

CR LF/5/88

Not to be cited without reference to the laboratory

R V Lough Foyle Cruise LF/5/88 REPORT

15-16/12/88

Personnel

D J Agnew SIC
R Rosell
M Service (DED)

Objectives

1. To carry out rockhopper trawls on the North Channel Sludge disposal grounds.
2. To carry out trials of DED Day Grab operation from Lake Foyle.

Narrative

Lough Foyle left Belfast 0900 Thursday and proceeded to the disposal site. Two tows were unsuccessful in obtaining large numbers of dabs but the westerly site contained large numbers of Lemon Sole.

Deployment of the grab revealed the following faults:

- kinking in the hydrographic wire;
- non-recording of meters out in the wet lab;
- low friction on the wire resulting in non-recording of meters out anywhere when the grab was sinking;
- sea water supply system needs a lot of attention. This should include capping of outlet on deck, provision to all labs cleared.

M Service left 1800 Thursday being left in Bangor Co Down by inflatable. Lough Foyle then travelled to muddy grounds south of Portavogie for control site, towing 0230-0430. Grab was further successfully deployed 0900-1100 Friday and Lough Foyle entered Strangford 1130 Friday. D Agnew and R Rosell left 1230 Saturday and R Boyd and D King (boarded 1600 Friday 16-12-88) sailed with Lough Foyle back to Belfast.

Results

Location of tows was as follows

tow	time	start	end
1	-	-	54 44.97 5 28.28

2 - - 54 43.02N 5 30.99W
 3 0230 53 51.7N 5 48.16W 53 48.0N 6 00.0W

Location of grab samples

sample station	time	position	sample
1	9:27	54 9.95N 5 31.11W	1
	9.37	54 9.79N 5 31.19W	2
	10.03	54 9.67 5 31.48W	3 seived
			4
2	10.28	54 12.11 5 35.05	5 seived
	10.33	54 12.08 5 35.00	6
	10.35	54 12.08 5 34.96	7

D J Agnew 17-12-88