

P17/15

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

FRV *Scotia*

Cruise 0305S

PROGRAMME

15 February – 8 March 2005

Half Landing: (provisional) Lerwick, 24 February 2005

***In setting the cruise programme and specific objectives, etc the Scientist-in-Charge needs to be aware of the restrictions on working hours and the need to build in adequate rest days and rest breaks as set out in FRS' Working Time Policy (which is published on the Intranet). In addition, the Scientist-in-Charge must formally review the risk assessments for the cruise with staff on-board before work is commenced.**

In the interest of efficient data management it is now mandatory to return the Cruise Report, to John Morrison and the Cruise Summary Report (old ROSCOP form) to Dougal Lichtman, within four weeks of a cruise ending. In the case of the Cruise Summary Report a nil return is required, if appropriate.

Personnel

*K A Coull	(In Charge)
A P Robb	
M Mathewson	(Part II)
F Burns	
R Watret	
J Mair	
M Gault	(Part I)
J Mair	
A Tait	

Fishing Gear

GOV Trawl (BT 137) with ground gear A & B
Full size Methot Net

Objective

1. To take part in the International Bottom Trawl Survey in the North Sea.

Trawling

Hauls of 30 minutes duration will be made using the GOV trawl. Wherever possible, fishing will be carried out during daylight hours as defined below:

Date	Daylight period – GMT at Greenwich	
	South of 57°30'N	North of 57°30'N
11-20 February	0708-1720	0723-1705
21–28 February	0647-1741	0655-1730
1–10 March	0627-1757	0632-1750

For each degree of longitude west, four minutes will be added to the time; for each degree of longitude east, four minutes will be subtracted.

The survey area is outlined in the attached chart but the exact fishing position will be decided in collaboration with the fishing master. The Scanmar system will be used throughout the cruise to monitor headline height, wing spread, door spread and distance covered during each haul.

Fish will be worked up according to standing instructions with additional biological data collected for species as determined in EU Data Regulations 1639-2001.

Methot Net Sampling

Pre-metamorphosis herring larvae will be sampled during the hours of darkness with the Methot midwater trawl. Two double oblique tows will be made in every square with the assigned survey area. The vertical profile of the tow will be monitored using the Scanmar system.

Hydrography

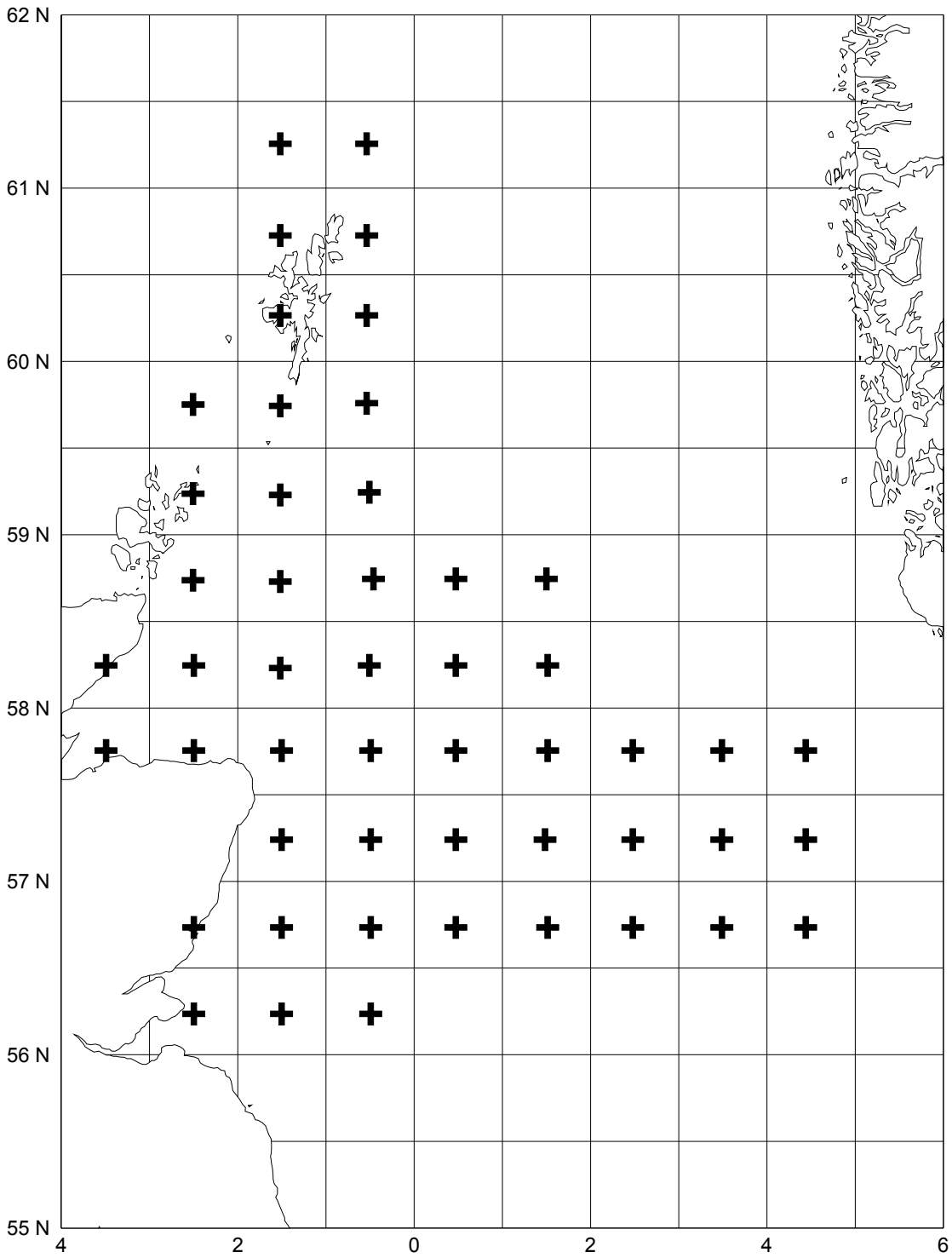
Surface and bottom temperatures, salinities, nitrates, silicates and phosphates will be taken at all trawl stations.

General

Normal contacts will be maintained with the Laboratory. Information gathered by the participating vessels will be exchanged by fax.

J A Morrison
29 December 2004

Scotia IBTS - Quarter 1 Survey - Stations



Circulation List: Cruise Programmes and Reports

SCOTIA 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
Mr G Howard
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

*K A Coull
A P Robb
M Mathewson
F Burns
R Watret
J Mair
M Gault
J Mair
A Tait

Fishery Officers at

Lerwick