

R1/6

Not to be cited without prior reference to the Marine Laboratory Aberdeen

FRV *Clupea*

Cruise 1701C

REPORT

4-17 December 2001

Ports

Loading: 29 November, Fraserburgh

Unloading: 17 December, Fraserburgh

Personnel

S Davis (In charge)

J Donald

Fishing Gear: Scallop dredges

Cost to Project: 13 days, MF01t

Objectives

1. To carry out a survey of scallop stocks around Shetland.
2. To collect information on by-catches of other commercial fish and shellfish species.
3. To collect biological data on component tissue weights of scallops.
4. To collect PSP samples from each samples square.

Narrative

The scientific staff joined FRV *Clupea* at 1000 hours on 4 December and sailed from Fraserburgh at 1400 hours. Sampling began NE of Sumburgh at 0900 hours on 5 December and continued around Shetland until the survey was completed at 1900 hours on 14 December. The vessel set sail for Fraserburgh at 0600 hours on 15 December, arriving in port at 2300 hours. Scientific staff returned to the laboratory with all equipment and samples.

Results

During the trip 91 dredge hauls were made and a total of 5,402 scallops were caught. The position of each haul is shown on the map in Figure 1. Catch rates varied from a minimum of 0/hr to a maximum of 399/hr. The aggregate catch rates for each area, expressed in numbers per hour per metre width age, are shown in Figure 2. The individual graph headings in Figure 2 show the overall catch rate for each area. The length frequencies in numbers caught per half centimetre length category are shown in Figure 3. The numbers of each by-catch species caught is given in Table 1. Meat weights were taken from seven different tows and are shown on Figure 1.

S Davis
21 January 2002

Seen in draft: A H Nicoll, OIC

Circulation List: Cruise Programmes and Reports

CLUPEA VESSEL

Programmes - Mr J A Morrison then Dr J M Davies for approval. Reports - Mr J A Morrison for approval.
Circulation list on Director and file copies only.

Issue two copies of Record of Haul and Station Numbers pro-forma with Scientist-in-Charge's copy of *Scotia* and *Clupea* programmes. Two xerox copies of track chart for reports to be sent to Dr L Rickards. Original chart to be returned to Scientist-in-Charge of cruise.

PROGRAMMES ONLY

Lab staff

Mr J T M Hunter
Mr T Reid
Mr P J Copland
Mr J Dunn
Mr A Beaton
Mr G Howard
Mr A Cranna
Mr S Halewood
Mr T Howell

Non-lab staff

Island Cmdr Faroes (Faroes only)
Flag Officer, Denmark (Danish part of N Sea only)
Coastguard
Dr J Baxter

PROGRAMMES AND REPORTS

Mr R S T Ferro) Fish Management	Library, Danmarks Fisk (reports only)
Mr C Hall) <u>team progs only</u>	Mr J Mortensen (Faroes only)
Dr A D Hawkins		Mr A Souplet (Fishing Cruises only)
Dr J M Davies		
Mr J A Morrison		W J McCurdy, Belfast
Dr R M Cook		Technical Director, SFIA (J E Tumilty)
Dr C Moffat		Dr L Rickards
Ms S Hughes (+ additional copy of track chart of reports only)		Dr I Joint
Mr A Macdonald		Director - Havfor Inst, Norway
Mr R D Galbraith		Dr A Post
Mr A J Christie		Monsieur le Chef du dépt, Nantes
Capt R Denholm		Mr J C Brabant
Library (2)		Mrs van Duyvenvoorde
CO/OIC of Vessel (<i>Clupea</i>) (to be faxed)		Dr J G Gordon
File		Dr J Molloy
		Dr P Hovart
		Mr B Stewart
		Capt J Cannan (<i>Scotia</i> and <i>Clupea</i> only)
		Controller Coastal Ops - Mr B Knight
		Dr D J Garrod
		Mr H C Boyar
		Dr R J A Atkinson
		Mr H i Jákupsstovu
		Mr C Bullimore (To be faxed: 01923 846392)

Laboratory Personnel on Vessel

S Davis
J Donald

Fishery Officers at

Fraserburgh
Lerwick