Shaded blocks indicate activity.

What's inside?

**New Hazards** (p.3)

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

**Area 2** (p.5)
1. Notice to Fishermen

**Area 3** (p.6-7)
1. Notice to Fishermen

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

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**Area 6** (p.11)
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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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### Area 1 Hazard List

<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>Lost Skip</td>
<td>8 ft x 10 ft, Approx weight 2.5 ton - 3.0 ton tare weight</td>
<td>60°24.317'N 003°57.917'W</td>
<td>14 Dec 2017</td>
<td><a href="mailto:NormandSubsea.OM@Subsea7.com">NormandSubsea.OM@Subsea7.com</a></td>
</tr>
<tr>
<td>Anchor/scrap steel chain from previous Metocean Buoy</td>
<td>59°40.966'N 001°07.947'E</td>
<td>30 Nov 2017</td>
<td><a href="mailto:eusi@statoil.com">eusi@statoil.com</a></td>
<td><img src="https://twitter.com" alt="Twitter" /></td>
</tr>
<tr>
<td>New wellhead</td>
<td>60°40.123'N 02°23.828'W</td>
<td>16 Nov 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>Large Tyre Fender</td>
<td>59°36.400'N 001°08.500'E</td>
<td>02 Nov 2017</td>
<td><a href="mailto:rawe@statoil.com">rawe@statoil.com</a></td>
<td><img src="https://twitter.com" alt="Twitter" /></td>
</tr>
<tr>
<td>Crane span, approximate size: 5ft x 3.5ft and 1.3 tonnes</td>
<td>58°28.199'N 000°25.988'E</td>
<td>05 Oct 2017</td>
<td><a href="mailto:r.hall@sff.co.uk">r.hall@sff.co.uk</a></td>
<td><img src="https://twitter.com" alt="Twitter" /></td>
</tr>
<tr>
<td>Pipeline span length 21m Height 2m</td>
<td>60°54.521'N 001°37.699'E</td>
<td>24 Aug 2017</td>
<td><a href="mailto:jonathan.hoare@cnrl.com">jonathan.hoare@cnrl.com</a></td>
<td><img src="https://twitter.com" alt="Twitter" /></td>
</tr>
<tr>
<td>AXS Bundle span - Alba Field 10m span length and 0.8m span depth</td>
<td>58°02.592'N 001°05.106'E to 58°02.607'N 001°05.088'E</td>
<td>29 June 2017</td>
<td><a href="mailto:pat.dasgupta@chevron.com">pat.dasgupta@chevron.com</a></td>
<td><img src="https://twitter.com" alt="Twitter" /></td>
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</tbody>
</table>

### Area 2 Hazard List

<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>CATS Pipeline (Groups of structures)</td>
<td>57°01.734'N 001°12.154'E, 57°22.089'N 001°28.205'E, 57°01.752'N 001°12.124'E, 56°39.909'N 001°12.196'E</td>
<td>30 Nov 2017</td>
<td><a href="mailto:blair.mckay@woodplc.com">blair.mckay@woodplc.com</a></td>
<td><img src="https://twitter.com" alt="Twitter" /></td>
</tr>
<tr>
<td>Disused Well over abandoned 30/19-1</td>
<td>56°26.754'N 002°42.194'E</td>
<td>02 Nov 2017</td>
<td><a href="mailto:jes.joensen@maerskoil.com">jes.joensen@maerskoil.com</a></td>
<td><img src="https://twitter.com" alt="Twitter" /></td>
</tr>
<tr>
<td>Clump weight ballast. Approx 100Kg 70cm in diameter and 25cm tall.</td>
<td>57°04.674'N 002°04.542'E</td>
<td>11 Oct 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>
</tbody>
</table>

### Area 3 Hazard List

<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>Pipeline span: Juliet Export Line 15m x 1.3</td>
<td>53°33.726'N 00°59.092'E</td>
<td>07 Sept 2017</td>
<td><a href="mailto:david.hawkins@gdfsuezep.co.uk">david.hawkins@gdfsuezep.co.uk</a></td>
<td><img src="https://twitter.com" alt="Twitter" /></td>
</tr>
<tr>
<td>Wreck of MV Ella</td>
<td>52°25.230'N 001°49.670'E</td>
<td>11 July 2017</td>
<td><a href="mailto:lee.cornwell@innogy.com">lee.cornwell@innogy.com</a></td>
<td><img src="https://twitter.com" alt="Twitter" /></td>
</tr>
</tbody>
</table>

### Area 4 Hazard List

<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>Replica Mines SADAF 02 Mine Shape</td>
<td>50°17.301'N 004°15.983'W, 50°17.897'N 004°15.100'W</td>
<td>14 Dec 2017</td>
<td><a href="mailto:Robert.Montgomery685@mod.uk">Robert.Montgomery685@mod.uk</a></td>
<td><img src="https://twitter.com" alt="Twitter" /></td>
</tr>
</tbody>
</table>

### Area 5 Hazard List

<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>2 x pipeline spans 2 metres high and 16 metres and 12 metres long</td>
<td>54°59.484'N 005°13.235'W</td>
<td>25 July 2017</td>
<td><a href="mailto:kingfisher@seafish.co.uk">kingfisher@seafish.co.uk</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

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

During December 2017, NKT will use the vessel Grand Canyon Calls Ign: 3ERR8 and T1200 to carry out jet trenching in the two areas. Remedial jet trenching will be carried out in Area 1 between 57° 48.9’N 02° 55.8’W and 57° 59.4’N / 02° 43.9’W and in Area 2 at the omega joint location 58° 06.335’ N 02° 35.498’ W. The vessel will be on DP throughout these operations (approx. 9 days) and other seafarers are requested to keep clear.

There is a 250m working area either side of the route in Area 1 and a working area of 750m around the omega joint in Area 2. Guard vessels will be patrolling in the vicinity of both areas of operation.

Removal of stuck cable Update
HDD’s 1-4 at Portgordon were successfully drilled earlier in 2017. During cable pull in through HDD 4 in July the cable became stuck after 737m and could not be pulled back. In order to resolve this issue the affected cable duct will be pushed out from the shore side drill site using a drill rig and new 274 mm cable ducts will be added to the end of the pre-installed duct.

UPDATE
Further to Notice to Mariners issued on 06/12/2017, the Woodstock 1 will be replaced by the AHV Whalsa Lass, support vessels Shuna and Rona will remain in attendance. The vessel is equipped with 2 x Heila HLRM 230 3SL | 10 T @ 16.5m deck cranes for lifting the cut sections of HDD duct to deck. The work is planned to commence on 11 December 2017. These operations are weather sensitive and therefore, it is anticipated that this work may not be concluded until January 2018.

Work area:
1. 57°40.900’N 003°02.100’W
2. 57°40.900’N 003°01.600’W
3. 57°40.500’N 003°01.600’W
4. 57°40.500’N 003°02.100’W

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 theShefa-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

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Work area:

<table>
<thead>
<tr>
<th>Area</th>
<th>Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>57°40.900’N 003°02.100’W</td>
</tr>
<tr>
<td>6</td>
<td>57°40.900’N 003°01.600’W</td>
</tr>
<tr>
<td>7</td>
<td>57°40.500’N 003°01.600’W</td>
</tr>
<tr>
<td>8</td>
<td>57°40.500’N 003°02.100’W</td>
</tr>
</tbody>
</table>

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

Cable Repairs – IFA 2000

As communicated in March 2017, the repair of four cables of IFA 2000 link has been completed, but some lengths of these power cables are still exposed and represent a hazard for Fishermen (and the cables themselves).

Caution should therefore be exercised in this area until the protection operations have been carried out.

Six marking buoys securing the area have been left on site.

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
- 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@ldtravocean.com
NorSeaCom Seg 3 – Cable Repairs

Global Marine has been contracted to undertake three emergency repair operations to the NorSea Com-1 Seg 3 submarine fibre optic telecommunications cable in the North Sea.

The CS Wave Sentinel is Now to relocate to commence repair works. The estimated locations and planned order of works are as follows:

- 1st Location: 53°12.212'N 02°24.229'E - Completed
- 2nd Location: 52°56.584'N 02°23.989'E - Completed
- 3rd Location: 52°35.800'N 02°15.600'E - Where ROV inspection and burial will take place

The duration of the cable repairs will be approximately 15 days depending upon weather and other operational conditions.

For further information: John Wrottesley, Global Marine Group, Tel: +44 1245 702009 email: john.wrottesley@globalmarine.group

Nemo Link – Cable Lay Cable Burial

Mariners are advised that the Nemo Link project will be carrying out cable burial activates from Pegwell Bay, UK along the Nemo cable route into French territorial waters. This additional works will commence mid November 2017.

The Deep Helder Call Sign: PBYU will perform Mass Flow Excavation (MFE) operations, verification survey using Workclass ROV, and mattress deployment along the Nemo cable route up to a location in French territorial waters.

- MFE, Verification survey and concrete mattresses installation : 25/11/17 to 15/12/17

For further information: NemoMarineCoordinator@Deepoceangroup.com
**Survey – Aquind Interconnector Survey**

MMT, on behalf of Aquind Ltd, will be carrying out a Geophysical and Unexploded Ordinance (UXO) survey along the proposed UK section of the Aquind cable route, between Eastney, near Portsmouth and the limit of the UK EEZ.

Two additional support vessels are required - The FPV Morven will shadow the MV Seabeam (inshore survey vessel) and the Wessex Explorer will shadow the MV Franklin (offshore survey vessel). An offshore Fisheries Liaison Officer (FLO) will be stationed on each viewing vessel.

<table>
<thead>
<tr>
<th>Company, Vessel &amp; Call Sign</th>
<th>Area</th>
<th>Area</th>
<th>Start Timeframe &amp; Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>MMT MV Seabeam Call sign: 2BGN2 (14th – 25th November)</td>
<td>See map link (top right)</td>
<td>See map link (top right)</td>
<td>16 Nov – 31 Dec 2017</td>
</tr>
<tr>
<td>MV Franklin Call sign: SEIN (16th November – 15th December)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

For further information, please contact: Tom Darley, Brown and May, T: 01379 870181, E: Tom.darley@brownmay.com
Cable Protection Operations – Isles of Scilly Interlink Submarine Power Cable

CWind, part of Global Marine Group has been contracted to undertake cable protection operations to the Isles of Scilly Interlink submarine power cable in the Celtic Sea owned by Western Power Distribution.

Please be aware that works on the mattressing operations are now complete.

<table>
<thead>
<tr>
<th>Coordinates</th>
<th>Heading</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mattress 1</td>
<td>50°04.730’N 005°53.853’W 327°</td>
</tr>
<tr>
<td>Mattress 2</td>
<td>50°04.730’N 005°53.855’W 324°</td>
</tr>
<tr>
<td>Mattress 3</td>
<td>50°04.728’N 005°53.857’W 325°</td>
</tr>
</tbody>
</table>

For further information: John Wrottesley, Global Marine Group, Tel: +44 1245 702009 email: john.wrottesley@globalmarine.group

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 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, Network Marine, Email: colinrichards@networkmarine.co

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 04°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 03°35.045W (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
Mariners are advised that following recent survey work along the Western HVDC Link cable route an area of cable has been found to require rock protection to ensure that it is adequately buried. The location of this area is illustrated in a Notice to Mariners that can be downloaded here and is summarised below.

**Location**
The shallow water cable installation was completed in Liverpool Bay in 2015. Recent survey work has found that some remedial cable protection work is require to ensure that the cable is adequately buried. The area affected extends for approximately 450m. The location of this area is given below.

- From 053°31.649'N 003°33.459'W to 053°31.772'N 003°33.063'W

Fishing vessels are advised to remain a safe distance (approximately 1.5 nautical miles) from the area identified in the Notice to Mariners.

**Guard vessels**
A guard vessel is being mobilised to monitor this area and provide advice to mariners operating in the vicinity.

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

- Western HVDC Link: Exposed cable, Liverpool Bay - this notice is described above. It was issued on the 11th October 2017 and provides information about a short length of exposed cable in Liverpool Bay. The Notice to Mariners can be downloaded here.

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

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**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

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**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
Notice To Fishermen

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: Colin Richards, Network Marine, Email: colinrichards@networkmarine.co