

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

1973 RESEARCH VESSEL PROGRAMME

REPORT: R V TELLINA: CRUISE 6

STAFF

T C Doddington  
J Wooltorton (10-14 May)

DURATION

Left Lowestoft 2100 hours 3 May  
Arrived Lowestoft 1330 hours 15 May

LOCALITY

Norfolk coast and Thames Estuary

AIMS

1. To co-operate with R V CORELLA in a continuous release Rhodamine experiment off Mundesley
2. To co-operate with R V CORELLA in a Rhodamine experiment and in the measurement of radioactive labelled particles in the northern Thames Estuary
3. To take a number of hydrographic observations in both areas.

NARRATIVE

After bad weather during the day TELLINA sailed from Lowestoft at 2100 hours 3 May, meeting with CORELLA off Mundesley the next morning. During the next three days three continuous Rhodamine releases were made. After the third release on 6 May the ship sailed for Lowestoft. During the afternoon in bad weather conditions the ship had to go into Gt. Yarmouth to make temporary engine repairs before carrying on to Lowestoft. Mrs Boon, who had been transferred from CORELLA, and Mr Doddington left the ship in Yarmouth.

TELLINA sailed from Lowestoft at 1330 hours 7 May and steamed to Ipswich. On 8 and 9 May two continuous Rhodamine releases were made. Bad weather on 10 May prevented TELLINA working, so a rendezvous was made with CORELLA in the river off Felixstowe in order to transfer Mr Wooltorton and equipment for the radioactive work on TELLINA. The next day was spent assembling this equipment.

The ship sailed from Ipswich 0445 hours 12 May and spent the day tracking radioactive labelled particles released from CORELLA. Bad weather prevented the ship working in the area on 13 May and the ship returned to Ipswich. On 14 May, after completing the survey, Mr Wooltorton was transferred back to CORELLA, and Messrs Parsons and Humphreys UKAEA were transported back to Ipswich. TELLINA returned to Lowestoft docking at 1330 hours 15 May.

RESULTS

1. Three continuous Rhodamine releases were made off Mundesley
2. Two continuous Rhodamine releases were made near the Gunfleet Sandbank.
3. Three radioactive labelled particle releases made from CORELLA were tracked.
4. A bed survey of the area of radioactive particle release was carried out.
5. Measurements of current velocity, temperature and salinity were taken during each Rhodamine release.

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DISTRIBUTION

Basic list

T C Doddington

J Woollorton

T C Doddington  
18 May 1973