

# Notice to Mariners No 7 / 2016

## Blyth Offshore Demonstrator Project

### Deployment of Hydrophones



23rd March 2017

BOD-101-04-SMC-NTM-00025-A-01

#### Important Notice to Mariners

Blyth Offshore Demonstration Ltd (BODL) will be deploying 9 Hydrophones offshore at Blyth in order to monitor the presence and activity of small cetaceans in and around the proposed turbine development array. The deployment date is currently set as the 24 March 2017.

The hydrophones (C-PODs) are passive devices consisting of a buoyant plastic tube 67cm in length and 10cm in diameter attached to a weight by a 4m length of line, with the battery powered electronic recording device inside. These devices emit no noise of any kind, nor cause any disturbance to the marine environment. They simply listen and record. Periodically (once a month) they are retrieved from the sea onto the vessel. Once on board the data is downloaded and batteries are checked and replaced if necessary. They are then redeployed at the same location to continue data collection. The period of deployment will be until at least October 2017.

The C-POD and weight arrangement are attached to a ground line, which is in turn attached to a standard fishing anchor and dahn surface marker (with a red above a black flag); the distance between the anchor and C-POD is approximately 120m (ground/grapple line), see Figure 1 below. On the surface, the marker is in keeping with the type, size and construction method used by local fishermen for their fishing gear markers in the areas of deployment. As are all the other ropes and rigging used throughout. The research vessel *Princess Royal* will be used to deploy and retrieve the equipment.

Please note that the inshore C-POD on the cable route will have its surface buoy and lines removed so that it doesn't interfere with salmon drift netting and the surface marker will be reattached once salmon netting season finishes. Therefore the C-POD will still be present but not marked in the mid water column. All C-PODs are fitted with AIS units to mark the position of the surface dahn. The AIS will transmit the location and an identifier text: EDF1/3/4/5/6/7/8/9/10 Newcastle U acoustic recorder. The location of the C-POD will be at the location given in the Table below. The location and deployment of the hydrophones area will be as shown in the map below and the deployment coordinates are as follows (WGS84 Lat/Long Decimal Degrees):

#### DEPLOYMENT METHOD

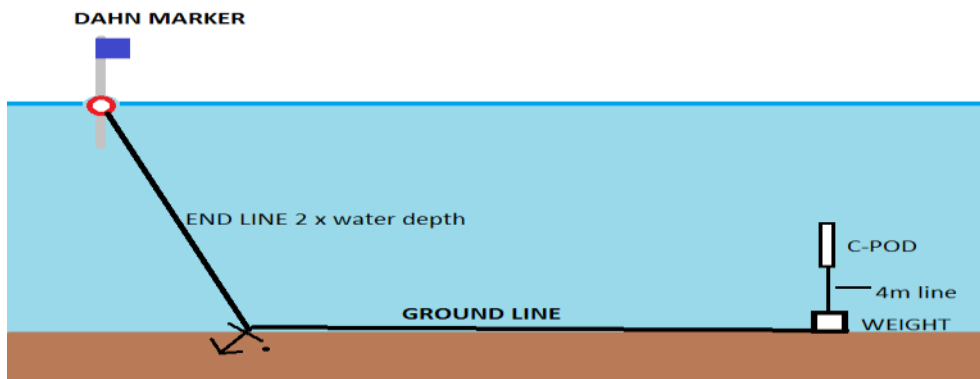


Figure 1. Illustration showing C-POD deployment configuration.

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Table 1 and Figure 2 below. Locations for C-POD deployments off Blyth.

CPOD	OSGB		WGS84 DD		WGS84 UTM 30N		Degrees Decimal Minutes	
	E	N	Latitude	Longitude	E	N	Latitude	Longitude
N1	434865m	590641m	55.208801°N	1.453691°W	598397m	6119118m	55°12.5281'N	1°27.2215'W
OC1	435737m	583365m	55.143356°N	1.440908°W	599373m	6111854m	55°08.6014'N	1°26.4545'W
OC2	438738m	582761m	55.137708°N	1.393910°W	602382m	6111293m	55°08.2625'N	1°23.6346'W
S1	437430m	577346m	55.089148°N	1.415134°W	601152m	6105859m	55°05.3489'N	1°24.9080'W
CB	432484m	586500m	55.171752°N	1.491576°W	596075m	6114942m	55°10.3051'N	1°29.4946'W
New 1	438017m	586081m	55.167592°N	1.404774°W	601614m	6114602m	55°10.0555'N	1°24.2864'W
New 2	432668m	583314m	55.143116°N	1.489046°W	596305m	6111760m	55°08.5870'N	1°29.3428'W
New 3	436508m	580380m	55.116484°N	1.429192°W	600187m	6108880m	55°06.9890'N	1°25.7515'W
New 4	439559m	579793m	55.110978°N	1.381437°W	603246m	6108337m	55°06.6587'N	1°22.8862'W

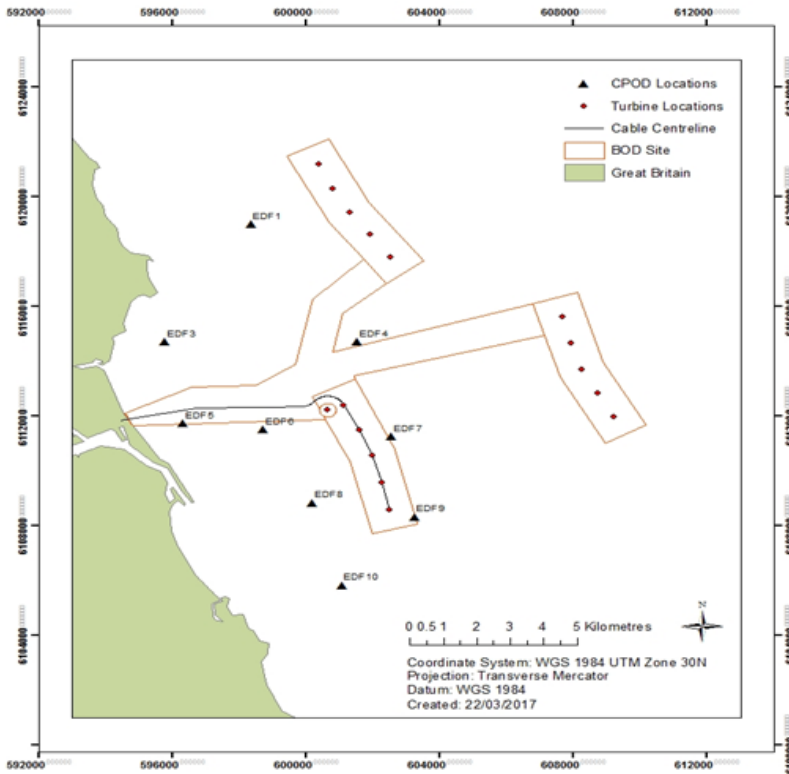


Figure 2 – CPOD Locations

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Vessel name – Princess Royal  
Vessel details - <http://www.ncl.ac.uk/marine/facilities/princessroyal/>  
Call sign- 2EYM2  
Mobile- 07730979784  
Email- [neil.armstrong@ncl.ac.uk](mailto:neil.armstrong@ncl.ac.uk)



Specialist Marine Consultants is the appointed Fisheries Liaison Coordinator and can be contacted as follows:

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**Further updates will be provided as required.**

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