

R1/6

Not to be cited without prior reference to the Marine Laboratory, Aberdeen

FRV CLUPEA

Cruise 2194C

REPORT

19-25 November 1994

Ports

Loading	Tarbert, Loch Fyne
Unloading	Tarbert, Loch Fyne

Personnel

R Payne	HSO (in charge)
P A Gillibrand	HSO
A Fry (Miss)	Clyde River Purification Board (CRPB). 20-22 November 1994
A Whittall	Clyde River Purification Board (CRPB). 20-22 November 1994

Objectives

1. To deploy three oceanographic buoy moorings supporting instruments in Loch Fyne.
2. To carry out a CTD/Rosette hydrographic and chemical survey of Loch Fyne.

Out-turn days per project

Seven days BGB1

Narrative

The Marine Laboratory staff travelled to Tarbert to join *Clupea* on 18 November 1994. The following morning the net drum and starboard warp were removed and the vessel loaded with enough gear for two buoy moorings. One mooring was left on the pier for collection later that day. In the afternoon the outer mooring was successfully deployed. The vessel returned to Tarbert and loaded the third mooring aboard. On 20 November the inner and middle moorings were deployed, the vessel returning to Tarbert in the evening. The two CRPB staff joined the vessel at 2100 hrs. The hydro/chemical survey of the loch commenced on 21 November and was completed the following day. The *Clupea* unloaded at Tarbert on 23 November and left to make passage to Fraserburgh. Scientific staff returned to the Laboratory by road on 23 November.

Objectives

1. The three oceanographic buoy moorings supporting current meters, a water-level recorder, a Seacat CTD/DO, a self contained ADCP and a Met. Buoy were successfully deployed.
2. A total of 23 temperature and salinity profiles were obtained with the CTD. Nine ROSIE stations were worked with samples being obtained for Oxygen, Phosphate, Ammonia, Nitrate and Nitrite. Oxygen samples were analysed on board, the remaining samples being filtered and frozen for analysis by CRPB at their laboratory. Three profiles of salinity samples were taken to allow calibration of the CTD. Two profiles with the CTD were taken adjacent to the inner and outer mooring to allow calibration of the instruments on the mooring.

R Payne
29 November 1994

Seen in draft: A Simpson OIC FRV *CLUPEA*