

PD

Indexed
AK

R1/12

Not to be cited without prior reference to the Laboratory

FRV "SCOTIA"

Cruise 8/88

BSR88

3-23 August 1988

REPORT

Personnel

A Robb	HSO (in charge)
M Bell	SO
C Whitworth	SO (3-15 August)
D Campbell	ASO
C Davis	ASO
J Dunn	HSO (15-23 August)
S Dey	Seamatrix (15-23 August)
H Heba	Visitor (15-23 August)

Objective

1. To undertake a trawling survey in the North Sea.
2. Ocean sampler testing.

Narrative

"Scotia" sailed at 1500 hours on 3 August and work commenced immediately at the station off Aberdeen. Good weather allowed trawling to proceed without incident and 61 stations were successfully completed before the ship docked in Lerwick on 15 August for the half landing. Work recommenced on 16 August with trawling operations during daylight hours and ocean sampler testing being carried out between midnight and 0730. "Scotia" docked at Aberdeen at 0900 hours on 23 August.

Results

A total of 90 hauls were made during the survey with catches ranging from 2-35 baskets per hour. The numbers at age of cod, haddock, whiting and saithe are given in Tables 1-4 for each market sampling area.

With few exceptions there was a general decrease in the numbers of 1+ cod, haddock and whiting caught in each market sampling area. The numbers of 0+ haddock and whiting caught were generally greater than in the previous year in most areas.

For saithe, the overall catches were also lower than in the previous year.

Ocean Sampler Testing

Test tows of both DAFS and Seamatrix ocean samplers were carried out. Engineering and performance trials of the Seamatrix systems accounted for 40 hauls while tests and adjustments to the DAFS systems accounted for a further 10 hauls.

A Robb

27 January 1989

Seen in draft: N McIvor

Numbers at Age (per 10 hours)

Table 1 COD

AGE	SHETLAND		VIKING		MORAY FIRTH		BUCHAN		FORTIES		CENTRAL		HUMBER	
	1987	1988	1987	1988	1987	1988	1987	1988	1987	1988	1987	1988	1987	1988
0	-	1	-	-	-	-	-	-	-	2	-	3	-	-
1	16	1	14	3	20	-	13	2	37	5	21	41	37	34
2	91	54	56	23	-	-	24	7	104	38	60	33	125	20
3	8	24	4	35	-	-	2	3	10	18	-	18	-	19
4	11	4	28	15	-	-	2	-	16	5	7	0	6	1
5	3	6	10	3	-	-	2	1	5	7	1	2	3	3
6	2	1	-	8	-	-	-	-	-	3	1	0	-	-
>7	1	-	-	3	-	-	-	-	-	1	-	1	-	-

Table 2 HADDOCK

AGE	SHETLAND		VIKING		MORAY FIRTH		BUCHAN		FORTIES		CENTRAL		HUMBER	
	1987	1988	1987	1988	1987	1988	1987	1988	1987	1988	1987	1988	1987	1988
0	442	483	820	570	25	740	136	629	739	382	51	236	1	44
1	2841	586	1749	1254	3742	229	2949	404	2605	598	1645	315	2759	122
2	1168	1582	606	1404	196	1667	1080	3746	814	1645	308	1479	504	1298
3	269	274	71	162	145	10	64	224	121	129	22	123	150	141
4	160	45	47	36	8	-	263	57	73	5	81	13	147	13
5	21	41	-	44	-	-	12	14	1	5	1	15	20	59
6	8	6	11	8	-	-	10	1	-	-	2	0	-	7
>7	17	5	-	7	-	-	4	1	-	-	-	0	-	1

Table 3 WHITING

AGE	SHETLAND		VIKING		MORAY FIRTH		BUCHAN		FORTIES		CENTRAL		HUMBER	
	1987	1988	1987	1988	1987	1988	1987	1988	1987	1988	1987	1988	1987	1988
0	41	482	364	526	479	9153	172	242	289	438	9	135	19	36
1	117	6	43	3	2954	1484	2520	1289	54	88	1969	488	2332	6013
2	1055	429	201	114	935	322	3975	3021	172	299	311	733	978	7699
3	355	306	225	142	78	63	459	1015	118	180	28	180	216	1206
4	139	98	130	73	-	23	90	118	40	38	33	7	121	187
5	54	16	-	7	-	-	16	50	6	11	2	4	23	37
6	-	1	-	3	-	-	8	3	4	2	2	0	9	9
≥7	1	-	-	-	-	-	-	-	-	-	1	-	-	23

Table 4 SAITHE

AGE	SHETLAND		VIKING		MORAY FIRTH		BUCHAN		FORTIES		CENTRAL		HUMBER	
	1987	1988	1987	1988	1987	1988	1987	1988	1987	1988	1987	1988	1987	1988
0		-		-	-	-	-	-	1	-	-	-	-	-
1	1	1		-	-	-	-	-	-	-	-	0	1	-
2		6	2		-	-	1	1	10	13	-	1	-	-
3	8	10	20	13	-	-	2	-	101	75	-	0	-	-
4	65	7	286	22	-	-	6	-	206	47	1	0	-	-
5	12	8	35	41	-	-	2	-	12	26	0	0	-	-
6	1	2	14	16	-	-	-	-	2	8	-	-	-	-
≥7	1	1	10	14	-	-	-	-	16	7	-	-	-	-

