

Provisional: not to be quoted without reference to the writer

R.V. TELLINA

Report for Cruise 8(c)/67

Staff:

J. W. Talbot  
J. Wooltarton

Duration:

10-27th October

Aims:

To continue the hydrographic investigations in the Fal estuary. As far as possible particular attention was to be given to the outer part of the estuary.

Narrative:

The scientific staff and crew joined TELLINA in Falmouth by the evening of 10th October as previously arranged. This was the first cruise on which TELLINA had carried a digital data logger and a fault on this equipment, which was apparent immediately on installation aboard the ship, necessitated modification of the programme during the early days of the cruise. Five days later the fault was diagnosed as transistor failure and repaired by Mr. P. Griffiths from the laboratory who interrupted his leave in Cornwall in order to work on the ship on Sunday, 15th October. Unfortunately the following five days brought weather and sea conditions which made any long term work in the outer estuary impossible. The automatic logging system was however particularly helpful during a short lull in the stormy weather from 20th to 24th October since it allowed intensive working during this period. A 25 hour station was worked on 20th-21st October at a position near the centre-mouth of the estuary outside a line joining Pendennis Point to St. Anthony Head. Most of the remaining time was spent at two stations, to east and west of the centre station. A combination of weather conditions and the fact that direction indications on two of the D.R.C.M.'s were giving trouble prevented the working of full 25 hour periods at these two positions.

In addition to the above, salinity grids were worked in the outer estuary over periods of about 6 hours on each of three occasions. A total of 125 Woodhead seabed drifters were released in the estuary. For such inshore releases the rate of return of these drifters has been very slow, less than 10 per cent having been reported so far in the first four weeks after release. Samples of bottom material were collected from within the estuary and a hydrographic station was worked over one tidal cycle at the confluence of the Truro River and Ruan Creek.

TELLINA sailed from Falmouth at 17.30 on 24th October, the scientific staff returning over land. Further bad weather interrupted TELLINA's return voyage and the crew returned to Lowestoft by train from Portsmouth on 2nd November.

J. W. Talbot  
14.11.67

Initialled: AJL

Seen in draft: WB

Distribution:

Dr. Cole  
Mr. Lee  
Captain Aldiss  
Dr. Cushing  
Mr. Burd  
Mr. Garrod  
Mr. Hill  
Mr. Bolster  
Mr. Cattley  
Mr. Corlett  
Dr. Harden Jones  
Mr. Margetts  
Mr. Trout  
Mr. Iles  
Mr. Holden  
Dr. Jamieson  
Dr. Purdom  
Mr. Bridger  
Mr. Mitson  
Mr. Tugate  
Mr. Williams  
Mr. Wood  
Mr. Adams  
Mr. Mills  
Mr. Kay  
General Lab.  
Lab. Registry  
Library (2)  
Mr. Whiting  
Mr. Simpson  
Dr. Reynolds  
Chief Inspector  
All D.I.'s.  
Fisheries Registry  
Skipper Burroughs  
The British Trawlers' Federation Ltd.  
Mr. Buchanan Wollaston  
Mr. Baird, D.A.F.S.  
Mr. Glover  
Hydrographic Department  
Dr. Lucas  
Director, N.I.O.  
Dr. Peachey  
Mr. Shelbourne  
White Fish Authority  
Mr. Talbot  
Mr. Wooltarton