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
Cable Installation – Clift Sound (Shetland) (New Entry 31-01-2012)

Please be advised that Briggs Marine Contractors will be continuing works on the 11kV Power Cable in Clift Sound between Trondra and mainland Shetland. The cable was installed on 28th January; however, remaining works include dive inspection and application of cable protection.

The works are being carried out along a 250m route from approximate position 60°05.847’N 01°18.983’W to approximate position 60°05.910’N 01°16.471’W. Marine operations will be running from Tuesday 31st January to Saturday 4th February 2012.

Operations will be carried out from both shores, and will be supported by the vessel ‘Forth Sentinel’ as a Dive Support Vessel. During operations, the Forth Sentinel will be restricted in the ability to manoeuvre. It is requested that all vessels operating within this area keep their distance and pass at minimum speed.

Operations will be carried out on a daily operations basis, the vessel will display the appropriate day shapes and lights (during reduced visibility) required by the IRPCS and will actively transmit an AIS signal. A continuous watch will be maintained on VHF Channel 16 and DSC.

For further information, please contact: Andrew Kinninmonth, Mobile: 07889 751 766, Email: akinninmonth@briggsmarine.co.uk

Exposed Cable Sections – SHEFA-2 Segments 8 & 9 (Update 29-06-2011)

Please be advised that the shore end sections of the SHEFA-2 Segment 8 cable have been surface laid for approximately 17 kilometres from the Orkney landing and 26 kilometres from the Shetland landing and therefore represents a hazard to fishing and should be avoided at all times. The Orkney landing of the SHEFA-2 Segment 9 cable has also been surface laid for a distance of approximately 9 kilometres from shore. A part buried section further south along the route also exists.

Please see the charts below for details of the exposed sections and for coordinates of these sections, please see Kingfisher Fortnightly Bulletin – 25 / 2009.

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 (June 2011)

For further information, please contact: Suni Joensen Shefa P/f, Tel: +298303605, Email: suji@ft.fo
Cable Repair – SEA ME WE 3 (New Entry 25-02-2012)
Global Marine Systems Limited is contracted to conduct emergency cable repair and burial of the SMW3 submarine fibre optic telecommunications cable. The CS Wave Sentinel is currently conducting another repair and is due to arrive on site at the earliest opportunity which is currently 26th February 2012. For 5 Days

50°58.537’N 01° 38.052’E

For further information, please contact: John Wrottesley, Global Marine Systems Ltd, Tel: +44(0)1245 70 2009 email: John.Wrottesley@globalmarinesystems.com

Cable Repair – UK Netherlands 14 (New Entry 16-02-2012)
Global Marine Systems Ltd has been contracted to undertake an emergency repair to the UK Netherlands 14 submarine fibre optic cable in the North Sea. The CS Wave Sentinel is scheduled to arrive on site and commence works on 21st February 2012. For 5 Days.

52°50.825’N 02° 52.443’E

For further information, please contact: John Wrottesley, Global Marine Systems Ltd, Tel: +44(0)1245 70 2009 email: John.Wrottesley@globalmarinesystems.com

Newly Installed Cable – BritNed Subsea Power Cable (New Entry 27-10-2011)
As previously reported within the Kingfisher Cable Bulletin, the BritNed Subsea Power cable was installed earlier this year.

The Cable System is a twin bundled High Voltage DC interconnector stretching approximately 260 km from the Isle of Grain in the UK, across to Maasvlakte in the Netherlands. The interconnector has a nominal capacity of 1000 MW, with each cable having a diameter of 119 mm. The cable installation was completed in June 2011 with the majority of cable being lowered to in excess of 1.5 metres.

For a copy of the Kingfisher Awareness Flyer for the BritNed Subsea Power Cable, please contact the undersigned. Alternatively, click on the link below, or visit www.kingfishercharts.org

Kingfisher Awareness Flyer: BritNed Subsea Power Cable

For further information, please contact: BritNed Control Room, Tel: +44 (0)1634 273080 or +44 (0)800 0481569.

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
**Displaced Mattressing—Isle of Man–UK Interconnector Power Cable (New 28-02-2012)**

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:**

<table>
<thead>
<tr>
<th>Route Position</th>
<th>Mattressing Co-ordinates</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.3km</td>
<td>54° 07.68' N 4° 15.36' W to 54° 07.62' N 4° 15.18' W</td>
</tr>
<tr>
<td>57.3km</td>
<td>53° 57.24' N 3° 40.80' W to 53° 57.12' N 3° 40.50' W</td>
</tr>
<tr>
<td>71.2km</td>
<td>53° 53.34' N 3° 30.00' W to 53° 53.22' N 3° 29.82' W</td>
</tr>
</tbody>
</table>

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 precaution when operating in the vicinity of the mattressed areas identified above.

*For further information, please contact: Stephen McGhee, Manx Electricity Authority, Tel: 07624 498792, email: steve.mcghee@mea.gov.im*

**Marine Cable Works – East West Interconnector Cable (Update 16-02-2012)**

**North Wales Coast**

On behalf of EirGrid Interconnector Ltd trawler skippers are advised that following cable laying operations in 2011 in the waters off north Wales sections of the EirGrid EWIC submarine cable remain unbburied until cable burial operations have been completed (route position list below). In order to protect the recently installed cable and in the interests of maritime safety requirements guard vessels will continue to be stationed in the vicinity of exposed cable sections and guard vessels will broadcast marine safety warnings on VHF as appropriate.

Fishermen are advised not to leave any static fishing equipment within a distance of 500 metres of the EirGrid EWIC cable route. Trawler skippers are respectfully asked to withdraw and keep beyond a distance of at least 1000 metres from the newly installed cable and all vessels should keep a distance of at least 1.0 nautical mile from all cable vessels associated with these marine operations that are ongoing.

*Continued over page…*
Rush - North Dublin

On behalf of EirGrid Interconnector Ltd fishermen are advised that shore end marine cable installation and burial works in the waters off Rush North Beach, North County Dublin have finished. However, trawlermen are advised that there is exposed cable in the vicinity of 53°32.326'N 005°58.123'W (Ref KP8) - see route position list below.

Static gear fishermen are advised not to leave any static fishing equipment within a distance of 500 metres of the EirGrid EWIC cable route. Trawler skippers are respectfully asked to withdraw and keep beyond a distance of at least 1000 metres from the newly installed cable and all vessels should keep a distance of at least 1.0 nautical mile from all cable vessels associated with these marine operations that are ongoing.

In order to protect the recently installed cable and in the interest of maritime safety requirements a guard vessel will continue to be stationed in the vicinity of exposed cable sections. Marine safety warnings will be broadcast by guard vessels on VHF as appropriate.

Route Position List:

<table>
<thead>
<tr>
<th>Route</th>
<th>Position</th>
<th>Latitude</th>
<th>Longitude</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>53°31.440'N 005°05.077'W</td>
<td>53°32.999'N 005°58.123'W</td>
<td></td>
</tr>
<tr>
<td>2.</td>
<td>53°31.442'N 005°05.068'W</td>
<td>53°32.181'N 005°02.107'W</td>
<td></td>
</tr>
<tr>
<td>3.</td>
<td>53°31.590'N 005°04.940'W</td>
<td>53°32.999'N 005°58.123'W</td>
<td></td>
</tr>
<tr>
<td>4.</td>
<td>53°32.999'N 005°53.304'W</td>
<td>53°31.590'N 005°04.940'W</td>
<td></td>
</tr>
<tr>
<td>5.</td>
<td>53°36.193'N 005°20.639'W</td>
<td>53°30.288'N 005°54.414'W</td>
<td></td>
</tr>
<tr>
<td>6.</td>
<td>53°36.129'N 005°20.107'W</td>
<td>53°30.288'N 005°54.414'W</td>
<td></td>
</tr>
<tr>
<td>7.</td>
<td>53°36.149'N 005°19.728'W</td>
<td>53°30.288'N 005°54.414'W</td>
<td></td>
</tr>
<tr>
<td>8.</td>
<td>53°36.160'N 005°19.045'W</td>
<td>53°30.288'N 005°54.414'W</td>
<td></td>
</tr>
<tr>
<td>9.</td>
<td>53°36.103'N 005°16.510'W</td>
<td>53°30.288'N 005°54.414'W</td>
<td></td>
</tr>
<tr>
<td>10.</td>
<td>53°34.178'N 005°15.857'W</td>
<td>53°30.288'N 005°54.414'W</td>
<td></td>
</tr>
<tr>
<td>11.</td>
<td>53°36.246'N 005°13.944'W</td>
<td>53°30.288'N 005°54.414'W</td>
<td></td>
</tr>
<tr>
<td>12.</td>
<td>53°36.024'N 005°12.070'W</td>
<td>53°34.178'N 005°15.857'W</td>
<td></td>
</tr>
</tbody>
</table>

For further information, please contact: Colin Richards, Tel: +44 (0)1404 46323, Mobile: +44 (0)7702 693 660, Email: colinrichards@networkmarine.fsnet.co.uk

Cable Installation/Burial Works – Celtix Connect Cable (Update 13-12-2011)

Unfortunately the outline plan as below has been delayed due to the recent weather. The outline plan of work, which has slipped slightly, is as follows:

- 10th December – Depart Dublin Port
- 11th December – Conduct pre-lay grapnel run
- 22nd December – Begin cable installation
- 30th December – Land cable at Welsh shore end location
- 9th January – Complete Post lay inspection & burial
- 15th January – Demobilise

Route Position List:

<table>
<thead>
<tr>
<th>Route</th>
<th>Position</th>
<th>Latitude</th>
<th>Longitude</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>53°21.364'N 004°02.019'W</td>
<td>53°30.307'N 004°14.885'W</td>
<td></td>
</tr>
<tr>
<td>2.</td>
<td>53°21.812'N 004°01.975'W</td>
<td>53°30.307'N 004°14.885'W</td>
<td></td>
</tr>
<tr>
<td>3.</td>
<td>53°22.744'N 004°01.571'W</td>
<td>53°30.307'N 004°14.885'W</td>
<td></td>
</tr>
<tr>
<td>4.</td>
<td>53°23.593'N 004°00.574'W</td>
<td>53°30.307'N 004°14.885'W</td>
<td></td>
</tr>
<tr>
<td>5.</td>
<td>53°26.766'N 004°00.505'W</td>
<td>53°30.307'N 004°14.885'W</td>
<td></td>
</tr>
<tr>
<td>6.</td>
<td>53°29.915'N 004°00.441'W</td>
<td>53°30.307'N 004°14.885'W</td>
<td></td>
</tr>
<tr>
<td>7.</td>
<td>53°30.246'N 004°00.398'W</td>
<td>53°30.307'N 004°14.885'W</td>
<td></td>
</tr>
<tr>
<td>8.</td>
<td>53°32.214'N 004°00.331'W</td>
<td>53°30.307'N 004°14.885'W</td>
<td></td>
</tr>
</tbody>
</table>

For further information, please contact: Tom Manning, Tel: +44 (0)7795 445192, Email: tom.manning@globalmarinesystems.com
Repair of Power Cables - Moyle Interconnector (North Channel) (New Entry 10-11-2011)

Repair is underway on faults on both the northern and southern power transmission cables associated with the Moyle Interconnect. The power cables lie in the North Channel between Islandmagee, Northern Ireland and Currarie Port, south of Ballantrae, Ayrshire, Scotland.

Cable repair activities will take place between the following co-ordinates in the North Channel of the Irish Sea.

- North Cable Fault Window 55° 03.816 ‘N  005° 05.572 ‘W  to  55° 03.783 N  005° 06.112 ‘W
- South Cable Fault Window 54° 55.082 ‘N  005° 30.667 ‘W  to  54° 54.173 N  005° 33.367 ‘W

The execution plan commenced in late October and could last 12 weeks. The program is subject to both technical and weather delays.

Fishing vessels are advised that sections of the Moyle Interconnector power cables may be unburied at times during this work. Skippers are requested to keep beyond a distance of at least 1 nautical mile from the advised cable sections. Vessels are also requested to keep beyond 1 nautical mile from the cable repair vessel North Sea Giant as operations limit the manoeuvrability of the repair vessel and include the use of ROVs.

For further information, please contact: Maurice Smith, Moyle Interconnector, Tel: +44(0)28 9095 8115, email: Maurice.smith@powerteam.eu.com

Shallow Burial of Submarine Cable Section – Hibernia ‘D’ (New Entry 25-11-2010)

Following a recent repair to the Hibernia ‘D’ cable, there was difficulty in reburying the cable 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
Repair to Lanis Cable – UK – IOM (Off Port Grenaugh)

The LANIS 1 cable was damaged approximately 600m off Port Grenaugh beach in November 2006. The fault was repaired by laying a new shore end section and unfortunately it was not possible to bury the cable at the bight area or the cable shoreward. All fishing vessels are advised to keep clear of the area below and route below:

1. 54°05.609’N 04°33.599’W
2. 54°05.678’N 04°33.666’W
3. 54°05.683’N 04°33.669’W
4. 54°05.683’N 04°33.681’W
5. 54°05.912’N 04°34.258’W
6. 54°05.655’N 04°33.691’W
7. 54°05.652’N 04°33.818’W
8. 54°05.866’N 04°34.181’W
9. 54°06.102’N 04°34.595’W
10. 54°06.158’N 04°34.670’W

For further information, please contact: Jon Ford, Cable & Wireless UK, Waterside House, Longshot Lane, Bracknell, Berkshire, RG12 1XL, Tel: +44 (0)1344 713784, Mob: +44 (0) 7776 165571, Email: Jon.Ford@cw.com

Repair to SOLAS Cable – UK to Ireland

The SOLAS cable has been repaired due to a fault at the following position: 51°24.634’N 04°55.272’W. Burial was attempted, though the cable remains at risk of snagging with fishing gear as only shallow burial was achieved.

For further information, please contact: Jon Ford, Cable & Wireless UK, Waterside House, Longshot Lane, Bracknell, Berkshire, RG12 1XL, Tel: +44 (0)1344 713784, Mob: +44 (0) 7776 165571, Email: Jon.Ford@cw.com
Essential Maintenance – TAT 14 (Segment K) (New Entry 16-02-2012)
Global Marine Systems Limited has been contracted to conduct essential maintenance to the submarine fibre optic telecommunications cable 'TAT 14' between UK and Faroese EEZ. The vessel CS Innovator is expected to commence operations on 3rd March 2012. For 20 Days.

Working Between Coordinates:
59°56.064'N 009°29.925'W | 60°02.273'N 007°21.761'W

For further information, please contact: John Wrottesley, Global Marine Systems Ltd, Tel: +44(0)1245 70 2009 email:John.Wrottesley@globalmarinesystems.com

Cable Repair – TAT 14 (Segment K) (New Entry 12-07-2011)
There has been a recent repair on the TAT 14 segment K cable north of the Butt of Lewis. Post repair burial was carried out but due to the adverse seabed conditions some sections of cable remain exposed between positions:

East extremity: 60°01.085'N 006°30.375'W | West extremity: 60°01.193'N 006°33.816'W

Between these two positions there is a revised repeater position at 60°01.147'N 006°31.195'W, and the crown of the final splice bight lies to the south of the cable line at position 60°00.889'N 006°33.435'W.

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

Cable Repairs – TAT 14 (Segment K) (Update 12-04-2011)
There have been two recent repairs on the TAT 14 segment K cable north west of the Butt of Lewis on the Wyville Thompson Ridge. Due to the adverse seabed conditions it has not been possible to bury the repaired sections, and there are two areas that are a danger to fishing gear. These are:

<table>
<thead>
<tr>
<th>Repair 27 A</th>
<th>Repair 27 B</th>
</tr>
</thead>
<tbody>
<tr>
<td>Point A</td>
<td>Point A'</td>
</tr>
<tr>
<td>Point B</td>
<td>Point B'</td>
</tr>
<tr>
<td>Point C</td>
<td>Point C'</td>
</tr>
<tr>
<td>Point D</td>
<td>Point D'</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Point</th>
<th>Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>60° 14.00'N 008° 36.00'W</td>
</tr>
<tr>
<td>B</td>
<td>60° 14.00'N 008° 30.00'W</td>
</tr>
<tr>
<td>C</td>
<td>60° 13.00'N 008° 30.00'W</td>
</tr>
<tr>
<td>D</td>
<td>60° 13.00'N 008° 36.00'W</td>
</tr>
<tr>
<td>A'</td>
<td>60° 13.400'N 008° 08.00'W</td>
</tr>
<tr>
<td>B'</td>
<td>60° 13.400'N 008° 03.500'W</td>
</tr>
<tr>
<td>C'</td>
<td>60° 12.500'N 008° 03.500'W</td>
</tr>
<tr>
<td>D'</td>
<td>60° 12.500'N 008° 08.00'W</td>
</tr>
</tbody>
</table>

Both these areas contain a length of unburied cable and a final splice bight with the slip ropes still attached. Fishermen are requested to avoid fishing in the vicinity of both these areas.

For a copy of the Kingfisher Awareness Flyers for the Sprint 2011 (TAT 14 Segment K) cable, please contact the undersigned. Alternatively, click on the link below, or visit www.kingfishercharts.org

Kingfisher Awareness Flyer: Sprint 2011 (TAT 14 Segment K) - ENGLISH
Kingfisher Awareness Flyer: Sprint 2011 (TAT 14 Segment K) – FRENCH
Kingfisher Awareness Flyer: Sprint 2011 (TAT 14 Segment K) - FAROESE

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