

R1/6

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FRV *Clupea*

Cruise 1591C Pt1

REPORT

5-15 November 1991

Ports

Loading - Fraserburgh 5 November 1991

Unloading - Fraserburgh 15 November 1991

Personnel

J N Robson	SSO (in charge)
D Campbell	ASO

Objectives

1. To obtain samples of fish from the Moray Firth and Firth of Forth for monitoring of the geographical distribution of organic contaminants.
2. To obtain samples of phytoplankton from the above sites for monitoring of organic contaminants.
3. To obtain large volume samples of water from the Moray Firth, Firth of Forth and the North Sea for monitoring of organic contaminants.
4. To obtain sediment samples from the Moray Firth and Firth of Forth for the analysis of polychlorinated dioxins and furans.

Narrative

Loading was completed by lunchtime of 5 November but poor weather prevented sailing that afternoon. The vessel left Fraserburgh the next morning and began trawling in the Moray Firth where work finished at 2100. The vessel then proceeded overnight to the Firth of Forth and water sampling was commenced at a station near the Isle of May. The vessel completed two trawls before anchoring overnight in the Firth of Forth. The following four days were spent collecting water and sediment samples in the Firth of Forth; samples being collected on transects running from Grangemouth to the Isle of May. The vessel left the Firth of Forth en route to the Moray Firth on the morning of 13 November (poor weather prevented the vessel steaming overnight); the vessel stopping offshore of Aberdeen to collect a water sample. The vessel began trawling on 14 November in the Moray Firth but worsening weather curtailed the scientific programme and the vessel headed for Fraserburgh docking at 1300.

Unloading was completed at 1130 on 15 November and scientific staff returned to Aberdeen.

Results

Samples of biota, water particulate and sediment were successfully collected from the Firth of Forth and Moray. Analysis for trace organic contaminants will begin as soon as possible.

J N Robson
13 January 1992

