500 meters from vessels in operation. All vessels working within the site will exhibit the lights and shapes prescribed by the International Regulations for Preventing Collisions at Sea and will maintain a listening watch on IMM VHF 16.

MARINERS ARE ADVISED to monitor VHF 16 when navigating in the vicinity of construction vessels.

**For further information:** Rebecca Goff, DONG, Tel: 0044 776 170914 [rebgo@dongenergy.co.uk](mailto:rebgo@dongenergy.co.uk)



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### Seabed Activity

First Published: 07 April 2016 | Latest Update: 07 April 2016

#### Race Bank – Dredging and Scour Protection Operation

Commencing on the 6th April 2016 dredging and scour protection work will commence on the Race Bank Offshore Wind Farm Main Array. The vessels BREUGHAL, FLINTSTONE and GUARDIAN will be engaged in the works which are anticipated to run until the 15th May 2016.



Demarcation buoys deployed on the 5th February 2016 mark the main array at the following locations

53°20.333'N	00°46.096'E	North Cardinal Buoy	53°12.985'N	00°53.459'E	Special Marker Buoy
53°20.291'N	00°49.434'E	North Cardinal Buoy	53°14.610'N	00°48.460'E	Special Marker Buoy
53°17.533'N	00°50.975'E	Special Marker Buoy	53°17.764'N	00°45.822'E	Special Marker Buoy
53°15.696'N	00°56.311'E	Special Marker Buoy			

For further information: Rebecca Goff, DONG Energy Ltd, [Rebgo@dongenergy.co.uk](mailto:Rebgo@dongenergy.co.uk)

### Seabed Activity

First Published: 21 April 2016 | Latest Update: 21 April 2016

#### Hornsea Met Mast – Loss of communication

Communications with the Hornsea met mast are currently down therefore the operation of the deck level NAVIGATION LIGHTS and top level AVIATION LIGHTS (110m) cannot be verified.



The issue will be corrected as soon as possible, but all mariners are advised to mark the position of this mast on their charts/plotters and take particular effort to keep clear until informed that the issue has been corrected.

Hornsea Met Mast (HS MM1)	53°53.149'N 001°59.497'E
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For further information: Niall Connell, DONG, Tel: +44 7769 838960 email: [XNCON@dongenergy.co.uk](mailto:XNCON@dongenergy.co.uk)

### Seabed Activity

First Published: 07 April 2016 | Latest Update: 07 April 2016

#### Rampion Offshore Wind Farm – Scour Protection Rock dumping

Please be advised that the installation vessel Nordnes – PHOG will be installing scour protection at the below locations in the Main Array Area commencing operations on 24th March 2016 for approximately one-month weather permitting



WTG ID	Coordinates	WTG ID	Coordinates
H06	50°40.503'N 0°18.151'W	K06	50°39.626'N 0°19.604'W
I02	50°40.667'N 0°21.093'W	K07	50°39.504'N 0°18.982'W
I07	50°40.036'N 0°19.729'W	K08	50°39.389'N 0°18.381'W
J06	50°39.916'N 0°19.120'W	M09	50°38.689'N 0°18.727'W
J08	50°39.686'N 0°17.888'W	M10	50°38.580'N 0°18.109'W
K04	50°39.849'N 0°20.836'W	N09	50°38.398'N 0°19.216'W
K05	50°39.737'N 0°20.229'W		

All vessels are requested to maintain a 500m Safety zone around the vessel at all times. An Advisory 250m Safety Zone is requested around these locations at all times Vessel will be monitoring channel 16 VHF and the project P1 channel

For further information: Gordon Bain (Eon Marine Coordination) +44(0)7787241442 email [leadmc@rampionoffshore.com](mailto:leadmc@rampionoffshore.com)

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### Seabed Activity

First Published: 07 April 2016 | Latest Update: 07 April 2016

#### Lynn Offshore Wind Farm – Aids to navigation repair

Please be aware that the navigation aids on LN05 are inoperable at the present time. It is anticipated that repairs will be made by Friday 8th April. An update will be issued if timescales change or on completion of works.

Turbine ID	Coordinates
LN05	53°08.607'N 0°25.822'E



All vessels

For further information: Simon Prince, Specialist Marine Consultant Ltd, Tel: +44(0)7920 273866 email: [simonp@smchse.com](mailto:simonp@smchse.com)

### Survey Activity

First Published: 07 April 2016 | Latest Update: 08 April 2016

#### Hornsea Project One Offshore Wind Farm – Survey

Mariners are advised that Hornsea Project One will be carrying out geotechnical investigations in April for the proposed Hornsea Project One Offshore Wind Farm located within the UK Sector of the North Sea.

Company, Vessel & Call Sign	Area Covered	Start Timeframe & Duration
Fugro MV Bucentaur C6SU4 MV Greatship Manisha C6SU4	1. 53°58.703'N 001°44.531'E	08/04/16 For 8 Weeks
	2. 53°55.774'N 001°47.797'E	
	3. 53°56.381'N 001°51.957'E	
	4. 53°55.522'N 001°52.905'E	
	5. 53°55.627'N 001°53.635'E	
	6. 53°55.389'N 001°55.338'E	
	7. 53°55.136'N 001°56.177'E	
	8. 53°55.590'N 001°59.349'E	
	9. 53°55.042'N 001°59.763'E	
	10. 53°55.378'N 002°02.237'E	
	11. 53°56.272'N 002°01.254'E	
	12. 53°56.776'N 002°05.067'E	
	13. 53°57.208'N 002°04.540'E	
	14. 53°57.408'N 002°06.112'E	
	15. 53°50.167'N 002°13.953'E	
	16. 53°49.238'N 002°11.614'E	
	17. 53°49.976'N 001°59.913'E	
	18. 53°49.982'N 001°58.997'E	
	19. 53°50.085'N 001°38.974'E	
	20. 53°55.155'N 001°39.867'E	
	21. 53°56.054'N 001°41.002'E	
	22. 53°56.494'N 001°43.760'E	
	23. 53°58.297'N 001°41.780'E	
	24. 53°58.703'N 001°44.531'E	



For further information: Nick Garside & Courtney French, Tel: +44(0)7538 827013 email: [nick.garside@live.co.uk](mailto:nick.garside@live.co.uk) Tel: +44(0)7702710178 email: [Courtney@brownmay.com](mailto:Courtney@brownmay.com)

### Survey Activity

First Published: 05 May 2016 | Latest Update: 05 May 2016

#### Hornsea Project Three Offshore Wind Farm – Survey

Mariners are advised that Hornsea Project Three will be carrying out geophysical investigations located within the UK Sector of the North Sea off the coast of East Yorkshire.

Company, Vessel & Call Sign	Area Covered	Start Timeframe & Duration
Dong Energy MV Neptune TFNX MV Northern Wind SHLQ	1. 53°40.866'N 002°48.241'E	09/05/16 For 10 Weeks
	2. 53°48.198'N 002°23.461'E	
	3. 53°59.671'N 002°10.976'E	
	4. 54°00.405'N 002°41.223'E	



For further information: Julian Carolan, DONG, Tel: 0207 811 5471 email: [julca@dongenergy.co.uk](mailto:julca@dongenergy.co.uk)

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### Seabed Activity

First Published: 05 May 2016 | **Latest Update: 05 May 2016**

#### Walney Extension (WOWO3-4) Export Cable – Ducts at Middleton Sands

Work on preparing the landfall positions at the intertidal zone off Middleton Sands in readiness for the proposed WALNEY EXTENSION (WOWO3-4) WIND FARM EXPORT CABLES is scheduled to begin on or around, but no earlier than, the 10th May, with the installation of two ducts under the saltmarsh at Middleton sands.



The work will require a compound of approximately 40m by 60m to be established on the beach at Middleton Sands close to the Mean High Water.

It is not expected that there will be any impact upon mariners and the work is expected to last for approximately 2 months.

On or around 27th May the two ducts, of approximately 450m in length, will be transited by sea South and East through the Irish Sea passing to the north east of the Isle of Man and to the south of the existing WALNEY and WEST of DUDDON SANDS OFFSHORE WIND FARMS and into the Lune Deeps / Heysham Lake before offloading at Middleton sands in Morecambe Bay (vessel or vessels to be confirmed).

During transit/delivery the ducts will be appropriately buoyed and marked with a standard yellow ribbon painted on each at 5 meter intervals in order to increase visibility as well as being fitted with radar reflectors.

To mark the end of the tow and to mitigate any navigational/collision risk, there will be a continuous quick flash light with an additional radar reflector.

The ducts will be offloaded and temporarily stored on the beach at Middleton sands in close proximity to the Mean High Water mark prior to installation.

[Kingfisher Awareness Flyer: Walney 1 & 2 Offshore Wind Farm](#)

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

### Seabed Activity

First Published: 17 December 2013 | **Latest Update: 02 May 2016**

#### Walney 2 Offshore Wind Farm – UXO Survey

The section of replaced cable has now been buried to depth of 2 – 3 meters and all of the vessels involved have now de-mobilised from this project.



A Bathymetric survey of the recently repaired and replaced section of export cable at the Walney 2 Wind Farm is shortly to be carried out by the Briggs Marine 18m survey vessel 'Mersey Guardian' Survey to start Saturday 7<sup>th</sup> May 2016 for 1 Day.

#### Extension

A survey to detect any UXO's both within the proposed Walney Extension Wind Farm Site (WOWO3 – WO4) and along the whole length of the export cable route is ongoing.

This survey will be carried out by three vessels: 'Fugro Helmer', 'RV Discovery'

[Kingfisher Awareness Flyer: Walney 1 & 2 Offshore Wind Farm](#)

[Kingfisher Awareness Flyer: West of Duddon Sands Offshore Wind Farm](#)

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

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### Seabed Activity

First Published: 17 December 2013 | **Latest Update: 05 May 2016**

## West of Duddon, Walney 1 & 2, Barrow & Burbo – Diving Operations

**A programme of underwater inspections that will involve extensive Diving Operations at selected Turbine and Sub-Station locations at all five of the DONG operated Wind Farms in the Eastern Irish Sea has been scheduled with a start date of Friday 6th May 2016 For one Month.**



WEST of DUDDON SANDS Turbines to be inspected  
Z01, A01, A04, A09, A12, B09, B10, D03, D05, D06, E08, E11, F01, F14, G03, G11, H07, H10, H13, I04, I06, I07, J01, J06, J09, J12.

DIVERS will access Turbine position according to the conditions of weather and tide at the time and because of this fishermen are requested and advised to avoid setting any pots within 500 meters of any of the above mentioned Turbines during this period, if in doubt please contact me.

The Dive Support Vessel will be 'HBC ACHIEVER' and this vessel will display the ALPHA FLAG from the mast as well as on a wooden board attached to either side of the bridge which will be illuminated at night. (please see attachment)

A 500 meter safety exclusion zone is requested around 'HBC ACHIEVER' at all times whenever this vessel is observed to be in any of the above mentioned Wind Farms.

A listening watch will be kept on VHF Channels 16 & 12 and 'HBC ACHIEVER' can be contacted for information relating to DIVING OPERATIONS only

Fishermen using pots are requested to note the Turbines to be inspected in each of the Wind Farms in the list below and remove their gear away from any Turbine on that list, to at least 500 meters, when informed that 'HBC ACHIEVER' will be operating in that Wind Farm.

Turbines to be inspected at WALNEY 1 - Sub-Station  
Turbines to be inspected at WALNEY 2 - Sub-Station, A16, A17, C14, C15, E09, E10, F13, F14.  
Turbines to be inspected at BURBO BANK – BB13, BB15, BB27, BB29, BB31, BB33.

[Kingfisher Awareness Flyer: Walney 1 & 2 Offshore Wind Farm](#)  
[Kingfisher Awareness Flyer: West of Duddon Sands Offshore Wind Farm](#)  
[Kingfisher Awareness Flyer: Burbo](#)   [Kingfisher Awareness Flyer: Barrow](#)

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

### Seabed Activity

First Published: 19 November 2013 | **Latest Update: 05 May 2016**

## Robin Rigg Offshore Wind Farm – Decommissioning Works

Starting on or around Wednesday 11th May the self-propelled jack-up 'Seajacks Leviathan' will carry out main component exchanges at 5 Turbine positions at the Robin Rigg Wind Farm



Component exchanges will be carried out at Turbine positions B04, G03, G06, F03 and F05 with a standby location between Turbines D1 and E2.

Each component exchange can be expected to take between 3 / 5 days depending on weather and conditions. A wide berth, minimum 500 meters, is requested around 'Seajacks Leviathan' at all times while on site and especially when it can be seen that the vessel is afloat and manoeuvring into position

Fishermen are requested and advised not to set any gear close to any of the above mentioned Turbine positions in the Robin Rigg Wind Farm during this period of maintenance work.

For more information on the boundaries of the 50 metre Advisory Safety Zones, ensure that you have the latest KIS-ORCA information installed. This can be downloaded from [www.KIS-ORCA.eu](http://www.KIS-ORCA.eu).

A yellow and lit marker buoy, 1 meter in diameter at the waterline with characteristics fl. y 5s has been dropped to mark the position of a temporary underwater obstruction at the partially removed turbine A1 at the following position:

54°46.3'N 03°42.10'W

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](http://www.kingfishercharts.org)

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[Kingfisher Awareness Flyer: Robin Rigg Offshore Wind Farm](#)

[Kingfisher Fishing Plotter CD: Robin Rigg Offshore Wind Farm](#)

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

### Deployment of buoys

First Published: 24 March 2016 | Latest Update: 05 May 2016

## Burbo Bank 2 (Extension) – Scour & Rock Placement

The scour rock placement vessel 'Ham 602' is on site at the Burbo Bank 2 (extension) wind farm site laying scour and filter stone placement at each turbine position and, depending on weather and conditions, will be onsite for approx. 1 month.



A 500 meter safety exclusion zone is requested around Ham 602' at all times while this vessel is on site

Three bulk carriers (self-unloading rock carriers) 'MV Fluvius Taw', 'MV Liamare' and 'MV Stavfiord' will be on site periodically during this time, transiting and anchoring within the wind farm perimeter, in order to carry out the transfer of rock material to 'Ham 602' before returning to Norway to re-load.

A 500 meter safety exclusion zone is requested around all of these vessels while on site and in particular when it can be observed that there is a transfer of rock material taking place from one of the carriers to 'Ham 602'

Two Wave Buoys and one Acoustic Recorder Buoy have been deployed at the proposed Burbo Bank 2 (Extension) Wind Farm Site.

Buoys	Location
Wave Buoy	53°29.101'N 003°15.530'W
Wave Buoy	53°30.114'N 003°21.688'W
Acoustic Recorder Buoy	53°28.999'N 003°15.530'W

A series of CARDINAL and SPECIAL MARKER BUOYS are to be deployed at the proposed BURBO BANK 2 (EXTENSION) WIND FARM SITE to mark what will become the construction area and all mariners are requested and advised to mark the positions of these Buoys on their charts/plotters.

The Buoys are scheduled to be deployed on or around Friday 1st April and will remain in place to mark the construction site until the Wind Farm is built and fully commissioned

Buoy Ref.	Location	Type
NM1	53°30.343'N 003°22.929'W	North Cardinal QFI
NM2	53°30.371'N 003°18.284'W	Special mark FI Y 2.5s
NM3	53°30.390'N 003°14.040'W	Special mark FI Y 5s
NM4	53°27.610'N 003°11.625'W	South Cardinal Q(6) + L FI 15s
NM5	53°27.604'N 003°15.159'W	Special mark FI Y 2.5s
NM6	53°27.600'N 003°18.774'W	South Cardinal VQ(6) + L FI 10s
NM7	53°28.970'N 003°21.001'W	Special Mark FI Y 2.5s

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

### Survey Activity

First Published: 05 May 2016 | Latest Update: 05 May 2016

## Gwynt Y Mor Offshore Wind Farm – Survey

Company, Vessel & Call Sign	Area Covered	Start Timeframe & Duration
Fugro	1. 53°30.999'N 003°44.340'W 2. 53°31.094'N 003°24.433'W	06/05/16 – 13/05/2016  For 8 Days
Fugro Helmet ZDNM8	3. 53°23.544'N 003°24.361'W	
	4. 53°23.499'N 003°44.209'W	



For further information: Nick Simmons, Fugro, Tel: +44 (0)1489 860 078 email: [n.simmons@fugro.com](mailto:n.simmons@fugro.com)

Extra...

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### Local Awareness Charts

Chart	Area	Location	Turbines	Developer	Completed	Link
Barrow	5	7km dudgeon Island	30	DONG Energy	1 Jul 2006	<a href="#">Download</a>
Burbo Bank	5	5.2km Crosby	25	DONG Energy	27 Oct 2007	<a href="#">Download</a>
Greater Gabbard	3	26km off Orford, Sufflk	140	SSE & RWE Npower Ren	7 Sept 2012	<a href="#">Download</a>
Gwynt y Mor	5	13km off N Wales Cst	160	RWE Innogy / SWM / Siemens	18 Jun 2015	<a href="#">Download</a>
Gunfleet Sands 1, 2 & 3	3	8.5km off Clacton-On-S	50	DONG Energy	19 April 2010	<a href="#">Download</a>
Humber Gateway	3	8km off Holdrns Cst	73	E.ON UK	5 Jun 2015	<a href="#">Download</a>
Kentish Flats	3	9km off Whitstable	30	Vattenfall	1 Oct 2015	<a href="#">Download</a>
Lincs	3	8km off Skegness	75	Centrica / DONG / Siemens	10 Oct 2013	<a href="#">Download</a>
London Array	3	24km off Clacton-on-S	175	DONG Energy / E.On / Masdar	1 May 2013	<a href="#">Download</a>
Lynn and Inner Dowsing	3	5km off Skegness	54	Centrica	30 Mar 2009	<a href="#">Download</a> <a href="#">Download</a>
North Hoyle	5	7.5km off Prestatyn	30	RWE Npower Renewables	1 Dec 2003	<a href="#">Download</a>
Ormonde	5	off Walney Island	30	Vattenfall	22 Feb 2012	<a href="#">Download</a>
Rhyl Flats	5	8km Abergele	25	RWE Npower Renewables	2 Dec 2009	<a href="#">Download</a>
Robin Rigg	5	9.5km Maryport	60	E.ON UK Renewables	16 Apr 2010	<a href="#">Download</a>
Scroby Sands	3	3km NE Great Yarmth	30	E.ON UK Renewables	1 Mar 2004	<a href="#">Download</a>
Sheringham Shoal	3	Sheringham, Grtr Wash	88	Scira Offshore Energy Ltd	27 Sep 2007	<a href="#">Download</a>
Teeside	3	1.5km NE Teesmouth	27	EdF ER	1 Aug 2013	<a href="#">Download</a>
Thanet	3	11km Foreness Point	100	Vatenfall	23 Sept 2010	<a href="#">Download</a>
Walney 1 & 2	5	14km Walney Island	102	DONG Energy / SSE (+ prtncrs)	9 Jan 2012	<a href="#">Download</a>
West of Duddon Sands	5	14km Walney Island	108	Scottish Power / DONG Energy	30 Oct 2014	<a href="#">Download</a>
Westermost Rough	3	25km north of Spurn P	35	DONG Energy	26 Mar 2015	<a href="#">Download</a>

### National Awareness Charts

Chart	Link
North West Approaches & North Sea North	<a href="#">Download</a>
North Sea Central	<a href="#">Download</a>
North Sea South	<a href="#">Download</a>
English Channel	<a href="#">Download</a>
South Western Approaches	<a href="#">Download</a>
Irish Sea	<a href="#">Download</a>

### National Fishing Plotter Files

File	Link
Kingfisher Fishing Plotter Files – KIS-ORCA January 2016 (Subsea Cables and Wind Farms)	<a href="#">Download</a>