

CR LF/3/88

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R V LOUGH FOYLE CRUISE LF/3/88 REPORT

20-Nov-88 to 23-Nov-88

Personnel

D J Agnew HSO (in charge)
R Nash Liverpool University, Port Erin (21-23 Nov)
P Fernandes Liverpool University, Port Erin (21-23 Nov)

Objectives

1. To install, configure and perform trials of the Lough Foyle's Hydroacoustic survey equipment.

Narrative

D Agnew boarded 2100 Belfast, Sunday 20 Nov, the ship sailing for Douglas, Isle of Man at 2300 that day. Richard Nash and his research student Paul Fernandes were picked up 1000 Douglas as planned and the ship anchored for the morning whilst equipment was set up in the upper laboratory. Steaming trials followed in the afternoon and established that the transducer body could be towed from the after hydrographic winch, some engine and ship reflected noise being recorded.

Further trials were carried out between Peel and the Mourne shore on Tuesday, some herring being marked but mostly whiting, sprat and plankton. Lough Foyle returned to Douglas bay and anchored for the night, R Nash and P Fernandes disembarking 0900-1000 Wednesday.

Lough Foyle returned to Belfast where D Agnew disembarked 1800 Wednesday 23 Nov 1988.

Results.

The ech^c integration system to be used for Herring acoustic surveys was successfully tested from data capture to data analysis. One 3 hour tape of raw data was collected for later analysis and Mainley Fish, Research's integration program installed on the Lough Foyle's Tandon computers.

D J Agnew 23-Nov-88