

R1/12

Not to be cited without prior reference to the Laboratory

FRV "Scotia"

Cruise 8/89

8SR89

REPORT

2-22 August 1989

Personnel

A Robb	H50 (in charge)
M Bell (Miss)	SO
G Henderson	SO
C Davis	ASO
J Dodds	ASO

Objective

To undertake a trawling survey in the North Sea.

Narrative

"Scotia" sailed at 1130 on 2 August and work commenced immediately at the stations off Aberdeen. Good weather allowed trawling to proceed without incident and 57 hauls were completed before the ship called at Lerwick on 14 August for the half landing. Work recommenced on 15 August at the stations around Shetland and continued southwards.

During the early hours of 21 August a major engine fault developed and the ship proceeded to Aberdeen docking at 1700.

Results

The entire survey area was successfully covered with a total of 86 valid hauls being completed. Catch rates ranged from 2-25 baskets with the catches generally being lowest in the most southern part of the survey area. The numbers at age of cod, haddock, whiting and saithe are given in Tables 1-4 for each market sampling area.

For haddock and whiting the overall numbers of 0+ fish caught were similar to the previous year. However for all species there was a general increase in the numbers of 1+ fish caught.

A Robb

20 September 1989

Seen in draft: N McInnes

Numbers at Age (per 10 hours)

Table 1 Cod

AGE	SHETLAND		VIKING		MORAY FIRTH		BUCHAN		FORTIES		CENTRAL		HUMBER	
	1988	1989	1988	1989	1988	1989	1988	1989	1988	1989	1988	1989	1988	1989
0	1	-	-	-	-	-	-	-	2	-	3	1	-	-
1	1	47	3	31	-	18	2	22	5	45	41	67	34	179
2	54	11	23	22	-	-	7	1	38	26	33	16	20	13
3	24	36	35	43	-	-	3	1	18	26	18	11	19	4
4	4	22	15	24	-	-	-	3	5	9	0	5	1	9
5	6	3	3	2	-	-	1	1	7	5	2	1	3	1
6	1	-	8	5	-	-	-	1	3	1	0	0	-	1
>7	-	1	3	2	-	-	-	-	1	1	1	0	-	-

Table 2 Haddock

AGE	SHETLAND		VIKING		MORAY FIRTH		BUCHAN		FORTIES		CENTRAL		HUMBER	
	1988	1989	1988	1989	1988	1989	1988	1989	1988	1989	1988	1989	1988	1989
0	483	84	570	678	740	250	629	250	382	852	236	586	44	46
1	586	583	1254	546	229	88	404	1898	598	1070	315	587	122	628
2	1582	290	1404	332	1667	-	3746	269	1645	349	1479	120	1298	18
3	274	721	162	345	10	48	224	972	129	566	123	424	141	419
4	45	55	36	41	-	-	57	31	5	23	13	26	13	27
5	41	11	44	13	-	-	14	3	5	1	15	1	59	2
6	6	4	8	9	-	-	1	6	-	1	0	9	7	19
>7	5	3	7	5	-	-	1	2	-	1	0	-	1	-

Numbers at Age (per 10 hours)

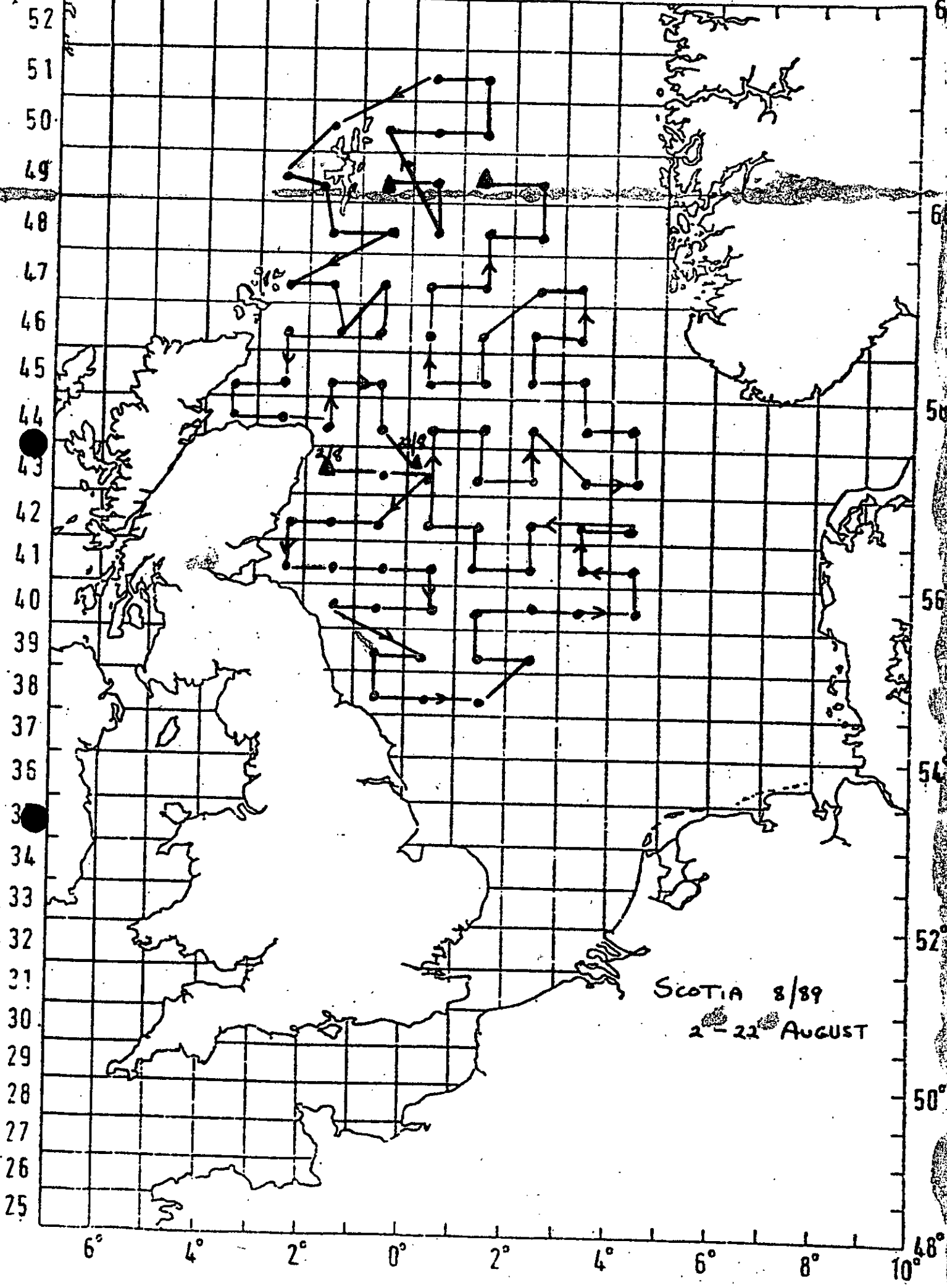
Table 3 Whiting

AGE	SHETLAND		VIKING		MORAY FIRTH		BUCHAN		FORTIES		CENTRAL		HUMBER	
	1988	1989	1988	1989	1988	1989	1988	1989	1988	1989	1988	1989	1988	1989
0	482	32	526	417	9153	693	242	174	438	331	135	943	36	1
1	6	701	3	20	1484	3628	1289	7855	88	239	488	2041	6013	20453
2	429	519	114	103	322	15	3021	994	299	412	733	700	7699	2369
3	306	1179	142	314	63	8	1015	1027	180	633	180	548	1206	802
4	98	383	73	126	23	-	118	208	38	140	7	54	187	101
5	16	49	7	8	-	-	50	2	11	14	4	1	37	13
6	1	4	3	3	-	-	3	14	2	1	0	2	9	23
>7	-	1	-	2	-	-	-	-	-	1	-	1	23	1

Table 4 Saithe

AGE	SHETLAND		VIKING		MORAY FIRTH		BUCHAN		FORTIES		CENTRAL		HUMBER	
	1988	1989	1988	1989	1988	1989	1988	1989	1988	1989	1988	1989	1988	1989
0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1	1	11	-	-	-	-	-	-	-	-	0	-	-	-
2	6	4	-	20	-	-	1	1	13	4	1	-	-	-
3	10	29	13	43	-	-	-	-	75	33	0	-	-	1
4	7	17	22	35	-	-	-	-	47	45	0	0	-	-
5	8	7	41	6	-	-	-	-	26	19	0	1	-	-
6	2	7	16	18	-	-	-	1	8	21	-	6	-	-
>7	1	7	14	10	-	-	-	-	7	4	-	3	-	-

E3 E4 E5 E6 E7 E8 E9 F0 F1 F2 F3 F4 F5 F6 F7 F8 F9



SCOTIA 8/89
2-22 AUGUST