

Miss Howard

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

1970 RESEARCH VESSEL PROGRAMME

REPORT: RV TELLINA: CRUISE 8

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

STAFF:

R G J Shelton (part time)
P M Connor (part time)
A Whitelaw

DURATION:

Left Lowestoft 0800 hours 27 July

Arrived Lowestoft 1860 hours 5 August

All times are British Standard Time

LOCALITY:

Humber estuary

AIMS:

- Part 1: a) Preliminary observations on the benthos and sediments of the Humber estuary
- b) To carry out field toxicity experiments using moored cages at various sites in the Humber estuary
- Part 2: To determine the abundance, distribution, size/age composition and condition of queens in the Wash.

NARRATIVE:

TELLINA left Lowestoft at 0800 hours 27 July and sailed for Grimsby where she was joined on the 28 July by the scientific staff. On the morning of 29 July, trawling was carried out on the Sunk and Trinity Sands inside Spurn Head, using the 4 m beam trawl and the prawn otter trawl. These grounds proved too rough for the beam trawl, which was used for 2 hauls only. Using specimens obtained in the trawl, cages of fish and crustacea were laid at test and control stations in the Humber. Experiments were conducted with pink shrimps, shore crabs, soles, plaice, flounders and armed bullheads from 28 July until 5 August when TELLINA left the Humber to return to Lowestoft. In all experiments the survival of specimens kept at the control stations on the northern shore of the Humber was good but at the test sites on the southern shore survival was poor.

In addition to the cage experiments, a total of 40 stations was worked with the 1/5th sq m Van Veen grab. Thirty-eight of these stations were worked between Immingham and Grimsby, the other 2 being at the Ross Spit Buoy and 5 miles due east of this Buoy.

Due to the relatively slow progress of the experimental and grabbing programme, Part 2 of the aims was not achieved and a poor weather forecast also prevented a sediment sampling programme in the Wash from being carried out.

INITIALLED: AJL

R G J Shelton

DISTRIBUTION:

12 August 1970

Basic list

R G J Shelton

P M Connor

A Whitelaw

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