

R1/6

Not to be cited without prior reference to the Laboratory

FRV *Clupea*

Cruise 0694C

REPORT

30 March - 4 April 1994

Ports

Loading	Fraserburgh
Unloading	Fraserburgh

Personnel

R Payne	HSO (in charge)
F Brown(Mrs)	SO
M Lyons	PhD Student

Objectives

1. To deploy two oceanographic buoy moorings off St Andrews in the Scottish coastal zone.
2. To carry out a CTD and water bottle survey on four lines of stations in the Scottish coastal zone between Arbroath and Fife Ness to establish the temperature and salinity patterns and the nutrient concentrations in the area.

Out-turn days per project

6 days BGE1

Narrative

The scientific staff joined *Clupea* at 1015 on Wednesday 30 April 1994. *Clupea* sailed from Fraserburgh at 1245 but was forced by bad weather to put into Peterhead for shelter shortly afterwards. The vessel remained stormbound until 0630 on 1 April when a passage was made to the area off the Firth of Tay. Persistent faults with the steering gear forced the vessel to anchor off St Andrews overnight while repairs were made to the equipment. The two moorings were deployed early on Saturday morning and the CTD and water bottle survey commenced. A SSE gale halted operations at 1630 on 3 April forcing *Clupea* to make a rough passage to Fraserburgh docking at 0600 on Monday 4 April.

Objectives

The two oceanographic buoy mooring supporting current meters, water-level recorders and nutrient analysers were successfully deployed off St Andrews.

Delays due to bad weather forced the CTD and water bottle surveys to be slightly curtailed. Twenty-five CTD dips and twenty-four bottle casts were made.

The nutrient samples and CTD profiles have been returned to the Laboratory for analysis.

R Payne
12 April 1994

Seen in draft: G Geddes, OIC FRV *Clupea*

SCOTTISH NORTH SEA COASTAL ZONE PROJECT

