

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

MARSAE.

1973 RESEARCH VESSEL PROGRAMME

REPORT: RV CORELLA: CRUISE 13

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

STAFF

G C Bolster
P D Wallace
T J Fulme
A M Watson
J Bronze

DURATION

Left Lowestoft 1345 h, 4 September

Arrived Lowestoft 1400 h, 19 September

LOCALITY

Northern North Sea

AIMS

1. To carry out a tin tow-net survey in the area bounded by Lat. 58° and 61° N and Long. 0° and 8° W in connection with ICES herring larvae Survey (2.1.5.).
2. Idem off the North-east coast of England between Lat. $53^{\circ}35'$ N, Long. $01^{\circ}10'E$ and Lat. $55^{\circ}55'$ N, Long. $01^{\circ}50'W$. (Whitby area Survey).

NARRATIVE

Good weather made it possible to work under ideal conditions for most of the duration of this cruise. Work at sea was interrupted on one occasion only and then for a period of less than twenty four hours.

CORELLA left Lowestoft and proceeded northwards to an area of deep water off Berwick where free flow tests were made with the tin tow net on 5 September. Due to a fault having developed in the Gyro-repeater system the ship put into Aberdeen where repairs were carried out between 0820 and 1800 h, 6 September.

The survey commenced at 0900 h, 7 September and the 16 stations to the east of the Shetland Isles completed by 0830 h, 8 September, when due to SW winds it became necessary to seek shelter on the NW side until 0500 h, 9 September. Work proceeded until 14 September, when, having completed station 108 we put into Stornoway at 1000 h. The ship left Stornoway at 0930 h, 15 September and the survey completed (Station number 137) at 2130 h, 16 September.

Passage to the Whitby area via the Pentland Firth was delayed slightly by fog in the Moray Firth on 17 September. The Whitby area survey was started at 0400 h, 18 September and continued until bad weather and an adverse forecast made it unwise to proceed to the last station (No. 22) at 0633 h, 19 September. The SE gale which was forecast did not materialise and after advantage was taken of the coastline, the winds having gone NW, CORELLA arrived in Lowestoft at 1400 h on that day.

RESULTS

Aim 1. Completed Stations 1-137.

Aim 2. Completed Stations 1-21 (Whitby area).

Additional:

1. 100 Woodhead Seabed drifters were released at each of five stations (Nos. 43, 59, 66, 81, 112).
2. 50 litres of surface seawater was taken at 50 stations as requested by Mr Jeffries, Hamilton Dock.
3. 70 samples were taken with the Hardy Plankton Indicator between 1800 and 0600 h during Aim 1 for Mr Forsyth of the Oceanographical Laboratory, Edinburgh.
4. 7 Bottom temperature and Salinity observations were made in the area relating to Aim 1.
5. A sample of Phytoplankton was collected for Dr J Dodge (University of London).
6. A sample of live zooplankton was taken for Mrs Lincoln.

George Bolster
28 September 1973

SEEN IN DRAFT: JF

CNS

INITIALLED: AJL

DISTRIBUTION:

Basic List

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