

R1/12

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FRV *Scotia*

Cruise 0593S

**REPORT**

29 April-18 May 1993

**Personnel**

A W Newton	SSO
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G I Henderson	SO
J McWilliam	ASO
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M C Donald	ASO

**Objective**

To participate in a coordinated groundfish survey in the North Sea.

**Narrative**

*Scotia* sailed at 1100 on Thursday 29 April and proceeded to work at stations off the Scottish coast. Good weather allowed *Scotia* to work unhindered in the central North Sea and after further work off the Danish coast a port call was made at Esbjerg on Friday 7 May. Survey work resumed on Saturday 8 May and *Scotia* gradually moved towards the Shetland region. Weather hampered operations in this area and one station to the north of Muckle Flugga had to be abandoned. The final three days of the cruise were affected by strong southerly gales and most of the survey work took place in the Moray Firth during this period. *Scotia* docked in Aberdeen at 0800 on Tuesday 18 May.

**Results**

A total of 75 one hour hauls were made using the GOV trawl. For the majority of the survey the ground gear consisted of the standard set of 152 mm rubber discs but the latter were replaced with 305 mm bobbins for the stations in the northern North Sea. Short (47 m) sweeps were used for all tows. Each haul was monitored for headline height, wingend and door spread using the Scanmar system.

This survey is the third in a new time series coordinated by ICES and Table 1 shows the pooled information from various nations that participate in the survey.

A W Newton

15 November 1993

Seen in draft: P Ramsay

Preliminary Indices of IBTS (Quarter 2) in the North Sea

Survey	Cod			Haddock			Whiting			Norway pout			Herring			Sprat			Mackerel		
	0	1	2+	0	1	2+	0	1	2+	0	1	2+	0	1	2+	0	1	2+	0	1	2+
1991	2.9	8.5	13.0	0	502	348	2	1298	696	7	2337	827	118	5490	1168	0	485	1434	0.0	11.0	82.4
1992	3.0	36.3	17.5	2	772	246	2	816	605	72	7708	831	160	6689	703	0	2290	3619	0.3	0.6	9.0
1993	2.1	11.0	15.6	0	1276	265	8	710	489	0	2428	1114	103	3817	905	1	9333	3865	0.0	4.0	36.1

\* Age groupings based on predefined length delimiters

Track Chart of 'Scotia' 29 April - 18 May 1993 (0593S)

