

Provisional. Not to be quoted without reference to the writer

R. V. TELLINA

Report for Cruise 2/67

Staff

J. D. Riley	}	Part time
D. Harding		
D. W. R. Rout		
M. E. Hurst		
J. M. G. Gregory		

Duration

3rd-8th February

Aims

1. Repeat standard tows with 4M modified beam trawl on Sizewell Bank for O-group sole.
2. Further trials of the new 3M sledge trawl for O-group flatfish.
3. Otter trawling for larger sole and rays to determine size distribution and reproductive conditions, in the Sizewell Bank area.
4. The collection of small sole (less than 30 mm) alive for laboratory experiments.

Results

1. The ten standard tows, five at the north end and five at the south end of the bank, in series from inshore to 11 fathoms were completed. Sole were more frequently caught at the north end of the bank off Dunwich. They were more frequent in shallow water on the bank in 3 fathoms (approximately 30/hour) and became infrequent in 9 fathoms (3/hour). Off Sizewell occasional sole were caught in 12 fathoms. A tow at right angles to the beach off Southwold lighthouse, from $1\frac{1}{2}$ - $7\frac{1}{2}$ fathoms, caught no sole.
2. The new 3M sledge trawl, with recent modifications to the diving plane, performed well and its efficiency will be evaluated against the standard 4M beam trawl.
3. Three tows of an hour in 6, 9 and 10 fathoms off Dunwich Bank caught no large sole and only five R. clavata, all immature and in the size range 34-14 cm and feeding on hermit crabs and Mactra.

The larger plaice, flounder and sole caught in the 4M net were all feeding heavily on Mactra.

4. The few O-group sole caught were brought back to the laboratory for experimental use.

J. D. Riley

20th March 1967

Initialled: AJL

Seen in draft: WB

Distribution

Dr. Cole
Mr. Lee
Captain Aldiss
Dr. Cushing
Mr. Bolster
Mr. Burd
Mr. Cattley
Mr. Corlett
Mr. Garrod
Dr. Harden Jones
Mr. Iles
Mr. Holden
Dr. Jamieson
Dr. Purdom
Mr. Margetts
Mr. Trout
Mr. Bridger
Mr. Mitson
Mr. Tungate
Mr. Williams
Mr. Wood
Mr. Adams
Mr. Mills
Mr. Kay
Miss Conolly
General Lab.
Lab. Registry
Library (2)
Mr. Whiting
Mr. Simpson
Dr. Reynolds
Chief Inspector
All District Inspectors
Fisheries Registry
Skipper Burroughs
Mr. Buchanan Wollaston
Mr. Baird, D.A.F.S.
Mr. Glover
Hydrographic Department
Dr. Lucas
Director, N.I.O.
Dr. Peachey
Mr. Shelbourne
W.F.A.

Mr. Riley
Mr. Harding
Mr. Rout
Mr. Hurst
Mr. Gregory