

Library

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R.V. TELLINA

Report for Cruise 13/1968

Part A

Staff

Duration

|                 |             |
|-----------------|-------------|
| M. Greer Walker | } part-time |
| G. T. Thacker   |             |
| I. E. Sambrook  |             |
| P. Walker       |             |

15-22 July

Locality

Suffolk coast.

Aims

1. 2-metre beam trawl survey for 0- and 1-group flatfish.
2. 12-inch tin tow net survey for pelagic eggs and larvae.
3. Release of seabed and surface drifters.
4. Collection of adult sole for Dr. Grant, NERC Biochemical Unit, Torry, Aberdeen.
5. Collection of small cod for laboratory use.
6. Otter trawl survey for large flatfish and tagging of adult sole.

Narrative

TELLINA worked on and around Sizewell Bank on a day-to-day basis from Lowestoft; 17 July was lost due to bad weather.

Results

1. The 2-metre beam trawl survey was carried out on the usual transects.

The table below shows the catches (mean of two trawls) of 0-group soles.

| <u>Northend of bank</u> |                   | <u>South end of bank</u> |                   |
|-------------------------|-------------------|--------------------------|-------------------|
| <u>Transect</u>         | <u>Fish/100 m</u> | <u>Transect</u>          | <u>Fish/100 m</u> |
| 1                       | 1.16              | 6                        | 0                 |
| 2                       | 0.21              | 7                        | 2.41              |
| 3                       | 6.35              | 8                        | 1.00              |
| 4                       | 0.59              | 9                        | 17.30             |
| 5                       | Not sampled       | 10                       | 0.10              |

An additional tow on the line of T3 and T8 between the two sets of transects resulted in only 6 soles (0.33 fish/100 m).

0-group dabs were far less common than normal and were only 3 per cent of last year's catch.

Very few 0-group plaice were caught.

2. Plankton from outside, on top of and inside the bank, was collected using the 12-inch tin tow net with 100 sq. cm nose cone. This survey was completed twice.

3. Seabed and surface drifters were released off Corton in positions 52°33'N 01°46'E and 52°33½'N 01°41½'E. Drifters were also released on the usual dropping positions inside, on top of and outside Sizewell Bank.

4. Thirty-eight adult sole for Dr. Grant were returned to the laboratory to await transport to Aberdeen.

5. No small cod were seen during the cruise.

6. Seventy-three adult sole were tagged and released on the Sizewell Bank.

7. Various elasmobranchs were returned alive to the laboratory for Dr. H. Lissmann, Cambridge University.

8. In addition, fish under 10 cm were returned for Mr. D. Clayden and 10 gallons of sea water were brought in for Mr. I. Lloyd.

M. Greer Walker

25 July 1968

Seen in draft: WB

Initialled: AJL

Distribution

Basic list, plus the following:

|                  |   |                            |
|------------------|---|----------------------------|
| Dr. Greer Walker | ) |                            |
| Mr. Thacker      | ) | Scientific staff on cruise |
| Mr. Sambrook     | ) |                            |
| Mr. P. Walker    | ) |                            |

Mr. Riley