

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

1971 RESEARCH VESSEL PROGRAMME

REPORT: RV CORELLA: CRUISE 2

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

STAFF

D S Tungate
B H Holford
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L Emerson
M Smith

DURATION

Left Lowestoft 1530 hours 20 January

Arrived Lowestoft 1100 hours 30 January

All times are British Standard Time

LOCALITY

East English Channel; Southern North Sea

AIMS

1. To continue the routine surveys of fish eggs and larvae in the Eastern English Channel and the Southern North Sea.
2. To monitor turbidity, chlorophyll A and temperature in the surface waters.
3. To undertake comparable plankton sampler hauls with the French research vessel PELAGIA in the English Channel.

NARRATIVE

CORELLA sailed from Lowestoft at 1530 hours 20 January and set course for Boulogne arriving there at 0400 hours 21 January. After discussions with M. Maucorps of the Institut Scientifique et Technique des Peches, CORELLA sailed again at 1800 hours and commenced sampling the stations along the French side of the Channel grid. With force 10 winds from the southwest forecast on 23 January, CORELLA took refuge in the Solent and remained there until the morning of 25 January when it was decided to abandon the Channel grid and steam to Dover.

Soon after leaving the shelter of the Solent the wind again increased to force 10 and CORELLA was again forced to seek shelter in Margate Roads at 0430 hours, 26 January. With the wind moderating on 27 January, sampling of the North Sea grid commenced and continued until 0600 hours on the morning of 30 January when CORELLA steamed for Lowestoft docking at 1100 hours.

RESULTS

Aim 1

Owing to the prolonged spell of severe Southwest winds only 18 stations on the French side of the Channel grid were sampled.

A modified grid consisting of 60 stations was worked in the North Sea giving adequate coverage of the plaice spawning areas.

Aim 2

The Turner fluorometer and the Foxmeter equipment worked very well and turbidity, chlorophyll A and surface temperature were monitored continuously along the ships track. All these instruments are now working from a A/C stabilized voltage supply.

Aim 3

CORELLA sailed into Boulogne on 21 January and M. Maucorps of the Institut Scientifique et Technique des Peches Maritimes came aboard and examined our sampling gear. We were unable to undertake any comparative plankton work with PELAGIA as she was storm-bound in Cherbourg and as far as we know remained there until after CORELLA had left the Channel area.

From the time CORELLA sailed from Lowestoft on 20 January until 26 January, severe force 9-10 westerly winds were experienced which limited the extent of the Channel and North Sea surveys.

D S Tungate

2 February 1971

SEEN IN DRAFT W.C

INITIALLED AJL

DISTRIBUTION

Basic list

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