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

MRV Scotia

Survey 0913S

PROGRAMME

31 July – 21 August 2013

Ports

Loading: Aberdeen, 29 July 2013
Half landing: Aberdeen, 10 August 2013 (provisional)
Unloading: Aberdeen, 21 August 2013

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

		Part 1	Part 2
F Burns	SIC Part 1	Y	
J Drewery	SIC Part 2		Y
R Cairns		Y	Y
J Mills		Y	Y
R Kynoch	Deck Part 1	Y	
E Lines		Y	
R G-Mules		Y	
J Rasmussen		Y	
L Ritchie			Y
G Jones			Y
M Kinghorn	Deck Part 2		Y
R Ayres	Visitor CEFAS	Y	
H Smith	Visitor Aberdeen Uni	Y	Y
A Conlin	Visitor JNCC	Y	
T Sykes	Visitor JNCC	Y	
P French	Visitor JNCC		Y
S Thomas	Visitor JNCC		Y

Estimated days by project: 22 days – RV1312 (20219)

Fishing Gear

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

Objective

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 using a SEABIRD 19+ CTD.

3. Install, test and proceed with using newly purchased *EDC* (electronic data capture) and *FSS* database for recording of all biological survey data.

4. Collect additional biological data in connection with the EU Data Collection Framework (DCF).

Procedures

General

Loading of the trawl gear will take place on 29 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 Wednesday 31 July. The first station is located not far from Aberdeen, so once the 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 the 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.

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 and will provide information on salinities, nitrates, silicates and phosphates. In addition the ships thermosalinograph will be run continuously throughout the survey and will provide sea surface temperature and salinity data.

Installation of new Data Recording System (FSS and EDC)

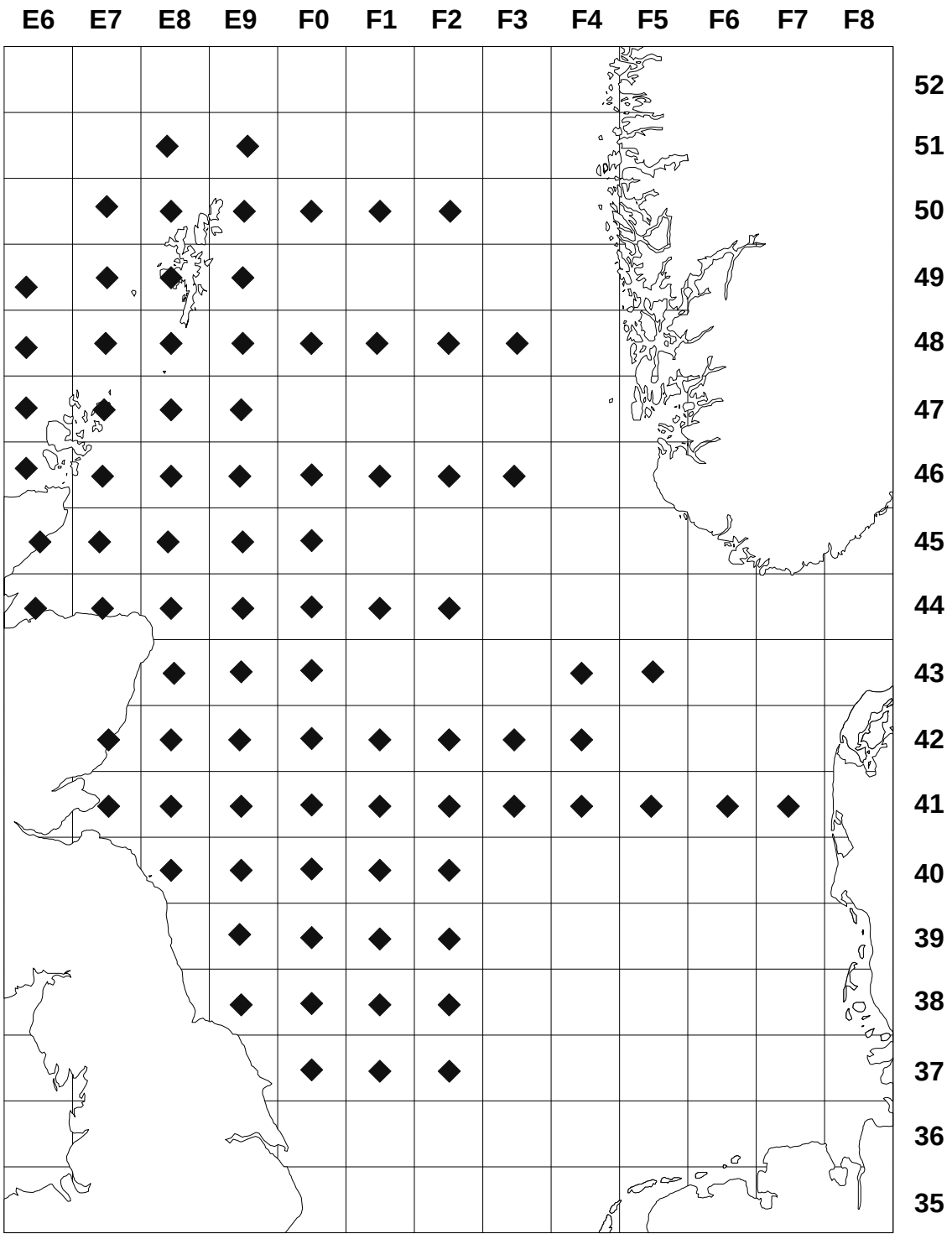
Additional personnel have been drafted in to aid in this process and this task will have zero impact on the survey programme as such and will take place whilst the day to day running of the survey proceeds. The timetable is to have this system fully tested, installed and working by the mid-survey break.

Normal contacts will be maintained with the Laboratory.

Submitted:
F Burns
8 July 2013

Approved:
I Gibb
23 July 2013

0913S Quarter 3 Groundfish Survey
31 July – 21 August 2013



◆ **Standard Trawl Squares**