

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

1979 RESEARCH VESSEL PROGRAMME

REPORT: RV CORELLA: CRUISE 3

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

STAFF:

A R Folkard
C W Baker
R J Chapman
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DURATION:

Left Lowestoft 1000 h, 27 February

Arrived Lowestoft 0052 h, 6 March

LOCALITY:

Southern North Sea

AIMS:

1. To collect samples of sea water for analysis of salinity and dissolved inorganic phosphate in the Southern North Sea.
2. To test and prove the continuously running mercury analyser.

NARRATIVE:

CORELLA sailed from Lowestoft at 1000 h, 27 February and proceeded to Sole Bay where she anchored until 1850 h when course was set for the Swin Channel and the ship anchored at 2235 h. Over the next 5 days 13 hour anchor stations were occupied in the Swin Channel, Southend anchorage, Oaze Deep, Margate Roads and Deal Roads. Samples were taken for salinity, inorganic phosphate and nitrate and the mercury continuous analyser was run while the ship was on station. At 0600 h, 5 March CORELLA left Deal Roads and steamed for Lowestoft along a track, South Goodwin-West Hinder-North Hinder-Outer Gabbard during which time samples were taken at 5 mile intervals and the mercury analyser was running. The ship arrived at Lowestoft at 1930 h and entered harbour at 0052 h, 6 March.

RESULTS:

Phosphate levels at the locations sampled would seem to be higher than in previous years but a fair comparison cannot be made until the salinity samples have been analysed. The continuous mercury analyser was tested extensively and its performance seemed very satisfactory. A plankton sample for Dr Thompson was collected between the West Hinder and North Hinder lightvessels.

SEEN IN DRAFT: GS; RCN
INITIALED: AJL
DISTRIBUTION: Basic List
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8 March 1979