



Marine Notice No. 05 of 2019

Notice to all Shipowners, Fishing Vessel Owners, Agents, Shipmasters, Skippers, Fishers, Yachtsmen and Seafarers

Acoustic Doppler Current Profilers (ADCPs) - deployment in Lough Swilly

The Department of Transport, Tourism and Sport has been advised that TechWorks Marine are planning the deployment of four (4 no.) Trawl-resistant bottom mounted Acoustic Doppler Current Profilers (ADCPs) frames in Lough Swilly at locations provided below and also shown on the accompanying Admiralty Chart (please refer to Appendix A).

TechWorks Marine deployed the ADCPs on 20th February 2019.

The frames will be on the seafloor for a minimum period of one calendar month and a maximum period of two months (weather permitting). Water sampling surveys are required to be carried out at the same time as the deployments and these are tide and weather dependent, and may cause a slight delay in recovery, hence the two month deployment period. The ADCPs will be measuring currents through the water column at each location over the month-long deployment. This data will be used to validate a Hydrodynamic model of the area being developed for Irish Water.

The deployment locations are (degrees, minutes, seconds) WGS84 as follows:

Frames ID	Latitude	Longitude
ADCP 1	55° 12' 59.5" N	7° 34' 37.2" W
ADCP 2	55° 06' 51.9" N	7° 29' 02.7" W
ADCP 3	55° 03' 52.4" N	7° 32' 11.3" W
ADCP 4	55° 01' 17.5" N	7° 32' 55.4" W

Each Frame will have the following equipment:

- 1 x ADCP Sensor (Waves and Currents)

- 1 x Acoustic Release
- 1 x Rigid Recovery Buoy
- 1 x Acoustic Pinger
- 1 x Grapple line

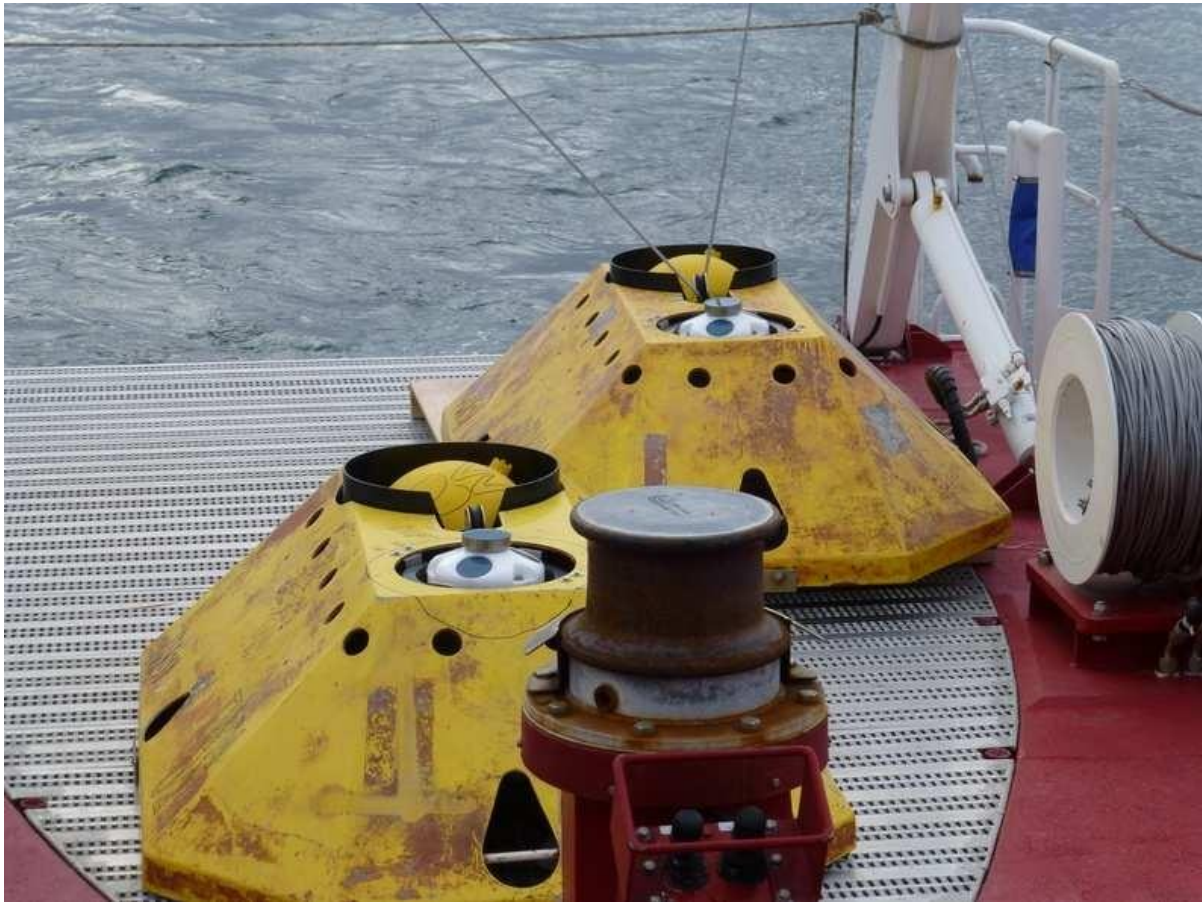


Figure 1 - The ADP frames to be deployed on the seabed (image clearly showing the ADCP seabed frame with ADCP and Recovery Buoy inside the frame).

The frames are approx. 1m x 1m and will remain on the seafloor for a period of up to 30 days after which the frame will be retrieved by the acoustic release by the retrieval team of a pop-up buoy allowing for its recovery or by a grapple line recovery method.

During the extent of the deployment ADCP frames 1, 2 and 3 will have a surface marker. The ADCP 1 and 2 will have a red in colour surface buoy and ADCP 3 will have a yellow in colour surface buoy. There will be no surface marker for ADCP 4 so vessel traffic will not need to avoid its location but should be aware of its presence.

For further information please contact:

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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.

The International Regulations for Prevention of Collisions at Sea (COLREGS) are implemented in Irish law by the *Merchant Shipping (Collision Regulations) (Ships and Water Craft on the Water) Order 2012* [S.I. No. 507 of 2012], and the *Signals of Distress (Ships) Rules 2012* [S.I. No.170 of 2012]. **See Marine Notice No. 06 of 2013.** These Statutory Instruments may be purchased by mail order from Government Publications, Office of Public Works, 52 St. Stephen's Green, Dublin 2. Tel: (01) 6476834/1890-213434. They are also available online at: **www.irishstatutebook.ie**.

Marine Notices are issued purely for maritime safety and navigation reasons and should not be construed as conferring rights or granting permissions.

Irish Maritime Administration,
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For any technical assistance in relation to this Marine Notice, please contact:
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For general enquiries, please contact the Maritime Safety Policy Division, tel: +353-(0)1-678 3418.
Written enquiries concerning Marine Notices should be addressed to:
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Appendix A: Admiralty Chart of Deployment Locations

