

R1/6

Not to be cited without prior reference to the Laboratory

FRV *Clupea*

Cruise 0193C

Report

6-12 January 1993

Personnel

P Balls	PSO
W Turrell	SSO
R Mitchell	SSO
R Payne	HSO
R Adams	SO
M Lyons	PhD student

Objectives

1. To lay six current meter moorings.
2. To undertake a hydrochemical survey along the east coast of Scotland, Moray Firth to the Firth of Forth.

Narrative

Following loading at Fraserburgh on 7 January *Clupea* sailed approximately 1230 and proceeded south for the Tay area. En route, a hydrochemical survey was completed along a line of stations off Aberdeen. Overnight *Clupea* proceeded to an anchorage in St Andrews Bay.

During 7 January the two moorings held on board were successfully laid, after which, *Clupea* travelled to Dundee to collect equipment for the second pair of moorings. *Clupea* left Dundee on the morning of the 8th, and both moorings were successfully laid despite difficult conditions off St Andrews and Fife Ness. *Clupea* returned once more to Dundee to collect the final pair of moorings and remained in port overnight.

Severe weather during the 8th prevented the deployment of these moorings and *Clupea* proceeded to Aberdeen where she docked in the early evening in order to start a new cruise programme following the Shetland oil spill. *Clupea* unloaded during the morning of the 9th after which all scientific staff left the ship.

Results

It was not possible to meet all of the objectives within the time constraints of this shortened cruise. Seven current meters, two wave height recorders and two nutrient analysers were positioned and are due to be recovered in early March, at which time the first results will become available.

P Balls

3 February 1993

CLUPEA 0193C (Part 1) CRUISE TRACK

