

MR BATE

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

1975 RESEARCH VESSEL PROGRAMME

REPORT: RV TELLINA: CRUISE 2

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

STAFF

R S Millner
J R Joyce (NERC Student)

DURATION

10-20 February

LOCALITY

Lowestoft dumping grounds

AIMS

To continue studies on resuspension of dumped spoil.

NARRATIVE

TELLINA worked on a day to day basis from Lowestoft. On 11 and 18 February the vessel anchored over the spoil dumping site and water samples and current velocity measurements were taken at 30 minute intervals for 13 hours. During the remainder of the cruise a van Veen grab was used to obtain sediment samples over a wide grid of stations around the dumping ground.

RESULTS

1. Current velocity measurements using a DRCM at 1 metre from the surface, 1 metre off the bottom and 40% of the depth from the bottom, were taken every 30 minutes for 13 hours over both spring tide and neap tide cycles. At the same time a chart recorder was used to plot an almost continuous record of sub-surface current velocity.
2. A total of 162 water samples taken at similar depths to the current measurements will be used to indicate the resuspension of sediments over the tidal cycle.

R S Millner
3 March 1975

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Basic list
R S Millner
J R Joyce