

1976 RESEARCH VESSEL PROGRAMME

REPORT: RV TELLINA: CRUISE 8.

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

STAFF

R S Millner  
J Wooltorton 9-13 June  
J R Joyce 14-17 June

DURATION

9-17 June

LOCALITY

Off Southwold

AIMS

1. To sample benthos and sediments on the Southwold dredging ground.
2. To sample gut contents of commercial fish species.
3. To survey in detail a small area prior to dredging.

NARRATIVE

TELLINA was berthed at Hamilton Dock in order to avoid going through the bridge twice a day at peak traffic periods. This arrangement worked very satisfactorily.

Between the 9 and 14 June sediment and epibenthos samples were obtained on the dredging ground and on the control area to the east. On the 15th scientists from the Atomic Energy Authority, Harwell, used TELLINA to obtain surface water samples from approximately 10 miles offshore, in order to investigate whether concentration of heavy metals occurs in this layer. The delicate sampling technique requires extremely calm conditions over a 3 hour period and this was achieved throughout the day.

The remainder of the cruise was spent on the dredging ground trawling for fish for the analysis of stomach contents.

RESULTS

1. Fine weather allowed a heavy sampling programme of sediment, epibenthos and gut samples to be collected from the dredging ground and the control stations to the east.
2. In one sector where intensive dredging had taken place, the seabed was found to be almost devoid of animal life. On previous cruises a varied bottom fauna had been recorded.
3. Water samples for heavy metal analysis were obtained from the surface sea layer by the AEA, Harwell.

R S Millner  
22 June 1976

SEEN IN DRAFT: A Pearson

INITIALLED: AJL

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