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Not to be cited without prior reference to the FRS Marine Laboratory, Aberdeen

FRV *Clupea*

Cruise 1707C

Programme

4-7 December 2007

Loading: Fraserburgh

Unloading: Fraserburgh

*In setting the cruise programme and specific objectives, etc., the Scientist-in-Charge needs to be aware of the restrictions on working hours and the need to build in adequate rest days and rest breaks as set out in FRS' Working Time Policy (which is published on the Intranet). In addition, the Scientist-in-Charge must formally review the risk assessment for the cruise with staff on-board before work is commenced.

In the interest of efficient data management it is no mandatory to return the Cruise Report, to John Morrison and the Cruise Summary Report (old ROSCOP) to Dougal Lichtman, within four weeks of a cruise ending. In the case of the Cruise Summary Report a nil return is required, if appropriate.

Personnel

Alistair McIntosh

Gillian Packer

Lyndsay Brown

Fishing Gear: 2m beam trawl, day grab

Objectives

1. Sample flounder in the Firth of Forth, Blackness, for biological effects and chemical measurements.
2. Sample sediments for phytoplankton cysts.

Estimated day per project: 4 days 10124 (AE11p)

Procedure

Clupea will be loaded with all necessary sampling and scientific gear on the afternoon of 3 December or the morning of 4 December. *Clupea* will sail on 4 December and make passage south to the Firth of Forth. Fishing for flounder by beam trawl will be undertaken at Blackness. Passage will then be made back to Fraserburgh. Sediments will be sampled for phytoplankton cyst analysis at selected sites in the Forth Estuary and along the east coast.

Liquid nitrogen will be carried for preservation and storage of biological samples.

Normal contacts will be maintained with the Laboratory.

J A Morrison

23 November 2007