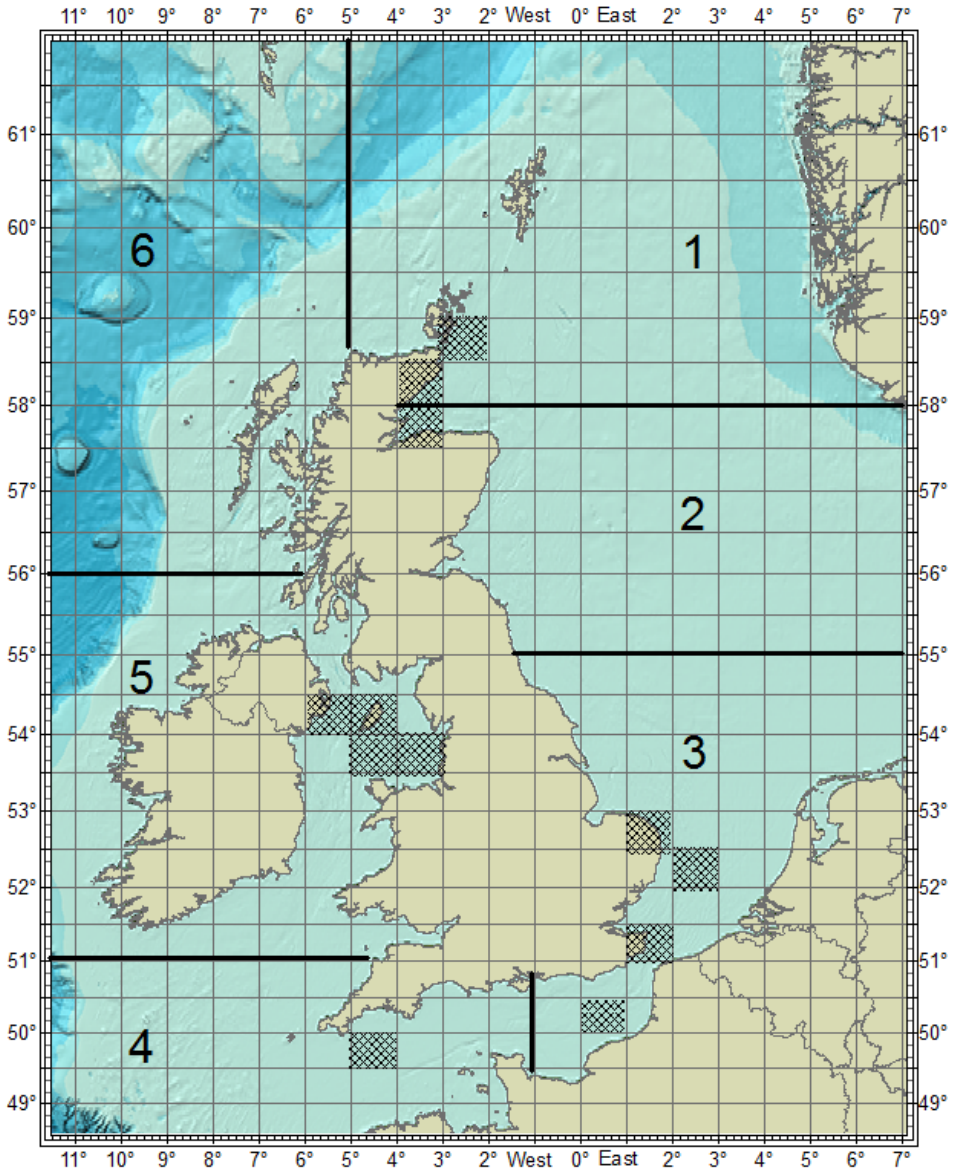
The Kingfisher Bulletin

Offshore News

SUBSEA CABLES

08 MARCH 2018 | ISSUE 05

Shaded blocks indicate activity.



What's inside?

SEAFISH | The Kingfisher Information Service

t: +44 (0)1472 252 307 | e: kingfisher@seafish.co.uk
@KingfisherInfo | www.kingfishercharts.org

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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High-Risk Cables

Area 1 High-Risk Cables

Hazard Type	Position	Issue Date	Contact Details	Map
Cable: **SHEFA 2** Risk: **Exposed cable sections**	58°47.208'N 002°46.617'W and 58°47.300'N 002°46.763'W	17 Dec 2012	*Tel: +298243602, Email: phv@ft.fo, brr@ft.fo*	

Area 3 High-Risk Cables

Hazard Type	Position	Issue Date	Contact Details	Map
Cable: **Concerto 1 North** Risk: **Multiple cable repairs**	Various repairs See Twitter Map	10 Sept 2015	*Neil Donovan, Interoute Communications Ltd, e-mail: neil.donovan@interoute.com*	

Area 4 High-Risk Cables

Hazard Type	Position	Issue Date	Contact Details	Map
Cable: **Apollo South** Risk: **Exposed cable sections**	49°04.76N 006°41.59W	08 Oct 2015	*colinrichards@networkmarine.co*	
Cable: **Hugo segment 1** Risk: **Multiple cable repairs**	Various repairs See Twitter Map	02 June 2015	*Jon Ford at Vodafone, Tel: +44 7776 165571 email: jon.ford@vodafone.com*	

Area 5 High-Risk Cables

Hazard Type	Position	Issue Date	Contact Details	Map
Cable: **Hibernia Atlantic Segment C** Risk: **Exposed cable sections & hazard**	53°50.340N 004°55.832W	12 Jan 2017	*Hibernia cables with the new 24/7 Emergency Contact Number of: +353 1 867 3601*	
Cable: **Sirius South Cable** Risk: **Exposed cable sections**	Various repairs See Twitter Map	03 Dec 2015	*peter.jamieson@virginmedia.co.uk*	
Cable: **Hibernia Atlantic** Risk: **Exposed cable sections & hazard (fishing beam trawl and wire)**	55°22.915'N 6°35.917'W	13 June 2014	*Hibernia cables with the new 24/7 Emergency Contact Number of: +353 1 867 3601*	

Area 6 High-Risk Cables

Hazard Type	Position	Issue Date	Contact Details	Map
Cable: **TAT 14 Segment K** Risk: **Multiple cable repairs**	Various repairs See Twitter Map	12 Jan 2017	*Colin Richards, Network Marine, Email: colinrichards@networkmarine.co* ***[Chart translations available upon request]***	

Notice To Fishermen

First Published: 25 January 2018 | **Latest Update: 25 January 2018**

KIS-ORCA Information – 2018 Now Available

Map Link

The latest release of the KIS-ORCA data is now being distributed to fishermen and is available to download here.

KIS-ORCA Data 2018 contains the latest renewables and cable information and is available for the following fishing plotter systems: Sodena, Maxsea, Olex, Penta, SIS MicroPlot, Transas Navifisher, Litton FishMaster, TMPlanner Quodfish, Trax and also your FishSAFE Unit.

For further information: *Kingfisher Information, using the details at the foot of this page.*

Notice To Fishermen

First Published: 22 February 2018 | **Latest Update: 27 February 2018**

Lerwick - Bressay Submarine Electricity Cable – Removal

Please be advised that Briggs Marine Contractors (on behalf of SHEPD) will be undertaking the removal of the redundant 11kV submarine electricity cable running between Lerwick Harbour and Heogan on Bressay. It is to be removed under the terms of an earlier Works Licence between Lerwick Port Authority and SHEPD, which saw the cable being replaced by a new directional drilled subsea cable in early 2016.

The work, which will involve dive operations, will utilise two different vessels during operations:

- Forth Guardsman Call Sign: ZIVU6
- MPC Advance Call Sign: 2CYG9

The cable removal work will be concentrated across the cable corridor, close to the water main, within the boundary defined by the following coordinates. These operations will commence during an appropriate weather window following 15/03/2018 and will continue over a planned minimum period of 7 days, weather permitting.

60°10.492'N 001°09.290'W	60°10.513'N 001°09.078'W
60°10.494'N 001°09.268'W	60°10.514'N 001°09.067'W
60°10.496'N 001°09.247'W	60°10.515'N 001°09.057'W
60°10.497'N 001°09.237'W	60°10.516'N 001°09.046'W
60°10.498'N 001°09.227'W	60°10.517'N 001°09.035'W
60°10.499'N 001°09.215'W	60°10.518'N 001°09.025'W
60°10.500'N 001°09.205'W	60°10.519'N 001°09.014'W
60°10.501'N 001°09.195'W	60°10.520'N 001°09.003'W
60°10.502'N 001°09.184'W	60°10.522'N 001°08.982'W
60°10.503'N 001°09.173'W	60°10.523'N 001°08.972'W
60°10.504'N 001°09.163'W	60°10.524'N 001°08.961'W
60°10.505'N 001°09.152'W	60°10.526'N 001°08.939'W
60°10.506'N 001°09.141'W	60°10.528'N 001°08.919'W
60°10.507'N 001°09.131'W	60°10.530'N 001°08.897'W
60°10.509'N 001°09.120'W	60°10.532'N 001°08.876'W
60°10.510'N 001°09.110'W	60°10.534'N 001°08.854'W
60°10.511'N 001°09.099'W	60°10.534'N 001°08.850'W
60°10.512'N 001°09.088'W	

The removal operations will be undertaken by the Forth Guardsman and MPC Advance pictured below. The vessels will operate simultaneously during the cable removal.

During operations the Forth Guardsman will be restricted in the ability to manoeuvre along the cable route. Work will be conducted during daylight hours and the vessel will revert to an overnight position outwith the dredged channel.

Whilst operations will seek to minimise disruption on the width of the main navigation channel, some disruption may be unavoidable during operations when an exclusion zone will be in place along the cable route. During diving operations, a 200m exclusion zone will be required; constant communication between the operator and Port Control will keep this to a minimum.

Vessels will be required to communicate with Port Control during the works. Should any vessel wish to come within 200m of Forth Guardsman then direct communication with Forth Guardsman is required.

It is anticipated that the marine operations and cable removal will take 4 days to complete, weather permitting.

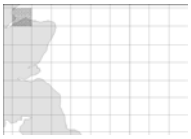
For further information: *Alex Winrow-Giffin Brown & May Marien, Tel: 01379 872144 email: alex@brownmay.com*

Notice To Fishermen

First Published: 15 June 2017 | **Latest Update: 06 March 2018**

Caithness - Moray HVDC Link

Map 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 the period 15 February 2018 to 30 April 2018 NKT will undertake the first of two backfill campaigns using the Siem Ruby and SCAR seabed system. Operations will take place at a number of locations between 58° 20.870' N 02° 43.230' W and the revised southern limit of backfill operations 57° 45.340' N 02° 59.720' W along the Caithness - Moray Cable Route.

There is a working area 250m either side of the cable route centreline and other seafarers are requested to keep clear during these operations, guard vessels will be patrolling in the vicinity.

The second campaign is expected to commence in May 2018 and will be the subject of a future Notice to Mariners.

Details of the vessel that will be used for backfill operations: AHV Siem Ruby Call Sign: LKJV

During the period 15 February 2018 to 15 April 2018 (operations are very weather dependent), NKT will use the cable lay vessel (CLV) Victoria supported by the Multicat C-Fenna to complete the cable installation to shore at Portgordon. Operations will be carried out in the working area shown on the chart below.
The installation work at Portgordon will be carried out in a working area defined by the following coordinates:

A - 57° 42.697' N 003° 01.906' W
B - 57° 42.698' N 003° 01.300' W
C - 57° 40.538' N 003° 01.551' W
D - 57° 40.539' N 003° 02.155' W

Operations will include the following:
1) Recovery & Relay of Wet Stored 'J Loop' (2 days) - Vessel: CLV Victoria
The cable bundle which is to be installed in to the Portgordon landfall is currently laid in a temporary 'J loop' wet storage configuration between approximately kilometre point (KP) 5 and 2.5. The cable bundle is stabilized with several rock bags. CLV Victoria will recover the rock bags and subsequently the wet stored cable starting from the temporarily laid cable end at KP5. The cable bundle will be recovered back to approximately KP3. On completion of recovery the cable bundle will be re-laid with the bundle separated into two, one DC cable and one bundled DC with fibre optic cable. The cables will be cut to length for jointing and the two ends deployed at approximately KP3.15 and KP3.4.

2) Pull Out of Winch Wires Portgordon (1 day per Horizontal Directional Drilling (HDD) Duct) - Vessel: Multicat C-Fenna
Three shore pull in winch wires will be hauled out through the HDD ducts prior to arrival of CLV Victoria at Portgordon. This work will be done using a Multicat moored off the end of the HDDs at approximately KP1.6. The Multicat will haul out the winch wires using previously installed messenger wires. The pull out will be done using a winch on board the Multicat with the Multicat stationary in a four point mooring. During pull out the HDDs will be lubricated internally using a pigging device. Each point of the 4 point mooring is arranged with a 24te clump weight placed on the seabed by the Multicat itself. The Multicat will also place 6 off similar mooring points in planned positions extending out to approximately KP2.4. All moorings are contained within the working area defined above. These will be used at a later stage.

3) Float Out / Pull In of cable at Portgordon (1 day per HDD Duct) - Vessels: CLV Victoria, Multicat C-Fenna, 4 x 7m workboats, 2 x 5.5m RIBs and 1 x 14m workboat Coral Wind as MMO observer vessel / crew transfer vessel. The workboats and RIBs will operate from Buckie Harbour.

CLV Victoria will set up on the cable route at approx KP2.5. The Multicat will set up off the first HDD duct using the same mooring pattern as for pull out of the winch wires. The end of the first cable will be connected to a towing line and towed by one of the 7m workboats toward the Multicat moored at the HDD duct / KP1.6. As the cable is paid out from the CLV Victoria floats will be attached. On reaching the Multicat the cable end will be connected to the winch wire previously installed in the HDD duct. Hauling will commence from shore. The cable will be drawn up and over the Multicat and through the HDD. Cable floats will be removed at the Multicat and returned to the CLV Victoria. A cable tensioner on the Multicat will be used to control the cable catenary entering the HDD duct subsea. On completion of the pull the Multicat will move along the cable toward the CLV Victoria removing floats and sinking the cable in to the pre-cut trench. This work will be conducted with the Multicat winching itself between the 6 mooring points installed at the previous stage. On reaching KP2.5 the cable with floats attached will be lifted overside. The Multicat will slip its moorings and clear away from the cable. The CLV Victoria will then recover the short section with floats attached, remove floats and lay away placing the cable in the pre-cut trench.

4) Lay Down at Jointing Position (1/2 day per HDD) - Vessel: CLV Victoria

On reaching the jointing position CLV Victoria will lay down the cable end in the configuration planned for jointing. Steps 3 and 4 will be repeated for the remaining 2 cables.
5) Cable Jointing (10 days) - Vessel: CLV Victoria

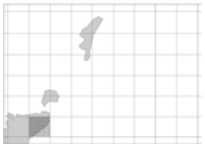
For further information: Richard Creed, ABB Tel: +44 7802 225532 email: Richard.creed@se.abb.com

Survey

First Published: 25 January 2018 | **Latest Update: 30 January 2018**

Survey – Caithness Mainland to Orkney Subsea Link - SSE

Mariners are advised that survey equipment will be used in the area of Caithness to Stromness and the inland waters around Orkney.



Company, Vessel & Call Sign	*Area*	*Area*	*Start Timeframe & Duration*
MMT Stril Explorer – LAZT7 Seabeam – 2BGN2	**Dounreay to Warebeth** 58°35.000'N 003°47.000'W 58°47.000'N 003°35.000'W 58°57.000'N 003°20.000'W **Hoy-Graemsay-Orkney** 58°55.000'N 003°18.000'W 58°55.000'N 003°12.000'W 58°52.000'N 003°12.000'W **Hoy-Flotta** 58°50.000'N 003°12.000'W 58°50.000'N 003°09.000'W 58°48.000'N 003°11.000'W 58°48.000'N 003°09.000'W	**Flotta-South Ronaldsay** 58°51.000'N 003°04.000'W 58°48.500'N 003°04.000'W 58°48.500'N 003°01.000'W 58°51.000'N 003°01.000'W **South Ronaldsay-Burray-Orkney** 58°45.000'N 002°56.000'W 58°44.000'N 002°50.000'W	31 January 2018 For 70 Days

For further information, please contact: *Martin Godfrey (MMT Project Manager), Tel: +44 1295 817 748 email: martin.godfrey@mmt.se*
Kalle Flink (MMT Operations) Tel: +46 708 11 28 43 email: kale.flink@mmt.se

Survey

First Published: 25 January 2018 | **Latest Update: 18 February 2018**

Survey – Havfrue Subsea Cable System

TE Subsea Communications LLC has contracted Fugro to carry out a cable route survey for the proposed cable system.

The HAVFRUE cable system is a planned transatlantic telecommunication network that will connect the United States of America and Europe. This cable system design spans nearly 8,179 km with initial landing points in four markets, including the USA, Ireland, Norway and Denmark, plus a possible option in Germany.

Company, Vessel & Call Sign	*Area*	*Area*	*Start Timeframe & Duration*
Fugro MV Fugro Discovery 3EKE6	**Entering the UK EEZ in this point** 56°32.500'N 011°27.637'W **Entering the UK TW in this point** 59°42.631'N 001°52.917'W	**Leaving the UK TW in this point** 59°36.828'N 001°13.744'W **Leaving the UK EEZ in this point** 59°07.157'N 001°39.839'E	09 February 2018 For 4 Weeks

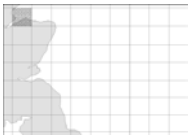
For further information, please contact: *Marc Kebbel, Fugro, Tel: +49 421 22 39 150 email: m.kebbel@fugro.com*

Notice To Fishermen

First Published: 15 June 2017 | **Latest Update: 06 March 2018**

Caithness - Moray HVDC Link

Map Link



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

Notice To Fishermen

Published: 18 May 2014 | **Latest Update: 23 January 2018**

Western HVDC Link – Rock Replacement Works

Map Link

Map Link

Change of Emergency Contact Number - 07508008515

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.

Rock placement work is due to be carried out at 4 locations:-

- **Liverpool Bay:** in an area extending for 450m, between the points 053°31.649'N 003°33.459'W to 053°31.772'N 003°33.063'W. A notice to mariners advising of exposed cable in this area was issued in October 2017, and this area has been patrolled by a Guard Vessel.
- **South of the Isle of Man:** two small areas of rock protection will be installed here:-
  - Approximately 30m between 053° 53.722'N 004° 28.870'W and 53° 53.722'N 004° 28.846'W
  - Approximately 17m between 053° 53.916'N 004° 35.567'W and 53° 53.915'N 004° 35.552'W
- **West of the Isle of Man:** a bight in the cable covering approximately 20m between 054° 21.597'N 005 14.458'W and 54° 21.593'N 005° 14.456'W

This work is due to commence on the **16th December 2017.** A map showing the rock placement locations can be downloaded here.

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

Change of Emergency Contact Number - 07508008515

Extra

Local Awareness Charts

Chart	Area	Location	Turbines	Developer	Completed	Link
Barrow	5	7km dudgeon Island	30	Orsted	1 Jul 2006	Download
Blyth	2	1km N.E Coast	2	E.ON	-	Download
Burbo Bank	5	5.2km Crosby	25	Orsted	27 Oct 2007	Download
Dudgeon	3	38km Outer Wash	67	Statkraft / Statoil	-	Download
Greater Gabbard	3	26km off Orford, Sufflk	140	SSE & RWE Npower / Innogy	7 Sept 2012	Download
Gwynt y Mor	5	13km off N Wales Cst	160	RWE Innogy / SWM	18 Jun 2015	Download
Gunfleet Sands 1, 2 & 3	3	8.5km off Clacton-On-S	50	Orsted	19 April 2010	Download
Humber Gateway	3	8km off Holderness Cst	73	E.ON UK	5 Jun 2015	Download
Hywind	2	25km off Peterhead	5	Statoil	-	Download
Inner Dowsing	3	5km off Skegness	27	Siemens	30 Mar 2009	Download
Kentish Flats	3	9km off Whitstable	30	Vattenfall	1 Oct 2015	Download
Lincs	3	8km off Skegness	75	Centrica	10 Oct 2013	Download
London Array	3	24km off Clacton-on-S	175	Orsted	1 May 2013	Download
Lynn	3	5km off Skegness	27	Siemens	30 Mar 2009	Download
North Hoyle	5	7.5km off Prestatyn	30	RWE Innogy UK	1 Dec 2003	Download
Race Bank	3	27km Lincolnshire	91	Orsted	-	Download
Ormonde	5	off Walney Island	30	Vattenfall	22 Feb 2012	Download
Rampion	3	Off Sussex Coast	116	E.ON UK Renewables	-	Download
Rhyl Flats	5	8km Abergele	25	RWE Innogy UK	2 Dec 2009	Download
Robin Rigg	5	9.5km Maryport	60	E.ON UK Renewables	16 Apr 2010	Download
Scroby Sands	3	3km NE Great Yarmth	30	E.ON UK Renewables	1 Mar 2004	Download
Sheringham Shoal	3	Sheringham, Grtr Wash	88	Statkraft / Statoil	27 Sep 2007	Download
Teesside	3	1.5km NE Teesmouth	27	EdF ER	1 Aug 2013	Download
Thanet	3	11km Foreness Point	100	Vattenfall	23 Sept 2010	Download
Walney 1	5	14km Walney Island	51	Orsted / SSE (+ prtnrs)	9 Jan 2012	Download
Walney 2	5	14km Walney Island	51	Orsted / SSE (+ prtnrs)	9 Jan 2012	Download
West of Duddon Sands	5	14km Walney Island	108	Scottish Power / Orsted	30 Oct 2014	Download
Westermost Rough	3	25km north of Spurn P	35	Orsted	26 Mar 2015	Download

National Awareness Charts

Chart	Link
North Sea North & West	Download
North Sea Central	Download
North Sea South	Download
English Channel	Download
South Western Approaches	Download
Irish Sea	Download
Baltic North	Download
Baltic South	Download

National Fishing Plotter Files

File	Link
Kingfisher Fishing Plotter Files – KIS-ORCA January 2018 (Subsea Cables and Wind Farms)	Download