

Library

R.V. TELLINA

Cruise Report 8a/69

Staff:

S J Lockwood  
P Walker  
D R P Leonard ) Part  
D Thompson ) time

Duration:

25 September-9 October

Aims:

1. To recapture 0-group plaice tagged on TELLINA Cruise 6/69.
2. To tag 0-group plaice with small Petersen discs.
3. To collect 0-group plaice over a 24-hour period, twice on neaps and twice on spring tides.
4. To carry out an otter trawl survey of Filey Bay.
5. To collect 0-group plaice, plankton and benthos for bomb calorimetry.
6. To collect 0-group gadoids for Mr Scholes and return live to Lowestoft.
7. To angle for large cod for Mr Scholes.
8. To collect live benthos and return live to Lowestoft for Mr. Birkett.

NARRATIVE

TELLINA sailed from Lowestoft at 0920 hours, 25 September and arrived at Scarborough 0215 hours, 26 September. Fishing commenced in Filey Bay at 1645 the same day. Fishing over a 24 hour period was carried out on 26/27 September, 30 September/1 October, 3/4 October and 7/8 October. Fishing for recaptures of tagged 0-group plaice was carried out on 5 and 6 October. The otter trawl survey was also carried out on these days. Push netting and benthos collecting were carried out on 28 September and 1 October.

Weather conditions throughout the cruise were rarely good and were bad enough to prevent TELLINA working on 28 & 29 September & 2 October.

The gear from this cruise was unloaded on the morning of 8 October and the gear for cruise 8b loaded. TELLINA departed for Hartlepool at 1230 the same day.

RESULTS

1. Over 3,700 0-group plaice were checked for tags on the boat, but none was found. Another 5,000 (approx.) fish have still to be checked.
2. No 0-group plaice were tagged but 71 plaice of 12-30 cm were tagged.

3. 32 samples of 100 0-group plaice were collected over the four 24 hour periods for analysis of feeding and digestion rates.
4. Four tows with an 8 fathom otter trawl were made. It was found that adult plaice, like the 0-groups, are concentrated at the north end of Filey Bay. The only fish caught which had not also been taken in the beam trawl were gurnards and lemon sole.
5. Samples of 0-group plaice and benthos for bomb calorimetry were collected.
6. 5 0-group cod and 42 coal fish were caught and returned live to Lowestoft during the first week. At the end of the cruise 70 0-group cod, 5 0-group whiting, one 1-group cod, one 2-group whiting and one 1-group turbot were returned live to Lowestoft.
7. No angling for cod was carried out as local fishing parties were not catching any.
8. Live benthos was collected and returned to Lowestoft. It comprised mainly Tellina tenuis, Nephtys sp. and some Donax vittatus.

In addition to the aims of the cruise six butterflyfish Centronotus gunnellus were collected for Dr Purdom.

Stephen J Lockwood  
9.10.69

Initialed: WB, AJL

Distribution:

Basic list, plus the following:-

S J Lockwood

P Walker

D R P Leonard

D Thompson

Mr A Jones

Mr Riley

Mr Macer