

R1/12

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FRV *SCOTIA*

Cruise 0895S

REPORT

20 May - 5 June 1995

Personnel

A W Newton	SSO
G I Henderson	SO
D S Beveridge	SO
K J Peach	SO
D J Tait	ASO
M C Mathewson	ASO
Y Stratoudakis	Visitor

Objective

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

Out-turn costs per project: 17 days DAC1

Narrative

Due to previous commitments by *Scotia* this cruise was re-scheduled to commence three days later than originally intended. The vessel departed from Aberdeen at 1000 hours on Saturday 20 May and proceeded to work at stations off the Aberdeenshire coast. During the next five days survey work was carried out continuously in the middle North Sea until a 24 hour call was made at Esbjerg on Friday 26 May. On leaving port trawling continued and the vessel gradually moved northwest until all stations in the northern sector of the survey area were completed. *Scotia* returned to Aberdeen at 0600 hours on Monday 5 June.

Results

A total of 66 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, winged and door spread using the Scanmar system.

Bottom and surface temperatures and salinities were taken at every valid trawling station.

This survey is part of an ICES coordinated survey involving four other nations and provisional indices based on length frequency distributions are shown in Table 1.

A W Newton
11 July 1995

Seen in Draft: P Ramsay - OIC *Scotia*

Table 1

Preliminary indices of IBTS (quarter 2) in the North Sea*

Survey year	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	1,298	696	7	2,337	827	118	5,490	1168	0	485	1,434	0.0	11.0	82.4
1992	3.0	36.3	17.5	2	772	246	2	816	605	72	7,708	831	160	6,689	703	0	2290	3,619	0.3	0.6	9.0
1993	2.1	11.0	15.6	0	1276	265	8	710	489	0	2,428	1114	103	3,817	905	1	9333	3,865	0.0	4.0	36.1
1994	0.4	32.0	5.3	0	495	160	3	806	414	36	2,978	251	13	5,627	415	120	2531	954	0.0	2.8	6.9
1995	1.4	19.6	16.7	0.3	1,549	278	0.2	1,592	663	4	10,730	808	9	3,715	484	8	3803	5,416	0.0	0.8	91.9

* Age groupings based on predefined length delimiters

** "Old style" herring standard area

Version date: 23 June 1995

Track Chart of FRV 'Scotia' 20 May - 5 June 1995

