

Notice to Mariners - Deep Helder

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Project:	Pentland Floating Offshore Windfarm
Originator Company	Ocean Infinity
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**Pentland Floating Offshore Wind Farm
UXO & Geotechnical Survey 2022
Rev 02 - Issued: 20220922**

Mariners are advised that a survey vessel and towed subsea equipment will be used in offshore and coastal sea areas west of the Pentland Firth.

Offshore UXO geophysical survey work will be carried out by Ocean Infinity (OI) using survey vessel Deep Helder from 31st August 2022 and geotechnical survey work with survey vessel Relume from 26th September 2022.



Vessel: DEEP HELDER
IMO: 9690872
MMSI: 244780813
Owner: SeaMar Group
GSM: +31 22 37 88 102
Email: bridge.helder@seamar.nl

During this survey, Deep Helder will be deploying towed underwater geophysical survey equipment. At this time, the survey vessel may have the restricted ability to manoeuvre and approaching vessels are requested to pass at a safe speed and distance.



Vessel: Relume
Call Sign: C6TR4
Owner: MMSL
IMO: 9280720
MMSI: 311753000
GSM: +44 2037691766
Email: om-relume@mmt.se

During this survey, Relume will be deploying underwater geotechnical survey equipment. At this time, the survey vessel may have the restricted ability to manoeuvre and approaching vessels are requested to pass at a safe speed and distance.

Project Description

The Pentland UXO and Geotechnical survey will be conducted by Ocean Infinity (OI) on behalf of Copenhagen Offshore Partners (COP).

Offshore UXO Geophysical Survey

A detailed UXO geophysical survey will be carried out in the offshore area north of Dounreay. The geophysical survey work will be conducted with a hull mounted multibeam sonar with dual ROTV EIVA ScanFish Magnetometer arrays and a single towed Sidescan Sonar.

Mariners are advised to keep an aft safety clearance of the vessels of no less than 350m.

Port of Operation

Deep Helder mobilised in the port of Scrabster on 30th August.

Relume is planned to mobilise in the port of Scrabster on 26th September.

The UXO geophysical survey is expected to complete by mid-October, but poor weather may extend this time frame.

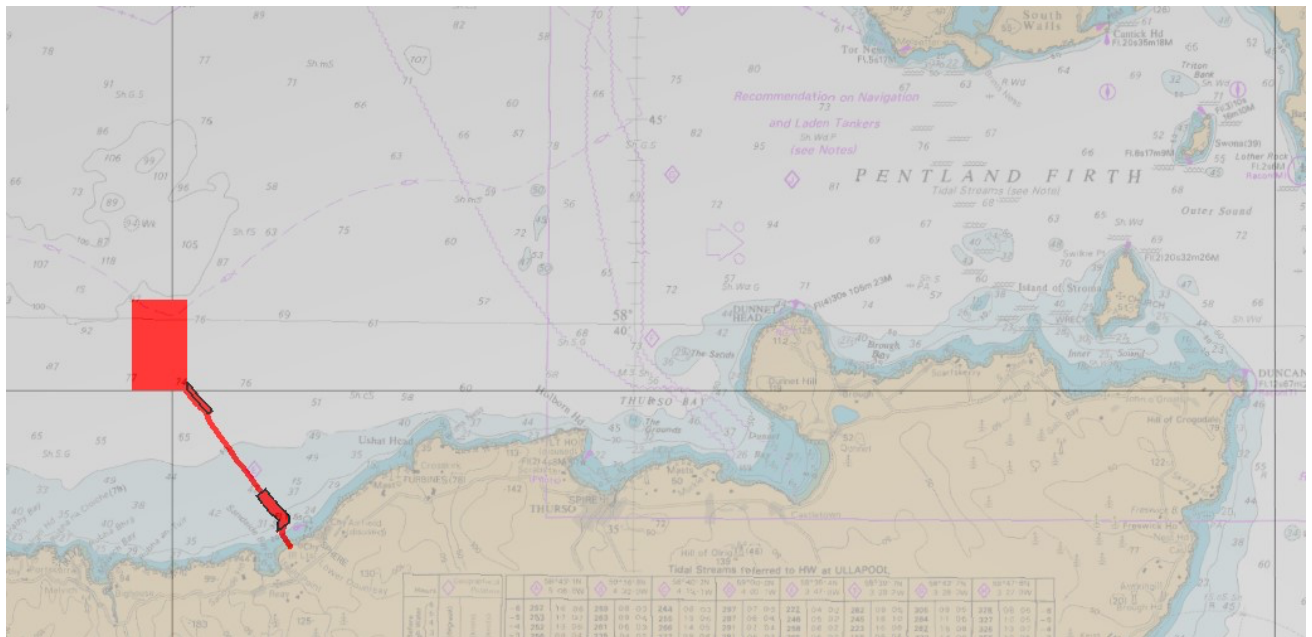


Figure 1 – Pentland FOWF survey area.

Offshore Geotechnical Survey

Vessel Relume will remobilise in Scrabster to conduct geotechnical operations. Nine (9) Vibrocores and nine (9) CPT's will be conducted across the Pentland FOWF site. During this time, the vessel will be stationary and restricted in her ability to manoeuvre.

The geotechnical campaign is planned for three (3) days.

Offshore Contact Details:

Further enquiries should be addressed to the following people in the following order:

1. Martin Godfrey (MMT Project Manager), T: +44 (0) 7590 515114, martin.godfrey@oceaninfinity.com
2. Joakim Holmlund (MMT Operations), T: +46 733 45 14 30, joakim.holmlund@oceninfinity.com

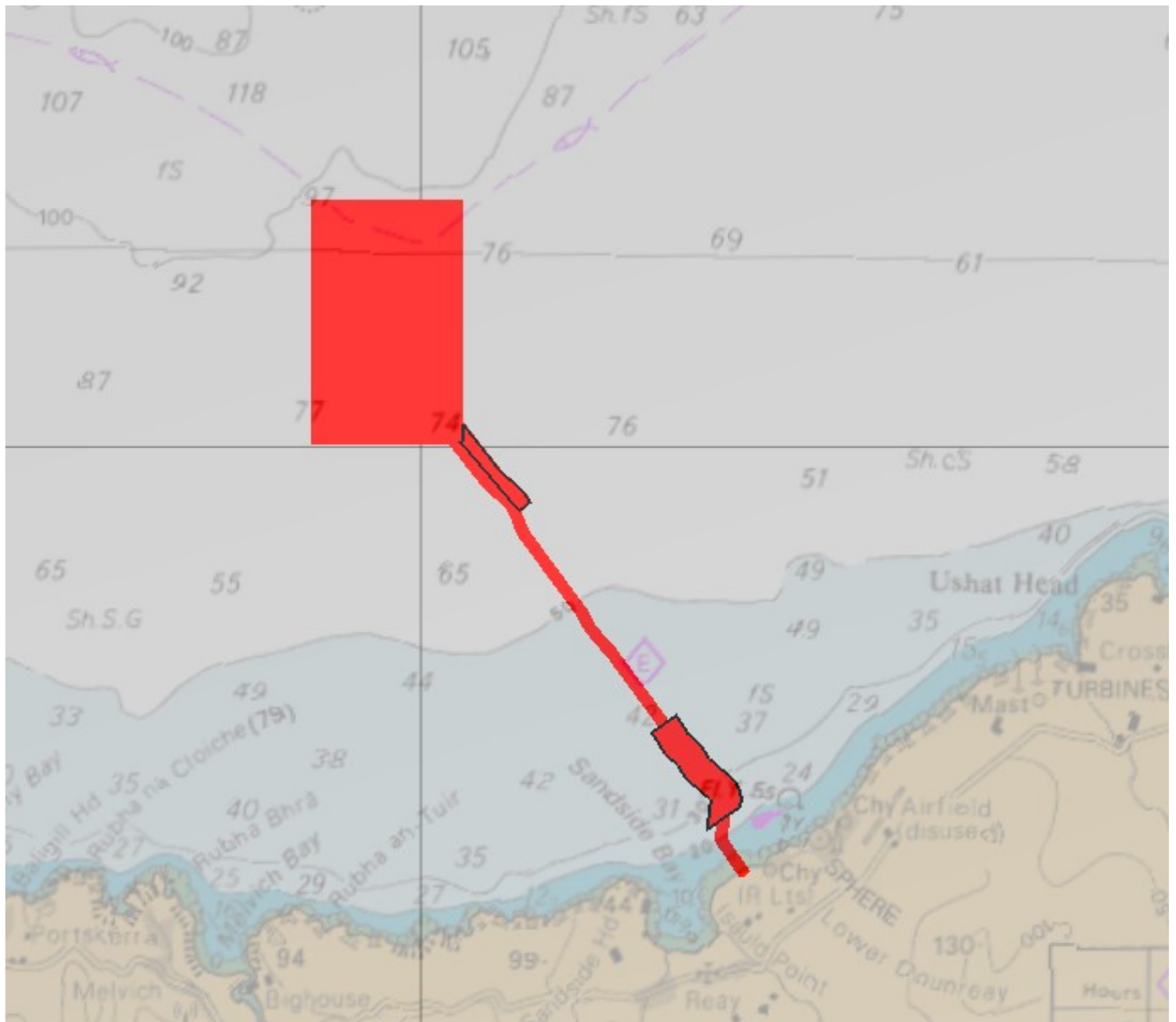


Figure 2 – Pentland FOWF survey area.

APPROXIMATE SURVEY AREA COORDINATES

ID	EPSG:32630 -		EPSG:4326 -	
	WGS84 / UTM zone 30N		WGS 84	
	Easting [m]	Northing [m]	Longitude [deg]	Latitude [deg]
1	448192.02	6504073.96	-3.893338	58.673787
2	453191.99	6504075.68	-3.807133	58.674372
3	453191.98	6499074.07	-3.806097	58.629456
4	448191.99	6499074.09	-3.892192	58.628888
5	449192.04	6501574.04	-3.875534	58.651456
6	450692.00	6501574.01	-3.849690	58.651629
7	450692.04	6500074.04	-3.849362	58.638159
8	449192.04	6500074.04	-3.875197	58.637986
9	451353.75	6498254.71	-3.837574	58.621896
10	454831.05	6493260.51	-3.776715	58.577422
11	454878.45	6492665.74	-3.775781	58.572085
12	455746.06	6493082.68	-3.760947	58.575919
13	455531.98	6494003.88	-3.764808	58.584170
14	452001.82	6499074.00	-3.826591	58.629325

DISTRIBUTION LIST

Aberdeen MRCC	aberdeen_coastguard@mcga.gov.uk
Aberdeen Watch Manager	wm.aberdeen@mcga.gov.uk
Scrabster Harbour Master	jason.hamilton@scrabster.co.uk
Scrabster Deputy Harbour Master	Ross.farquhar@scrabster.co.uk
Scrabster Harbour Operations	ops@scrabster.co.uk
Marine Scotland	env_prot@marlab.ac.uk
Marine Scotland	ms.marinerenewables@gov.scot
GAC Invergordon	agency.invergordon@gac.com
GAC regional	martin.sinclair@gac.com
Kingfisher	kingfisher@seafish.org.uk
UKHO	sdr@ukho.gov.uk
	navwarnings@ukho.gov.uk
Northern Lighthouse Board	navigation@nlb.org.uk
Trinity House	navigation.directorate@thls.org
Shetland CGOC	zone2@mcga.gov.uk
Aberdeen CGOC	zone3@mcga.gov.uk
MCA Renewables liaison	peter.lowson@mcga.gov.uk
Wick Harbour	malcolm.bremner@wickharbour.co.uk
RYA Scotland	admin@ryascotland.org.uk
Scottish Fishermen's Federation	renewables@sff.co.uk
Peterhead Fishery Office	fo.peterhead@scotland.gsi.gov.uk
Aberdeen Fishery Office	fo.aberdeen@scotland.gsi.gov.uk
Fraserburgh Fishery Office	fo.fraserburgh@scotland.gsi.gov.uk
Buckie Fishery Office	fo.buckie@scotland.gsi.gov.uk
Scrabster Fishery Office	fo.scrabster@scotland.gsi.gov.uk