



**Project Llŷr 1 and Llŷr 2 Floating Offshore Wind Farm  
Notice to Mariners**

NtM Number	P10-LYR-3.2.2-NOT-0001 Rev1 - NtM
Date of Issue	15th September 2022

**1 Planned Activity**

Please be advised that from the 21<sup>st</sup> of September 2022, N-SEA will be conducting a geophysical and environmental surveys within the area shown in paragraph 5. The survey consists of an offshore windfarm location, and its northern export cable route corridor. The geophysical survey will employ MBES, SSS, High-resolution Sub-Bottom Profiler, and a single magnetometer. The environmental survey will acquire drop down video footage and grab samples.

The geophysical and benthic survey works will be completed by N-Sea personnel on the survey vessel 'Braveheart Spirit'. Full vessel details are presented in paragraph 6 below.

All environmental sampling will be executed by N-Sea subcontractor Ocean Ecology.

All geophysical survey operations involve towed survey equipment (SSS, Magnetometer and SBP), and no equipment will be left on the seabed. During geophysical and environmental surveys the vessel will be restricted in manoeuvrability and will require large turning circles. All vessel operating within this area are requested to keep a 500 m distance and pass at minimum speed to reduce vessel wash. The survey vessel will always be listening to Channel 16 but can set any other channel as required. Throughout survey operations, the vessel will be displaying the appropriate lights and shapes as required under COLREGS Rule 27(b).

All nearshore activities will be undertaken during daylight hours. All offshore activities will be undertaken on a 24 hour basis.

This notification is intended for circulation to all interested parties undertaking or managing activities in the vicinity of the planned survey works. If you would like further details regarding the geophysical and/or environmental surveys, please contact the N-Sea project manager using the contact details at the bottom of this communication.

All mariners are reminded of their responsibilities under the International Collision Regulations and are reminded of Marine Notice No 17 of 2007 which gives general advice in relation to the activities of vessels engaged in survey work for hydrographic, seismic, fishing research and underwater operations.

**Liaison and General Operational Principles**

1. We will ensure advance notice of survey works is provided to all marine users.
2. As near-shore areas have the potential to hold higher densities of static fishing gear, where practicable geophysical and environmental survey operations within the near-shore area will be undertaken during daylight hours.
3. Should areas of high fishing density be identified, best efforts will be made to modify survey plans (either the location of survey or timing of operations) to avoid damage to both survey and fishing gear.

**2 Geographical Co-Ordinates (UTM 30 / WGS 84)**

Survey Area		
Degrees Minutes Seconds		
	51°39'08"N	005°03'26"W
	51°38'54"N	005°04'50"W
	51°38'50"N	005°05'35"W
	51°38'54"N	005°06'23"W
	51°38'54"N	005°06'44"W
	51°38'57"N	005°07'18"W
	51°39'06"N	005°07'49"W
	51°39'06"N	005°08'51"W
	51°37'54"N	005°10'14"W

	51°36'16"N	005°10'40"W
	51°35'46"N	005°11'05"W
	51°30'55"N	005°19'55"W
	51°28'38"N	005°21'07"W
	51°23'16"N	005°11'47"W
	51°16'33"N	005°10'46"W
	51°16'33"N	005°28'24"W
	51°24'07"N	005°33'40"W
	51°28'29"N	005°22'44"W
	51°29'20"N	005°22'53"W
	51°29'20"N	005°22'54"W
	51°32'03"N	005°21'06"W
	51°36'42"N	005°12'36"W
	51°38'17"N	005°12'12"W
	51°38'47"N	005°11'50"W
	51°41'28"N	005°08'34"W
	51°41'59"N	005°08'04"W
	51°42'11"N	005°07'41"W
	51°41'38"N	005°03'06"W

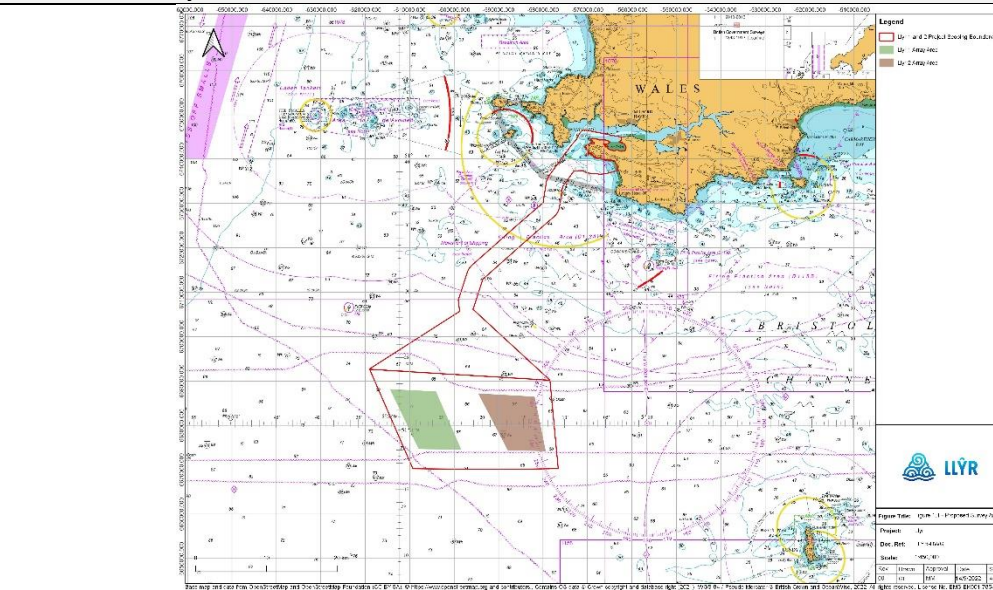
**3 Outline programme of work**

Geophysical survey operational period

Start: 21<sup>st</sup> September 2022

End: 1<sup>st</sup> December 2022

**4 Chart of survey area**



**5 Vessel Details**



Vessel Name:	Braveheart Spirit	
Vessel Type / LOA(m)	Supply/Survey Vessel/73.2m	
VHF Call Sign	PEJO	
MMSI:	244367000	
Vessel VSAT:	+870 773907855	
Vessel Bridge Mobile:	+31 652786410	
Onshore Contact:	+31 527683839	
<b>6 Project Contact Details</b>		
NSEA Project Manager	Robin Jolley	
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Revision	Created	Input	Checked	Approved	Date	Comments
Rev 1	08/09/2022	GL	EM	OM	15/09/2022	First issue