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

FRV *Clupea*

Cruise 1105C

PROGRAMME

3–15 August 2005

Ports

Loading: Fraserburgh

Unloading: Fraserburgh

Personnel

C G Davis (SIC)

M Harding

O Goudie

Fishing Gear

Sunbeam Sandeel Trawl BT169

Objectives

- To determine the distribution and relative abundance of sandeels (*Ammodytes marinus*) on inshore fishing grounds around the Shetland Isles and Fair Isle.
- To determine the species composition within the sandeel stock around the Shetland Isles and Fair Isle.
- To obtain CTD information at all trawl haul sites visited during survey

Procedure

Trawl hauls of up to 30 minutes duration will be made on grounds where sandeels have been caught commercially in recent years. Each ground will be surveyed on three occasions, at different times of the day and, where practicable, on different dates. For each trawl haul, otoliths will be collected to determine age composition in *Ammodytes marinus*. Length frequency data will be collected for all other eel species.

Depending on time available, it is hoped to collect CTD data on at least one occasion during the three trawl hauls undertaken at each survey site.

Normal contact will be maintained with the Laboratory.

J A Morrison

2 March 2005

Circulation List: Cruise Programmes and Reports

CLUPEA VESSEL

Programmes - Mr J A Morrison for approval. Reports - Mr J A Morrison for approval.

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.

PROGRAMMES ONLY

Lab staff

Mr J T M Hunter
Mr T Reid
Mr P J Copland
Mr J Dunn
Mr A Beaton
J Petrie
Security

Non-lab staff

~~Island Cmdr Faroes (Faroes only)~~
~~Flag Officer, Denmark (Danish part of N Sea only)~~
~~Coastguard~~
G Lees

PROGRAMMES AND REPORTS

Lab staff

Mr J A Morrison
Capt R Denholm
Mr R S T Ferro) Fish Man team
Mr C Hall) progs only
Dr R M Stagg
Dr C Moffat
Mr M R Heath
Mr A Macdonald
D Lichtman (+ additional copy of track chart
of reports only)
Mrs E Morrison
CO/OIC of Vessel (*Scotia*) (to be faxed)
Library (2)
File

Non-lab staff

~~Library, Danmarks Fisk (reports only)~~
~~Mr J Mortensen (Faroes only)~~
~~Mr A Souplet (Fishing Cruises only)~~
~~Dr S Ehrich (Entering German Waters) (reports only)~~
W J McCurdy, Belfast
Technical Director, SFIA (J E Tumilty)
Dr L Rickards
Dr I Joint
Director – Havfor Inst, Norway
Dr S Ehrich
Monsieur le Chef du dépt, Nantes
Mr J C Brabant
Mrs van Duyvenvoorde
Dr J G Gordon
G Kane
R de Clerck
Mr B Stewart
Capt J Cannan (*Scotia* and *Clupea* only)
Controller Coastal Ops - A Stewart
Dr P Grieg-Smith
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

C Davis
M Harding
O Goudie

Fishery Officers at