

R1/6

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

FRV *Clupea*

Cruise 0599C

REPORT

1-13 April 1999

Loading: Fraserburgh**Unloading:** Fraserburgh**Personnel**

J M Pirie	B3 (in-charge)	
M R Robertson	B2	
A D McIntosh	B2	1-6 April
P Gillibrand	B2	6-13 April
L A Campbell	B1	
R D Adams	B1	6-13 April
B Gowland	(Phd student)	1-6 April

Objectives

1. To collect sediment samples from Loch Torridon and other selected west coast sea lochs for fish farm chemical and PAH determination.
2. To obtain fish and shellfish samples to assess biological effects and investigate fish farm chemical residues from the sea lochs sampled in objective one.
3. To undertake benthic sampling at the sea lochs sampled in objective one.
4. To deploy current meters and undertake hydrographic surveys of Loch Torridon and one other of the sea lochs sampled in objective one.

Out-turn days per project: AE11 53, 13 days**Narrative**

Following loading of scientific equipment, passage was made from Fraserburgh at 1130 hours on 1 April to Loch Diabeg where sampling commenced at 1100 hours on 2 April. In excellent weather sediment, benthic, and biological sampling was completed in Lochs Diabeg, Shieldaig and Inner/Outer Torridon by 1500 hours on 6 April. Passage was made to Gairloch where change of scientific personnel was effected at 1800 hours on 6 April. Deployment of current meter moorings in Lochs Diabeg and Shieldaig were completed on 7 April and hydrographic surveys completed on 8 April. In deteriorating weather conditions sediment, benthic and biological sampling was completed in Little Loch Broom on 9 April and passage made to Loch A'Chairn Bhain. Current meters were deployed in Loch A'Chairn Bhain on 10 April and sediment, benthic and biology sampling completed on 11 April. In anticipation of severe weather conditions passage to Fraserburgh was begun at 1300 hours on 11 April. Docking was completed at Fraserburgh at 1230 hours on 12 April. All biological, sediment and benthic equipment were disembarked by 1000 hours on 13 April and returned to Aberdeen where all samples were stored for subsequent analysis.

J M Pirie
15 April 1999

Seen in draft: A Nicol (OIC *Clupea*)

Cruise Track Clupea 0599C

