

In Confidence - Not to be quoted without reference to the Laboratory

FRV CLUPEA
Cruise 4/78
Report
8 - 18 May 1978

Personnel	J H A Martin	SSO
	R D Adams	SO
	A Ward	SO
	J S Bell	Student

Narrative

CLUPEA sailed, on completion of loading, from Aberdeen at 1220 on Monday, 8 May and proceeded directly to Yell Sound, Shetland where a rendezvous was made with SCOTIA the following morning to hand over essential equipment. CLUPEA then proceeded to Sullom Voe where Queen Cages, sedimentation traps and a thermistor chain were deployed. A hydro-chemical survey was completed twice along with a micro biological and hydro carbon survey. The work was completed on Saturday morning and CLUPEA sailed to Mid Yell for the remainder of the week-end. Work was resumed in Sullom Voe at 0830 on Monday 15 May when the Queen Cages and sedimentation traps were uplifted. CLUPEA then sailed for the Moray Firth arriving off Cromarty at 0800 the next morning. A hydrographic survey was followed by a transmissometer survey. Contact was made that evening with a representative of the British Aluminium Company at Invergordon and a further transmissometer survey was made on Wednesday 17 May in association with the dumping of Cryalite. When this was completed CLUPEA sailed for Buckie and docked at 2010.

Results

The hydro-chemical surveys await analysis but were completed satisfactorily along with the micro biological survey. The thermistor chain was left in situ to be recovered in October. One cage of Queens was lost, having fouled an anchor but the remaining four were recovered with live Queens.

The hydrographic survey of the Moray Firth revealed well developed thermo- and haloclines in the upper 10 metres. The transmissometer surveys showed a different pattern from a similar survey in December but did not indicate that Cryalite dumping greatly increased the turbidity of the area.

Seen in draft: G Geddes

J H A MARTIN
22 May 1978