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FRV *Clupea*

Cruise 0896C

REPORT

22 May - 5 June 1996

Ports

Loading: Ardrossan
 Unloading: Fraserburgh

Personnel

I M Davies	PSO (in charge)	22 May - 5 June
P Hayes	PhD Student	22 May - 5 June
G Grewar	Visitor	22 May - 5 June
L Burns	Visitor	22 May - 31 May
P Kerr	Visitor	22 May - 31 May
R Matthews	Visitor	22 May - 31 May
M Harding	Contract Worker	31 May - 3 June

Objectives

To collect sediment samples from the Clyde Sea area, and selected sea lochs including the Gareloch and Lochs Fyne and Duich. To process these samples to extract interstitial water and undertake preliminary chemical analysis in support of programmes to describe the chemical composition of sea bed sediments. To collect and analyse samples of dogwhelks from selected locations in Loch Laxford.

Out-turn days per project: 15 days, BGA1

Narrative

The equipment was loaded at Ardrossan on 22 May, and sampling was undertaken in Loch Fyne and the Gareloch between 23 May and 26 May. The processing of the sediment samples required the vessel to be in port (East Loch Tarbert, Rothesay, Greenock) for several hours after batch of samples had been collected.

After completion of work in the Clyde, the vessel made passage on 27 May to the Beaufort's Dyke area to complete the outstanding sediment sampling from cruise 0796C. *Clupea* then travelled north, collecting sediment samples in Loch Hourn before entering Loch Duich. Sediment sampling and processing was undertaken in Loch Duich on 29 and 30 May. Poor weather confined *Clupea* to port at Kyle of Lochalsh on 31 May, but conditions improved sufficiently to allow passage to Loch Laxford on 1 June. R Matthews and P Kerr left the vessel at Kyle and M Harding joined in Loch Laxford on the morning on 2 June.

A survey was carried out in Loch Laxford of imposex in dogwhelk populations which revealed that the impact of tributyltin antifoulants (previously used on salmon cages in the loch) was less intense than in previous years, but that populations just outside the loch showed such strong effects.

Clupea made passage to Fraserburgh on 3 and 4 June 1996. Water samples for radio-caesium analysis were collected at two standard locations, off Cape Wrath and in the Pentland Firth.

Ian M Davies
 13 September 1996

Seen in draft: A Simpson

