

P17/15

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

FRV *Scotia*

Cruise 1408S

PROGRAMME

7 – 28 November 2008

Loading: Aberdeen 5 November
Departure: Aberdeen 7 November
Half Landing: Belfast/Killybegs 17 November (flexible)
Unloading: Aberdeen 28 November

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

CG Davis	SIC
M Mathewson	
C Main	
I Penny	
M Campbell	
R Watret	
C Aires	(Student)
M Johnson	(MI Ireland, Observer)
N Collie	(Part 1)
N Morrison	(Part 1)
S O'Neill	(Part 2)

Out-turn days: 22 days, **RV0811**

Fishing Gear

GOV Trawl (BT137) with belly lines, ground gear C
GOV Trawl (BT137) with belly lines, ground gear D

Objectives

1. To participate in the ICES co-ordinated western division demersal trawling survey.
2. To obtain temperature and salinity data profiles at each trawling position.

3. If time permits, to trial ground gear D on trawl positions where damage has occurred with ground gear C.
4. To undertake hydrodynamic performance trials of the new underwater video multiplexer.

Procedures

General

Loading of trawl and fishing gear will take place at the end of the previous cruise. Loading of all other scientific equipment will take place on 5 November, with all equipment being set up and tested on that day. *Scotia* will then sail on the 7 November and commence operations the following morning on the stations to the west of the Orkney Islands. Weather conditions at the time will determine the exact start area.

Trawling

One trawl haul of thirty minutes duration will be made at each of the positions shown on the attached chart (Figure 1). For each haul, the Scanmar monitoring system and NOAA bottom contact sensor will be used to observe and record the performance and geometry of the trawl and trawl doors.

Fish Sampling

All fish will be treated according to current standard research vessel procedures and additional biological data will be collected as determined by EU data regulation 1639/2001 and 1581/2004.

Hydrography

CTD casts will be taken at each trawl station. The thermosalinograph will be run continuously to obtain sea surface temperature and salinity throughout the survey area.

Camera Trials

Trials of the new underwater video multiplexer will be undertaken by towing the system on the starboard net-sonde cable, in water depths up to 200m. The platform attitude and stability will be monitored at speeds of 2-3 knots, initially in mid-water and then closer to the sea bed. The main aims are to achieve controlled and stable heights of between 2m and 5m above the sea bed and to assess the quality of video images from the multiplexer.

Normal contacts will be maintained with FRS.

I Gibb
26 September 2008

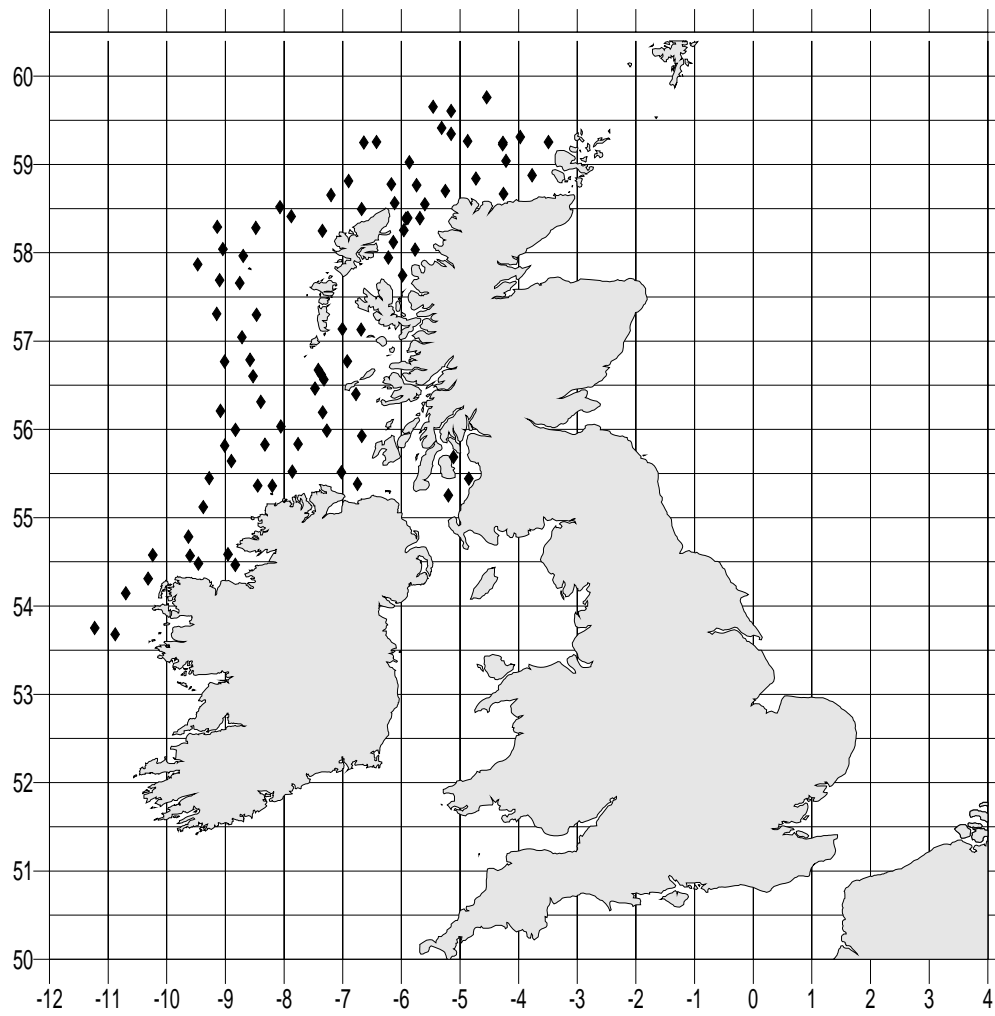


Figure 1: Trawl locations for Cruise 1408S