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FRV CLUPEA

Cruise 0993C

REPORT

7-13 May 1993

Personnel

R Payne HSO (in charge)
G Slesser HSO
R Adams SO
L Campbell SO
J Barkess (10-13 May)

Objectives

1. To service four current meter moorings in the coastal zone between Arbroath and Fife Ness.
2. To undertake a hydro/chemical survey along the east coast of Scotland, Moray Firth to the Firth of Forth.

Narrative

~~Clupea~~ loaded at Fraserburgh on 7 May 1993 and sailed at 1245 south to the Tay area. On 9 May moorings 1 and 2 were serviced. The surface buoy on mooring 1 had been struck by a vessel and damaged although the light was still working. The surface buoy was repaired, but the unit should be replaced on the next trip. On 9 May moorings 4 and 6 were serviced before proceeding to Dundee to pick up J Barkess early am on 10 May. *Clupea* proceeded to sea but the severe weather conditions forced a return to the Firth of Tay after only three stations had been completed. The opportunity was taken to bring C Hall on board to attempt to repair the rosette sampler and thermosalinograph. Unfortunately both instruments showed serious electronic faults and repairs on board were not practicable. C Hall left the vessel at 1300 on 11 May and *Clupea* sailed to attempt to continue the hydro/chemical survey. Station work was commenced at 1430 in very poor weather conditions and continued until 1200 on 12 May.

Clupea set course for Fraserburgh arriving at 2030 on 12 May.

Results

Objective 1 was completed in good to moderate weather and all four moorings were serviced successfully.

Due to problems with the electronics of the rosette sampler and particularly to the unrelenting strong to severe gale onshore winds only a skeletal survey of 25 stations of the southern part of the coastal zone was achieved. T&S were measured by CTD and nutrient and chlorophyll samples were collected by Knudsen bottle casts.

The records and samples await analysis at the Laboratory

R Payne
13 May 1993

Seen in draft: S Clark

SCOTTISH NORTH SEA COASTAL ZONE PROJECT 1993

