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BIOLOGICAL OCEANOGRAPHY CRUISE REPORT

LF 0795 Part II

Date 3 - 5 April 1995

RECEIVED
02 MAY 1995
A. E. S. D.

PERSONNEL

B Stewart	(SIC), SSO, DANI
W Clarke	SSO, DANI
P Elliott	SO, DANI

CRUISE OBJECTIVE

- i. To service sediment traps and components of the instrument mooring located in the central Irish Sea.
- ii. To attach 2 water samplers, 2 current meters and a transmissometer to the existing instrument mooring.

CRUISE NARRATIVE

Monday 3 April 1995

In preparation for the cruise, the water samplers were prepared in the Aquatic Sciences laboratory and transferred together with current meters and transmissometer to the RV Lough Foyle at 2100 hrs. Programming of the water samplers continued on the ship where work was completed for the day at 2300 hrs.

Tuesday 4 April 1995

The RV Lough Foyle departed Belfast 0200 hrs and sailed to arrive on station 38 ($53^{\circ} 51'.00N$ $05^{\circ} 34'.00W$) at 0815 hrs. The weather was dry and bright with a light south westerly wind. Retrieval of the mooring containing the three sediment traps positioned at depths 25, 50 and 75 m commenced at 0730 hrs. The traps were serviced and current meters attached one metre below each of the top and middle traps. A transmissometer was also included on the mooring at a depth of 22 m. The mooring was redeployed at 1215 hrs at position $53^{\circ} 51'.12N$ $05^{\circ} 33'.86W$. After lunch the guard buoy mooring was retrieved and additional wires attached to accommodate two water samplers positioned at depths 15 and 18 metres. This mooring was redeployed at 1510 hrs at position $53^{\circ} 51'.04N$ $05^{\circ} 33'.38W$. With all moorings successfully serviced and redeployed, work for the day was completed at 1740 hrs. The vessel then sailed for Belfast.

Wednesday 5 April 1995

The vessel docked in Belfast in the early hours and the scientific crew disembarked at 1030 hrs.

PROBLEMS ENCOUNTERED

The hydrographic winch cable became entangled around the braking mechanism of the winch and was subsequently damaged. As a result it was not possible to monitor temperature and salinity nor take water samples at depth whilst on station 38. W Clarke is to investigate and repair the damaged cable.

ACKNOWLEDGEMENTS

The ship's master, officers, engineers, catering staff and crew are thanked for their cooperation during this cruise.



BM STEWART

2 May 1995