



NOTICE TO MARINERS

**PROJECT: Tarmac Area 392_393
Benthic Operational Stage Monitoring
– Year 4**

SURVEY VESSEL: Mersey Guardian

DATE: 15 December 2017

ISSUE NO: 01

Notice to Mariners

Scientific Drop Down Camera, Grab and Trawl Survey Operations

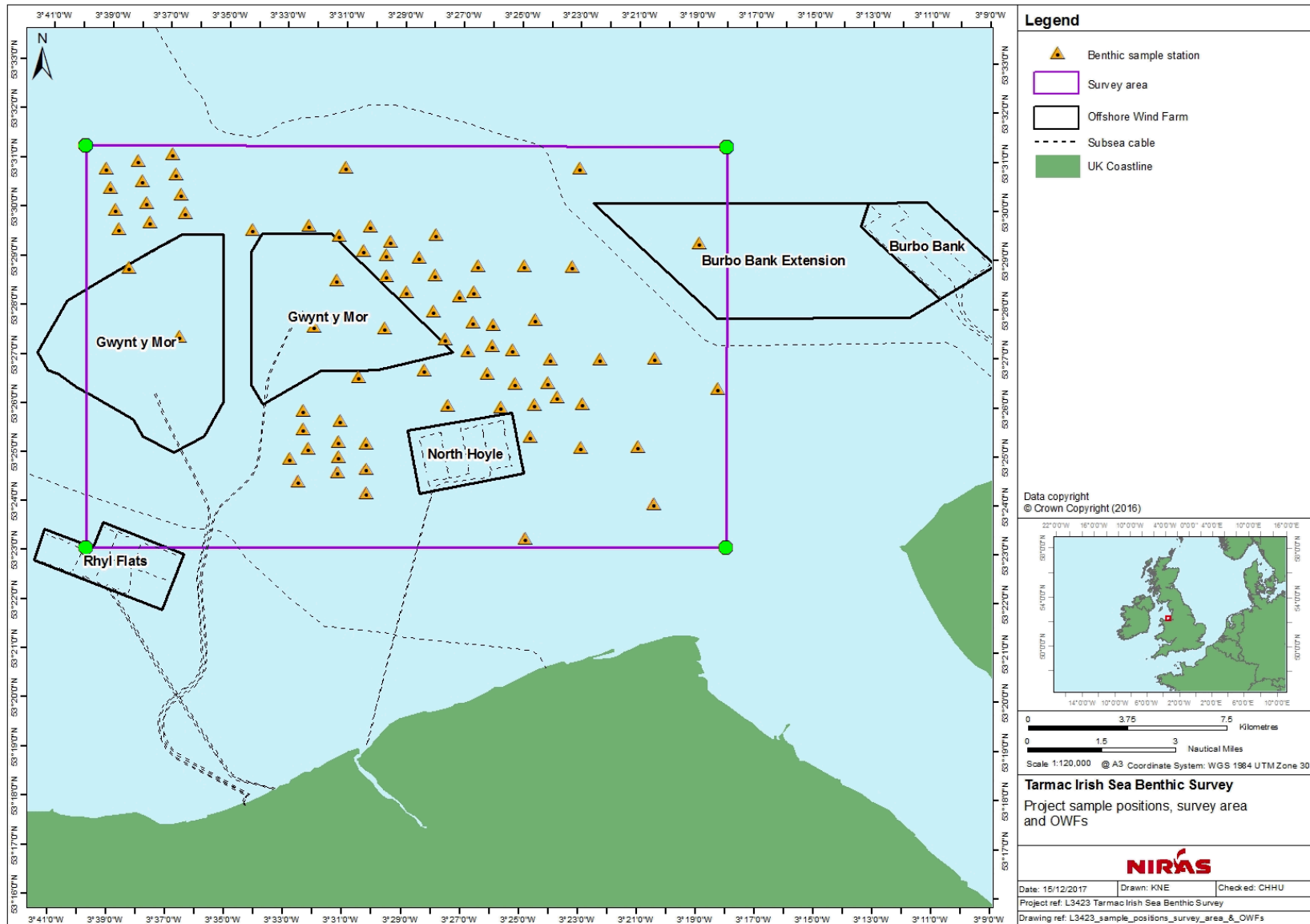
Please be advised that NIRAS Consulting Ltd (NIRAS) will be undertaking a seabed survey for scientific monitoring purposes in Liverpool Bay. The survey is being undertaken as part of an ongoing monitoring programme.

A map of the survey area and positional coordinates are provided below.

Survey operations are planned to take place **from 18th November**. There will be **approximately four days** at sea, weather dependent. Survey days may not necessarily be consecutive.

Positions defining outer limits of Survey Area

Survey Area	Latitude	Longitude
NW	53° 31.252' N	3° 39.924' W
NE	53° 31.313' N	3° 18.020' W
SE	53° 23.141' N	3° 18.009' W
SW	53° 23.053' N	3° 39.796' W



Vessel and Operational Details

Mersey Guardian

Mersey Guardian is a 18 meter purpose built survey vessel with a white cabin and blue hull. The vessel will operate on a daily basis from Fleetwood.



Survey operations will involve grab sampling. A wide berth is requested at all times as the vessel will be restricted in her ability to manoeuvre whilst survey equipment is deployed. The skipper will monitor channel 16 throughout survey work.

The vessel will remain on each survey station location for a period of approximately 15 minutes in order to obtain all required samples. All survey equipment will be recovered by the survey vessel prior to departing the survey location.

Survey work will be predominantly in daylight hours.

Contact Details

Contact	Details
Vessel	
Mersey Guardian	Call Sign: 2FGL4
NIRAS	
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