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 WGS 84 datum
Exposed Cable Sections – SHEFA – 2 Segment 9

The Shefa-2 Segment9 running between Manse bay, Orkney and Banff, Scotland has suffered from 3 cable breaks in 2013 all caused by fishing activity.

We urgently have to stress that further areas/sections of the SHEFA – 2 Segments 7,8,9 are unburied and therefore exposed.

Exposed Cable Sections – SHEFA – 2 Segment 7,8 & 9

Please be advised that there are sections of the SHEFA-2 cable that have been surface laid or remain unburied. These areas represent a hazard to fishing and should be avoided at all times. SHEFA have commissioned an updated Kingfisher Awareness Chart to highlight these areas, which can be downloaded using the link below.

For a copy of the Kingfisher Awareness Flyer, showing the exposed sections of SHEFA, please contact the undersigned. Alternatively, click on the link below, or visit www.kingfishercharts.org

Kingfisher Awareness Flyer: SHEFA Exposed Sections (December 2013)

For further information, please contact: Tel: +298243602, Email: phv@ft.fo, brr@ft.fo
Exposed Cable Sections – Disused Power Cable

Following a recent bottom survey, an old disused power cable has been found to be positioned to the South / South West of its charted position. The survey has shown the Newbiggin to Marstrand No.1 (UK - Sweden) cable, which runs to the south of the proposed Kookaburra wellhead, has exposed elements. Please exercise caution between the two points below, which mark the end points of the cable.

SW End: 56°29.064'N  00°51.207'E  
NE End: 56°31.209'N  00°55.692'E

For further information, please contact: Kingfisher, using the details in the footer.
Hazardous Condition of Cable – Ulysses South Landing – St Margaret’s Bay

Further to earlier Notices, the Ulysses South submarine cable landing at St Margaret's Bay, near Dover, remains broken at a position: 51°08.70’N 01° 24.06’E

This position lies approximately 1.3km offshore in a water depth of 15 metres. As a result of this fault, the cable at the approaches to St Margaret's Bay has been dragged an indeterminate distance to the north of its as laid route on either side of the fault position. Caution should therefore be exercised in this area until the cable repair operation has been carried out.

For further information, please contact: Tom Manning, Tel: +44 (0)7795 445192, Email: tom.manning@globalmarinesystems.com

Exposed Cable Sections – BritNed Subsea Power Cable

Please be advised that following a recent depth of burial survey, the following sections of the BritNed HVDC Interconnector have been identified as cable exposures:

<table>
<thead>
<tr>
<th>No.</th>
<th>From KP</th>
<th>To KP</th>
<th>Length (meters)</th>
<th>Coordinates (centre points)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>166.3104</td>
<td>166.809</td>
<td>5</td>
<td>51° 49.9192’ N 002° 52.9871’ E</td>
</tr>
<tr>
<td>2</td>
<td>163.725</td>
<td>163.716</td>
<td>5</td>
<td>51° 50.0508’ N 002° 50.2647’ E</td>
</tr>
<tr>
<td>3</td>
<td>163.712</td>
<td>163.698</td>
<td>14</td>
<td>51° 50.0508’ N 002° 50.2647’ E</td>
</tr>
<tr>
<td>4</td>
<td>157.897</td>
<td>157.891</td>
<td>6</td>
<td>51° 49.6704’ N 002° 45.2981’ E</td>
</tr>
<tr>
<td>5</td>
<td>131.431</td>
<td>131.422</td>
<td>9</td>
<td>51° 51.3849’ N 002° 23.4973’ E</td>
</tr>
<tr>
<td>6</td>
<td>132.594</td>
<td>132.589</td>
<td>5</td>
<td>51° 51.6382’ N 002° 25.4193’ E</td>
</tr>
<tr>
<td>7</td>
<td>90.316</td>
<td>90.313</td>
<td>3</td>
<td>51° 40.7143’ N 001° 53.9298’ E</td>
</tr>
<tr>
<td>8</td>
<td>90.408</td>
<td>90.397</td>
<td>11</td>
<td>51° 40.5892’ N 001° 53.5320’ E</td>
</tr>
<tr>
<td>9</td>
<td>73.198</td>
<td>73.385</td>
<td>14</td>
<td>51° 35.4937’ N 001° 41.6457’ E</td>
</tr>
<tr>
<td>10</td>
<td>52.883</td>
<td>52.806</td>
<td>77</td>
<td>51° 29.0055’ N 001° 27.5754’ E</td>
</tr>
<tr>
<td>11</td>
<td>53.161</td>
<td>53.207</td>
<td>46</td>
<td>51° 29.0379’ N 001° 27.8646’ E</td>
</tr>
</tbody>
</table>

The Kingfisher Awareness Flyer for BritNed is available for download from the link below, or from www.kingfishercharts.org. A new chart highlighting the exposed sections will be produced shortly.

For further information, please contact: BritNed Control Room, Tel: +44 (0)1634 273080 or +44 (0)800 0481569
Fishing Hazard – Vulnerable Subsea Cable, Concerto North

Please be advised that, following two repairs in the same location, an area of vulnerable cable on the Concerto North cable has been identified. Although the repair has been buried the seabed is known to be soft and mobile.

Please exercise extreme caution whilst fishing in this area.

For further information, please contact: Neil Donovan at Interoute Communications email: neil.donovan@interoute.com
Cable Repair – Jersey to Guernsey

Please note that that the HVAC cable between Guernsey & Jersey has recently been repaired. The repaired sections lay between 49°22.736’N 002°29.220’W and 49°22.360’N 002°28.494’W and has a hairpin bight facing west south west extending for 370 meters to 49°22.610’N 002°29.412’W as shown in the image below.

This cable is lying exposed on the sea bed and is at risk of being damaged or causing damage to vessels conducting under water operations such as trawling. Please exercise caution in this area.

For further information, please contact: Heidi Le Noury, Channel Island Electricity Grid, Tel: 44(0)1478 1241977, E-Mail: Heidi.LeNoury@electricity.gg

Exposed Cable Section – FLAG Atlantic Subsea Cable

Please be advised that there is a section of the FLAG Atlantic Subsea cable that is unburied. This area represents a hazard to fishing and skippers should exercise caution whilst fishing in the vicinity. The coordinates below highlight the exposed area and the cable splices, which also pose a hazard to fishing.

For further information, please contact: Marine Managers - Email: ssian@relianceglobalcom.com, Tel: +44 7768508940 or Email: kbiddulph@relianceglobalcom.com, Tel: +44 7747474819
Arran to Holly Island – 11kV Submarine Cable Installation

Mariners are advised that Briggs Marine Contractors Limited will be undertaking submarine power cable installation works between the islands of Arran and Holy Island. The works will be carried out between 55°30.59´N 05°04.92´W and 55°30.84´N 05°04.27´W.

Marine operations will be running from Friday 7th March 2014 to Monday 17th March 2014. Operations will be carried out from the vessels Forth Guardsman, Forth Jouster and Forth Sentinel. Forth Guardsman will perform cable installation operations using a combination of spud legs near shore and a 4 point mooring pattern offshore. Forth Guardsman will be supported by Forth Jouster as Anchor Handling Tug and Forth Sentinel as Dive Support Vessel. During cable laying operations, Forth Guardsman will be restricted in the ability to manoeuvre. It is requested that all vessels operating within this area maintain a safe distance and pass at minimum speed.

Operations will be carried out during the hours of daylight, during which the vessels will display the appropriate day shapes/signals and at times of reduced visibility the appropriate lights as required by the IRPCS. The vessels will also actively transmit an AIS signal. A continuous listening watch will be maintained on VHF Channel 16 and DSC.

For further information, please contact: Andrew Kinninmonth, Briggs Marine, Tel: 07889 751766 email: akinninmonth@briggsmarine.co.uk
BMC Project Support: Fiona Monaghan, Tel: 07715 496 012 email: fmonaghan@briggsmarine.co.uk
Forth Guardsman: Vessel Master, Tel: 07715 496 089 email: mvguardsman@briggsmarine.co.uk
Forth Jouster: Vessel Master, Tel: 07969 515 016 email: mjouster@briggsmarine.co.uk
Forth Sentinel: Vessel Master, Tel: 07715 496 018 email: mvsentinal@briggsmarine.co.uk

Survey – Islay and Jura

Please be advised that Osiris Projects will be carrying out marine survey operations along several cable routes on the behalf of Global Marine Systems Limited, as part of a wider project. The surveys will extend from the LW Mark at each landing to a width of 500m.

Survey operations are expected to on the 05/03/2014, and will be in the area until the end of March 2014, subject to weather. Survey works will be undertaken on MV ‘Lia’.

Location
Port Askaig to Feolin Ferry 54° 07.68’ N 4° 15.36’ W to 54° 07.62’ N 4° 15.18’ W
Lagavulin to Glenbar 53° 57.24’ N 3° 40.80’ W to 53° 57.12’ N 3° 40.50’ W
Craighouse to Ormsary 53° 53.34’ N 3° 30.00’ W to 53° 53.22’ N 3° 29.82’ W

MV Lia is a 15.0m by 5.8m purpose built aluminium catamaran. The vessel colour is predominantly white, with ‘SURVEY’ lettering in dark blue on both sides of the vessel. Call Sign MERD8

The vessel will be towing underwater sensors up to 200m astern of the vessel and will be ‘Restricted in Ability to Manoeuvre’. It is requested that all vessels operating within these areas keep their distance and pass at minimum speed to reduce vessel wash. MV Lia will display appropriate day shapes and lights and will actively transmit an AIS signal.

For further information, please contact: Osiris Projects, Tel: 0151 328 email: operations@osirisprojects.co.uk
For ‘live’ Kingfisher updates of all Cable & Wind Farm activities, please visit www.kis-orca.eu

First Published: 19 December 2013 | Latest Update: 19 December 2013

Fishing Hazard – Exposed Subsea Cable, Beam Trawl and Wire

Please be aware that, following entanglement with a subsea cable, a beam trawl and scallop gear have been discarded at the position below. The fishing gear is entangled with the subsea cable and poses a significant hazard to fishing (L: 10m x H: 2m). There is also over 80m of exposed cable in the vicinity due to the trawl dragging the cable from its original position. Please exercise extreme caution whilst fishing in this area.

For further information, please contact: Alasdair Wilkie, Hibernia Networks, Email: alasdair.wilkie@hibernianetworks.com, Tel: +44 1704 322 306, Mobile: +44 7850 770 577

First Published: 28 February 2013 | Latest Update: 02 December 2013

Displaced Mattressing – Isle of Man – UK Interconnector Cable

The IOM-UK Interconnector cable runs between Douglas, Isle of Man and Bispham in Blackpool and includes small sections where the interconnector cable is protected by mattresses, three of these sections are as follows:

Mattressing co-ordinates:

Route Position: 14.3km  54° 07.68' N  4° 15.36' W to  54° 07.62' N  4° 15.18' W
Route Position: 57.3km  53° 57.24' N  3° 40.80' W to  53° 57.12' N  3° 40.50' W
Route Position: 71.2km  53° 53.34' N  3° 30.00' W to  53° 53.22' N  3° 29.82' W

Following a recent survey of the above locations it has been identified that a section of mattressing protecting the IOM-UK Interconnector cable, route position 57.3km from the Isle of Man, has been displaced. All fishing vessels are advised to keep clear of the area below:

Route Position: 57.3km  53° 57.24' N  3° 40.80' W to  53° 57.12' N  3° 40.50' W

Your further co-operation will be greatly appreciated if vessels undertaking ground fishing activities could exercise caution when operating in the vicinity of the mattressed areas identified above. http://www.kis-orca.eu/media/63875/Manx_Cable_IoM_Interconnector_December2013.pdf

For further information, please contact: Stephen McGhee, Manx Electricity Authority, Tel: 07624 498792, email: steve.mcghee@mea.gov.im
For ‘live’ Kingfisher updates of all Cable & Wind Farm activities, please visit www.kis-orca.eu

First Published: 09 July 2013 | Latest Update: 04 October 2013

Marine Survey Irish Sea – Western HVDC Link Power Cable Installation

In October 2013 cable burial trials are due to be carried out at 7 locations in the Irish Sea. These trials are being carried out in preparation for installation of the Western Link cable.

At each location the plough will be towed for a short distance (no more than a few hundred metres). The seabed shall be inspected after the ploughing trials to determine how the plough has performed. At Location 5 in Liverpool Bay a short length of cable (150m long) will be buried under the seabed by the plough. The effectiveness of cable burial will be evaluated and the cable will then be recovered from the seabed for inspection.

<table>
<thead>
<tr>
<th>No.</th>
<th>Coordinates (centre points)</th>
<th>Coordinates (centre points)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>55° 00.306' N  005° 31.105' W</td>
<td>55° 00.207' N  005° 31.179' W</td>
</tr>
<tr>
<td>2</td>
<td>54° 51.549' N  005° 30.062' W</td>
<td>54° 51.442' N  005° 30.041' W</td>
</tr>
<tr>
<td>3</td>
<td>54° 32.441' N  010° 12.998' W</td>
<td>54° 32.164' N  010° 12.405' W</td>
</tr>
<tr>
<td>4</td>
<td>53° 51.187' N  004° 10.381' W</td>
<td>53° 51.162' N  004° 10.021' W</td>
</tr>
<tr>
<td>5</td>
<td>53° 48.407' N  003° 53.869' W</td>
<td>53° 48.373' N  003° 53.745' W</td>
</tr>
<tr>
<td>6</td>
<td>53° 46.577' N  003° 49.124' W</td>
<td>53° 46.440' N  003° 48.977' W</td>
</tr>
<tr>
<td>7</td>
<td>53° 34.561' N  003° 38.387' W</td>
<td>53° 34.467' N  003° 38.297' W</td>
</tr>
</tbody>
</table>

*A Short length of cable will be buried at location 5 and later recovered for inspection.

** Corrected Coordinates

At all locations the seabed will be surveyed following the trials to confirm that no obstacles or obstructions are left after completion of the work. These operations will be carried out by Deep Ocean using the Maersk Assister Callsign: OYUJ2 supply vessel.

At times during the trials the Maersk Assister may be deploying underwater equipment and will thus have restricted ability to manoeuvre. Vessels are requested to pass at a safe distance. The vessel will monitor VHF Channel 16 at all times.

For further information, please contact: Jim Andrews, Fisheries Liaison Officer, Tel: +44(0)7908225865  email: jim@awimarine.co.uk
For ‘live’ Kingfisher updates of all Cable & Wind Farm activities, please visit www.kis-orca.eu

13 March 2014   |   Issue 06

First Published: 25 November 2010   |   Latest Update: 25 November 2010

**Shallow Burial of Submarine Cable Section – Hibernia ‘D’**

Following a recent repair to the Hibernia ‘D’ cable, there was difficulty in reburying the cable due to the required depth of 1 metre. Please note the section below which could only be buried to a depth of 30cm, this section also contains the repaired splice. Please exercise caution in this area.

**Shallow Buried Section**

1. 51°18.893'N 007°50.289'W
2. 51°18.903'N 007°50.229'W
3. 51°18.997'N 007°50.127'W
4. 51°18.998'N 007°50.120'W
5. 51°18.927'N 007°50.011'W
6. 51°18.951'N 007°49.641'W
7. 51°18.974'N 007°49.336'W

For further information, please contact: Tom Manning, Tel: +44 (0)7795 445192, Email: tom.manning@globalmarinesystems.com

Exposed Submarine Cable Section – Hibernia ‘D’

Please note that the Hibernia ‘D’ cable has been surveyed and has an exposed section. This is indicated in the map below.

The exposed section runs from:

52° 59.433' N 05° 39.540' W to
52° 45.118' N 05° 41.797' W

For full details of the exposed cable route, please refer to Kingfisher Fortnightly Bulletin Issue 24 / 2006.

For further information, please contact: Tom Manning, Tel: +44 (0)7795 445192, Email: tom.manning@globalmarinesystems.com
Cable Repairs – TAT 14 (Segment K)

During the last two years there have been several repairs to the TAT 14 segment K cable North of Scotland from the Fair Isle Channel to the Continental Shelf edge and slope. For all details on the current status of the cable please see the up to date Kingfisher Awareness Flyers. These may be obtained by clicking on the links below, or by visiting www.kingfishercharts.org

Please note that the following charts have also been updated.

- Kingfisher Flyer: Sprint 2013 - ENGLISH
- Kingfisher Flyer: Sprint 2013 - FRENCH
- Kingfisher Flyer: Sprint 2013 - FAROESE
- Kingfisher Flyer: Sprint 2013 - RUSSIAN

For further information, please contact: Barry Peck, Sealine Marine Services, Email: bepeck@sealine.org.uk