

MINISTRY OF AGRICULTURE, FISHERIES AND FOOD
FISHERIES LABORATORY, LOWESTOFT, SUFFOLK, ENGLAND

1976 RESEARCH VESSEL PROGRAMME

REPORT: RV TELLINA: CRUISE 12

(PROVISIONAL: Not to be quoted without prior reference to the author)

STAFF

P J Warren, NIC
S R J Lovewell

DURATION

Left Lowestoft 0900 h, 8 October

Arrived Lowestoft 1030 h, 20 October

LOCALITY

North-east coast: Farn Deeps

AIMS

- (i) To carry out a stock survey of Nephrops and shrimps in the area
- (ii) To examine stomach contents of cod for Nephrops and measure predator and prey
- (iii) To obtain further information on the comparative performance of 50 mm and 70 mm unimesh "prawn" trawls and an 80 foot Gulf trawl.

NARRATIVE

RV TELLINA sailed at 0900 h, 8 October and reached North Shields midday on 9 October. Mr Warren joined the ship at 1500 h the same day and in good weather the following morning compared the performance of the Gulf trawl with and without 5 fathom bridles. Gales closed the port on 11 October and Mr Lovewell boarded the ship at 1630 h. Gales continued into the following day and, after refuelling, the ship moved to Newcastle, leaving again early on 13 October to begin the stock survey. From 14-16 October onshore gales prevented work, but on 17 October the wind eased and the ship sailed, to be met with heavy swell. Two unsuccessful hauls completed the day's work. More wind prevented work on 18 October and the next morning the cruise was terminated and staff returned by rail to Burnham, leaving the ship to make for Lowestoft arriving at 1030 h, 20 October.

RESULTS

- (i) Only 6 hauls were completed from a planned 34, permitting no conclusions as to stock abundance or distribution.
- (ii) 5 cod predator/Nephrops prey observations were added to existing data.
- (iii) Gulf trawl: with/without bridles. 6 hauls provided insufficient evidence of improved performance with or without bridles. Nephrops with ($\bar{3}$ hauls) $n = 233$; without ($\bar{3}$ hauls) $n = 295$. It was not possible to detect a difference in total volume of catch.

P J Warren
28 October 1976

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Basic List

P J Warren
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