Shaded blocks indicate activity.

What’s inside?

**New Hazards** (p.3)

**Area 1** (p.4)
1. Notice to Fishermen

**Area 2**
1. N.A

**Area 3** (p.5 - 6)
1. Notice to Fishermen

**Area 4** (p.7 - 8)
1. Notice to Fishermen

**Area 5** (p.9 - 11)
1. Notice to Fishermen

**Area 6** (p.12)
1. Notice to Fishermen

**Extra...** (N.A)
Support
The Kingfisher Bulletin is provided by the Kingfisher Information Service of Seafish, to promote the awareness of offshore hazards to fishing, new structures and zones and conflicting offshore operations. Support for the production of subsea cables industry information is received from The Crown Estate and the European Subsea Cables Association (ESCA).

Information
Information contained within the Kingfisher Bulletin comes from a variety of sources, although is in the majority, supplied directly to Kingfisher from the offshore operating industry, or government licensing authorities.

Coordinates within the Kingfisher Bulletin are converted into World Geodetic System 1984 (WGS84) and displayed as degrees, minutes and decimal minutes, to three decimal places (ddd°mm.mmm'). Route or boundary coordinates may be simplified for ease of use.

Disclaimer and Limitation of Liability
Whilst reasonable steps have been taken to ensure its accuracy, the data contained in this Bulletin (“Bulletin Data”) is not verified. Neither Seafish nor The Crown Estate or the European Subsea Cables Association (ESCA) (together the “Parties” and each a “Party”) makes any warranty, express or implied, as to accuracy, completeness or suitability for any particular purpose of the Bulletin Data. Except for any liability which cannot be excluded or limited by applicable law, none of the Parties shall have any liability to You, meaning any person, firm, partnership, corporate body or any other legal person receiving or otherwise using, or benefitting from the use of, Bulletin Data for any damage or losses (including indirect, incidental, special or consequential loss or damage) caused by any: (i) use of the Bulletin Data, or (ii) error or omission in the Bulletin Data. Notwithstanding the foregoing exclusion of liability, in the event that any of the Parties are found liable to You, then the Parties’ entire liability in such event, whether in contract, delict (including negligence) or otherwise, shall not exceed £1,000. The Admiralty Notices to Mariners should also be consulted.
### New Hazards

<table>
<thead>
<tr>
<th>Hazard Type</th>
<th>Position</th>
<th>Issue Date</th>
<th>Contact Details</th>
<th>Map</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exposed end of cut pipeline</td>
<td>60°00.083'N 001°23.757'E</td>
<td>14 Feb 2017</td>
<td><a href="mailto:nick.strachan@uk.bp.com">nick.strachan@uk.bp.com</a></td>
<td><img src="https://twitter.com" alt="twitter" /></td>
</tr>
<tr>
<td>Chain sections 8-9 links of 76mm chain of about 300kg per section</td>
<td>58°30.315'N 002°04.084'W 58°31.215'N 002°00.070'W</td>
<td>23 Feb 2017</td>
<td><a href="mailto:Grant.Hastie@subsea7.com">Grant.Hastie@subsea7.com</a></td>
<td><img src="https://twitter.com" alt="twitter" /></td>
</tr>
</tbody>
</table>

*The Hazard List is a collection of potential fishing hazards supplied to Kingfisher from across all offshore industries. Potential hazards will be listed for 6 months.*
Caithness - Moray HVDC Link - Route Clearance & Survey

The Caithness - Moray HVDC Link will be a twin bundled High Voltage DC interconnector (single cable diameter 132mm) installed by ABB HVC for Scottish Hydro Electric Transmission (SHE T) stretching approximately 113 km across the Moray Firth from Portgordon in Moray to Noss Head in Caithness.

During 1st quarter 2017, ABB will undertake route preparation and survey operations along the Route. The Siem Ruby will be used to tow the SCAR plough and carry out an ROV survey of the cleared route. In nearshore waters (6m – 15m) at Portgordon the multicut C-Odyssey will assist the Siem Ruby in its route preparation and survey operations.

There is a working area 250m either side of the cable route centreline coordinates given by the Route. Seafarers are requested to keep clear during these operations.

Multicat MV C-Odyssey - 2ETW7      AHV Siem Ruby – LKJV

Route Clearance Operations Between Portgordon and Noss Head

Position: 57°39.807’N 003°01.903’W  -  58°28.043’N 003°03.314’W

From 2 February 2017 for a period of 3 weeks ABB will carry out a multibeam echo sounder (MBES) and side scan sonar survey in the following area:

58°27.841’N 003°03.012’W
58°27.773’N 003°02.823’W
58°27.810’N 003°02.767’W
58°27.885’N 003°02.925’W

There is a working zone 250m on all sides of the survey area given by the corner coordinates above to allow for survey line run ins and run outs. Other seafarers are requested to keep clear during these operations.

Full MCA Cat III

For further information: Richard Creed, ABB Tel: +44 7802 225532 email: Richard.creed@se.abb.com

Exposed Cable Sections – SHEFA 2 Subsea Cable

The Shefa-2 submarine cable, running between Banff, Orkney, Shetland and Faroes has suffered from several cable breaks since deployment in 2007. A re-deployment was completed successfully late in 2014 and the majority of exposed areas are now buried.

However, Shefa urgently has to stress that a further few areas of the Shefa-2 segment 7, 8 & 9 are unburied and therefore exposed. Especially we need to highlight a limited exposed area on the segment running between Manse bay in Orkney and Banff in Scotland between the following positions:

A: 58°47.208’N 002°46.617’W and  B: 58°47.300’N 002°46.763’W

This area represents a hazard to fishing and should be avoided at all times. The latest route of the cable may be seen on the KIS-ORCA Fishing Plotter disk released January 2015 and may be downloaded from www.kis-orca.eu/downloads

For a copy of the Kingfisher Awareness Flyer, showing the exposed sections of SHEFA from December 2013, please contact the undersigned. Alternatively, click on the link below, or visit www.kingfishercharts.org

For further information: Tel: +298243602, Email: phv@ft.fo, brr@ft.fo
Notice to Fishermen

SEA-ME-WE 3 SEG 10.4 – Emergency Repair

Please be aware that operations for this repair have been temporarily suspended due to the weather conditions forecast over the next few days.

Two cable buoys have been deployed at the following positions:
- CB1 remains in position: 52°09.84’N 003°10.46’E
- CB2 in position: 52° 09.45’N  003°09.98’E

Other vessels should maintain a distance of at least 1/4NM from the buoys for safety.

Based on current forecast, the vessel will remain in the vicinity, but if the weather continues to deteriorate may move to a location further away.

Original Repair Location: 52°13.371’N 003°10.880’E

For further information: Alex Riddell, Global Marine Systems Ltd Tel: +441245 702111 email: Alex.Riddell@globalmarinesystems.com

Notice To Fishermen

Cable Repairs – IFA 2000

The submarine electrical link (IFA 2000) between England and France This link is composed of 8 cables laid in pairs in 4 trenches, called "routes".

Four cables of this link have been damaged during the storm Angus on 20th November 2016, and we have been awarded the contract by RTE (owner of the link with National Grid) for the cables repair works.

These operations have started on 2nd of January 2017 and will take approximately 2-3 months (weather permitting).

The defaults are approximately 4 nm offshore Dover, the positions of the defaults are :
- Defaults cables 11 and 12 – Route 4 : 51°03.850’N 001°15.955’E
- Defaults cables 33 and 34 – Route 2 : 51°04.627’N 001°16.683’E

The repair operations are taking place simultaneously at both locations. Marking buoys have been installed around the work sites in order to secure the area

3 x DP2 vessels for the repair operations (each approx 95m long)

For further information: Valerie LEROY, Louis Dreyfus Tel: +33(0)4 42 18 34 11 email: vleroy@ldtravocean.com

Notice To Fishermen

Cable Repairs – Concerto 1 North

Recently there have been several repairs to the Concerto 1 North cable due to the mobile nature of the seabed. These repairs are post repair buried but remain more vulnerable than other sections of the cable. For all details of the current status of the cable please see the up to date Kingfisher Awareness Flyer. This may be obtained by clicking the link below or by visiting www.kingfishercharts.org

Please note that the following chart has been updated.

Kingfisher Flyer: Concerto 1 North Cable

For further information: Neil Donovan, Interoute Communications Ltd, e-mail: neil.donovan@interoute.com
Notice to Fishermen

Hazardous Condition of Cable – Ulysses South Landing (St Margaret’s Bay)

Please note that further to earlier notices, the Ulysses South submarine cable landing at St Margaret’s Bay, near Dover, remains broken at 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.

A map of the hazardous position may be seen by clicking on the 'Map Link' in the top right corner

For further information: Steven Bennett, Global Marine, Tel: +44 7557 908179 email: Steven.bennett@globalmarinesystems.com

Survey Activity

Nemo-Link Project – UXO Inspection Operations

<table>
<thead>
<tr>
<th>Company, Vessel &amp; Call Sign</th>
<th>Area Covered</th>
<th>Start Timeframe &amp; Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nemo-Link Project</td>
<td>1. 51°19.602’N 001°53.815’E</td>
<td>December 2016 to End of April 2017</td>
</tr>
<tr>
<td>Havila Phoenix</td>
<td>2. 51°19.510’N 001°57.572’E</td>
<td></td>
</tr>
<tr>
<td>C6BD2</td>
<td>3. 51°19.527’N 002°01.562’E</td>
<td></td>
</tr>
<tr>
<td></td>
<td>4. 51°19.528’N 002°05.007’E</td>
<td></td>
</tr>
<tr>
<td></td>
<td>5. 51°19.552’N 002°10.173’E</td>
<td></td>
</tr>
<tr>
<td></td>
<td>6. 51°19.405’N 002°11.522’E</td>
<td></td>
</tr>
<tr>
<td></td>
<td>7. 51°18.826’N 002°16.083’E</td>
<td></td>
</tr>
<tr>
<td></td>
<td>8. 51°19.263’N 002°18.543’E</td>
<td></td>
</tr>
<tr>
<td></td>
<td>9. 51°20.068’N 002°21.738’E</td>
<td></td>
</tr>
<tr>
<td></td>
<td>10. 51°20.690’N 002°24.123’E</td>
<td></td>
</tr>
</tbody>
</table>

For further information: Nemo Marine Coordinator, Deep Ocean, Tel: +44 (0)1325 390 500 email NemoMarineCoordinator@Deepoceangroup.com
Notice to Fishermen

Published: 23 February 2017 | Latest Update: 23 February 2017

GLO – 1 – Emergency Repair

Please note ASN Marine on behalf of Alcatel Submarine Networks have been contracted to undertake an emergency repair to the GLO-1 submarine fibre optic telecommunications cable in UK territorial waters.

The C/S Ile d’Aix is scheduled to arrive on site on the 16th February at 11:00UTC to commence works. The duration of the cable repair will be approx. 7 days depending upon weather or other operational conditions.

Repair Location: 50°43.718’N 005°12.219’W

For further information: Darren Griffiths, Alcatel Submarine Networks, Tel: +33 1 70 38 61 83 email: Darren.griffiths@asnmarine.com

Notice to Fishermen

Published: 08 October 2015 | Latest Update: 08 October 2015

Exposed Cable Sections – Apollo South Cable (SW Approaches)

On behalf of Apollo SCS Ltd, fishermen are advised that following a recent repair to the Apollo South subsea telecoms cable there now exists a section of exposed/unburied cable in the vicinity of

49°04.76N Long 006°41.59W

Due to the nature of the seabed in this area the cable is exposed and could be a hazard to fishing. Fishermen are asked to ensure that they have the route of the Apollo South cable accurately plotted on their fishing charts. Trawler skippers are respectfully asked to exercise caution when trawling in the vicinity of the Apollo South cable and to keep beyond a distance of at least 500 metres from the charted cable route and where at all possible to avoid trawling directly over the cable route. Static gear fishermen are advised not to deploy anchors and end weights in close proximity of the cable.

For further information: Colin Richards, Apollo SCS, Tel: +44(0) 1404 46323 e-mail: colinrichards@networkmarine.fsnet.co.uk

Notice to Fishermen

Published: 22 September 2016 | Latest Update: 01 December 2016

North Coast of Cornwall – Wave Hub Subsea Cable Safety Notification

Please be advised that following the recent installation of the Wave Hub Cable Tail Extensions across the offshore Renewable Energy Development Area that the subsea electrical system is now live at 33kV.

The following safety information should be carefully digested by any mariner operating in the vicinity of the Wave Hub offshore site or export cable:

1) Four new and exposed cable tails have been installed across the charted offshore Renewable Energy Development Area (KP chart and RPLs attached). These cables are stabilised against current and wave action and supported where free-spans occur with rock bags but are not otherwise protected from anchors or fishing gear.

2) Due to varying sediment depths, the Wave Hub main export cable remains exposed in places in St Ives Bay. From KP 1.9 to KP 8.1 the subsea power cable is in parts exposed or carries a high risk of exposure (KP chart and RPLs attached). From the shore to KP1.9 the subsea power cable is buried and from KP 8.1 to the Wave Hub itself (KP 25) the subsea power cable is surface laid and covered by a continuous rock berm.

Cable exposure limits (Wave Hub subsea export cable):

<table>
<thead>
<tr>
<th>KP</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Seabed Depth</th>
</tr>
</thead>
<tbody>
<tr>
<td>From 1.90</td>
<td>50°12.691’N</td>
<td>005°25.639’W</td>
<td>12.5m</td>
</tr>
<tr>
<td>To 8.10</td>
<td>50°14.222’N</td>
<td>005°29.945’W</td>
<td>27.2m</td>
</tr>
</tbody>
</table>

For further information: Julius Besterman, Wave Hub, Tel: 01736 800291, Mobile: 07825 943738 http://www.wavehub.co.uk/notice-to-mariners
**Notice To Fishermen**

**Hugo Seg 1 – Cable Repairs**

Due to work on the Hugo subsea cable, there remains vulnerable and hazardous sections. Due to the nature of the sea bed, although all efforts had been made to bury the cable and associated joint boxes, only minimal or reasonable coverage was achieved.

**Section 1** – Repair section of over 4km including final splice bight (minimal coverage)

Section 1 should be exercised if working between: 49°39.163N 004°59.495W and 49°38.310N 004°56.427W

Extreme caution should be exercised if working between: 49°35.576N 004°46.785W (minimal coverage)

Extreme caution should be exercised if working between: 49°35.657N 004°47.079W and 49°35.519N 004°46.553W

**Section 2** – Repeater installation at 49°36.675N 3°35.049W (reasonable coverage)

Caution should be exercised if working between: 49°36.671N 003°35.332W and 49°36.675N 003°34.752W

For further information: Jon Ford at Vodafone, Tel: +44 7776 165571 email: jon.ford@vodafone.com

---

**Exposed Cable Sections – CIEG Guernsey (Jersey 90kv Subsea Power)**

Due to repair works, two sections of cable remain unburied. Cables and joints are lying exposed on the sea bed and are a hazard to fishing and at risk of being damaged.

**Cable Repair 1** – Jersey to Guernsey (2012)

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 within the Map Link.

**Cable Repair 2** – Jersey to Guernsey (2015)

The repaired sections lay between 49°26.965’N 002°31.422’W to 49°26.873’N 002°31.125’W where it then heads south to 49°26.584’N 002°31.191’W. The hairpin bight facing west south west extending for 70 meters to 49°26.887’N 002°31.321’W as shown in the image within the Map Link.

Please exercise caution when carrying out work such as trawling in these areas.

For further information: Heidi Le Noury, Channel Island Electricity Grid, Tel: +44(0)14781 241977, Email: Heidi.LeNoury@electricity.gg
Western HVDC Link – Deep Water Cable Installation & Exposed Cable

Mariners are advised that the vessels Normand Pacific and Jif Challenger are due to commence Post Lay Installation Burial Works along the Western HVDC Link cable route in the Firth of Clyde, starting in early February 2017. This update provides a brief summary of the detail included in the Notice to Mariners describing this work, which can be downloaded here.

Exposed cable locations
There are several sections of exposed cable along the cable route at locations where cable burial has not been possible and at the planned cable crossing locations. These sections are currently being monitored by Guard Vessels which have been deployed locally.

To assist all mariners, a consolidated list of exposed cable locations (as of 10th February 2017) has been compiled. This list is included in the notice to mariners that can be downloaded here. A brief update on the status of different parts of the route is provided below.

North Channel & Firth of Clyde (Campaigns 3 & 6)
Cable burial works have now been completed on Campaigns 3 & 6, which run through the North Channel and into the southern part of the Firth of Clyde. On these sections of the route there are still some exposed areas of cable that are due to be protected by the rock protection vessel Nordnes (detailed in a Notice to Mariners here). The locations of the exposed cable and rock protection areas are detailed in Table 1 of the notice to mariners that can be downloaded here.

Firth of Clyde (Campaigns 4a & 4b)
Cable laying work has been completed for one cable along all of this route (from Ardneil Bay to the west of Ailsa Craig), and is due to be completed shortly for the second cable. The locations of exposed cable on this section of the route is detailed in Table 2 of the notice to mariners that can be downloaded here.

Guard vessels
Guard vessels have been stationed along the cable route during installation and burial to ensure the safety of marine users. They will remain in position until cable protection operations are completed to advise mariners of the location of exposed cable.

In areas where the cable crosses other cables and pipelines that are in service, the guard vessels will remain on station until cable protection has been completed in these locations (either through concrete mattressing or rock placement).

Vessels are requested to pass at a safe speed and distance and fishing vessels are advised to remain a safe distance (approximately 1.5 nautical miles) from the areas identified. Guard Vessels have been deployed at each location to aid in monitoring the exposed areas and advise of safe distances locally.

The locations of Guard Vessel areas and exposed sections are shown in Tables 1 & 2 of the Notice to Mariners which can be downloaded here.

Notices to Mariners
The Notices to Mariners that are presently in place for this project are:-

- Exposed cable locations, Irish Sea, North Channel, Firth of Clyde - this notice is described above. It provides an update on the locations of rock protection areas and exposed cable locations which are awaiting protection as of the 10th February 2017. The notice can be downloaded here.
- Post Lay Rock Placement Works - this notice was issued on 1st February 2017 (and updated on 10th February 2017) and provides information about rock protection work for Campaigns 3 & 6 of the cable route which will be carried out between February and March 2017. The notice can be downloaded here.
- Post Lay Installation Burial Works - this notice was issued on 1st February 2017 and provides information about the cable burial work for Campaign 4 of the cable route which will start in early February 2017. The notice can be downloaded here.
- Concrete mattressing - along the cable route concrete mattresses have been laid at crossings of existing cables and pipelines. A notice to mariners about the mattressing campaign conducted in 2015 can be downloaded here.

For further information: Jim Andrews, Fisheries Liaison Officer, Tel: +44(0)7908225865 email: jim@awjmarine.co.uk
Notice To Fishermen

The Isle of Man Interconnector Cable – Update 2016

The Isle of Man Interconnector Cable runs beneath the sea between Douglas on the Isle of Man, and Bispham on the Lancashire coast. It was installed in September 2000 and spans a distance of 104km (56 nautical miles), linking the Isle of Man to the UK National Grid.

Information for Mariners - 2016 Update

An updated version of the information leaflet for mariners about the IOM Interconnector Cable has recently been produced and can be downloaded here.

Cable Protection

At several points along the cable route the cable is surface laid where there are joints between sections of the cable and where it crosses other cables and pipelines.

To protect the surface laid cable and to ensure that fishing can continue safely along the route, protective mattresses have been installed at six locations. Details of these locations are given in maps here.

Surveys in 2011 found that there was some movement of the rock mattresses closest to the Lancashire coast. You can download a notice about potential hazards in this area here.

Exposed Cable

The seabed close to the Lancashire coast is very mobile. Parts of the cable lying within 2 nautical miles of the coast may occasionally be exposed by movements of the sand on the seabed. The Manx Cable Company monitor the cable carefully along this part of the route, and published a notice to mariners based on recent survey information here.

Background information

More information about the IOM Interconnector cable can be found on our website here. The Manx Cable Company is part of Manx Utilities. More information about the Manx Cable Company can be found here.

For further information: Jim Andrews, Fisheries Liaison Officer, Tel: +44(0)7908225865 email: jim@awjmarine.co.uk

Notice to Fishermen

Exposed Cable and Poor Burial – Sirius South Cable

Mariners are advised that there is sections of Exposed Cable & Poor Burial of this section of the Sirius South Cable.

From: 53°43.383'N 4°20.306'W  To: 53°43.383'N 4°20.306'W

Also Exposed Section of Cable: 53°43.383'N 4°20.306'W

For further information: Peter Jamieson, Virgin Media, email: peter.jamieson@virginmedia.co.uk

Notice To Fishermen

Hazard - Hibernia Segment C – Abandoned Gear & Vulnerable Cable

Incident involving a fishing vessel snagging its gear. GMSL’s understanding is the MCA advised the vessel (Siobhan 3) to slip it’s gear due to the proximity of the Hibernia Segment C subsea cable

The position given was 53°50.340N:004°55.832W, south of the Isle of Man, although it cannot be confirmed if the gear was snagged on the cable.

For further information: Hibernia cables with the new 24/7 Emergency Contact Number of: +353 1 867 3601
Fishing Hazard – Exposed Subsea Cable, Beam Trawl and Wire

Please be advised 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.

The position is: 55°22.915’N 06°35.917’W

It was advised that the fishermen cut away both sides of his fishing gear and up to 200 fathoms of wire rope.

Please exercise extreme caution whilst fishing in this area.

For further information: Alasdair Wilkie, Hibernia, Email: alasdair.wilkie@hibernianetworks.com, Tel: +44 1704 322 306, Mobile: +44 7850 770 577
Cable Repairs – TAT 14 (Segment K)

During the last four 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: Barry Peck, Sealine Marine Services, Email: bepeck@sealine.org.uk