

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

MRV Scotia

Survey 0912S

## **PROGRAMME**

22 July – 12 August 2012

### **Ports**

**Loading** : Aberdeen, 19 July 2012  
**Half landing** : Aberdeen, 2 August 2012 (provisional)  
**Unloading** : Aberdeen, 12 August 2012

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**

F Burns (In charge)  
J Drewery  
A Olson  
R Cairns (Part 1)  
E Barreto (Part 1)  
K McNeish (Part 1)  
O Goudie (Part 2)  
K Summerbell (Part 2)  
J Mills (Part 2)  
T Fujii (Visitor)  
A Bakhshi (Visitor - Part 1)  
K Padgett (Visitor - Part 1)  
T Sykes (Visitor - JNCC Seabird & Cetacean observer)  
C Cronin (Visitor - JNCC Seabird & Cetacean observer - Part 1)  
M Lewis (Visitor - JNCC Seabird & Cetacean observer - Part 2)  
P Vasilakopoulos (Visitor – Part 2)

**Estimated days by project:** 22 days - RV1209 (20093)

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

## **Procedures**

### **General**

Loading of the trawl gear will take place on 19 July with rigging and testing being completed on the same day. Loading of the scientific gear will also take place on the same day if practicable. *Scotia* will then sail on the morning of Sunday 22 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**

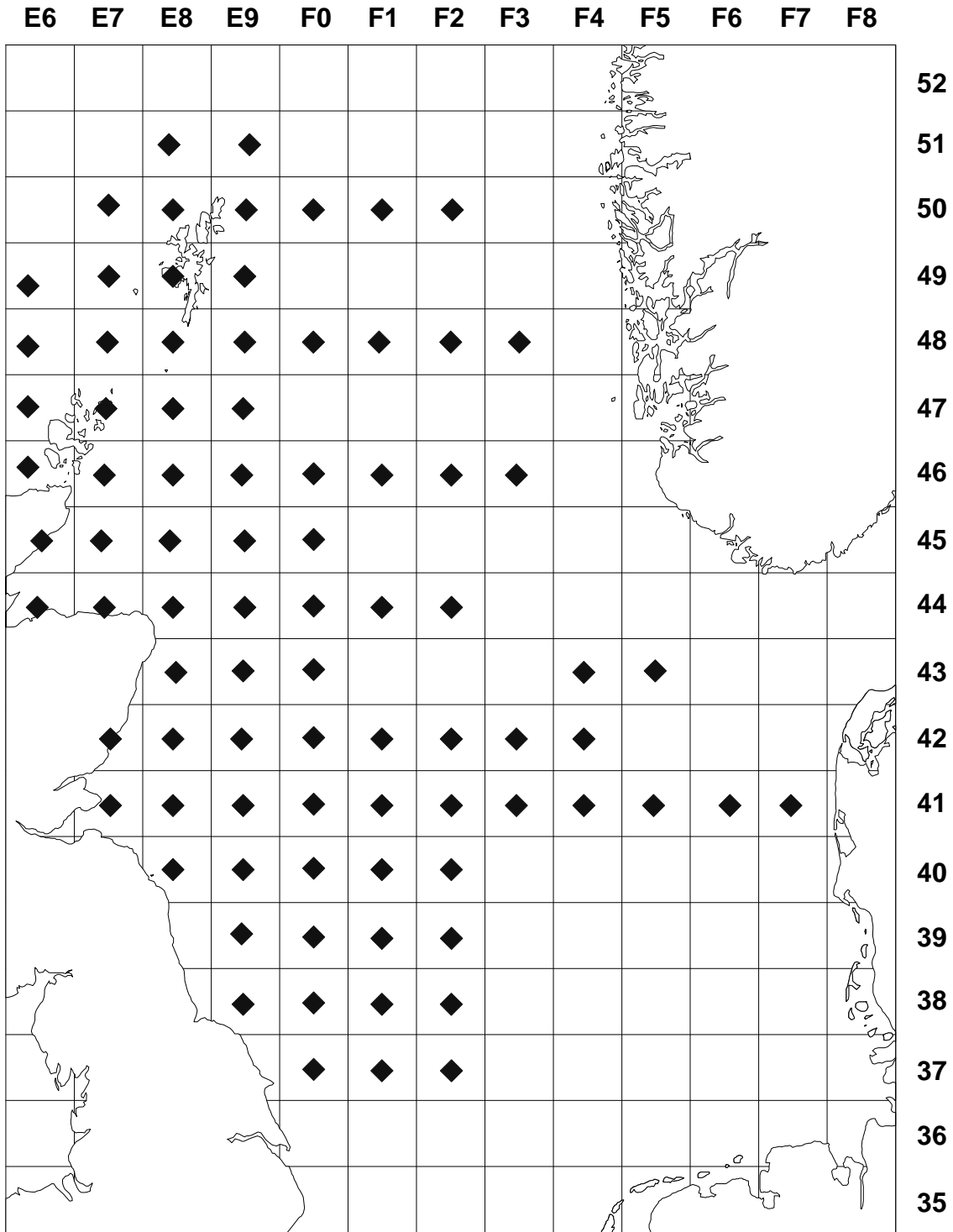
CTD casts will be taken at every trawl station. These provide surface and bottom temperature and salinity information. Reverser bottles affixed to the CTD wire will also be used to collect water samples that will be analysed back at the lab and will provide information on salinities, nitrates, silicates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

Normal contacts will be maintained with the Laboratory.

Submitted:  
F Burns  
13 July 2012

Approved:  
I Gibb  
13 July 2012

0912S Quarter 3 Groundfish Survey  
 22 July – 12 August 2012



◆ Standard Trawl Squares