# Shetland HVDC Link
## Shetland to Caithness
# Notice to Mariners

| | |
|---|---|
| **NtM Number** | **Shetland HVDC Link/017** |
| **Date of Issue** | **11/11/2021** |

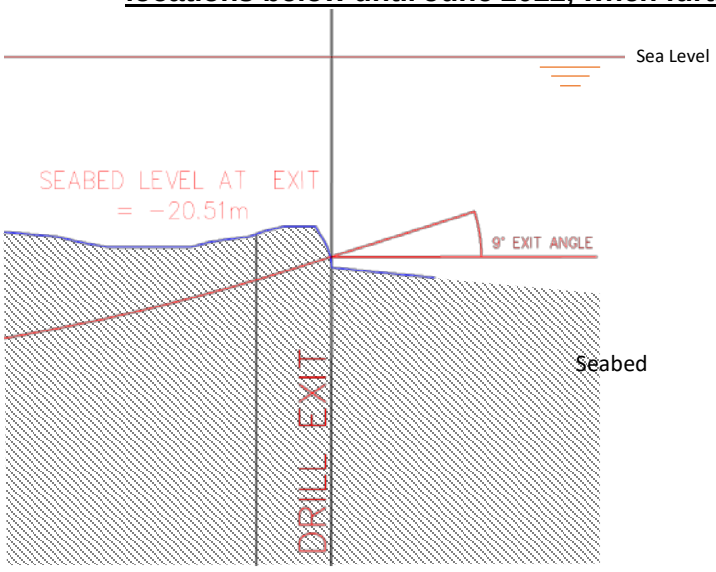
## 1 Planned Activity

The Shetland HVDC link is a critical electricity transmission link and will form part of the electrical transmission grid that is essential to the transport of renewable energy between the locations where it is generated and areas of demand, and the delivery of both Scotland's and the United Kingdom's 2030 climate change targets. As part of the installation schedule Horizontal Directional Drilled (HDD) exit points have been installed by NKT, on behalf of Scottish Hydro Electric Transmission Plc, at Noss Head. The HDD exit points are located approximately 400m offshore in around 20m depth of water.

This Notice is issued to make mariners aware of the presence of three ducts protruding from the seabed at this location. Three steel pipe ducts have been installed with trajectories that emerge from the seabed around 400m offshore. The ducts have been pushed out from each of the three HDD exit points and extend up to 4m into the water column at an angle of approximately 9º to the horizontal as shown in the diagram and illustrated in the photograph.

The moorings and anchors used to assist with diving operations for the HDD installation activities have been fully recovered, therefore the HDD exit point area is no longer identified by marker buoys.

**It is recommended that mariners remain vigilant and make note of the approximate HDD exit locations below until June 2022, when further installation works are scheduled.**




Cross Section through water column and seabed at duct exit point

Photo of the HDD3 exit point showing the protruding duct

All positions quoted in WGS84 UTM Zone 30N and in degrees and decimal minutes

| HDD Exit Reference | Easting | Northing | Latitude | Longitude |
|---|---|---|---|---|
| **Location of duct exit protrusion** | | | | |
| HDD 1 | 497342.15 | 6480567.40 | 58° 27.9455' N | 003° 02.7335' W |
| HDD 2 | 497324.33 | 6480561.46 | 58° 27.9424' N | 003° 02.7518' W |
| HDD 3 | 497302.69 | 6480555.62 | 58° 27.9392' N | 003° 02.7741' W |
| **End of duct protrusion** | | | | |
| HDD 1 | 497344.78 | 6480565.93 | 58° 27.9448' N | 003° 02.7308' W |
| HDD 2 | 497325.90 | 6480560.67 | 58° 27.9419' N | 003° 02.7502' W |
| HDD 3 | 497306.54 | 6480554.33 | 58° 27.9385' N | 003° 02.7701' W |

| Length of Duct Beyond Seabed Exit Point | |
|---|---|
| HDD 1 | 2.94 m |
| HDD 2 | 1.76 m |
| HDD 3 | 4.06 m |

| 2 Outline Programme of Works | | |
|---|---|---|
| HDD exit point site | Start date: 11/11/2021 | Estimated Completion Date: 30/06/2022 |
| **These dates are subject to weather permitting, and therefore there may be the potential for an extension to the work duration.** | | |

## 3 Chart of Activity Area

Please find chart on the last page of the document.

## 4 Safe Clearances, Navigation Safety Features and Safety Notes for Mariners

It is recommended that mariners remain vigilant and make note of the approximate HDD exit locations until June 2022, when further installation works are scheduled.

## 5 Project Contact Details

**Scottish Hydro Electric Transmission Subsea Cable Installation Manager:**
Name: Lorraine Wallington
Email: Lorraine.wallington@sse.com
Telephone: +44 7443 173906

**Scottish Hydro Electric Transmission Lead Project Manager:**
Name: Chris Finnigan
Email: chris.finnigan@sse.com
Telephone: +44 7385 385654

**Fisheries Liaison Officer (FLO):**
Name: John Watt
Email: john.watt@brownmay.com
Telephone: +44 7590 880746

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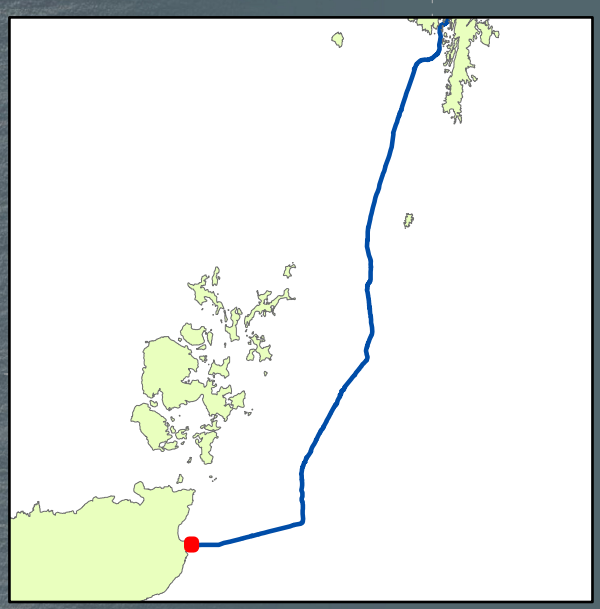
6481200 6480800 6480400 6480000 6479600

HDD 2
HDD 1
HDD 3



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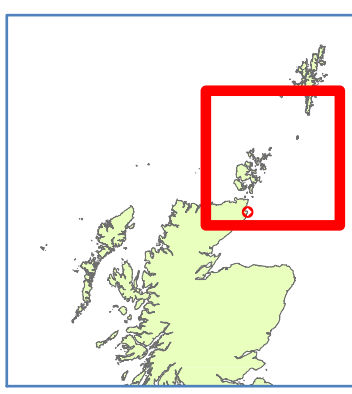

**Legend**

▲ HDD points

Shetland HVDC licence corridor

| | |
|---|---|
| Projection: | WGS 1984 UTM Zone 30N |
| Scale: | 0 0.1 0.2 km |
| Date: | November 2021 |
| Issue: | v0.1 |
| Drawn by: | BO |

Title: Shetland HVDC Link Construction Area

Client: NKT

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