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CRUISE REPORT

F.R.V. "CLUPEA"

August 14th-August 19th 1961.

The scientific staff joined 'Clupea' at Buckie on the 14th. Strong winds delayed the start of the cruise until the 16th. Twelve trawls were completed during the remainder of the week in the deeps north of Buckie. 17,569 Norway lobsters were caught, an average of 1,464 per hour trawl. The best haul was one at dusk (2,239) and the poorest, the following haul, done in darkness four hours later (433); these were done with the prawn trawl and the modified trawl respectively. The sex ratio of the prawns caught was similar 8,646 females to 8,923 males = 1:1.03, 1,414 females were berried, 16.3%

A sample of females was examined for maturity stages, the majority being fours, fives and berried.

Very few white fish were caught, only small hake were taken in any number. The predominant fish on the grounds was long rough dab.

The following Table shows the overall size distribution of the Norway lobsters on the grounds and the respective catches by the gear used.

C. DAVIDSON

15th September, 1961.

15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59		
5	158	321	456	289	129	48	9			Modified Trawl 70 m/m c.e.
1	390	449	514	306	119	58	8			
-	17	42	137	147	70	14	6			
6	565	812	1107	742	318	120	23	-	Total No. 3693	
+	15	22	30	20	7	3	1		%	
7	251	431	565	238	102	40	28	-		Modified Trawl 50 m/m c.e.
7	252	299	378	255	176	52	20	4		
4	118	158	229	134	87	25	27	3		
18	621	888	1172	627	360	117	75	7	Total No. 3885	
+	16	23	30	16	9	3	2	+		
7	282	403	576	382	174	68	51	3		Prawn Trawl 70 m/m c.e.
11	347	219	272	189	119	36	20	-		
22	596	596	504	276	98	60	16	-		
40	1225	1218	1352	847	391	164	87	3	Total No. 5327	
1	23	23	25	16	7	3	2	+		
24	268	373	356	185	136	56	32	4		Prawn trawl 50 m/m c.e.
33	559	537	618	318	120	48	6	-		
29	282	221	218	141	68	20	8	4		
86	1109	1131	1192	644	324	124	46	8	Total No. 4664	
2	24	24	26	14	7	3	1	+		
150	3520	4049	4823	2860	1393	525	231	18	Total No. 17569 (all hauls)	
0.8	20.0	23.0	27.4	16.3	7.9	3.0	1.3	0.1	overall % occurrence in 5 m/m size groups.	