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FRV *Clupea*

Cruise 0791C

REPORT

8-17 May 1991

### Personnel

J N Robson SSO (in charge)

D Campbell ASO

### Objectives

1. Collection of water, particulates and sediment samples for determination of trace organic contamination at selected sites in the Firths of Tay and Forth.
2. Collection of sediment cores at selected sites in the Firth of Forth.

### Narrative

Wednesday 8 May - The scientific staff joined *Clupea* at 1100. The vessel left Buckie at 1600 *en route* to the Firth of Forth.

Thursday 9 May - Following arrival (0700), scientific staff began collecting sediment cores at selected stations in the Firth of Forth. After the work was completed, the vessel proceeded to Granton for overnight berthing.

Friday 10 May - The vessel left Granton (0700) *en route* to Grangemouth docks arriving 0900. The vessel was secured to the outer pier and scientific staff began collecting water and particulate samples. The sampling was aborted at 1100 as the vessel had to return to Granton (1300) for crew changeover. No further scientific work was conducted and the vessel remained at Granton overnight.

Saturday 11 May - The vessel left Granton (0800) *en route* to Grangemouth docks arriving 1000. The vessel was secured to the outer pier and scientific staff began collecting water and particulate samples. The work was completed at 2300 and the vessel remained at Grangemouth overnight.

Sunday 12 May - The vessel left Grangemouth at 0700 and water/particulate/sediment core sampling was undertaken at three sites west of the Forth rail bridge. The work was completed at 1900 and the vessel proceeded to anchor at Burntisland.

Monday 13 May - The vessel left anchor at 0600 and water/particulate/sediment core sampling was undertaken at four sites in the outer Firth of Forth. Following completion of the work (1800), the vessel proceeded to Granton for overnight berthing.

Tuesday 14 May - The vessel left Granton at 0600 and water/particulate/sediment core sampling was undertaken at four sites in the outer Firth of Forth. The vessel was anchored at Methil overnight.

Wednesday 15 May - The vessel left anchor at 0600 and water/particulate/sediment core sampling was undertaken at three sites in the outer Firth of Forth. The work was completed at 1600 and the vessel proceeded to Dundee for another crew change.

Thursday 16 May - The vessel left Dundee harbour at 0430 and scientific staff began collecting water and particulate samples. The work was completed at 1200 and the vessel proceeded to Buckie.

Friday 17 May - The vessel arrived in Buckie at 0000. Unloading was completed at 1130 and scientific staff returned to Aberdeen.

## Results

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

Approximately one and a quarter days sampling time were lost as a result of enforced crew changes. These had become necessary because of a crew shortage which threatened Scotia's departure for an important fish stock survey.

J N Robson

29 May 1991

Seen in draft: W Smith

CRUISE TRACK REPORT : CLUPEA 07/91

