

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

1982 RESEARCH VESSEL PROGRAMME

REPORT: RV CORELLA: CRUISE 9

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

STAFF:

J D Riley, NIC
 W G Parnell
 C L Whiting
 T Watson
 B C Mumford

DURATION:

Left Lowestoft 1300 h, 14 June

Arrived Lowestoft 0430 h, 29 June

All times are Greenwich Mean Time

LOCALITY:

Western North Sea

AIMS:

1. To determine the distribution and abundance of 0-group gadoids in the North Sea, west of 0° and south of 59°30'N, being the English contribution to the ICES coordinated programme.
2. To test the 2m² frame trawl for the sampling of 0-group gadoids.
3. Collection of samples of Gasterosteus aculeatus for Dr Miller (University of Bristol) and Cyclopterus lumpus for Dr Greer Walker.

NARRATIVE:

The sampling programme was based on the ICES rectangles and carried out with the International Young Gadoid pelagic trawl. Sampling started on 15 June in Tees Bay (rectangle 38E8). See track plot attached. Sampling continued until the morning of 21 June when CORELLA called at Kirkwall for fuel and water.

Sampling restarted on 22 June and proceeded southwards including some rectangles which had been sampled on the way north. The last programmed rectangle was completed early on 28 June (37E9) but two additional ones were sampled on route for Lowestoft. There were regular exchanges of catch data with RV EXPLORER. CORELLA docked on the first tide on 29 June.

RESULTS:

1. The sampling programme set, was completed. In addition four rectangles west of the Shetland Isles and two off the English east coast were sampled.

In the area sampled by CORELLA catch rates for cod, when compared with the 1973-78 geometric means, were greater, as were those for haddock off the English

NE coast. The highest catches of whiting were made in rectangles 46E5 and 46E6, west of the Orkney Isles. The highest catch of Norway pout (5824 fish/hr) was made in 47E9, apparently on the western edge of the area where they are usually found. Catches of saithe off the English and Scottish coast south of Aberdeen were also above the 1973-8 mean.

2. There was no time to attempt this subsidiary aim.

3. No Gasterosteus were caught but two Cyclopterus were taken in 40E8 and 44E6, and were returned alive to the laboratory.

John D Riley
6 July 1982

SEEN IN DRAFT: GRO
JH

INITIALLED: DJG

DISTRIBUTION:

Basic List +
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North-Eastern Sea Fisheries Committee
Northumberland Sea Fisheries Committee
John Jolly, Agent (Kirkwall)

