

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

FRV Scotia

Cruise 0911S

PROGRAMME

29 July – 19 August 2011

Ports

Loading : Aberdeen, 26 July 2011
Half landing : Stavanger, 8 August 2011 (provisional)
Unloading : Aberdeen, 19 August 2011

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 Marine Scotland's 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 I Gibb and the Cruise Summary Report (old ROSCOP form) to M Geldart, within four weeks of a cruise ending. In the case of the Cruise Summary Report a nil return is required, if appropriate.

Personnel

F Burns (SIC)
L Ritchie
D Bova
M Robertson
J Hunter
M Gault (Part 1)
L Morley (Part 1)
E Barreto (Part 1)
O Goudie (Part 2)
P Copland (Part 2)
L Cunningham (Part 2 - MS Policy Division)
T Fujii (Visitor - Oceanlab)
M Maher (Visitor - JNCC Seabird & Cetacean observer)
R Schofield (Visitor - JNCC Seabird & Cetacean observer)
G Johnson (Visitor – JNCC)

Estimated days by project: 22 days - RV1112 (10764)

Fishing Gear

GOV Trawl (BT 137) with ground gear A & B

Objectives

1. To complete an internationally coordinated demersal trawling survey in the North Sea in ICES area IV..
2. To obtain temperature and salinity data from the surface and seabed at each trawling station.
3. Collect additional biological data in connection with the EU Data Collection Framework (DCF).
4. Opportunistic Benthic sampling in collaboration with JNCC utilising both the drop frame for observational work and the Day Grab for sediment verification.

Procedures

General

Loading of the trawl gear will take place on 26 July with rigging and testing being completed on the same day. Loading of the scientific gear will also take place on the same day. *Scotia* will then sail on the morning of 29 July. The first trawl station is close to Aberdeen therefore once safety drills have been completed *Scotia* will proceed to the first station where a shakedown haul will be completed in advance of the first real haul in order to check the net configuration and Scanmar units. An operational daily survey plan will be formulated by the SIC subsequent to meetings with both the Fishing Master and the Captain. It is the intention that these meetings take place where possible during times that are mutually convenient. Similar discussions will take place when organising the benthic work at night and will include the scientist leading the benthic operations.

Trawling

One demersal haul of 30 minutes duration will be made in each statistical rectangle shown on the attached chart. Trawling will be undertaken during the hours of daylight which will vary depending on the vessels latitude at any given time. The scanmar system will be used to monitor the headline height, wing spread and door spread for each haul. Bottom contact data from each trawl will also be collected using the NOAA bottom contact sensor which will be mounted in the centre of the ground-gear. In addition to the routine sampling, biological data will be collected for target species in line with the EU data regulation. All fish will be processed in accordance with Standing Instructions.

Hydrography

CTD casts will be taken at every trawl station. These provide surface and bottom temperature and salinity information. Reverser bottles affixed to the CTD wire will also be used to collect water samples that will be analysed back at the lab which will provide information on salinity, nitrates, silicates and phosphates at each station. In addition the ships thermosalinograph will

be run continuously throughout the cruise and will provide sea surface temperature and salinity data.

Benthic Work

This work is a collaboration between MSS and JNCC and will be undertaken within UK waters during the hours of darkness once trawling operations have ceased for the day. The work will involve deployment of the drop frame from the aft deck and recording TV and photographic stills footage of the seabed via an umbilical cable. In addition the Day Grab will also be deployed from the hangar deck and this will provide highly resolved information on faunal structure as well as substrate type.

Normal contacts will be maintained with the Laboratory.

Submitted:

F Burns

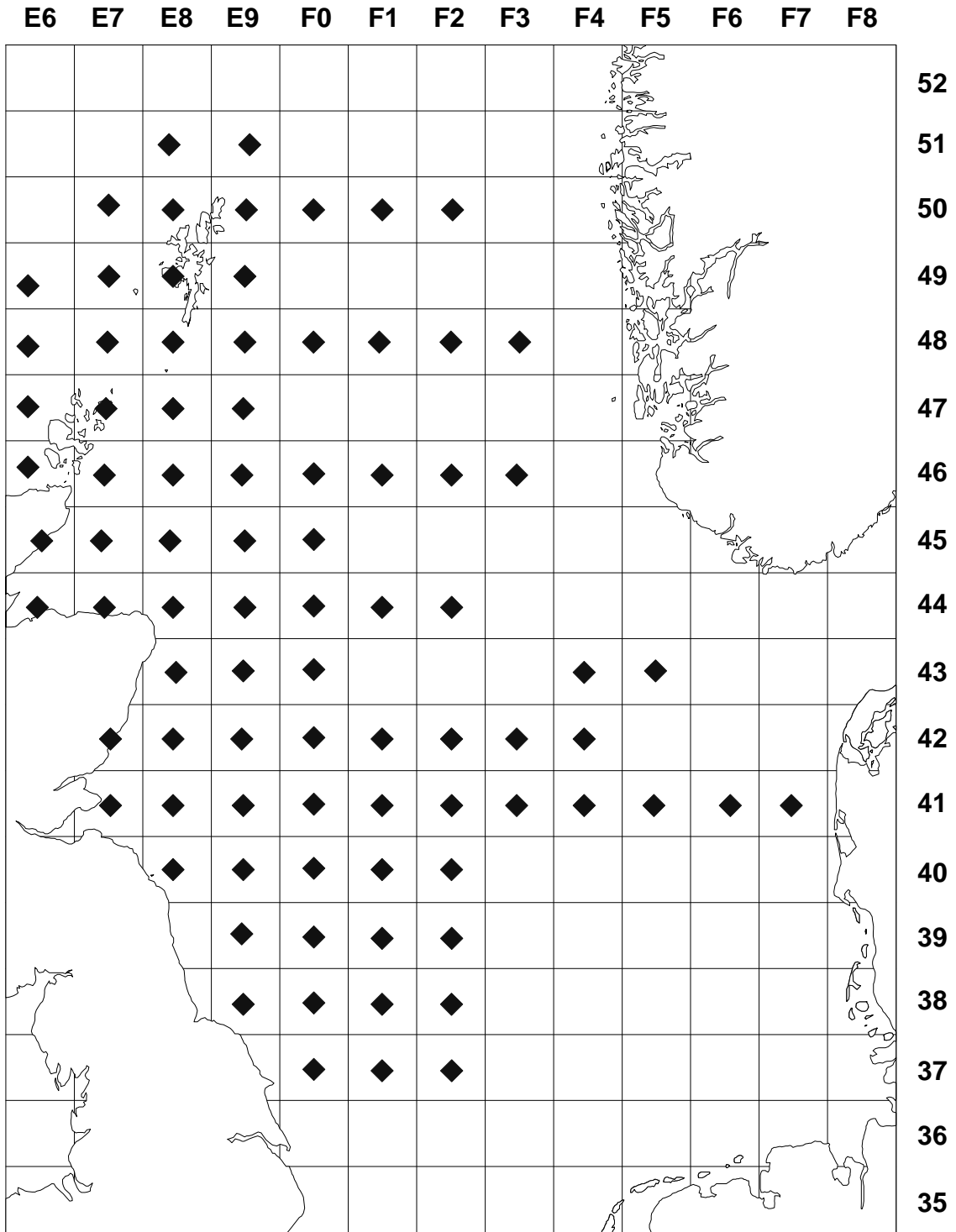
4 July 2011

Approved:

I Gibb

13 July 2011

0911S Quarter 3 Groundfish Survey
29 July – 19 August 2011



◆ Standard Trawl Stations

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

FRV Scotia

Cruise 0911S

29 July – 19 August 2011

PROGRAMME AMENDMENT

T Fujii (Visitor - Oceanlab) will not be joining the vessel for cruise 0911S.

I Gibb

18 July 2011