

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

1978 RESEARCH VESSEL PROGRAMME

REPORT: RV CORELLA: CRUISE 7

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

STAFF: A. R. Folkard  
D. S. Tungate  
R. J. Carter  
D. Taylor (Burnham-on-Crouch)

DURATION: Left Lowestoft 1000 h 8 May  
Arrived Lowestoft 0500 h 17 May  
All times are Greenwich Mean Time

LOCALITY: Tyne-Tees and Lincolnshire coast

AIMS:

1. To carry out the second of the water quality surveys in the Tyne area.
2. To carry out the second of the water quality surveys in the Tees area.
3. To collect live brill for Mr Thacker.
4. To collect fish food for Dr Htun Han

NARRATIVE:

CORELLA sailed at 1000 h 8 May and steamed to the Tyne area. An anchor station was worked in the Tyne anchorage over a tidal cycle on 9 May when DRCM observations were made hourly and continuous measurements of salinity, temperature, nutrients and particles were made in the surface water. A similar station was worked on 10 May to the east of the Tyne anchorage. A surface water quality survey covering the area from Blyth to Seaham and extending 10 miles to seaward was carried out on 11 May and in the evening a trawl haul was made and small gadoids frozen for fish food. The Tees area was surveyed on 12 May and CORELLA entered Sunderland at 1800 h to take on water and effect repairs to a circulating pump. After sailing from Sunderland at 0900 h 13 May CORELLA anchored east of Souter Point and 3 miles south of the Tyne entrance where a further tidal cycle station was worked. During the morning of 14 May it was planned to work a section from the Tyne entrance and across the dumping ground to about 12 miles offshore. The section had to be abandoned after 2 stations had been worked due to the failure of the recording block on the hydrographic frame. The afternoon and evening were spent fishing and further bags of small gadoids were frozen. On the morning of 15 May the depth pumping hose was fixed to a TTN body and 3 stations were worked across the proposed dumping ground area. In the afternoon several transects were made between the Tyne and Tees Bay with the TTN body recording temperature and depth to observe the thermal structure of the area. Some plankton hauls were made to the east of Tees Bay and live plankton was collected for Dr Thompson. CORELLA steamed overnight to the grounds off Mablethorpe and on 16 May several hauls were made and live brill collected for Mr Thacker. CORELLA docked at Lowestoft 0500 h 17 May.

RESULTS:

The data records have yet to be examined but preliminary results indicate that the tentative view of the circulation in the Tyne and Tees areas obtained on CORELLA 4/1978 hold good for this cruise.

A. R. Folkard

31 May 1978

SEEN IN DRAFT: J. E. Balfour, V. Holmes

INITIALED: AJL

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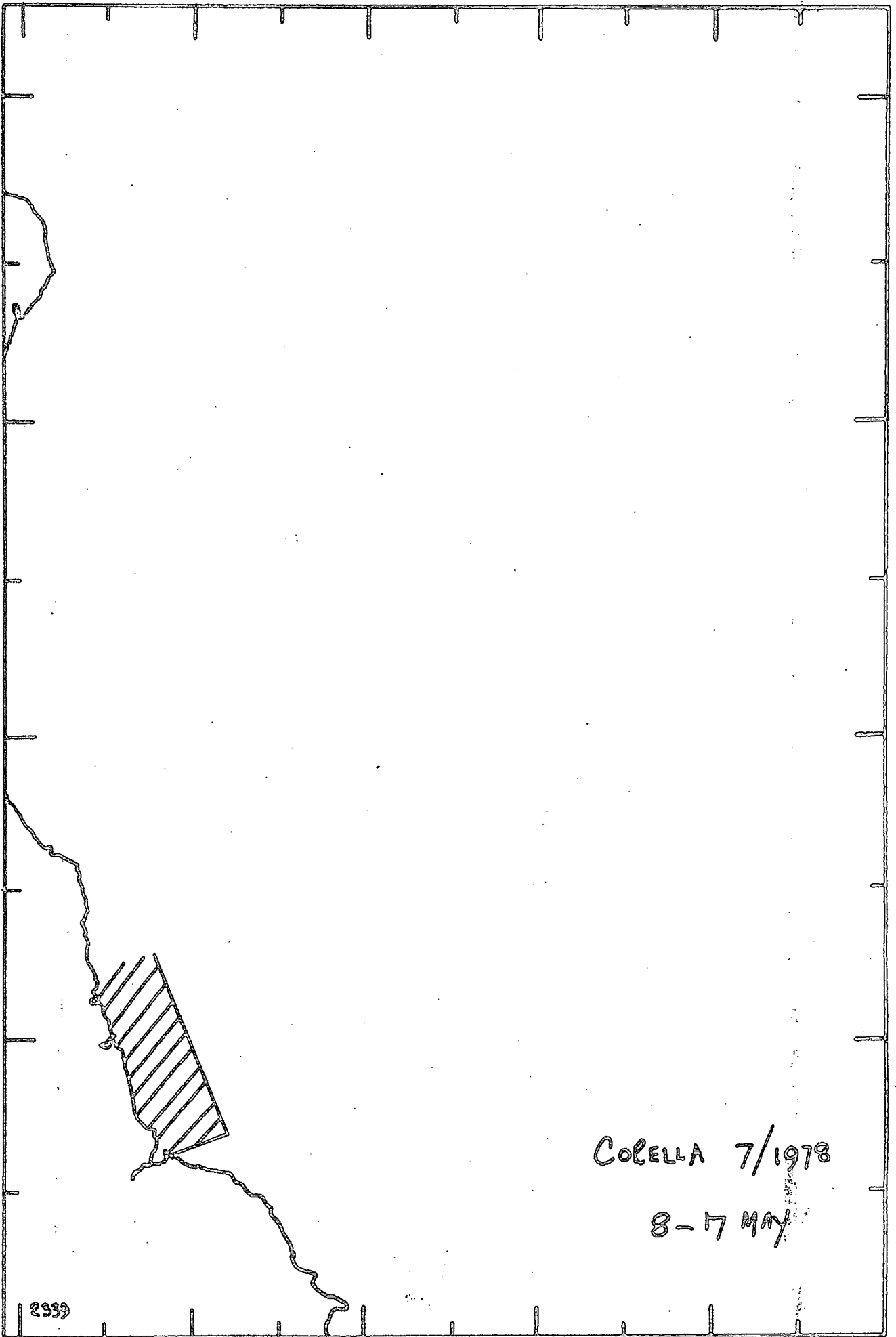
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CORELLA 7/1978

8-17 MAY

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