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FRV "Clupea"
Cruise 3/86

SM

REPORT

26 February - 7 March 1986

Personnel

P MacLachlan	HSO (In charge)
J Dunn	HSO
S Hay	HSO (26 Feb - 3 Mar)
J Gamble	PSO (27 Feb - 3 Mar)
I Heath	SSO (3 Mar - 5 Mar)
R Mitchell	HSO (3 Mar - 5 Mar)

Objectives

- 1) To lift, service and deploy the Loch Ewe mooring systems used in the bag experiment.
- 2) To test, modify and evaluate two new pieces of plankton/fish larvae sampling equipment
 - a) large pump system
 - b) multidepth sampling system
- 3) To collect radio caesium samples.

Narrative

"Clupea" sailed from Buckie at 1600 hrs on 26 February and proceeded to Loch Ewe where she arrived at 1100 hrs on 27 February. While on passage, radio caesium samples were collected at the following stations:

- 1) 57°49'W; 2°58'W
- 2) 58°40'N; 2°59'W
- 3) 58°40'W; 5°00'W

"Clupea" was engaged in lifting, refurbishing and deploying the Loch Ewe Bag moorings from the afternoon of 27 February until 1 March.

Intensive testing of the large pump system was undertaken on 2 and 3 March. Although several problems became manifest mainly concerned with handling, the system worked well. A reliable, fully operational system should be available for the September "herring patch" cruise on the "Scotia".

Sea trials of the multidepth sampler commenced on the afternoon of 3 March. Although the mechanical part of the sampler performed perfectly, there was a serious fault in the flow meter system which was traced to the flow meter electronics. These will have to be redesigned.

In deteriorating weather, testing of the sampler was abandoned on the evening of 4 March.

Prevailing bad weather curtailed final mooring work and the boat was unloaded on 5 March, sailing for Stornoway on the morning of 6 March.

P MacLachlan
4 April 1986

seen in draft
W Smith