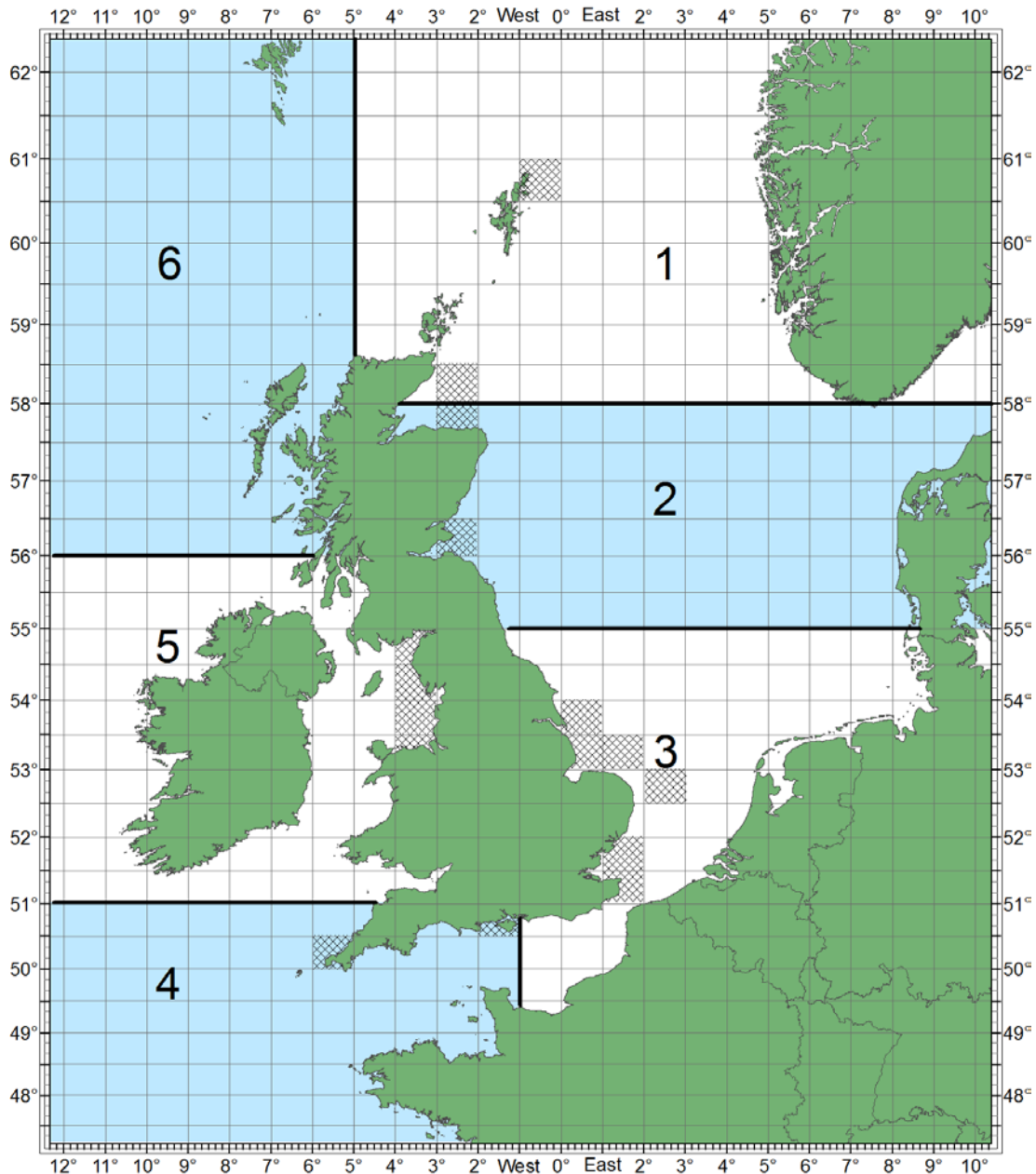


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The shaded blocks below indicate the areas of activity published within this Bulletin.



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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

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Area 1

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

First Published: 01 July 2014 | **Latest Update: 28 August 2014**

Moray Offshore Renewables Limited – Met Mast Works

Please be advised that Drace Infraestructuras UK Ltd is undertaking seabed preparation work for the installation of a meteorological mast for the Moray Offshore Renewables Limited (MORL) offshore wind farms. This work is being undertaken in support of the development of The Crown Estate Round 3 Zone 1 offshore wind licensing on the outer Moray Firth off the East coast of Scotland.



The Works

The installation of the MORL met mast is expected to be done between 29 August – 17 October 2014. The works will be done in several phases. The first phase will be to install a concrete gravity base substructure by floating it to site and then submerging it. This work is expected to commence on 29 August at the earliest, is expected to take about one week (subject to suitable weather conditions) and will involve six vessels:

Einar – MLNA6; Erlend – MLQF5; Harald – MQJQ4; Sea Ferret – 2DTH4, Strathdon – 2AGW8, Forth Joustier – 2BME4

The base will be positioned on the already completed subsea embankment

Corner No	LAT	LONG
1	58°10.808'N	002°49.283'W
2 (North Corner)	58°10.827'N	002°49.319'W
3	58°10.809'N	002°49.353'W
4	58°10.790'N	002°49.318'W

A surface marker navigation buoy has been positioned at a point 300m north of the northernmost corner of the embankment (i.e. 300m north of Corner 2) at 58°11.108'N 24°49.211'W. The navigation buoy lighting is configured as a Special Mark (flashing yellow, 1 flash every 5 seconds, nominal range 5 nm visibility).

For further information, please contact: John Yorston, Moray Offshore Renewables, Tel: 0131 5567602 / 07557635095 email: john.yorston@edr.com
Vessel contact Details: Bridge – 077920024164 email: orcadia@scotmarine.net Bridge +31 88 8263825 email: Nordnes.ocm@vanoord.com

First Published: 31 July 2014 | **Latest Update: 31 July 2014**

Beatrice Offshore Windfarm Limited – Survey Activities

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

Company, Vessel & Call Sign	Area Covered	Start Timeframe & Duration	Area
Brown & May MV Antaries BF27 ZNOV6 FV Pleiades BF155 2BSR7	1. 58°39.058'N 003°20.673'W 2. 58°38.936'N 002°11.958'W 3. 58°03.124'N 002°12.977'W 4. 58°03.127'N 003°20.326'W	4 th August 2014 For 8 Weeks	

For further information, please contact: marc Browns, Brown & May Marine Ltd, Tel: 07880180652 email: marc.browne@sserenewables.com

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Area 2

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

First Published: 18 June 2014 | **Latest Update: 28 August 2014**

Neart na Gaoithe Offshore Wind Farm and Cable Route – Geophysical Survey

Please note a geophysical survey is to be carried out at the proposed Neart na Gaoithe Offshore Wind Farm and cable route. The cable route survey is taking place within a 150m corridor either side of the cable route, i.e. 300m total survey corridor width, and is located in very shallow water within 1.5 km of Thorntonloch beach.



The vessels carrying out the geophysical investigations are yet to be confirmed. The surveys are expected to commence on the 8th September 2014 at the earliest and be completed within approximately 14 days (weather dependent).

Wind Farm Site FID:

1. 56°15.271'N 002°09.898'W	5. 56°15.479'N 002°19.628'W	9. 56°20.312'N 002°16.518'W
2. 56°12.721'N 002°09.255'W	6. 56°15.827'N 002°20.055'W	10. 56°20.171'N 002°14.910'W
3. 56°12.752'N 002°13.998'W	7. 56°17.430'N 002°20.232'W	
4. 56°12.766'N 002°16.293'W	8. 56°19.752'N 002°17.826'W	

Cable Route Coordinates:

1. 55°57.665'N 002°23.641'W	2. 55°57.800'N 002°22.600'W	3. 55°58.007'N 002°22.548'W
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For further information, please contact: Rosie Scurr. Tel: +44 (0)141 206 3864 or +44 (0)7967445717 Email: rosie.scurr@mainstreammp.com

First Published: 16 July 2014 | **Latest Update: 28 August 2014**

Neart na Gaoithe Offshore Wind Farm – Geotechnical Survey

Please note a geotechnical borehole survey is underway at the proposed Neart na Gaoithe Offshore Wind Farm.

The geotechnical investigations commenced on the following dates, with the following vessels: the MV Fugro Commander on the 4th August 2014, and the MV Highland Eagle on the 8th August 2104. The survey is expected to be completed by, approximately the 30th September 2014.



Wind Farm Site FID:

56°15.271'N 002°09.898'W	56°15.479'N 002°19.628'W	56°20.312'N 002°16.518'W
56°12.721'N 002°09.255'W	56°15.827'N 002°20.055'W	56°20.171'N 002°14.910'W
56°12.752'N 002°13.998'W	56°17.430'N 002°20.232'W	
56°12.766'N 002°16.293'W	56°19.752'N 002°17.826'W	

For further information, please contact: Rosie Scurr. Tel: +44 (0)141 206 3864 or +44 (0)7967445717 Email: rosie.scurr@mainstreammp.com

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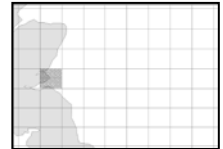
Area 2

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

First Published: 13 December 2013 | **Latest Update: 28 August 2014**

Neart na Gaoithe Offshore Wind Farm – Metocean Buoy Deployment

On the 20th April 2014, Neart na Gaoithe Offshore Wind Limited deployed two metocean buoys at their offshore Wind Farm site approximately 21km east of the Fife coast. Please find location details below. The buoys measure (1) wind speed and direction and (2) waves and currents; both buoys are deployed alongside each other.



Both buoys are painted to IALA standard, have an amber navigation light set to flash 5 times at 1Hz every 20 seconds.

Buoy (1) is moored using two delta flipper anchors with riser chains (max. 250m each). There are two pennant buoys floating on the surface above each of the two seabed anchors associated with the buoy. The pennant buoys are yellow, 1m long, diameter of 0.5m and are unlit. They are attached to the anchors by steel wire. Buoy (2) is moored via a single bungee line.

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

- (1) 56°15.762'N 02°15.011'W – 92m drift radius (anchors marked with pennant buoys at 56°15.875'N 02°15.032'W and 56°15.654'N 02°15.029'W)
- (2) 56°15.766'N 02°15.203'W – 82m drift radius

Please note requirement for wide berth when passing buoys detailed below due to their large excursion as a result of their mooring configurations.

The buoys were deployed on 20th April 2014 and are expected to stay in place for up to 12 months (until approx. 20th April 2015).

For further information, please contact: Keith Harsham, Tel: +44(0)20 77765515 Mob +44(0)7876454649
email: Keith.Harsham@mainstreamrp.com

First Published: 20 May 2014 | **Latest Update: 16 July 2014**

Outer Moray Firth – Survey Activities

Mariners are advised that Calegeo will be carrying out geotechnical survey operations on behalf of Moray Offshore Renewables Limited (MORL) in the outer Moray Firth, as part of the Moray OWF project.

Company, Vessel & Call Sign	Area Covered	Start Timeframe & Duration	Area
Calegeo Great Ship Manisha (Call Sign: 9V7823)	1. 58°06.543'N 002°41.888'W 2. 58°03.946'N 002°54.796'W 3. 58°05.943'N 002°51.407'W 4. 58°08.329'N 002°50.026'W 5. 58°10.782'N 002°50.612'W 6. 58°12.605'N 002°52.379'W 7. 58°16.609'N 002°46.348'W 8. 58°19.378'N 002°44.296'W 9. 58°13.141'N 002°34.265'W 10. 58°08.080'N 002°34.184'W 11. 58°06.543'N 002°41.888'W	14 July 2014 For 30 Days	

For further information, please contact: Carlos Alvarenga, Calegeo, Tel: +44(0) 1508 521 200 email: carlos.alvarenga@calegeo.com

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Area 2

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

First Published: 01 July 2014 | **Latest Update: 12 August 2014**

Inch Cape Offshore Limited – Met Mast Works

Please be advised that Drace Infraestructuras UK Ltd is undertaking, on behalf of Inch Cape Offshore Limited, seabed preparation work for installation of a met mast.



The Works

Marker Buoy

The installation of a marker buoy was undertaken in July 2014 and will be in place until further notice. The marker buoy lighting is configured as a Special Mark (flashing yellow, 1 flash every 5 s, nominal range 5nm visibility).

	<i>LAT</i>	<i>LONG</i>
Deployment Site	56°26.588'N	02°14.477'W

Bathymetry survey & Subsea Berm Construction

Prior to the embankment construction a bathymetry survey is going to be carried out by the NORDES. A bedding and levelling layer embankment is to be installed by the deposition of quarry run aggregate material. The dimensions of the embankment will be 68.52m x 69.8m x 2.0m (top at -47 m LAT). Prior to the commencement of these works a surface marker navigation buoy is to be positioned at a point 300 m grid North of the Northernmost corner of the embankment (i.e. 300 m North of Corner 3).

<i>Corner No</i>	<i>LAT</i>	<i>LONG</i>
1	56°26.408'N	002°14.527'W
2	56°26.426'N	002°14.480'W
3	56°26.400'N	002°14.450'W
4	56°26.383'N	002°14.497'W

The details of the vessel carrying out the work are: Nordnes Call Sign: PHOG

Construction of the berm will begin at the earliest on 4th August 2014 and continue for a period of approximately 20 days. As vessel details provided.

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

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Area 3

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

First Published: 14 August 2013 | **Latest New: 28 August 2014**

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.



Boulder Removal Phase 3:

Atlantic Explorer: The Boulder removal operation has now been completed.

Array Cable Installation

Atlantic Carrier: Next cables to be installed C07-C06, C08-C07, C09-C08, E06-D05

Siddis Mariner: Vessel will be assisting with cable lay operations. Next cables to be installed C11-D11, C09-C10, D11-C11.

Fugro Saltire: Next cables to be installed A06-A05, C05-D06, D07-D08. Whalsa Lass: AHT for carrier

Project Wave Riders

Tri-axe has been recovered for repairs and will be redeployed in the same position this week.

	LAT	LONG
Eon Tri-axe Wave Rider	53°38.788'N	00°18.023'E
Eon Data-well Wave Rider	53°38.199'N	00°15.846'E

Important Locations:

	Characteristics	Lat	Long
Met Mast		53°38.237'N	00°15.730'E
West Cardinal Lighted Buoy (N)	V Q (9) 10s	53°39.900'N	00°14.200'E
West Cardinal Lighted Buoy (S)	Q (9) 15s	53°37.000'N	00°15.600'E
South Cardinal Lighted Buoy	Q (6) + LFI 15s	53°36.500'N	00°17.400'E
East Cardinal Lighted Buoy (S)	Q (3) 10s	53°38.400'N	00°20.100'E
East Cardinal Lighted Buoy (N)	V Q (3) 5s	53°40.300'N	00°20.100'E
Wave rider No 1		53°39.930'N	00°18.160'E

Wet Storage of Anchors

Currently 6 anchors set for Array Cable Installation around C06. A 500m exclusion zone is in place around this location. These anchors will move as Array Cables are installed.

Export Cable End Markers (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. *North End Cable buoy has come adrift and will not be replaced

	LAT	LONG
*North End Cable	53°39.248'N	00°15.181'E
South End Cable	53°39.280'N	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

First Published: 14 August 2014 | **Latest Update: 28 August 2014**

Sheringham Shoal Wind Farm – Removal of Temporary Navigation Aids

Trinity House will be removing Sheringham Shoal's temporary navigation aids with the use of the THV Galatea between the 29th August and 1st September 2014. The operation will only be done during daylight hours and should only take two days.



The exact days of operation will depend upon the weather conditions.

For further information, please contact: Thomas James, Statkraft, Tel: +44 (0)7557 973 239 email: Tom.james@statkraft.com

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Area 3

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

First Published: 08 April 2014 | **Latest Update: 28 August 2014**

London Array Wind Farm – Diving and Construction Works

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



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

- Safety Exclusion Zones remain in operation for March 2014 through to November 2014. This means an enforceable 50m safety zones from each turbine and 500m safety zones from a construction vessel will be in operation for this period.
- Between October 2013 and November 2014 an advisory 100m safety zone should be observed around each turbine and offshore substation due to the risk of exposures of array cable ends at foundations whilst remedial works are on-going.
- Cable reburial is required at the following locations and as such these areas should be avoided in totality.

Location	Coordinates	Length of Exposure	Location	Coordinates	Length of Exposure
Location 1	51°35.149'N 001°27.963'E	20m	Location 5	51°37.698'N 001°28.651'E	6m
Location 2	51°35.447'N 001°31.478'E	8m	Location 6	51°41.232'N 001°29.899'E	5m
Location 3	51°36.653'N 001°26.513'E	7m	Location 7	Start: 51°37.954'N 001°26.029'E End: 51°38.412'N 001°25.904'E	926m
Location 4	51°38.153'N 001°26.331'E	5m	Location 8	Start: 51°41.429'N 001°30.862'E End: 51°41.115'N 001°30.397'E	865m

- Care should be taken within the wind farm site to avoid snagging array cables. Although not expected, natural seabed variation may reduce the depth of burial over buried cables without London Array's immediate knowledge.
- Snagging cables not only poses a risk to health and safety but could also cause a serious risk of damage to wind farm assets.

For further information, please contact: Email: londonarraytraffic@dongenergy.dk, Tel: +44(0)7909414690 or +45 31727585

First Published: 27 June 2012 | **Latest Update: 22 August 2014**

Lincs Offshore Wind Farm – Aids to Navigation Outage

Lincs and LID Offshore Wind Farms wish to advise mariners that diving inspections on the wind turbine foundations will be taking place at specific wind turbine locations.

The dive support vessel "Rix Lion" will be operating in and around the Lincs and LID sites from 27th August to 3rd October 2014.



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: Angela Wilcock, RSS Marine, Tel: 0723 893930 email: awilcock@dsmi.co.uk

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Area 3


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

First Published: 14 August 2014 | **Latest Update: 20 August 2014**

Race Bank Offshore Wind Farm – Survey Activities

There is a court order prohibiting fishing in this area from 00:01 hours on the 15th August 2014 to 24:00 hours 22nd October 2014.
For more information please contact the undersigned.

DONG Energy wishes to make all mariners aware that geophysical investigations The objectives of the survey are to acquire high quality geophysical data for the interpretation of: Geological layers (including marine sediments, glacial units, and sedimentary bedrock) in the area and structural elements to a depth of 75 m below seabed. Accurate bathymetry. The survey will necessitate the deployment of sub surface equipment which will be towed at various depths from the surface to 5m above seabed. Mariners are strongly advised to give a minimum of 250m clearance from the barge at all times. A Fisheries Liaison Representative (FLR) will be on board the vessel at all times.

Company, Vessel & Call Sign	Area Covered		Start Timeframe & Duration	Area
Dong Energy MV IceBeam SFKH	1. 53° 21.631' N 0° 46.270' E	18. 53° 11.993' N 0° 52.260' E	21 st August 2014 Until 15 th September 2014 For 8 Weeks	
	2. 53° 21.648' N 0° 47.174' E	19. 53° 13.575' N 0° 47.391' E		
	3. 53° 21.678' N 0° 49.458' E	20. 53° 14.006' N 0° 46.721' E		
	4. 53° 21.620' N 0° 49.943' E	21. 53° 14.557' N 0° 46.377' E		
	5. 53° 21.401' N 0° 50.680' E	22. 53° 15.357' N 0° 46.364' E		
	6. 53° 21.053' N 0° 51.260' E	23. 53° 15.468' N 0° 45.769' E		
	7. 53° 20.705' N 0° 51.569' E	24. 53° 15.742' N 0° 45.088' E		
	8. 53° 18.563' N 0° 52.503' E	25. 53° 16.133' N 0° 44.589' E		
	9. 53° 16.999' N 0° 57.330' E	26. 53° 16.677' N 0° 44.295' E		
	10. 53° 16.748' N 0° 57.836' E	27. 53° 17.048' N 0° 43.897' E		
	11. 53° 16.153' N 0° 58.404' E	28. 53° 17.523' N 0° 43.686' E		
	12. 53° 15.763' N 0° 58.508' E	29. 53° 20.271' N 0° 43.842' E		
	13. 53° 15.276' N 0° 58.398' E	30. 53° 20.835' N 0° 44.128' E		
	14. 53° 12.671' N 0° 56.109' E	31. 53° 21.155' N 0° 44.512' E		
	15. 53° 12.121' N 0° 55.463' E	32. 53° 21.498' N 0° 45.313' E		
	16. 53° 11.780' N 0° 54.472' E	33. 53° 21.631' N 0° 46.270' E		

For further information, please contact: Nigel Proctor, Marine Projects Manager, Tel: 01964 624423 email: n.proctor@precisionmarine.co.uk

First Published: 14 August 2014 | **Latest New: 14 August 2014**

Greater Gabbard Offshore Wind Farm – Gabbard Mattresses Work

Please be advised that work regarding the Greater Gabbard offshore wind farm mattress protection installation along the export cable.

Approximate Coordinates:

Start	End
52°09.330'N 01°42.190'E	52°09.349'N 01°42.176'E

This is due to start 15th August 2014, using the following vessels:

- Suffolk Spirit: Coastal Worker Call Sign: PHLC : Will Supply: Maggie M Call Sign: 2APP2

For further information, please contact: Courtney French, Brown & May Marine Ltd, Tel: 01379 872145 email: Courtney@brownmay.com

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Area 3

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

First Published: 14 August 2014 | **Latest New: 14 August 2014**

Greater Gabbard Offshore Wind Farm – Wind Turbine Operations

The Jack-up Barge operations will commence on Friday 22nd August 2014 on the Greater Gabbard offshore windfarm. The work is expected to last until Monday 22nd September 2014. The following wind turbines and co-ordinates are where the operations will take place.



Turbine	Co-ordinates
GAD06	51°46.014'N 01°57.881'E
IGC-01	51°58.062'N 01°54.496'E
IGH-06	51°55.555'N 01°57.801'E

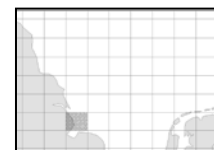
A 500 meters exclusion zone will be in force around the Jack-up barge Seajacks Leviathan Call Sign: 3ESC6 at all times, If you need to approach the barge please contact them on VHF ch16.

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

First Published: 31 July 2013 | **Latest New: 31 July 2014**

Race Bank Offshore Wind Farm – Extinguished Aids to Navigation

Please be advised that Dong wishes to make all mariners aware that the two lighted beacons on the platform of the former Race Bank Met Mast Are extinguished.



Additional caution should be exercised when in the vicinity of this platform. DONG Energy expects to repair or replace the AtoNs as soon as possible. A guard vessel will be mobilized to the vicinity of the platform as soon as practicable.

Mariners are strongly advised to give the platforms a wide berth of at least 250m.

	LAT	LONG
Race Bank met mast platform	53°18.820'N	00°44.850'E

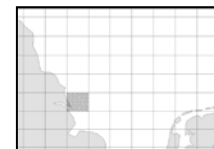
For further information, please contact: Nigel Proctor, Marine Projects Manager, Tel: 01964 624423 email: n.proctor@precisionmarine.co.uk

First Published: 31 July 2014 | **Latest Update: 31 July 2014**

National Grid Carbon Limited – Capturing carbon dioxide in the Yorkshire and Humber Region Section 56–Planning Act 2008 Regulation 9

Regulation 9, The Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009

Notice is hereby given that the Secretary of State has accepted an application ("the Application") made to him by National Grid Carbon Limited ("National Grid") of 1-3 Strand London WC2N 5EH for a Development Consent Order ("DCO") under the Planning Act 2008. The Application was submitted by National Grid to the Secretary of State, c/o The Planning Inspectorate ("PINS"), on 18 June 2014 and was accepted on 16 July 2014. The PINS application reference number is EN070001.



The Application relates to a cross country pipeline for the transportation of captured carbon dioxide and associated development in the Yorkshire and Humber region from a point near Drax in North Yorkshire to a point near Barnston on the Holderness Coast in East Riding of Yorkshire.

The project includes work in the intertidal zone and will connect to an offshore pipeline which is to be consented under a separate planning regime at a later date.

The full notice can be viewed at:

http://nationalgrid.opendebate.co.uk/files/REG_9_NG_CCS_SOCC_S56_Public_Notice_340mmx265mm_HR_Reg.9.pdf

For further information, please contact: Jack Organ, Camargue, Tel: +44(0)20 7636 7366 email: jorgan@camarquepr.com

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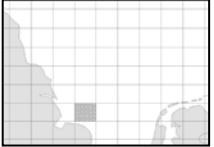
Area 3

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

First Published: 16 July 2014 | **Latest Update: 16 July 2014**

Dudgeon Offshore Windfarm – Benthic Ecology Survey

A benthic ecology survey will be undertaken on board the survey vessel MV Ocean Dawn. The vessel will deploy a benthic grab sampler and drop down video directly to the seabed from the stern of the vessel. In addition, a 2m beam trawl will be deployed at selected locations and will be towed for a distance of approximately 500m on the seabed at up to ten locations.


Company, Vessel & Call Sign	Area Covered		Start Timeframe & Duration	Area
Fugro EMU Ltd MV Ocean Dawn Call Sign: HP3209	52°58.016'N 001°07.303'E 53°20.842'N 001°18.758'E 53°18.250'N 001°28.771'E	53°12.700'N 001°28.556'E 53°02.670'N 001°18.700'E 52°57.422'N 001°10.342'E	11/08/2014 – 11/09/2014 For 5 Days	

For further information, please contact: Jo Weir, Fugro, Tel: 02392 205543 email: jo.weir@fugroemu.com

First Published: 16 July 2014 | **Latest Update: 16 July 2014**

East Anglia Offshore Windfarm – Survey Activities

East Anglia Offshore Wind Ltd has contracted Fugro to carry out geotechnical and geophysical site investigation for the proposed East Anglia One Windfarm site and Export Cable route Corridor.

Company, Vessel & Call Sign	Area Covered		Start Timeframe & Duration	Area
Fugro MV Aurelia – 9HF18 MV Gargano-VSMW5 MV Markab – HO2743	52°24.953'N 002°34.462'E 52°17.647'N 002°20.797'E 52°04.541'N 002°27.835'E	52°04.706'N 002°31.076'E 52°07.014'N 002°32.749'E	16 July 2014 For 4 Months	

For further information, please contact: Vicki Griffiths, Fugro, Tel: +44(0)1491 820696 email: v.griffiths@fugro.co.uk

Offshore Wind and Marine Renewables

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Area 4

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

First Published: 20 May 2014 | **Latest Update: 24 July 2014**

North Cornwall – Wave Hub

Please be advised that Seatricity have completed the installation and commissioning of their Oceanus 2 wave energy device.

Working Area	Position
SW Corner Berth 1	50°20.759'N 005°36.693'W
NW Corner Berth 1	50°21.025'N 005°36.760'W
NE Corner Berth 1	50°21.068'N 005°36.343'W
SE Corner Berth 1	50°20.801'N 005°36.277'W
Oceanus 2 Target Position	50°20.834'N 005°36.651'W
Wave rider Buoy Target Position	50°20.966'N 005°36.650'W



The trials are planned for up to one year ending May 19th 2015.

Mariners should exercise caution when navigating in the vicinity:

- Vessels should not attempt approach the device (<500m) and could risk collision/entanglement within 50m due to submerged aluminium buoyancy on the positional mooring lines and in rough seas the device may even submerge at times.
- The Seatricity working area and site is defined as follows and it is requested that mariners give this area a wide berth (>300m) during ongoing operations in support of the trials:

For further information, please contact: David Stoddart-Scott, Seatricity Ltd, Tel: 07976593775 email: david.stoddardscott@seatricity.net

First Published: 18 June 2014 | **Latest Update: 16 July 2014**

Navitus Bay Wind Park – Survey Activities

Please be advised that Horizon Geosciences will be performing site investigation works on behalf of Navitus Bay Development Limited

Company, Vessel & Call Sign	Area Covered	Start Timeframe & Duration	Area
Horizon Geosciences Horizon Geobay (Call Sign: 3ETG2)	1. 50°33.897'N 001°43.879'W 2. 50°33.882'N 001°42.484'W 3. 50°32.985'N 001°40.786'W 4. 50°24.881'N 001°40.277'W 5. 50°23.605'N 001°50.335'W 6. 50°28.024'N 001°51.276'W	19 July 2014 For 6 Weeks	

For further information, please contact: Horizon Geosciences Tel: +44(0)117 329 1080 email: enquiries@horizon-geosciences.com

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

First Published: 29 June 2012 | **Latest Update: 28 August 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 Rhyl Flats offshore wind farms. The consented site covers an area of 124km². The water depth ranges from 12m to 28m LAT.



Wind Farm Construction Status

- **Monopiles:** 160 installed. Monopile installation is complete.
- **Transition pieces:** 160 installed. Transition piece installation is complete
- **Export cables:** 4 export cables installed; installation is complete.
- **Array cables:** 128 array cables installed, 33 remaining.
- **Array strings:** 12 array strings installed, 4 remaining.
- **Wind Turbine Generators:** 160 installed, 0 remaining.

Work planned for next 7 days

- Wind Solution will remain at anchor position to the south of Gwynt y Môr, sailing into Liverpool for shelter as required
- Gardian 10, Abersoch Bay, Porth Eilian, Chinook, Scirocco, Gardian, EMS Viking, Santa Ana, Sea Storm, Bayard 2 and Bayard 5 will be utilised as Crew Transfer Vessels when required sailing from Canada Dock 3 and Liverpool Marina.
- Penrhyn Bay, Gaillion, Caernarfon Bay, Gardian 2, Icení Defiant, Adventure, Kinmel Bay, Buzzard, Captain P, Aberdaron Bay, Icení Victory, Gardian 14, NSL Discovery and Kitty Petra will sail from the Port of Mostyn as required.
- Abersoch Bay & Tremadoc Bay are on 24 hour cover and being utilised by the Emergency Rescue Team sailing from RWE Pontoon Birkenhead.
- Isadale will continue performing guard duties and will be used as the Marine Mammal Observation vessel as and when required.
- Channel Chieftain VII, Cwind Challenger and Cwind Resolution will continue refuelling operations on site based from Mostyn.
- Polar King will continue array cable installation (see notice to mariners here) assisted by CTVs Rix Panther and Rix Tiger.
- Polar Prince will be in dry dock, returning in late July / early August
- DSV Red7 Tonjer will continue with diving operations.
- Sea Comfort, a small accommodation vessel will join the project.

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

[Kingfisher Awareness Flyer: Gwynt Y Mor Offshore Wind Farm](#)

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

First Published: 01 July 2014 | **Latest Update: 28 August 2014**

Burbo Bank 2 Offshore Wind Farm – Geotechnical Ground Investigation

The Geotechnical ground investigation at the proposed Burbo Bank 2 (extension) wind farm is ongoing.

The survey vessel 'Willendeavour' and, dependant on weather and conditions, is expected to run for approx. 4 to 6 weeks and will consist of a series of shallow Vibrocore Holes and Cone Penetration Tests (CPTs) at selected positions in the proposed Wind Farm footprint as well as along the proposed Export Cable Route.



The survey is not expected to interfere with any other vessels but a wide berth, minimum 500 meters, is requested around 'Willendeavour' at all times whenever this vessel is on site as the vessel will be required to remain stationary for long periods while sampling.

'Willendeavour' will keep a listening watch on VHF Channels 16 & 12 and can be contacted for information relating to the vessels movements only.

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

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

First Published: 05 December 2012 | **Latest Update: 28 August 2014**

West of Duddon Sands Offshore Wind Farm – Export Cable Repair

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



The repairs to the damaged West of Duddon Sands export cable in the Lune Deep/Heysham lake area, off Middleton Sands are now complete and the repair barge 'Vetag 8' and accompanying tug support vessels have left the area.

However there remains a section of exposed cable between the two positions below which still require burying and all vessels, and in particular fishing vessels, are requested to note these positions and keep clear, work is in progress which should have the whole section of repaired cable buried by Friday.

The Exposed Cable is in the inter-tidal area out from the landfall position at Middleton Sands between the positions :

54°00.597'N	002°55.477'W
54°00.472'N	002°56.368'W

Construction

All Turbines have been installed.

Boundary of Location Activities:

Latitude	Longitude
54°00.15'N	003°33.52'W
54°01.78'N	003°26.67'W
53°58.35'N	003°22.80'W
53°56.64'N	003°25.37'W
53°56.72'N	003°29.33'W

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

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

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

First Published: 01 July 2014 | **Latest Update: 28 August 2014**

Ormonde Offshore Wind Farm – Maintenance Programme

The maintenance and inspection works at selected Turbine positions at the Ormonde Wind Farm is ongoing.



The Self Propelled Jack-up Barge 'Neptune' is expected to remain on site until early/mid-September and will jack-up at specific Turbines or exit the Wind Farm without prior notification, none of this work is expected to interfere with any other vessel.

A 500 meter Safety Exclusion Zone is requested around 'Neptune' at all times and especially when it can be observed that the vessel is afloat and manoeuvring into position.

'Neptune' will move to a new Turbine position within the Wind Farm or exit without prior notification.

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

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

First Published: 14 August 2014 | **Latest Update: 14 August 2014**

River Mersey off New Brighton – Wave Buoy Deployment

On or around Friday 15th August Fugro EMU Limited intend to deploy a Datawell Wave Buoy to replace the current Directional Wave Rider buoy (DWR) at the mouth of the River Mersey near to New Brighton and located at the following position :

53°26.550'N 03°02.010'W



All mariners are requested to note this position and enter it on your charts/plotters and keep clear, at least 200 meters

The Datawell Wave Buoy is 0.9m in diameter and painted in high visibility yellow paint and will have a flashing LED light on top of the transmitter aerial (flashing 5 times every 20 seconds). In addition, the buoy will be equipped with radar reflectors.

The Datawell Wave Buoy will replace the current buoy which has been on station for the last 12 months and the intention is for the new Buoy to remain on station for at least a further 12 months

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

First Published: 16 July 2014 | **Latest Update: 13 August 2014**

Walney 3 Offshore Wind Farm – Geotechnical Ground Investigation Seabed Hazard

The Guard Vessel 'Northern Venture' is now on site at the proposed Walney 3 (Extension) Wind Farm Site.

'Northern Venture' will remain on site until the weather and conditions moderate sufficiently for the Crane Ship 'Lara-1' currently in Liverpool, to arrive on site and recover the Seabed Drilling Frame from position :

	LAT	LONG
Seabed Drilling Frame	54°05.774'N	03°45.411'W



The section of Drill Pipe has been recovered.

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

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

First Published: 31 July 2014 | **Latest Update: 31 July 2014**

North Wales Demonstration Zone – West Of Anglesey

Bangor University proposes the following cruise activities to include the North Wales Demonstration Zone, west of Anglesey. Shoreward of 04°47.450'W, south and north of 53°17.933'N and 53°12.767'N, respectively.

Wave buoy deployment: A wave buoy will be deployed at approx. 04°39.450'W 53°12.867'N. This will make up part of the Wavenet wave buoy network and will be deployed indefinitely.

ADCP deployment: 3 trawl-proof, bottom mounted ADCPs are to be deployed within the Demonstration Zone.

Approximate co-ordinates are: 04°42.600'W 53°13.683'N, 04°44.333'W 53°16.900'N and 04°43.917'W 53°15.033'N. Estimated deployment length of 2 months.

Sediment grab sampling:

A number of sediment grab samples will be taken using a ShipecK grab sampler, shoreward of the 20 m depth contour, between 04°34.627'W 53°12.987'N and 04°41.089'W and 53°17.794'N. Further grab samples will be taken within the North Wales Demonstration Zone.

Multibeam: multibeam surveying within the entire cruise location.

Cruise Dates: 11th - 15th August 2014: Vessel to be used: RV Prince Madog

For further information, please contact: Sophie Ward, SEACAMS, Tel: 44 (0)1248 383978 email: sophie.ward@bangor.ac.uk



First Published: 19 November 2013 | **Latest Update: 30 July 2014**

Robin Rigg Offshore Wind Farm – Return of Power

Part of the current Maintenance Programme at the ROBIN RIGG WIND FARM will involve some High Voltage maintenance on the Eastern section of the WIND FARM.

Return of power

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

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

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



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

First Published: 16 July 2014 | **Latest Update: 16 July 2014**

Welsh Coast Llyn Peninsula – Deployment Operations

Bangor University proposes to deploy two bottom mounted ADCP devices in trawl proof frames (requiring no surface markers or beacons) at the following approximate locations:

52°47.851'N 004°46.937'W
52°44.970'N 004°43.488'W

To conduct ship mounted ADCP and multibeam bathymetric studies of the approximate area.

Deployment Dates: 21st - 25th July 2014: Vessel to be used: RV Prince Madog: Recovery Dates: 25th September 2014

For further information, please contact: Marco Piano, SEACAMS, Tel: +44 (0) 1248 383978 email: ucs409@bangor.ac.uk

