

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

He Balle.
Mrs. Corvigen

1972 RESEARCH VESSEL PROGRAMME

REPORT: RV CORELLA: CRUISE 13

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

STAFF

J W Talbot
A R Folkard
J Woollorton
Mrs M Boon
Miss M Wiser (Liege University)

DURATION

Left Lowestoft 1700 h 18 September

Arrived Lowestoft 0940 h 23 September

All times are Greenwich Mean Time

LOCALITY

Thames Estuary

AIMS

1. To survey the distribution of radioactivity on the sea bed as a continuation of the work begun on CORELLA 11.
2. To collect grab samples if probe survey results indicate the necessity.
3. To collect and measure samples for U/V absorption.
4. To make a number of releases of sea bed drifters.

NARRATIVE

CORELLA proceeded to the Barrow Deep area of the Thames Estuary and commenced survey work on the morning of 19 September. The survey was based mainly on use of the gamma probe which was dragged over the sea bed. These results were supplemented by a number of grab samples, many of which were taken at the same positions as similar samples of CORELLA Cruise 11. This work continued on 20, 21 and 22 September and covered the Barrow Deep Channel from Barrow No. 5 Buoy to the Oaze Deep as well as the West Swin and Middle Deep. The work was carried out in calm weather but fog prevented work on the morning of 21 September. On each day except 21 September NUCELLA assisted by surveying the shallow area around the Barrow sandbank.

During the course of the survey three releases of sea bed drifters were made and a few samples were collected and analysed for U/V absorption and ammonia.

J Woollorton left the ship on 22 September at 1345 h and was taken off by NUCELLA.

On completion of the survey CORELLA proceeded to the Sizewell area preparatory to lifting two current meter rigs which it had not been possible to recover during CLIONE Cruise 11. Before this work could be carried out a sudden illness of the Chief Engineer enforced return to Lowestoft.

RESULTS

The distribution of radioactive silver on the bed of the Barrow Deep and adjacent areas appears to be generally similar to that measured in July although the peak levels of activity are now lower. The centres of channels usually showed low levels of activity.

J W Talbot
5 October 1972

SEEN IN DRAFT: W Craig (Master)

C Snowling (Fishing Skipper)

INITIALLED: AJL; AP

DISTRIBUTION

Basic List

J W Talbot
A R Folkard
J Woollorton
Mrs M Boon
Miss M Wiser (Liege University)