

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

FRV Scotia

Survey 1511S

PROGRAMME

19 November - 8 December 2011

Loading: Aberdeen, 16 November
Departure: Aberdeen, 19 November
Half Landing: Killybegs/ Ullapool/ Greenock (flexible)
Unloading: Aberdeen, 8 December

In setting the survey 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 Marine Scotland's Working Time Policy (Lab Notice 34/03). In addition, the Scientist-in-Charge must formally review the risk assessments for the survey with staff on-board before work is commenced.

In the interest of efficient data management it is now mandatory to return the survey report, to I Gibb and the Survey Summary Report (old ROSCOP form) to M Geldart, within four weeks of a survey ending. In the case of the Survey Summary Report a nil return is required, if appropriate.

Personnel

C G Davis SIC
M Robertson
J Hunter
K Summerbell
A Edridge
L Morley
R Catarino (Part 1)
D Bova (Part 1)
O Goudie (Part 2)
L Ritchie (Part 2)
D Tobin (JNCC)

Estimated Days per Project: 20 days RV1113 (10765)

Gear

GOV Trawl (BT137) with belly lines, ground gear D.
TV sledge
TV drop frame
Day Grab and frame

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. To survey for the Scottish Marine Protected Areas (MPA) project.

Procedures

General

Loading of trawl gear, TV and grabbing gear will take place at the end of the previous survey. Loading of all other scientific equipment will take place on 17 November with all equipment being set up and tested on that day. *Scotia* will sail on 19 November and after drills will commence operations the following morning on the stations to the west of Orkney. Weather conditions at the time will determine the exact start position. An operational daily survey plan will be formulated by the SIC subsequent to meetings with both the Fishing Master and Captain. Similar discussions will take place when organising the MPA TV and benthic work at night and will include the scientist leading the MPA operations.

Trawling

One trawl haul of thirty minutes duration will be made at the positions (approximate) shown on the attached chart. 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.

Hydrographic Sampling

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.

TV Surveying

Video and still photography for the MPA project will take place through the night after completion of trawling operations.

Day Grab Sampling

Day Grab sampling for the MPA project will be undertaken along with the TV survey through the night to collect sediment for particle size analysis (PSA) and for benthic infaunal analysis. All PSA samples will be frozen onboard and benthic infaunal samples will be preserved in 4% buffered formalin.

Normal contacts will be maintained with MSS.

Submitted:
C G Davis
04 October 2011

Approved:
I Gibb
04 November 2011

