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

FRV Scotia

Cruise 0209S

PROGRAMME

26 January – 17 February 2009

Ports

Loading : Aberdeen, 21 January 2009
Half landing : Lerwick, 6 February 2009 (provisional)
Unloading : Aberdeen, 17 February 2009

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 (Lab Notice 34/03). 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 Iain Gibb 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)
M Mathewson	
K Summerbell	
D Bova	
R Watret	
R Catarino	
L Ritchie	
C Cronin	(Visitor – Cork Ecology)
A Batty	(Visitor – Cork Ecology)
L McPherson	(Part 1: Visitor – University of Aberdeen)
A Baudron	(Part 2: Visitor – University of Aberdeen)

Project: RV0901

Fishing Gear

GOV Trawl (BT 137) with ground gear A & B
Methot Net (Round Frame with IK depressor)

Objective

- To participate in the International Bottom Trawling Survey of 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
26 -31 January	0747 - 1635	0815 - 1545
1 - 10 February	0729 - 1658	0749 - 1636
11 - 20 February	0708 - 1720	0723 -1705

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. A bottom contact sensor (BCS) will be attached to the groundgear and the data collected will be downloaded after each haul.

Fish will be worked up according to standing instructions with additional biological data collected for species as determined in EU Data Regulation 1639/2001 and 1581/2004.

Methot Net Sampling

Pre-metamorphosis herring larvae will be sampled during the hours of darkness with the Methot mid-water trawl (Round frame). Two double oblique tows will be made in every square within 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. The ships thermosalinograph will be run continuously throughout the cruise.

General

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

Submitted
K Coull
17 December 2008

Approved
I Gibb
19 December 2008

Scotia IBTS - Quarter 1 Survey - Stations