

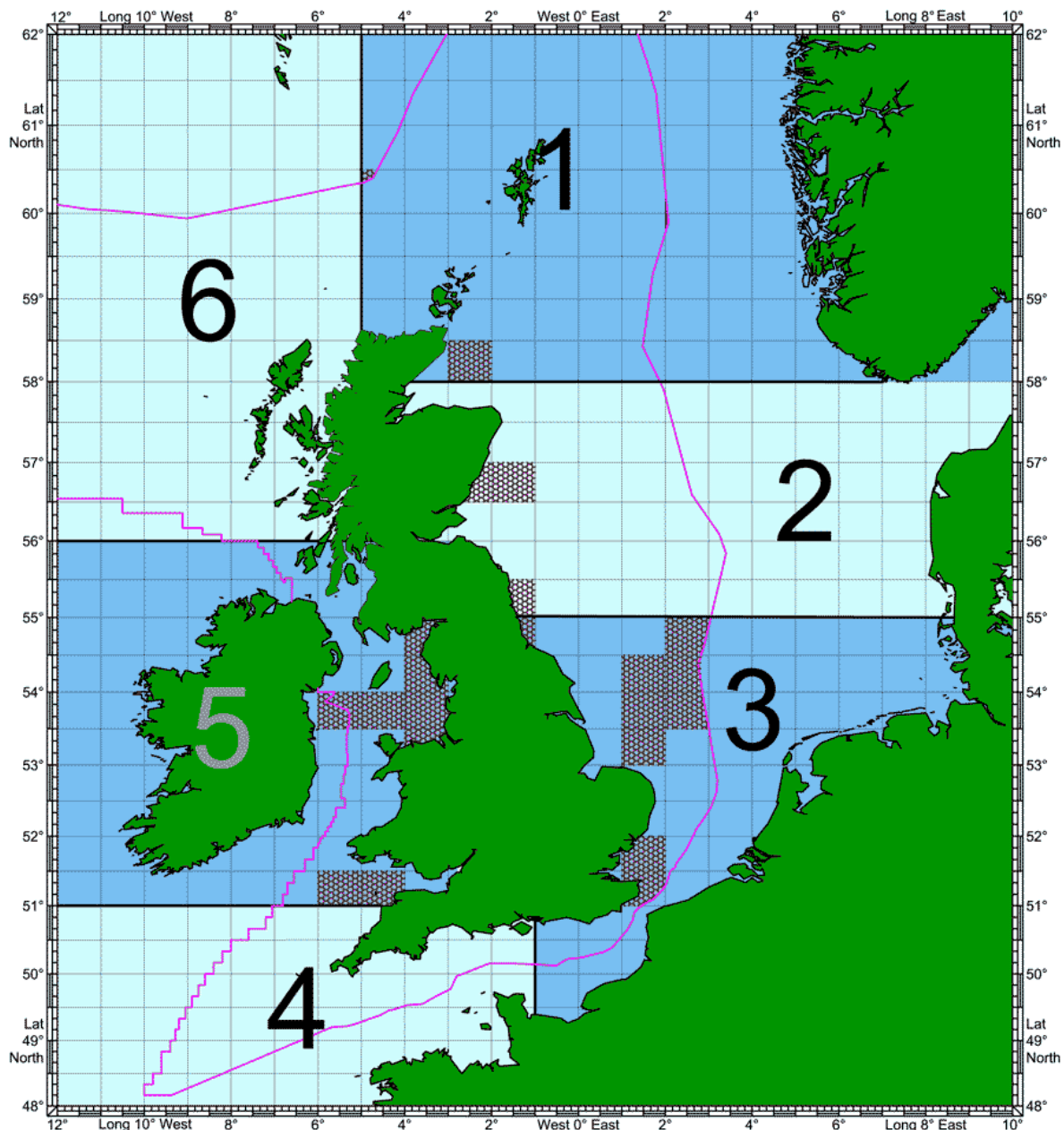


Offshore Wind and Marine Renewables

6th January 2011

Issue 01 / 2011

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



This Bulletin, along with previous issues, can be viewed at: www.kingfishercharts.org.
Alternatively you can receive the Bulletin via email, by contacting: kingfisher@seafish.co.uk

* Unless otherwise stated, all co-ordinates listed in this Bulletin refer to WGS84 datum

Area 1
Page 2

Area 2
Page 3

Area 3
Pages 4 - 5

Area 4
-

Area 5
Pages 6 - 8

Area 6
-



Offshore Wind and Marine Renewables

6th January 2011

Issue 01 / 2011

Moray Offshore Renewables Ltd – Survey Activity (Update 21-12-2010)

Company, Vessel & Call Sign	Towing Cable Length & Submerged Depth	Area Covered	Start Timeframe & Duration
Fugro Geoconsulting MV Gargano Call Sign: VSMW5 Mob: +44 7789 178 336		58° 16.483'N 002°38.900'W 58° 16.483'N 002°37.600'W 58° 16.150'N 002°38.900'W	6 th January 2011 For 2-5 days.

For further information, please contact: David Williams / Rosie Spurrier, Fugro Geoconsulting Ltd, Tel: 01491 820 800

Area 1

Area 1

Area 1

Area 1

Area 1



Offshore Wind and Marine Renewables

6th January 2011

Issue 01 / 2011

Blyth Offshore Wind Farm – Survey / Deployment of Buoys (Update 09-12-2010)

Following requests by local fishermen, Narec has moved one Wave Buoy and one DCP closer to the Border King wreck (55°08.89'N 01°17.60'W). The second Wave Buoy has been moved closer to the Quest wreck (55°14.31'N 01°05.72'N). This was due to concerns raised that the previous locations may have caused a potential disruption to fishing. The deployments are due to last approximately 200 days. Servicing of the Waveriders and DCP frames will be performed at approximately 60 day intervals by the vessel "George D".

Gardline Environmental Ltd Oceanography Department, on behalf of Narec, will be undertaking the deployment of two Directional Waverider buoys at the following locations:

1. 55°08.890'N 001°17.597'W
2. 55°14.313'N 001°05.715'W

The buoys are 0.9m in diameter and bright yellow in colour. They will transmit a light sequence as FI Y (5) 20s from a 2m-whip antenna and are each moored using a single-point compliant mooring with a scope of about 200m. An offset pellet buoy may also be present. Avoidance to a range of 500m is requested.

Additionally, the deployment of four Doppler Current Transducers in subsea frames (nominally 1.8m x 1.7m [w x h] and hexagonally shaped) will be undertaken at the following locations:

1. 55°08.948'N 001°28.563'W
2. 55°08.724'N 001°24.737'W
3. 55°11.224'N 001°23.629'W
4. 55°10.505'N 001°18.616'W

Riser buoys will be visible on the surface of the water and are attached to clump weights by ropes. Clump weights are positioned 100m either side of the frame, and are connected by rope. Each frame will have two clump weights and buoys attached, giving a maximum of eight buoys on the surface. Mariners are advised to navigate with caution when transiting the area and to keep well clear of the above buoys at all times.

For further information, please contact: Steven Morgan, National Renewable Energy Centre, Tel: +44 (0) 1670 359 555

Firth of Forth Offshore Wind Farm – Oceanographic Survey (New Entry 19-11-2010)

Seagreen Wind Energy Limited plans to undertake an Oceanographic survey in support of the development of the Firth of Forth Offshore Wind Round 3 Zone off the east coast of Scotland. The proposed locations for the deployment of instrumentation during the survey are shown below:

Location	Approx depth (m)	Lat.	Long.
A	45	56° 39.09'N	01° 59.09'W
B	55	56° 39.56'N	01° 36.33'W
C	55	56° 15.29'N	01° 21.99'W
D	50	56° 20.06'N	01° 46.26'W
E	20	56° 31.69'N	02° 34.16'W
F	20	55° 58.33'N	02° 21.31'W
G	50	56° 16.13'N	02° 07.34'W
H	50	56° 05.72'N	01° 54.58'W

The oceanographic survey instrumentation will be deployed for during the winter season 2010 to 2011, with deployment taking place early December, weather permitting, and recovery during April/May 2011. The survey will be undertaken by The MV Clupea.

For further information, please contact: Nick Brockie, Tel: +44(0) 141 548 5244, Mob: +44(0) 7818 048476, Email: nick.brockie@sse Renewables.com

Area 2

Area 2

Area 2

Area 2

Area 2



Offshore Wind and Marine Renewables

6th January 2011

Issue 01 / 2011

Dogger Bank Offshore Wind Farm – Temporary Re-positioning of Buoy (Update 05-01-2011)

Please note that following an incident where a vessel dragged a deployed buoy off station, mariners are advised of a temporary new position of a Directional Waverider Buoy. The buoy is currently located at 54°52.96'N 002°02.40'E. The buoy will be recovered and redeployed to its correct location (54° 51.90'N 001°59.94'E during January 2011, but in the mean time, please note the new location.

Redeployment operations will take place from the MV Vigilant. The buoy is 0.9m in diameter and is bright yellow in colour. It will transmit a light sequence as Fl Y (5) 20s from a 2m-whip antenna, and is moored on a single-point elasticated mooring with a scope of about 200m. An offset pellet buoy may also be present and avoidance to a range of 500m is requested.

For further information, please contact: Chris Comyn or Greg Brown, Tel: (+44) 01493 845600 email: chris.comyn@gardline.com or greg.brown@gardline.com

Thanet Offshore Windfarm – Construction Activity (Update 03-01-2011)

Work is continuing with the MS Nico and Sia Cable trenching within boundaries of the windfarm, with the M/S Sander performing post laid cable surveys. The Guard boat Our Sarah Jayne is in field and has taken up duties at the export cable joint.

Construction Zone Boundary

Buoy Name	Characteristics	Position
North Thanet	North Cardinal – VQ 5nm	51°28.29'N 01°38.07'E
North East Thanet	North Cardinal – Q 5nm	51°26.89'N 01°40.44'E
East Thanet	East Cardinal – VQ (3) 5secs 5nm	51°24.80'N 01°41.88'E
South Thanet	South Cardinal – VQ (6) + LFI 10secs 5nm	51°23.77'N 01°40.82'E
West Thanet	West Cardinal – VQ (9) 10secs 5nm	51°24.33'N 01°37.12'E
North West Thanet		51°26.80'N 01°33.80'E
Unmarked A		51°27.65'N 01°36.07'E

For further information, please contact: Marine Supervisor, Tel: 01843 572130, Email: marinesupervisor@thanetoffshorewind.com

Hornsea Offshore Wind Farm – Buoys / Survey Activities (Update 09-12-2010)

Vessels will be engaged in the deployment, recovery and maintenance the below detailed buoys. Radar reflectors and an amber navigation lights are set to flash 5 times every 20 seconds. The DWR buoy flashes orange 5 flashes at 1Hz every 20 seconds. The DWR buoy will be moored to the seabed through a series of rubber compliant sections at the sea surface and a stainless steel riser line throughout the water column. The result of this is a large excursion of the buoy on its mooring and a subsequent 250m exclusion zone surrounding the buoy.

Company, Vessel & Call Sign	Towing Cable Length & Submerged Depth	Area Covered			Start Timeframe & Duration			
		Suggested Name	Equipment	Position				
THV Patricia Call Sign: GBTH THV Alert Call Sign: MLPH9 Bridge: 07836235756 SV Atlantic Guardian Call Sign: V3AR3 GSM: 07887713912	N/A	1	Chiswick Field	Metbuoy + AWAC	53° 54.250'N 2° 25.900'E	Locations 1, 2, 3 & 7 June 2010 - June 2011		
		2	Inner Well Bank	Metbuoy + AWAC	53° 52.950'N 1° 59.190'E			
		3	Well Bank Flat	Metbuoy + AWAC	53° 58.200'N 1° 23.580'E			
				4	Windermere Field	Metbuoy + AWAC	53° 54.277'N 2° 39.993'E	Location 4, 5 and 6 September 2010 - February 2011
				5	Off Ground	Metbuoy + AWAC	53° 52.539'N 0° 47.683'E	
				6	Ravenspurn Field	Metbuoy + AWAC	54° 09.584'N 0° 49.345'E	
				7	Outer Well Bank	DWR buoy	54° 10.710'N 1° 55.249'E	

An ecological survey will be undertaken towing a hydrophone astern, on approximately 200m of cable.

Company, Vessel & Call Sign	Towing Cable Length & Submerged Depth	Area Covered				Start Timeframe & Duration
MV Southern Star Call Sign: C6DZ8 Bridge: 00870 773 100035	N/A	1.	54°17.555'N 0°59.998'E	6.	53°37.572'N 2°43.200'E	December 2010 – February 2012
		2.	54°18.619'N 1°15.913'E	7.	53°42.610'N 2°19.168'E	
		3.	54°06.590'N 1°43.228'E	8.	53°44.500'N 1°40.160'E	
		4.	54°06.285'N 2°27.730'E	9.	53°43.707'N 1°14.797'E	
		5.	54°06.285'N 2°46.184'E	10.	53°45.645'N 0°57.186'E	

For further information, please contact: Chris Jenner, Tel: 07889410553, Email: Chris.Jenner@mainstreamrp.com, OR Hornsea Zone Onshore Fisheries Liaison Officer: Nick Garside, NFFO Services Ltd, Tel: 01904 635 432, Email: nick.garside@live.co.uk



Offshore Wind and Marine Renewables

6th January 2011

Issue 01 / 2011

East Anglia Offshore Windfarm – Deployment of Buoys (New Entry 05-12-2010)

Recording oceanographic equipment will be moored at the following locations from the 1st January 2011 to the 1st December 2011. At each site there will be a yellow toroidal shaped guard buoy fitted with a radar reflector and a yellow light exhibiting the sequence FI Y (5) 20s. The Waveriders also have a yellow light exhibiting the same sequence. Data are freely available from the WaveNet website: www.cefas.co.uk/wavenet.

Waverider buoys:

52°44.340'N 02°23.680'E
52°45.810'N 02°58.080'E
52°18.340'N 02°28.300'E

AWAC on sea-bed Landers:

52°18.620'N 02°27.490'E
52°08.550'N 02°30.240'E

For further information, please contact: Cefas, Pakefield Road, Lowestoft, NR33 0HT, Tel: +44 (0) 1502 562244

Sheringham Shoal – Installation / Deployment of Buoys (Update 04-12-2010)

Construction

Mariners are advised VSMC's Jack-Up activities at the two Substation foundations is now planned to start on the 4th December 2010. Jack-up operations will only take place in the designated "No Cable Zone" next to the substation Foundations. Wind Farm Boundary Buoy locations:

- North Cardinal – 53°09.913'N 01°07.686'E (VQ light)
- South Cardinal – 53°06.361'N 01°10.000'E (VQ(6)+L FI 10 sec light)
- East Cardinal – 53° 07.318'N 01°12.287'E (VQ(3) 5 sec light)
- West Cardinal – 53°08.956'N 01°05.413'E (VQ(9) 10 sec)

Pillar buoys (FI Y 2.5 sec light):

- | | |
|----------------------------|----------------------------|
| 1. 53°10.735'N 01°04.249'E | 3. 53°05.530'N 01°13.443'E |
| 2. 53°09.095'N 01°11.123'E | 4. 53°07.179'N 01°06.569'E |

For further information, please contact: Niels Bakker, Van Oord Offshore, Tel: +31 183 642200, Email: nib@vanoord.com

Teesside Offshore Wind Farm – Geotechnical Investigation (Update 04-12-2010)

Please be advised that GeoSea, on behalf of Teesside Wind Farm Ltd is undertaking geotechnical investigation works within the project area of the planned Teesside Offshore Wind Farm. These works are subject to weather conditions and are expected to commence on or around the 4th January 2011 and continue until around the end of January 2011.

Geotechnical investigation from a jack up barge with 24 hour operations and daily crew transfers to and from shore. It is requested that vessels maintain a 250m safe distance. The vessel used will be the Vagant. The area of operations is:

- | | |
|-----------------------------|-----------------------------|
| 1. 54°40.079'N 001°06.669'W | 3. 54°37.852'N 001°05.351'W |
| 2. 54°38.397'N 001°03.110'W | 4. 54°39.118'N 001°07.987'W |

For further information, please contact: Tim Bland, EDF Energy Renewables, Tel: +44(0)191 5206101, Email: tim.bland@edf-er.com

Greater Gabbard Offshore Wind Farm – Installation Activities (Update 03-12-2010)

Heavy lift vessels Sea Jack and Leviathan are installing wind turbine towers and tops The Polar Prince laying inter-array cables in field. Bourbon Enterprise is conducting secondary excavation works, with the cable lay vessel Normand Pioneer commencing cable splice operations during the forthcoming week at location 51°59.70'N 001°56.16'E. The guard vessel Reliance will be standing by on this location.

For further information, please contact: Danbrit Ship Management Ltd, Offshore mobile 07831 705192, Onshore mobile Simon Prince 07920 273866, Simon Calden 07825 382896.

London Array Offshore Wind Farm – Pre-Construction Works (Update 13-09-2010)

Phase one consist of 175 wind turbines, installed on two sandbanks; Long Sand and Kentish Knock and in the Knock Deep channel that lies between, in water depths ranging from 0 to 25 m. Planned work includes survey work for the offshore site and export cable, 3 wave rider buoys and associated guard buoys have been installed at the following locations:

North Falls Wave rider	51°42.500'N 01°51.000'E (FI (5)Y 20s 2nm)	Knock Deep Wave rider buoy	51°37.080'N 01°30.390'E (FI (5) Y 20s 2nm)
North Falls Guard Buoy	51°42.550'N 01°51.070'E (FI (5)Y 20s 2nm)	Knock Deep Guard Buoy	51°37.120'N 01°30.390'E (FI (5) Y 20s 2nm)
North Falls Guard Buoy	51°42.450'N 01°51.070'E (FI (5)Y 20s 2nm)	Knock Deep Guard Buoy	51°37.030'N 01°30.390'E (FI (5) Y 20s 2nm)
North Falls Guard Buoy	51°42.450'N 01°50.930'E (FI (5)Y 20s 2nm)	Fisherman's Gat Wave rider buoy	51°34.650'N 01°23.670'E (FI (5) Y 20s 2nm)
North Falls Guard Buoy	51°42.550'N 01°50.920'E (FI (5)Y 20s 2nm)		

Area 3

Area 3

Area 3

Area 3

Area 3



Offshore Wind and Marine Renewables

6th January 2011

Issue 01 / 2011

Ormonde Offshore Wind Farm – Construction Activities (Update 05-01-2011)

The Cable Lay vessel 'Stemat Spirit' is on stand-by close to the landfall position in preparation for beaching to start the Export Cable Lay. 'Stemat Spirit' will be accompanied by the Aht's 'Neptune 9', 'Mpr1' and 'Mpr2' as well as small support and crew vessels.

As already advertised this Export Cable Route will more or less follow the same route as the Walney Export Cable Route, running from Ormonde along to, and North side of, the Barrow Offshore Wind Farm across Morecambe Flats into Lune Deepes and the Heysham Lake but will then alter to make landfall at Half Moon Bay. Rock Dumping has been carried out on the North and South Morecambe Gas Pipelines where the cable will cross in preparation for the cable lay.

IF ANY FISHERMEN HAVE GEAR DOWN ON, OR CLOSE TO THE EXPORT CABLE ROUTE, YOU ARE ADVISED TO MOVE IT - PLEASE CONTACT TOM WATSON (DETAILS BELOW) IF YOU ARE IN ANY DOUBT.

Piling and Jacket installation operations have completed at all 30 Turbine positions as well as at the Sub-Station position. Each Foundation Jacket is fitted with a solar powered temporary light FI Y 2.5s (visibility approx. 2ml.) All vessels working at this Wind Farm site can be contacted on VHF Channels 16 & 12 for information relating to vessel movements only.

A Kingfisher Flyer of the Ormonde Wind Farm has been produced. This contains all relevant information relating to vessels, positions of structures, buoys and timescale, etc. Please contact Tom Watson to receive a copy.

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

Walney Offshore Wind Farm – Construction Activity (Update 04-01-2011)

Export Cable Lay

The survey vessel 'Line' is conducting a survey of the Export Cable as weather permits.

There is still a section of exposed cable on the seabed in the Barrow outer channel approaches, close to (and to the South of) Lightning Knoll and the Barrow Pilot Boarding Area. The position of the export cable to be rock dumped is: 53°59.28'N 003°13.29'W to 53°59.14'N 003°12.27'W. This section of cable will be Rock Dumped by the Rock Dump Vessel 'MV Seahorse', currently in Stavanger loading for this project. The guard vessel 'Sanrene' has been stood down and has now left the project.

Infield Or Inter-Array Cable Lay

The Cable Barge 'Stemat 82' and the DP vessel 'Normand Mermaid', and their support vessels, are continuing with laying the Inter-Array or Infield Cables and it should be noted that there will be Exposed Cable on the seabed between the Turbine positions within the Wind Farm perimeter from now until you have been informed that all the cables have been safely buried.

Operations to jet down the Infield Cables are being carried out by the Dive Support Vessel 'Vos Sympathy'. The Rock Dumping DP vessel 'Pompei' will continue with Rock Dumping at selected Turbine positions where and when required.

Construction

The Self-Propelled DP Jack-up 'Seajacks Kraken' is currently at Mostyn to load a replacement Turbine Blade and will return to site to engage in regular maintenance work.

Two Dive Support Vessels 'Hbc Performer' and 'Hbc Supporter' are on site and carrying out Diving and other operations at installed positions as required and when weather permits.

A Kingfisher Flyer of the Walney Wind Farm has been produced. This contains all relevant information relating to vessels, positions of structures, buoys and timescale, etc. Please contact Tom Watson to receive a copy.

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

Robin Rigg Offshore Wind Farm – Operations (Update 30-12-2010)

All of the Turbines at the Robin Rigg Wind Farm are operational and switched to automatic.

The current survey / maintenance programme being carried out by the Dive Support vessel 'Terramare 1' is continuing as weather permits. Mariners are requested to keep clear of the Wind Farm during this period and fishermen especially are requested not to set any gear in the vicinity where they can see 'Terramare 1' working.

Continued over page...

Area 5

Area 5

Area 5

Area 5

Area 5



Offshore Wind and Marine Renewables

6th January 2011

Issue 01 / 2011

...continued from previous page

Prior to Diving operations 'Terramare 1' will issue a 'Securite' message on VHF Channel 16 and both vessels can be contacted for information regarding vessel movement only on VHF Channels 16 & 14.

Please note that the wet storage area for anchors is still active. There are 5 anchors buried underneath 2/3 metres of sand within the buoyed area. Please refer to previous issues of the Kingfisher Bulletin for positions.

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

Irish Sea Offshore Wind Farm – Round 3 Survey / Buoys (Update 08-12-2010)

Survey

Mariners are advised that Environmental Surveys (Bird and Marine Mammal) on the Irish Sea Round 3 Offshore Wind Farm Zone are on-going for approximately a further 18 months until February 2012. A survey will be conducted each month for a period of 3-5 days (weather & daylight hour dependent). There may be potentially two surveys in the July 2011 period.

The surveys will comprise of line-transects across the zone in a SW to NE orientation. The vessel conducting the main surveys till March 2011, will be the Prince Madog – Call Sign: ZNLJ5, Sat Phone: 00870 323523411.

Deployment of Buoys

Mariners are advised that the deployment of meteorological oceanographic (metocean) equipment is due to take place within the last two weeks of December. It is requested that all vessels operating in the area please be aware of the devices.

Two wave rider buoy's and Acoustic Doppler Profilers (ADP's) will be deployed at two locations (Locations 1 & 12 below) for a period of 60 days from the deployment date. Deployment of the 4 pieces of equipment will take one to two days to complete. After 60 days the ADP's will be removed and relocated at the remaining pre defined locations given in the table below. A further Notice to Mariners will be issued 10 days prior to each subsequent relocation of the ADP's. The two wave rider buoys will remain at locations 1 & 12 for twelve months.

1. 53°39.563'N 004°52.974'W	6. 53°41.705'N 004°20.744'W	11. 53°55.491'N 004°09.300'W
2. 53°46.034'N 004°49.911'W	7. 53°38.791'N 004°03.158'W	12. 53°49.709'N 004°08.061'W
3. 53°49.788'N 004°39.234'W	8. 53°38.758'N 004°11.390'W	13. 53°53.166'N 004°04.786'W
4. 53°45.092'N 004°27.230'W	9. 53°44.796'N 004°13.527'W	14. 54°01.387'N 004°05.157'W
5. 53°38.829'N 004°27.361'W	10. 53°56.054'N 004°16.490'W	

For further information, please contact: Simon Calden: 07825 382896 or Simon Prince: 07920 273866

Burbo Bank Offshore Wind Farm – Maintenance / Survey Activity (Update 28-11-2010)

A programme of maintenance work for the Burbo Bank Offshore Wind Farm is continuing as weather permits. This programme is being carried out by the self-propelled Jack-up vessel 'Resolution' and all of the work will be carried out within the perimeter of the Wind Farm.

All of the Turbines are operational and switched over to automatic. Any vessel that is engaged in any kind of work at this Wind Farm Site can be contacted on VHF Channels 12 and 16. All activity for this Wind Farm is being conducted from the Siemens Compound in Liverpool.

If anybody requires a copy of the Kingfisher 'Flyer' which shows the Wind Farm position, Turbine locations, Export and Infield or Inter-Array cable routes and Cardinal Buoy positions please contact me.

The Geophysical survey of the proposed extension to the Burbo Bank Wind Farm is now complete, the survey vessel 'MV Confidante' is currently in Liverpool and is de-mobilising from this project. The inshore survey vessel 'Titan Explorer' has also completed the shoal water part of the survey and this vessel has demobilised and left the site.

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

Atlantic Array Offshore Wind Farm – Survey and Moorings (Update 25-11-2010)

Please be advised that GEO will be conducting Geotechnical Investigations across the proposed site of the Atlantic Array Wind Farm, in the outer Bristol Channel, on behalf of RWE npower renewables. The work is ongoing and will run through December. The vessel undertaking the work is the Highland Spirit (Call Sign: MYJD2). Site boundary co-ordinates are as follows:

Continued over page...

Area 5

Area 5

Area 5

Area 5

Area 5



Offshore Wind and Marine Renewables

6th January 2011

Issue 01 / 2011

...continued from previous page

1. 51°27.012'N 004°50.167'W	5. 51°24.628'N 004°11.893'W	9. 51°14.767'N 004°29.176'W	13. 51°18.774'N 004°44.026'W
2. 51°27.256'N 004°36.887'W	6. 51°19.560'N 004°16.695'W	10. 51°16.504'N 004°31.104'W	
3. 51°24.237'N 004°36.213'W	7. 51°19.508'N 004°17.245'W	11. 51°18.913'N 004°35.743'W	
4. 51°23.900'N 004°17.297'W	8. 51°14.864'N 004°24.515'W	12. 51°19.319'N 004°40.941'W	

Please note there are 2 seabed obstructions related to the survey.

- 51°14.847'N 004°29.112'W (~45m water depth LAT) there is approximately 18m pipe lying horizontal on the seabed.
- 51°20.819'N 004°42.616'W (~44m water depth LAT) there is approximately 3.5m of pipe protruding vertically from the seabed. As such this represents a serious snagging risk and should be avoided.

The vessel should be contacted for the latest on the status of both obstructions if you are fishing in the area. This notice will be reissued with any updates on the status of the obstructions

For further information, please contact: Carsten Lejbølle, Tel: +45 4520 4107 or Carsten Bonde, Tel: +45 4520 4135

Moorings

Please be advised that GEMS Survey Limited is conducting on-going deployment/recovery of Metocean equipment in the outer Bristol Channel. Equipment is deployed at three locations (A, B and D) as documented below.

3 x seabed ballast and mooring (Location A)	51° 20.400' N 005° 07.200' W
Wave Buoy (Location B)	51° 22.757' N 004° 40.815' W
Seabed Frame (Location B)	51° 22.817' N 004° 40.783' W
Wave Buoy (Location D)	51° 19.753' N 004° 24.006' W
Seabed Frame (Location D)	51° 19.801' N 004° 24.013' W
Guard buoy (Location D)	51° 19.801' N 004° 23.993' W

The wave buoy at location A has been detached from its mooring on three occasions, leaving three clump weights (500kg chain each) and part of the rope moorings on the seabed. The exact location of the moorings has not been confirmed and no surface buoy is currently present. It is therefore advised that this location is avoided and a wide berth is afforded. There is also one buoy and seabed frame deployed at each of two further locations (B and D). A guard buoy is also present at Site D.

The buoys' moorings are approximately 100m in length meaning the buoys' surface locations may not be representative of the position of the mooring and ballast weight. A wide berth is therefore kindly requested at all times at the deployment locations to prevent potential damage to equipment and vessels.

For further information, please contact: GEMS Survey Limited, Tel: +44 1380 735 200

Barrow Offshore Wind Farm – Operations (Update 22-11-2010)

All of the Turbines at the Barrow Wind Farm are operational and switched to automatic.

The only vessels engaged on any work inside the Wind Farm at this time are small service vessels operating as and when required, depending on weather. These can be contacted on VHF Channels 16 & 12.

If any fishermen have pots set, or are considering setting any pots, within the Wind Farm Perimeter they are advised to make sure that their gear is properly marked and weighted and is clear of any of the Turbines. They are advised to lay their gear up and down the lanes rather than across the Inter-Array or Infield Cables and are advised to use weights rather than anchors.

Any gear found to be inside the 50 metre Advisory Safety Zone will be moved to the shore by the service craft in order to stop it fouling on the J-Tubes or on the underwater fittings of the Turbine.

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

Walney Offshore Wind Farm – Lost Anchor (Update 30-08-2010)

A lost anchor from the Jack-up 'Goliath' is in position: 54°03.49'N 003°30.10'W. This position is inside the Wind Farm perimeter, 313 meters East from the Turbine position B08, and is now buried to a depth of 4 meters.

Fishermen are advised to mark this position on their chart/plotter and keep clear.

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

Area 5

Area 5

Area 5

Area 5

Area 5