

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

*MA. BAR. E.*  
*Miss Gell*

1972 RESEARCH VESSEL PROGRAMME

REPORT: R.V. TELLINA: CRUISE 3  
(PROVISIONAL: Not to be quoted without prior reference to the author)

STAFF

T C Doddington  
P A Hardiman (Burnham)

DURATION

Left Ipswich 0855 h 8 March  
Arrived Lowestoft 2000 h 23 March  
All times are Greenwich Mean Time

LOCALITY

Northern Thames Estuary

AIMS

1. To lay and recover 3 inshore moored current meter rigs.
2. To work a number of hydrographic stations and make D.R.C.M. measurements.
3. To make one or more continuous releases of Rhodamine WT to be surveyed by CORELLA.
4. To take a number of grab samples in the area for the Burnham Laboratory.

NARRATIVE

Messrs Doddington and Hardiman joined TELLINA in Ipswich on 7 March. After taking water TELLINA sailed from Ipswich at 0855 h 8 March and proceeded, in calm weather, to the working area where 3 inshore moored current meter rigs were laid. The next day a hydrographic station was worked for velocity, salinity and temperature. At 0130 h 10 March the station was terminated after one tidal cycle due to bad weather. The ship docked in Ipswich at 0715 h 10 March. After 4 days of easterly gales the ship sailed from Ipswich at 1030 h 14 March, checking the inshore current meter rigs. 2 hydrographic stations were worked for velocity, salinity and temperature before TELLINA met CORELLA on 17 March when a number of continuous releases of Rhodamine were made until early morning 20 March. During this period the ship also recovered the 3 inshore current meter rigs, difficulty being experienced with the rig in the Whitaker Channel. This rig appeared to have been towed by a trawler. On 21 March Captain Sellers was ferried to CORELLA from Burnham-on-Crouch to observe the current meter recovery procedure, and then water samples were taken on the edges of the banks bordering the Barrow Deep for salinity and spectrophotometric analysis. On 23 March 2 grab samples were taken for Burnham using the Smith-McIntyre grab. Malfunctioning of the grab prevented further use of this equipment but 3 more samples for qualitative analysis were taken using the Van-Veen grab. TELLINA then proceeded to Lowestoft docking at 2000 h.

RESULTS

1. Three inshore moored current meter rigs were successfully laid and recovered.
2. Three D.R.C.M. stations were worked for 12 $\frac{1}{2}$  hour periods.
3. Five continuous releases of Rhodamine were made. D.R.C.M. measurements, salinity and temperature observations were made during each release of Rhodamine.
4. A number of water samples were taken on each side of the Barrow Deep for salinity and spectrophotometric analysis.
5. Five grab samples were taken for the Burnham Laboratory.
6. Four sets of sea-bed drifters were released at 3 D.R.C.M. stations and 1 inshore rig station.

T C Doddington  
28.3.72

SEEN IN DRAFT: W Burroughs (Master)

INITIALLED: HWH

DISTRIBUTION

Basic List

T C Doddington

P A Hardiman (Burnham)