

CR LF/4/88

Not to be cited without reference to the laboratory

R V Lough Foyle Cruise LF/4/88 REPORT

5-6/12/88

Personnel

D J Agnew SIC
R P Briggs
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Objectives

1. To carry out calibration tows between the Lough Beltra and the Lough Foyle on muddy ground at stations to be used for the groundfish surveys.

narrative

Lough Foyle left Belfast 0800 Monday and a rendezvous with Lough Beltra (SIC D Minchin, FRC) made at station 11 off Carlingford Lough at 1430. One shot of parallel tows was made but proved to be unmanageable because of large numbers of Rhizostoma. Both ships berthed Warrenpoint 1800, sailing at 0800 the next day for a photographic session leaving the Lough. Calibration of the Lough Beltra's 3-bridled net and the Lough Foyle's rockhopper net was done at station 15 using acoustic net monitoring equipment supplied by Lough Foyle. This was followed by 3 successful parallel tows at station 15, for 30 min each. Lough Foyle docked 2230 Belfast and scientific personnel disembarked 0900 Wed 7 December.

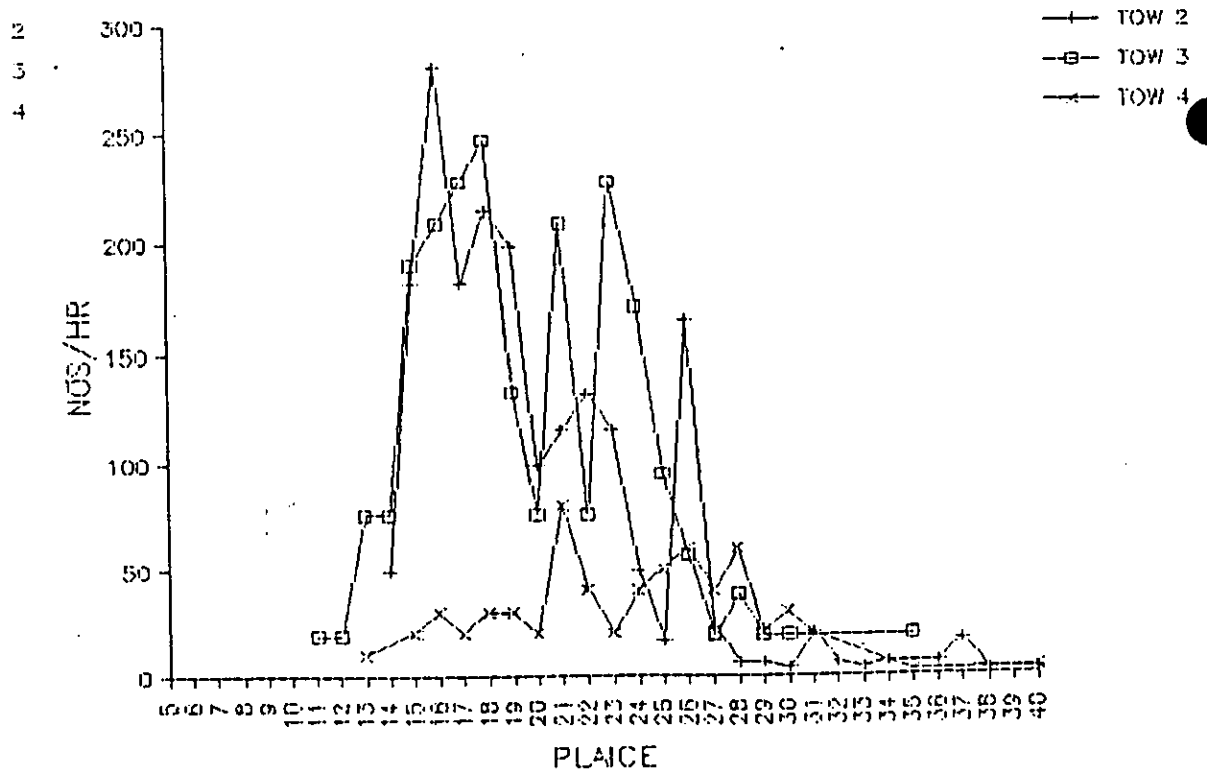
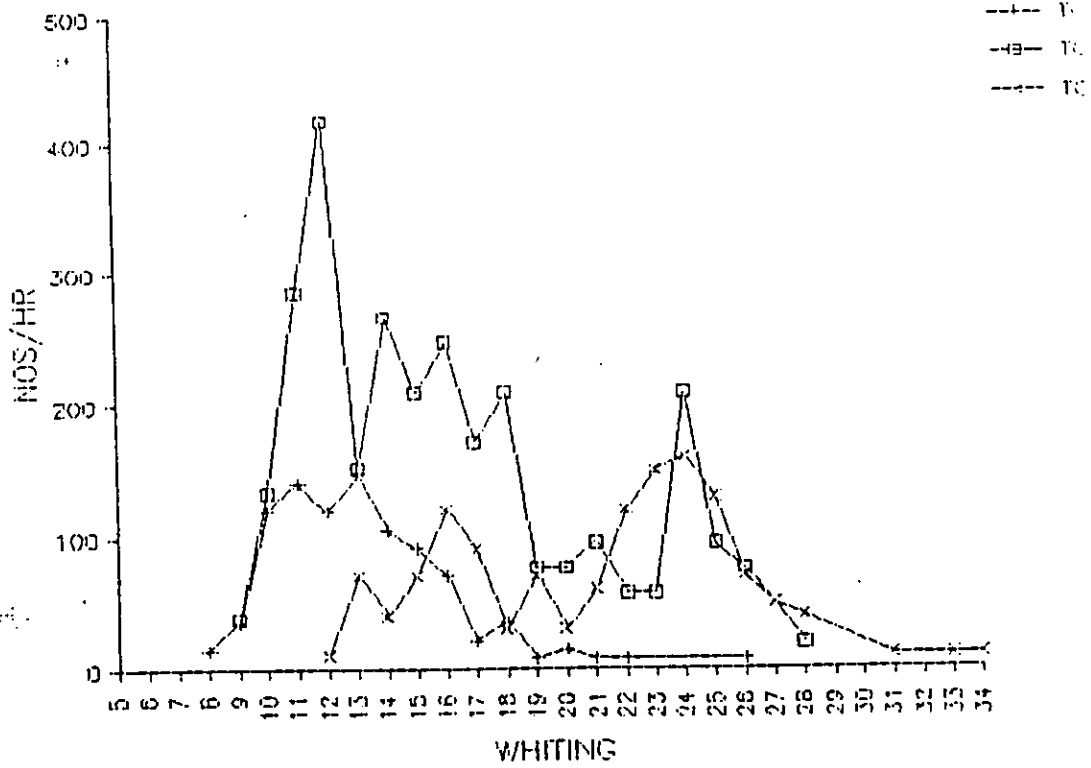
During this cruise the workboat performed well in moderate seas (sea state 2-3) and the net monitor was used successfully to obtain data in the other vessel's net.

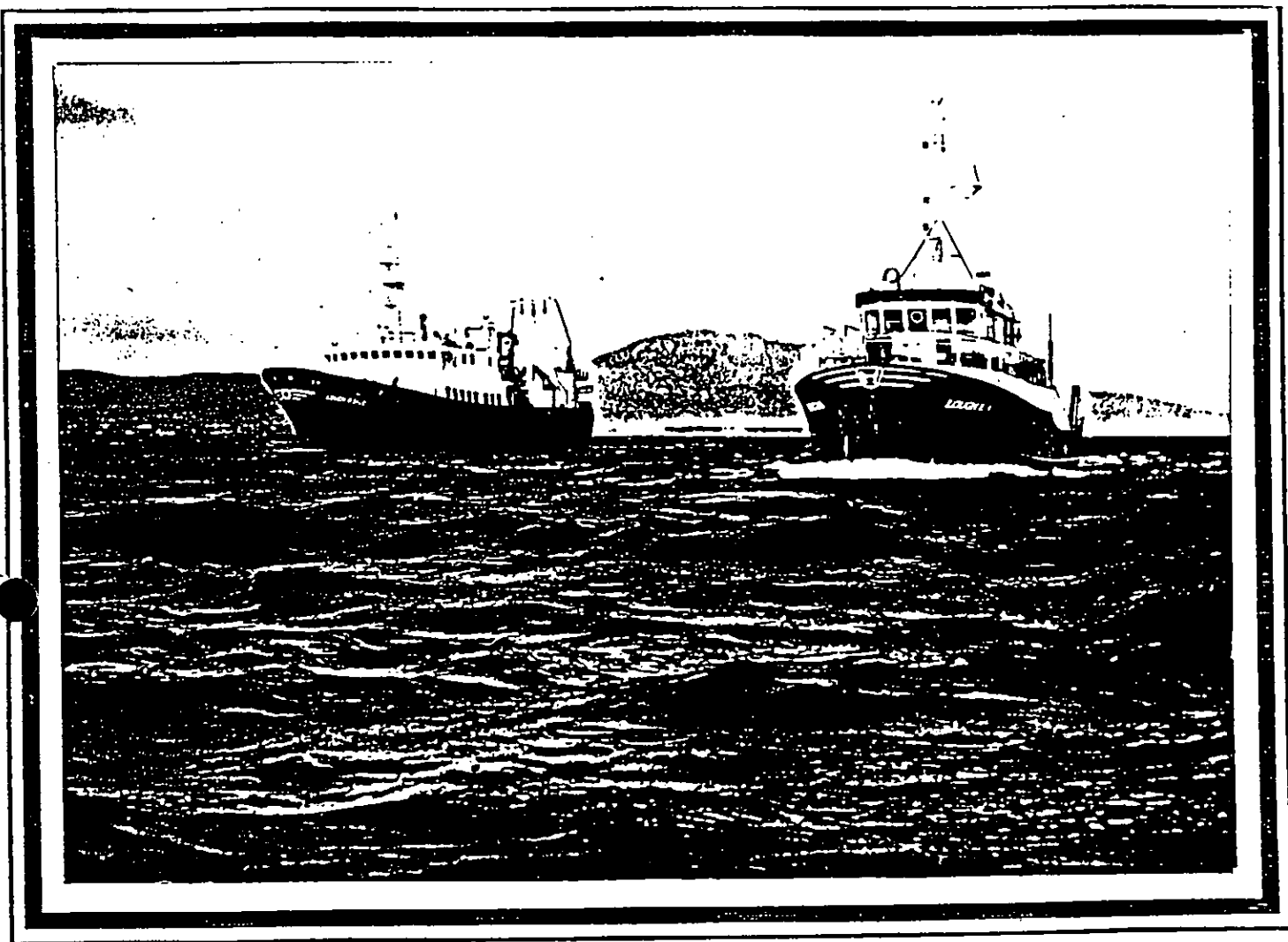
Results

Some results are shown in fig 1. The tow positions are given below.

STATION	11	15	15	15
SUBSTRATUM	clean	mud	mud	mud
TOW	1	2	3	4
START LAT	53:54.26N	54:10.20N	54:09.50N	54:08.80N
START LON	5:45.34W	5:42.03W	5:42.16W	5:42.67W
END LAT	53:52.61N	54:10.21N	54:06.03N	54:08.47N
END LON	5:45.50W	5:39.79W	5:39.80W	5:40.58W
DEPTH (m)	53.5	24	25	25.5

D J Agnew 12-12-88



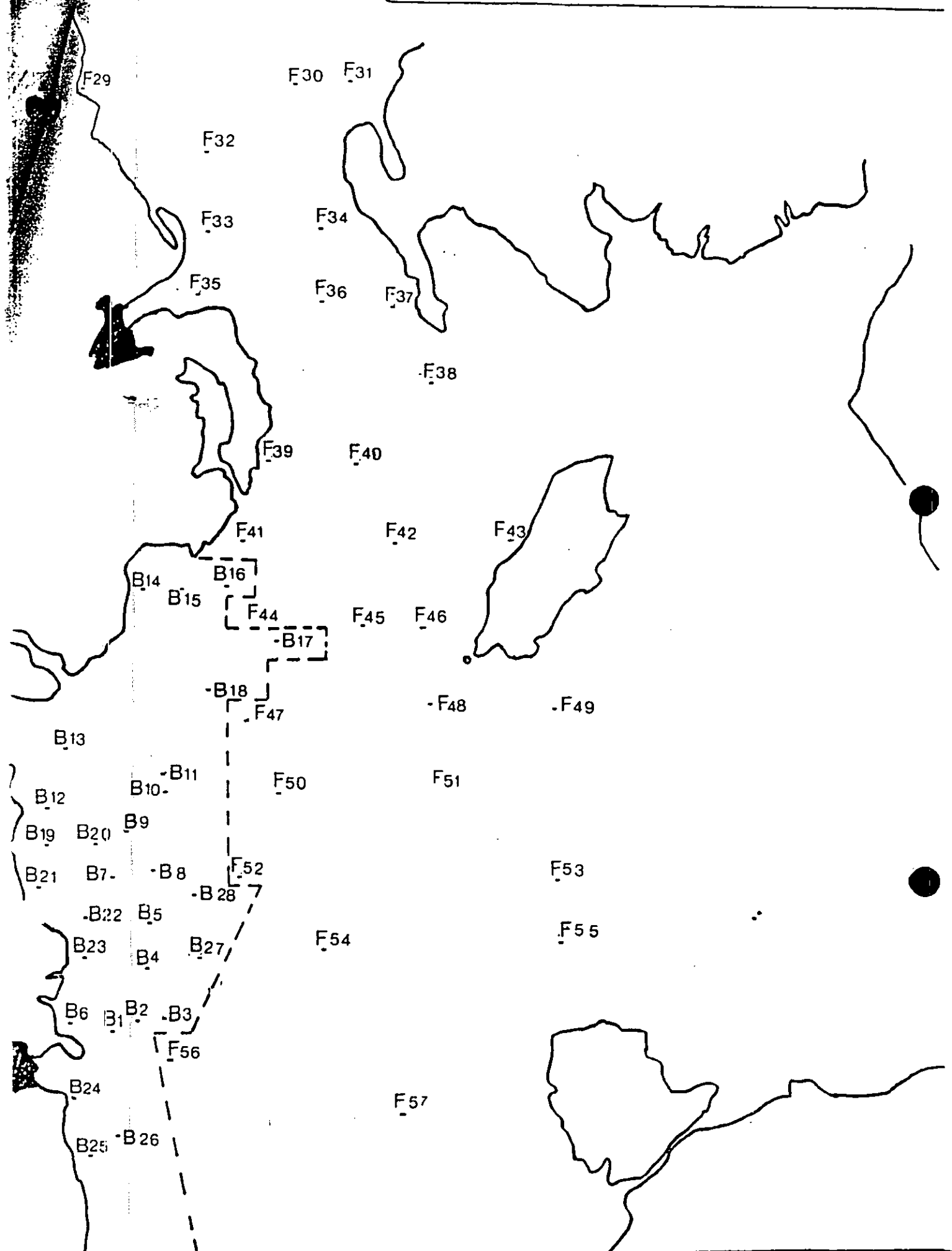


LOUGH FOYLE / LOUGH BELTNA

JOINT CRUISE

6-DEC-1988

CARLINE FORD LOUGH



F - D.A.N.I. STATIONS (L. FOYLE)
 B - L. BELTRA STATIONS