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

FRV *Alba*

Cruise 0308A

PROGRAMME

19-28 May 2007

Ports

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 assessments for the cruise with staff on-board before work is commenced.**

In the interest of efficient data management it is now mandatory to return the Cruise Report, to John Morrison and the Cruise Summary Report (old ROSCOP form) 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

Barry O'Neill (19 May–23/24 May)

Keith Summerbell

Mike Robertson

Barbara Zarod

Bob Milne

Gear

Modified TV sledge

LISST 100X

Acoustic releases

ground gear elements, modified trawl door and weights

Day grab (including table)

Sholkovitz corer and centrifuge (tbc)

Objectives

- To collect samples of the sediment plumes behind objects towed over the sea bed using a towed sledge on different sediment types.

Procedure

The Clupea will leave Fraserburgh on 19 May and steam towards Burghead. Operations will take place over the following few days in inshore waters between Portsoy and Nairn.

The sediment plumes will be sampled (i) by water samplers, (ii) by small pup nets and (iii) using a LISST 100X, all of which will be mounted on a modified TV sledge. The water samplers will be triggered by acoustic releases and an optical path reduction module will be used on the LISST 100X when working in finer sediments.

The sediment plume samples will be filtered, sub-sampled and stored on board the Clupea. Analysis of the suspended solids, particle size and nutrients will take place on return to the Laboratory. Sediment samples from the area worked will be taken using the day grab.

Barry O'Neill will leave on 23/24 May (time and place tbc) and the vessel will return to Fraserburgh on the 27 May and the scientific personnel will disembark and unloading will take place on the 28 May.

NB The deck net drum is to be removed before 19 May.

Normal contact will be maintained with the Laboratory.

J A Morrison
6 May 2008