

## Shetland HVDC Link Shetland to Caithness Notice to Mariners

<b>NtM Number</b>	<b>Shetland HVDC Link/019</b>
<b>Date of Issue</b>	<b>09.03.2022</b>

### 1 Planned Activity

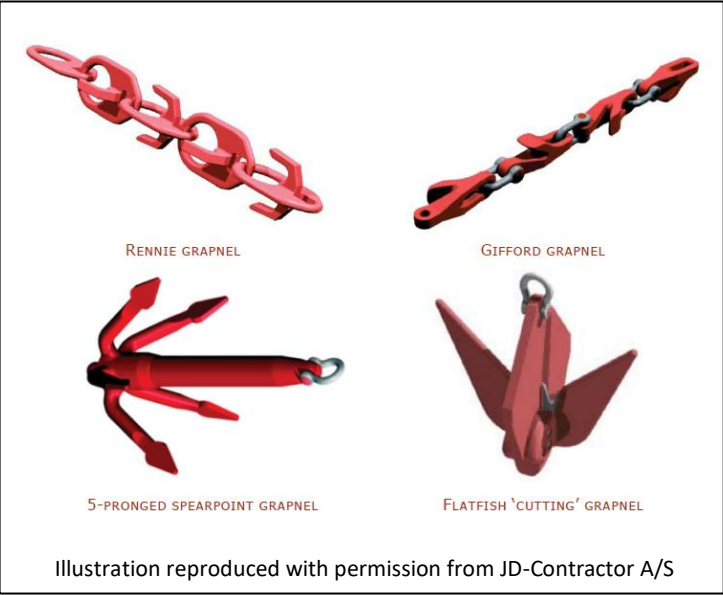
NKT, on behalf of Scottish Hydro Electric Transmission Plc, are due to commence a pre-lay grapnel run (PLGR), Route Clearance (RC) of Out of Service (OOS) Cable crossings, and the completion of boulder relocation along the Shetland HDVC link cable route between Noss Head, North of Wick and Shetland. The operation will be performed by JD-Contractors with the vessel *Sima*.

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.

The PLGR will be completed using a grapnel towed from the vessel. The grapnel will be deployed to retrieve any potential debris that could pose a hazard to cable installation.

Penetration for the grapnel rigs, shown in the illustration opposite, shall range from 0.5 to 1.8m into the seabed.

The main PLGR is to be performed from the nearshore end of the cable route (Noss Head) to KP150. Operations to complete PLGR for the remaining route (KP150 – KP0) are currently scheduled for 2023 and will be the subject of a separate NtM.



Route Clearance to remove any OOS cable crossings will also be undertaken along the route, this will also include a PLGR at each OOS cable crossing. The OOS cables will be removed inside the cable corridor. In accordance with International Cable Protection Committee procedures all cable ends left on the seabed will be weighed to seabed by the means of clump weights.

Boulders will be picked and relocated within the consented corridor so that sufficient clear seabed is created for the safe installation of the cable. The locations of boulders picked and the location they are placed will be recorded.

The following table of co-ordinates and chart describe the working area.

Please be aware that vessel, *Sima*, will be restricted in her ability to manoeuvre as defined under COLREGs (International Regulations for Preventing Collisions at Sea 1972). Masters of vessels are therefore requested to maintain their vessels at a minimum safe passing distance of 500 metres.

*Sima* will display the appropriate shapes and lights in accordance with COLREGs Rules 16 and 18.

### 2 Outline Programme of Works (approximate)

Location: Area 1 (KP249.951 – KP225)	Earliest Start Date: 30/03/2022	Estimated Completion Date: 29/04/2022
Location: Area 2 (KP225 – KP200)	Earliest Start Date: 30/03/2022	Estimated Completion Date: 29/04/2022
Location: Area 3 (KP200 – KP150)	Earliest Start Date: 30/03/2022	Estimated Completion Date: 29/04/2022
Location: OOS Cable Crossing 5	Earliest Start Date: 05/04/2022	Estimated Completion Date: 29/04/2022
Location: OOS Cable Crossing 4	Earliest Start Date: 05/04/2022	Estimated Completion Date: 29/04/2022
Location: OOS Cable Crossing 3	Earliest Start Date: 05/04/2022	Estimated Completion Date: 29/04/2022
Location: OOS Cable Crossing 2	Earliest Start Date: 05/04/2022	Estimated Completion Date: 29/04/2022
Location: OOS Cable Crossing 1	Earliest Start Date: 05/04/2022	Estimated Completion Date: 29/04/2022
Boulder Relocation Activities (KP56 – KP65)	Earliest Start Date: 05/04/2022	Estimated Completion Date: 05/05/2022
ROV Survey of OOS Cable Crossings 1-5	Earliest Start Date: 15/04/2022	Estimated Completion Date: 07/05/2022

These dates are subject to weather and operational uncertainties that could extend the overall duration to 21/05/2022, with the potential for further 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

Vessels are requested to maintain a safe distance (500m) from *Sima*.

All vessels are required to comply with the COLREGS, especially rules 16 and 18 as *Sima* will be restricted in her ability to manoeuvre.

### 5 Vessel Details

<b>Vessel Name:</b>	<i>Sima</i>
<b>Vessel Type / LOA(m):</b>	DP2 Offshore Installation Vessel / 81.37 m
<b>IMO Number:</b>	8418564
<b>VHF Call Sign:</b>	OUXR2
<b>MMSI:</b>	219017151
<b>Vessel Bridge Mobile:</b>	+45 3068 5497
<b>Vessel Sat Phone:</b>	+45 8213 6645
<b>Onshore Contact:</b>	sima@jdcon.dk

#### Vessel Photo



### 6 Project Contact Details

#### Scottish Hydro Electric Transmission Subsea Cable Installation Manager:

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#### Scottish Hydro Electric Transmission Lead Project Manager:

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#### Fisheries Liaison Officer (FLO):

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### 7 Geographic co-ordinates of activity area

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

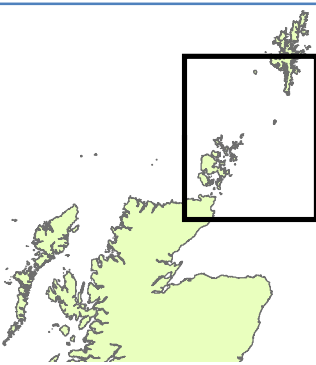
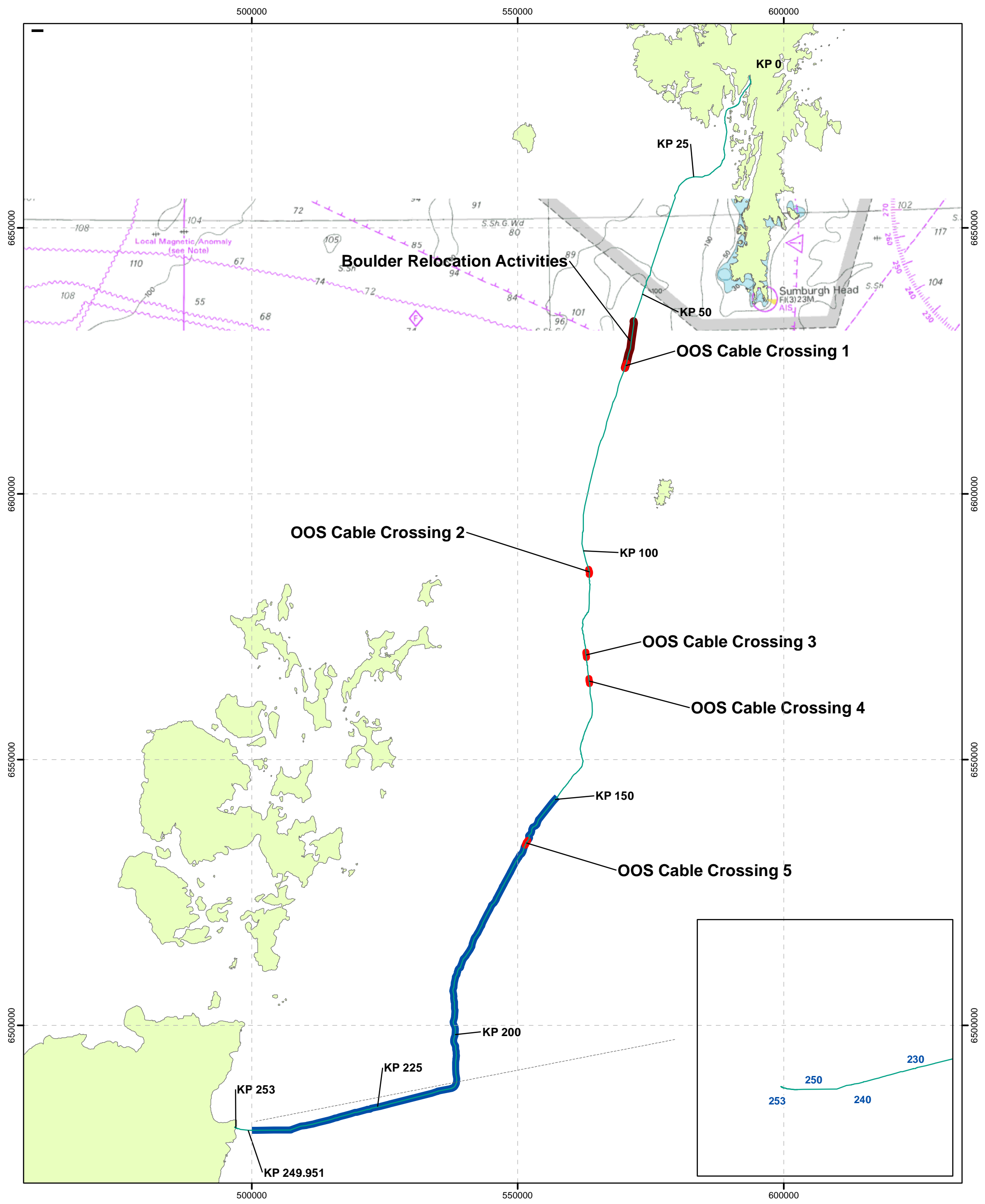
**Please note: The coordinates presented below represent a simplified centreline, the works will be completed +/-100m either side of this centreline. As illustrated in the chart**

Area	WGS84 UTM Zone 30N		Degrees Decimal Minutes		
	Easting	Northing	Latitude		Longitude
Location: Area 1 (KP249.951 – KP225)	499317	6480268	58°	27.785 N	003° 0.702 W
	500125	6480262	58°	27.781 N	002° 59.870 W
	507352	6480336	58°	27.818 N	002° 52.439 W
	509129	6480996	58°	28.171 N	002° 50.610 W
	518825	6483415	58°	29.456 N	002° 40.625 W
	523657	6484659	58°	30.113 N	002° 35.645 W
Location: Area 2 (KP225 – KP200)	523657	6484659	58°	30.113 N	002° 35.645 W
	528516	6485870	58°	30.748 N	002° 30.633 W
	538119	6488497	58°	32.119 N	002° 20.718 W
	538216	6498250	58°	37.374 N	002° 20.520 W
	538217	6498245	58°	37.371 N	002° 20.519 W
	538217	6498245	58°	37.371 N	002° 20.519 W
Location: Area 3 (KP200 – KP150)	538089	6508056	58°	42.658 N	002° 20.552 W
	542208	6516964	58°	47.435 N	002° 16.185 W
	546968	6525708	58°	52.117 N	002° 11.135 W
	551683	6534457	58°	56.798 N	002° 6.107 W
	552875	6537274	58°	58.307 N	002° 4.824 W
	557002	6542496	59°	01.089 N	002° 0.437 W
OOS Cable Crossing 5	551629	6534364	58°	56.748 N	002° 6.164 W
OOS Cable Crossing 4	563450	6564778	59°	13.038 N	001° 53.312 W
OOS Cable Crossing 3	562878	6569725	59°	15.708 N	001° 53.827 W
OOS Cable Crossing 2	563488	6585324	59°	24.106 N	001° 52.910 W
OOS Cable Crossing 1	570304	6624119	59°	44.939 N	001° 44.938 W
Boulder Relocation Activities (KP56 – KP65)	571791	6632478	59°	49.425 N	001° 43.179 W
	571826	6632082	59°	49.212 N	001° 43.150 W
	571203	6627402	59°	46.698 N	001° 43.912 W
	570837	6626251	59°	46.081 N	001° 44.326 W
	570453	6624597	59°	45.194 N	001° 44.770 W
	570165	6623665	59°	44.695 N	001° 45.096 W

### Legal Notice

Please be advised that this Notice to Mariners should be treated as official notice of the nature, duration and location of the works which are scheduled to take place. During the period of this notice, failure to remove equipment or entry into the identified location in a manner that would constitute a hazard to the operations described may be considered a breach of the Convention on International Regulations for Preventing Collisions at Sea 1972 and/or the Merchant Shipping Act 1995 (a breach of which can carry criminal sanctions).

Additionally, should any failure to remove any equipment within the notified location, or the presence of any vessel, prevent, obstruct, or delay the works, Scottish Hydro Electric Transmission Plc may consider taking legal action to remove the obstruction and/or seek damages for any delay, in addition to any legal costs in doing so.



**Legend**

- Shetland HVDC Link
- Boulder Relocation Activities
- OOS Cable Crossing
- Pre-lay Grapnel Run works

Projection:  
WGS 1984 UTM Zone 30N

Scale:  
0 10 20 km

Date:  
March 2022

Issue:  
v0.1

Drawn by:  
BO

Title: Pre-lay Grapnel Run works, Route Clearance on Out of Service Cables and Boulder Relocation

Client: