

R1/12

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## FRV SCOTIA

Cruise 1093S

## REPORT

6-26 August 1993

### Personnel

K A Coull	HSO (in charge)
D S Beveridge	SO
C G Davis	ASO
M C Donald	ASO
D J Tait	ASO
L Hastie	RA (18-26 August)
A V Schie	Visitor

### Objective

To undertake a trawling survey of the North Sea.

Out-turn Days per Project: 21 days DAC1

### Narrative

*Scotia* sailed from Aberdeen at 1100 on 6 August. Trawling commenced on the stations east of Aberdeen and continued uninterrupted on the southern part of the survey area. With favourable weather conditions *Scotia* completed the stations in the German, Danish and Norwegian sectors before docking at Lerwick at 0900 on 18 August for the mid-cruise break. The vessel sailed again at 0930 the following day and recommenced work on the stations in the Shetland region. With poor weather conditions forecast, the opportunity was taken to complete the stations off Orkney and the Moray Firth. With sampling of the survey area completed the vessel returned to Aberdeen on the evening of 25 August.

### Results

The survey area was successfully covered with a total of 89 hauls being completed.

The numbers of cod, haddock and whiting caught per 10 hours fishing during the August groundfish surveys since 1982 are shown in Tables 1, 2 and 3 respectively. The number of 0-group haddock and whiting caught were lower than in any of the previous three years. However, the numbers of 1-group and 2-group haddock and whiting caught compare very favourably with results from previous years. The number of 2-group cod (1991 year class) caught were the highest since the 1985 survey (1983 year class).

The numbers of 0-group haddock and whiting caught per hour in each statistical rectangle are shown in Figures 1 and 2 respectively. All length frequency, haul summary data and age data for cod, haddock, whiting and saithe were punched at sea and stored on micro-computer. The Scanmar system was used throughout the cruise to monitor headline height, wingspread and distance covered during each haul.

K A Coull  
15 November 1993

Seen in draft: P Ramsay IOC



August 1993 Haddock 0-group nos/hour

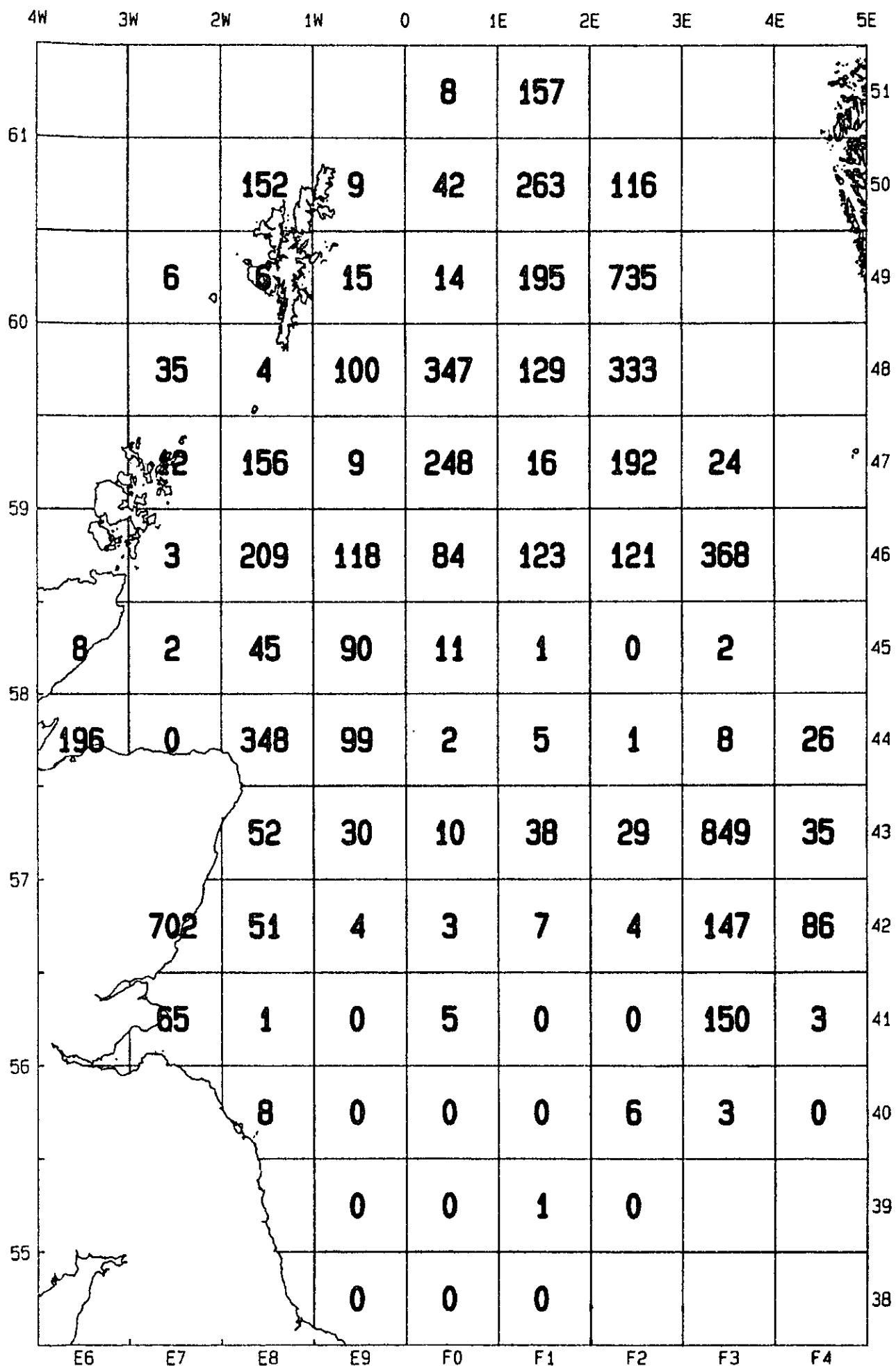


Figure 1

August 1992 Whiting 0-group nos/hour

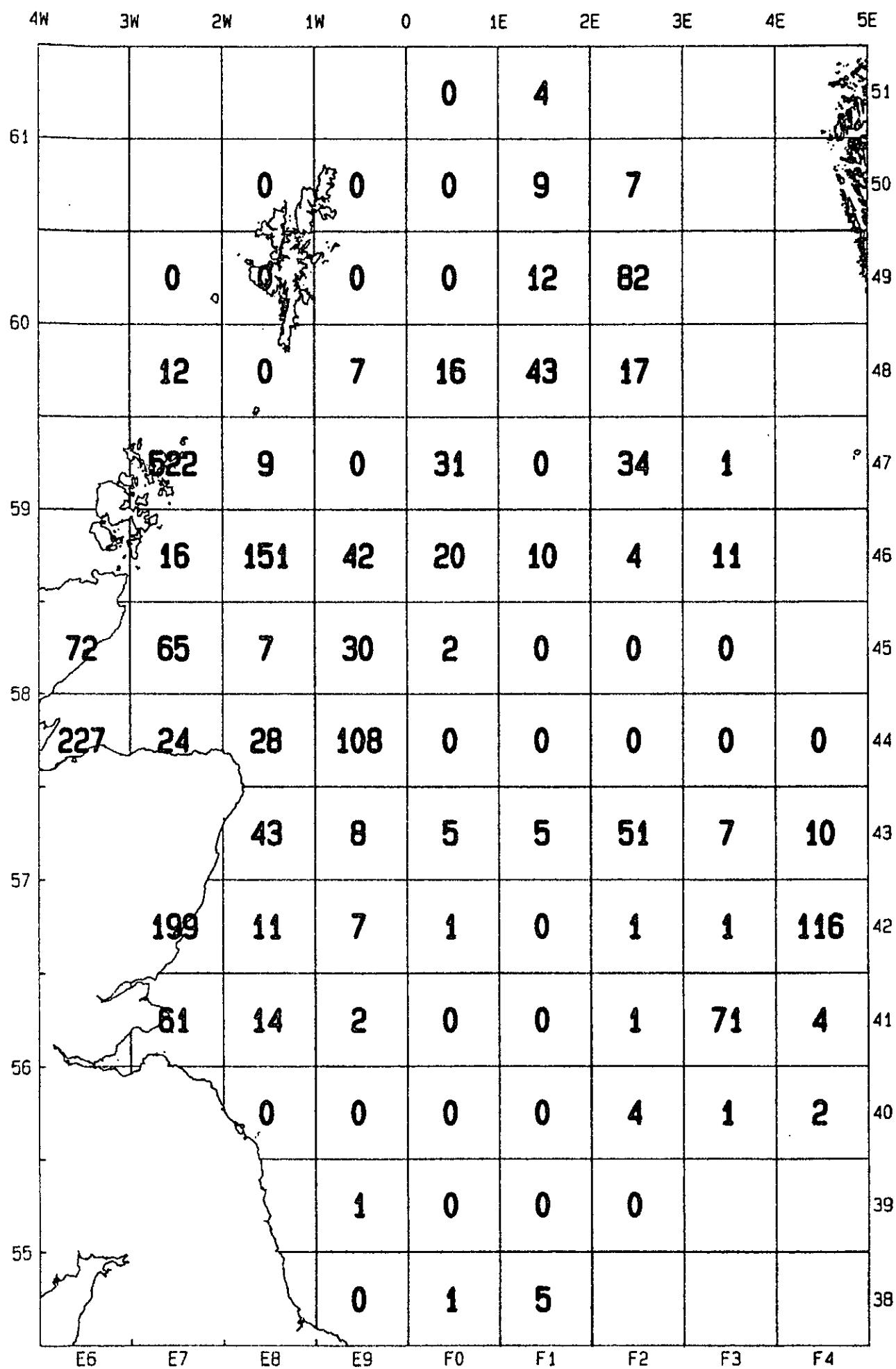


Figure 2

Scotia 6 - 26 August      Cruise 1093S

