



NOTICE TO MARINERS

27th September, 2013

IRISH SEA – Marine Survey in support of the Western HVDC Link Project

Mariners are advised that survey and diving equipment will be used in the Irish Sea (Wirral/Liverpool Bay) in October 2013, weather dependent.

The survey work will be carried out by UTEC using Survey boat MTV Ocean Dragon



	Requested Information
Name of vessel	MTV "OCEAN DRAGON"
IMO number	9576662
Type of vessel <i>(include detail of any special features)</i>	MULTI TASK DIVE SUPPORT VESSEL
Previous name(s)	NOT APPLICABLE
Vessel owner/operator	
Name:	OCEAN MARINE SERVICES LTD
Address:	50 MADRYN AVENUE, RHYL, LL18 4RS
Tel:	01745.561390 OR 01745.332871
Fax:	
E-mail:	nl@oceanmarineuk.co.uk

During this survey the vessel may be deploying either underwater survey equipment. During such times the survey vessel may have restricted ability to manoeuvre and other vessels are requested to pass at a safe speed and distance.

Project Description

The Western HVDC Link Project consists of a 600 kV DC submarine system in the Irish Sea between Ardnail (Scotland) and Wirral (England) for a total route length of about 385 km. The cable route is shown in Figure 1 overleaf.

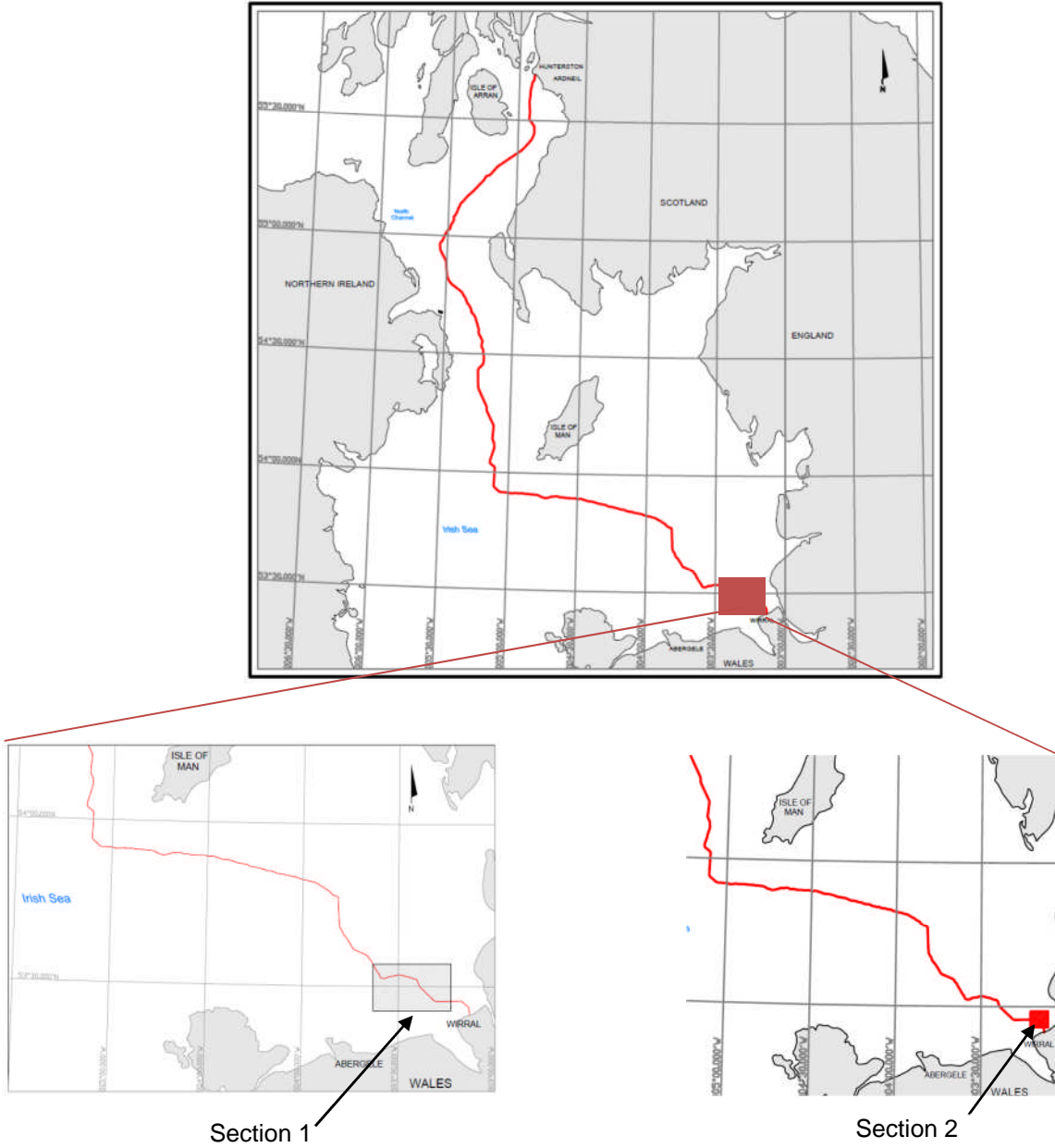
Survey tasks

MTV Ocean Dragon will carry out the following survey geophysical tasks:

- Section 1: from KP 376 to KP 345 on a corridor of approx. ± 20 m centred on the selected part of the cable route (nearshore section in Liverpool Bay of the Western HVDC Link cable route) by means of Gradiometer and SSS (Geophysical Spread) operated from surface.
- Section 2: from KP 382 to KP 385.5 on a corridor of approx. ± 25 m centred on the selected part of the cable route (nearest section in Liverpool Bay of the Western HVDC Link cable route) by means of Gradiometer and SSS (Geophysical Spread) operated from surface.



Figure 1 – Cable route Locations





Contact Details:

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6. MTV Ocean Dragon Master, Tel +44 (0)174 556 1390 or 174 533 2871, nl@oceanmarineuk.co.uk

Fisheries liaison for this survey will be co-ordinated by Jim Andrew (AWJ Marine), T: +44(0)845-880-2540, M: +44(0)7908-225865, jim@awjmarine.co.uk



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APPENDIX

Table 1 – Western Link Reference Route (extract of the sections to be surveyed)

SECTION 1 (from KP 376 to KP 345)

The corridor to be surveyed is approx. ±20 meters centred on the following route:

ID (Position Name / Event)	WGS84		Geodetic KP (km)
	Latitude	Longitude	
AC_526	53° 33.807'N	003° 37.715'W	344.507
AC_527	53° 33.371'N	003° 37.257'W	345.462
AC_528	53° 32.579'N	003° 36.459'W	347.174
International/Wales waters	53° 32.530'N	003° 36.384'W	347.298
AC_529	53° 32.297'N	003° 36.028'W	347.883
AC_530	53° 32.183'N	003° 35.905'W	348.133
AC_531	53° 32.017'N	003° 35.843'W	348.449
AC_532	53° 31.782'N	003° 35.704'W	348.911
AC_533	53° 31.663'N	003° 35.580'W	349.171
AC_534	53° 31.578'N	003° 35.399'W	349.426
AC_535	53° 31.508'N	003° 35.097'W	349.784
PL_1030_Pipeline_IS	53° 31.491'N	003° 34.852'W	350.057
PL_1032/1033_Pipeline_IS	53° 31.490'N	003° 34.840'W	350.070
AC_536	53° 31.455'N	003° 34.342'W	350.624
AC_537	53° 31.508'N	003° 33.888'W	351.135
AC_538	53° 31.747'N	003° 33.193'W	352.023
AC_539	53° 31.851'N	003° 32.540'W	352.770
Wales/England waters	53° 31.862'N	003° 32.256'W	353.085
AC_540	53° 31.883'N	003° 31.722'W	353.676
AC_541	53° 32.118'N	003° 30.250'W	355.360
AC_542	53° 32.124'N	003° 29.421'W	356.276
AC_543	53° 31.739'N	003° 26.812'W	359.246
AC_544	53° 31.484'N	003° 25.521'W	360.750
AC_545	53° 31.332'N	003° 24.493'W	361.920
AC_546	53° 31.254'N	003° 24.295'W	362.183
AC_547	53° 31.119'N	003° 24.125'W	362.495
AC_548	53° 30.662'N	003° 23.866'W	363.391
AC_549	53° 30.160'N	003° 23.575'W	364.375
AC_550	53° 29.933'N	003° 23.271'W	364.914
AC_551	53° 27.373'N	003° 18.813'W	371.762
AC_552	53° 27.300'N	003° 18.554'W	372.078
AC_553	53° 27.265'N	003° 18.336'W	372.328
10m	53°27.320'N	003°13.705'W	377.457



SECTION 2 (from KP 382 to KP 385.5)

The corridor to be surveyed is approx. ± 25 meters centred on the following route:

ID (Position Name / Event)	WGS84		Geodetic KP (km)
	Latitude	Longitude	
AC_556	53° 27.269'N	003° 10.227'W	381.334
AC_557	53° 26.376'N	003° 08.462'W	383.895
AC_558	53° 26.198'N	003° 08.195'W	384.339
AC_559	53° 26.001'N	003° 08.054'W	384.737
HDD_SEA_END	53° 25.038'N	003° 07.903'W	386.530