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CRUISE REPORT

FRV "CLUPEA"

18--21 OCTOBER 1977

Objectives

1. Measurement of currents in the Firth of Forth area using moored recording current meters.
2. Environmental station work in the Firth of Forth area.

Narrative

"Clupea" left Aberdeen at 1300 hrs on 18 October and proceeded to the Firth of Forth area. At the Bell Rock and St Abb's Head dumping grounds, samples were collected for microbiological analysis. The current meter programme was commenced the next morning and completed by mid-day. The environmental station work was then started and completed at 1900 hrs on 20 October. The ship then proceeded to Aberdeen where she docked at 0130 hrs on 21 October.

Results

Current meter moorings

The mooring west of the Isle of May had suffered extensive damage in that the sub-surface and surface buoys were missing. The mooring was successfully recovered however. It was decided not to redeploy this mooring. The Fidra mooring was successfully recovered and re-laid. The data are currently being analysed.

Environmental station work

All but one station on the grid comprising lines A to E were worked. The samples await analysis.

Microbiological sampling

Sediment and water samples for Escherichia coli determination were collected at the Bell Rock and St Abb's Head dumping grounds and at the outfall of the Leith sewer.

Trace metal sampling

At selected stations within the Firth of Forth area, water samples were taken for arsenic determination. These samples have yet to be analysed.

E W Henderson  
24.11.77

Seen in draft -- A Mair