Shaded blocks indicate activity.

What’s inside?

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**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.

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### New Hazards

**Area 1**

<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°00.063'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></td>
</tr>
</tbody>
</table>

**Area 2**

<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>Debris consists of 4-5 Large tyres with mud / cement connected by wire</td>
<td>57°46.170'N 00°53.090'E</td>
<td>06 April 2017</td>
<td>bbenneft@oil&amp;gasuk.co.uk</td>
<td></td>
</tr>
<tr>
<td>Installation of Rock Berm</td>
<td>57°24.661'N 01°35.731'W to 57°24.675'N 01°39.073'W</td>
<td>23 Mar 2017</td>
<td><a href="mailto:nick.strachan@uk.bp.com">nick.strachan@uk.bp.com</a></td>
<td></td>
</tr>
</tbody>
</table>

**Area 3**

<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>Potential Snags protruding 3.5 metres off the sea bed, which include pipeline infrastructure and two x 30&quot; diameter conductor guides</td>
<td>52°54.245'N 02°35.915'E</td>
<td>06 April 2017</td>
<td><a href="mailto:billy.sandiford@petrofac.com">billy.sandiford@petrofac.com</a></td>
<td></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 – Cable Laying

ABB will undertake cable laying and a simultaneous ROV survey of the as-laid cables during May, June and July 2017 using the CLV Victoria call sign: LAWV7 The Cable will be laid in 2 campaigns

Campaign 1 from Noss Head to approx. 58°06.416’N 002°35.737’W where the cable end will be wet stored.

Campaign 2 from Portgordon to approx. 58°06.416’N 002°35.737’W where the cable end will also be wet stored prior to omega jointing being carried out.

In nearshore waters at Noss Head the cables will be attached to an onshore winch wire and pulled through the pre-installed ducts.

At Portgordon, with assistance from 4 work boats, zodiacs and divers the cables will be floated in with the aid of flotation bags, attached to an onshore winch wire and pulled through the pre-installed ducts. Once the cables are anchored on shore the CLV Victoria will commence laying operations. Once both cables have been laid the ends will be lifted to deck and jointing operations will be carried out and the resulting omega joint laid down on the seabed. Until further notice 5 guard vessels will patrol along the cable route.

There is a working area 250m either side of the cable route centreline coordinates given by the route position list above and other seafarers are requested to keep clear during these operations.

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

Caithness - Moray HVDC Link – Diving Activity off Noss Head

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 the period May 2017 to end September 2017 in the areas shown below NKT will carry out diving operations to fit bell mouths and seals, grouting of HDD's and the fitting of cable protection systems.

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

The corner coordinates given above include a 250m working area for vessel manoeuvres and other seafarers are requested to keep clear during these operations.

58°40.527’N 003°01.615’W
58°40.527’N 003°02.164’W
58°40.821’N 003°02.164’W
58°40.821’N 003°01.615’W

The vessels that will be used during diving operations will be the Shuna and either the Teal or Woodstock 1 depending on availability.

The Teal or Woodstock 1 will be the dive support vessel and will deploy a 4 point mooring system, Shuna will handle anchors and be a support vessel.

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

Caithness - Moray HVDC Link – Trenching Operations

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.

Trenching Operations from 20/03/17 and 30/06/2017

Between: 57°39.807’N 003°01.903’W - 58°28.800’N 003°03.314’W

Vessel: Siem Ruby  MV C-Odyssey  Remote Sensor  Marine Sensor

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

Cables repair operations offshore Dover, please be informed that "repair" operations are now completed, and that "protection" operations are postponed and will take place during the spring.

In the meantime, we have repositioned the marking buoys securing the area, in order to reduce the exclusion zone : we have now delimited 2 smaller triangular exclusion areas.

The positions of the buoys are :

- 51°04.761’ N 1°16.849’ E
- 51°04.468’ N 1°17.008’ E
- 51°04.545’ N 1°16.409’ E

And

- 51°03.627’ N 1°15.929’ E
- 51°03.770’ N 1°16.610’ E
- 51°04.027’ N 1°15.763’ E

For further information: Valerie LEROY, Louis Dreyfus Tel: +33(0)4 42 18 34 11 email: vleroy@ldfravocean.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
**Exposed Cable Sections – CIEG Guernsey (Jersey 90kv Subsea Power)**

Please be advised that CIEG are planning to re-bury 2 sections of cable and the associated joints between the 15th May 2017 and the 22nd May 2017

It is imperative that Mariners keep a minimum distance of 500 meters between themselves and the ship to allow for underwater operations. Fishermen are asked to remove any fishing gear in the vicinity on or near the areas shown below prior to the ships arrival.

**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°26.594'N 002°31.191'W. The hairpin bight facing west south west extending for 70 meters to 49°26.887N 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

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**Isles Of Scilly Interlink Power Cable – Emergency Repair**

Please be informed that the repair operations are now complete for the Isles of Scilly cable.
The cable has been laid to a new position as shown in the table below.

<table>
<thead>
<tr>
<th>Lat</th>
<th>Long</th>
</tr>
</thead>
<tbody>
<tr>
<td>50°05.268'N</td>
<td>5°50.850'W</td>
</tr>
<tr>
<td>50°05.170'N</td>
<td>5°51.363'W</td>
</tr>
<tr>
<td>50°05.155'N</td>
<td>5°51.501'W</td>
</tr>
<tr>
<td>50°05.149'N</td>
<td>5°51.635'W</td>
</tr>
<tr>
<td>50°05.135'N</td>
<td>5°51.746'W</td>
</tr>
<tr>
<td>50°05.110'N</td>
<td>5°51.849'W</td>
</tr>
<tr>
<td>50°04.971'N</td>
<td>5°52.285'W</td>
</tr>
<tr>
<td>50°04.597'N</td>
<td>5°53.453'W</td>
</tr>
<tr>
<td>50°04.563'N</td>
<td>5°53.638'W</td>
</tr>
<tr>
<td>50°04.313'N</td>
<td>5°56.331'W</td>
</tr>
<tr>
<td>50°03.965'N</td>
<td>6°00.062'W</td>
</tr>
<tr>
<td>50°03.925'N</td>
<td>6°00.331'W</td>
</tr>
<tr>
<td>50°03.856'N</td>
<td>6°00.595'W</td>
</tr>
<tr>
<td>50°02.966'N</td>
<td>6°03.578'W</td>
</tr>
<tr>
<td>50°02.885'N</td>
<td>6°03.741'W</td>
</tr>
</tbody>
</table>

**For further information:** John Wrottesley, Global Marine Systems Ltd, Tel: +44 1245 702009 email: john.wrottesley@globalmarinesystems.com

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**Flag Atlantic-1 – Emergency Repair**

Please note on behalf of Alcatel Submarine Networks Ltd. has been contracted to undertake an emergency repair to the Flag Atlantic-1 (FA-1) submarine fibre optic telecommunications cable in UK territorial waters.
The cable system runs between Skewjack, UK and Northport, NY, USA. The C/S Peter Faber is scheduled to arrive on site on the 11th March at 03:30UTC to commence works. The repair will be approximately 7 days depending upon weather or other operational conditions.

**Repair Location:** 50°08.125'N 005°53.668'W

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

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

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)
Extreme caution should be exercised if working between: 49°39.163N 004°59.495W and 49°38.310N 004°56.427W

Section 2 – Repeater installation at 49°35.576N 4°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 3 – Repeater installation at 49°36.675N 3°35.040W (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
**Notice to Fishermen**

**Incorrect Plotter Data – BT-MT1 Telecoms Cable (Irish Sea)**

Published: 09 March 2017 | Latest Update: 09 March 2017

Please note that in error the BT-MT1 subsea telecommunications cable was NOT included on the KIS-ORCA fishing plotter data for January 2017. The cable is still active and care should be taken if fishing in the vicinity.

KIS-ORCA charts and www.KIS-ORCA.eu/map are unaffected.

Corrected plotter data has been produced and is available to download from www.KIS-ORCA.eu/downloads - for the full zip file of KIS-ORCA data click: [http://www.kis-orca.eu/media/27588/ALL_KIS-ORCA_Plotters_2017v2.zip](http://www.kis-orca.eu/media/27588/ALL_KIS-ORCA_Plotters_2017v2.zip)

Corrected USB cards will be issued in June 2017 - please contact Kingfisher if you would like help, or new USB cards supplying before this time.

For further information: Kingfisher Information, Tel: 01472 252307, Email: kingfisher@seafish.co.uk

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**Notice to Fishermen**

**Exposed Cable and Poor Burial – Sirius South Cable**

Published: 03 December 2015 | Latest Update: 03 December 2015

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

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**Notice To Fishermen**

**Hazard - Hibernia Segment C – Abandoned Gear & Vulnerable Cable**

Published: 08 October 2015 | Latest Update: 12 January 2017

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

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**Notice To Fishermen**

**Fishing Hazard – Exposed Subsea Cable, Beam Trawl and Wire**

Published: 19 December 2013 | Latest Update: 13 June 2014

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.

For further information: Alasdair Willie, Hibernia, Email: alasdair.willie@hibernianetworks.com; Tel: +44 1704 322 306, Mobile: +44 7850 770 577

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**Stay up to date**
Always ensure you have the latest Kingfisher Bulletin and offshore fishing plotter data.

Stay up to date Know when to expect the next update!
Mariners are advised that the vessel HAM 602 has now completed rock placement works in Ardneil Bay.

Cable laying operations

The *Giulio Verne* arrived on site in late March 2017 (see our update here). *Giulio Verne* will joint the cable previously laid on the seabed with a length of cable aboard the vessel, which will then be surface laid to KP58 (near Ailsa Craig) where it will be jointed with the previously laid Campaign 6.

The cable will be buried by post-lay jetting along the route by the vessel *Normand Pacific* which is expected to be on site in April.

Details of the cable route and burial methodology are provided in the Notice to Mariners issued in March which can be downloaded here.

Exposed cable locations

There are several sections of exposed cable along the cable route at locations where cable burial or protection has not been possible and at some remaining 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 15th March 2017) has been compiled. This list is included in 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:-

- **Western HVDC Link: Cable Installation Campaigns 4b (Firth of Clyde) and 5a (Irish Sea)** - this is the notice described above. It was issued on 29th March 2017 and provides an update on proposed cable installation work in the Firth of Clyde and the Irish Sea. It can be downloaded here.
- **Exposed cable locations: Update, Irish Sea North Channel, Firth of Clyde** - this notice was issued on 16th March 2017 and provides an update on exposed cable locations in these areas. The notice can be downloaded here.
- **Debris** - this notice was issued on the 15th March 2017. It informs mariners of the location of some debris that was found during the Pre Lay Grapnel Run along the cable route to the south of the Isle of Man. The notice can be downloaded here.
- **Survey works of cable installation in Liverpool Bay, Irish Sea, North Channel and Firth of Clyde** - this notice was issued on 1st March 2017. It provides an update on survey work that is due to be conducted along the installed cable route. 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 Campaign 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
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](http://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