



1950

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ANNUAL MEETING - JUNE 1970

CATCH STATISTICS AND AGE/LENGTH DISTRIBUTION OF ATLANTIC SALMON
FROM THE SOUTHERN PART OF THE DAVIS STRAIT.

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Greenland Fisheries Investigations.

In January - April 1970 a fishery for salmon was carried out by two boats from Greenland in the area 58 - 60° N and 53 - 58° W, i.e. in the ICNAF divisions 1 F and 2 G.

Until this is written we have only got information about one of the boats, and this one was fishing mainly with hooks. In April drift netting was tried, but the catch was only 5 salmon per 100 nets. The information about the hook fishery is given in the table below.

Fishing days	Date landed	No. of hooks used	Catch per 1000 hooks	Catch kg, gutted	Weight distribution (%) x)		
					kg (gutted) 1 - 3	3 - 5	5
26.1. - 3.2.	6.2.	11120	47	1645	53.9	36.8	9.3
12.2. - 24.2.	26.2.	7400	24	604	38.3	47.5	14.2
7.3. - 19.3.	23.3.	22880	26	1829	43.0	36.9	20.1
4.4. - 14.4.	24.4.	19120	26	2948	no information		

x) Tabulated in weight groups commercially used (see Table 2).

From the landing of March 23. a sample of 187 salmon was taken for length, weight and age analyses. The scale readings have been carried out in collaboration with the M.A.F.F. in London.

The Tables 1 and 2 give the results of the analyses.

Table 1. Age/length distribution of sample from Davis Strait, March 1970. The fishery was carried out about 58°30'N-56°00'W and the gear used was hooks. The figures in the table are percentages of 187 measured salmon of which 58 were age analysed. At the bottom the average lengths in each age group are compared with the corresponding figures from a sample taken in October 1969 on Store Hellefiske Bank as given in another paper for this meeting.

fork length	1.2	2.2	3.2	4.2	2 SW	2.3	3.3	4.3	3 SW	PS	NE	TOTAL
92											.53	.53
91								1.07	1.07			1.07
90										1.07		1.07
89												
88							1.60		1.60			1.60
87							1.07		1.07			1.07
86						.53			.53			.53
85						3.74			3.74			3.74
84						1.87	1.87		3.74			3.74
83						1.34	1.34		2.67			2.67
82						3.74			3.74			3.74
81				2.14	2.14	2.14			2.14			4.28
80						4.71	1.18		5.88			5.88
79						2.51	1.23		3.74			3.74
78		2.67			2.67							2.67
77			1.07		1.07							1.07
76			2.14		2.14							2.14
75		2.83			2.83	1.44			1.44			4.28
74			2.14		2.14					1.07		3.21
73		2.94	2.94		5.88							5.88
72		3.21	3.21		6.42							6.42
71		2.67	2.67		5.35							5.35
70		2.51	4.97		7.49							7.49
69		9.09			9.09							9.09
68			3.90		3.90	1.98			1.98			5.88
67		3.21	3.21		6.42							6.42
66			3.21		3.21							3.21
65	.80	.80			1.60							1.60
64			1.07		1.07							1.07
63			.53		.53							.53
Total	.80	29.95	31.07	2.14	63.96	24.01	8.29	1.07	33.37	2.14	.53	
Av. length	65.0	71.0	70.2	81.0	70.9	80.4	83.7	91.0	81.6	82.0	92.0	74.8
67°10' N av. length	73.5	73.8	70.4	67.5	72.6	83.5	81.9	84.7	81.7	79.2		73.6

PS = previous spawners

SW = sea winters

Table 2. Weight distribution (kg) and condition factors of 186 measured salmon from Davis Strait about 58°30'N-56°00'W, taken in March 1970.

Fork length cm	number	weight, gutted		condition factor (round fresh)
		average	standard deviation	
92	1	8.7	-	1.24
91	2	6.0	.71	.89
90	2	6.8	.71	1.03
89				
88	3	5.9	.35	.97
87	2	6.2	.21	1.04
86	1	6.7	-	1.17
85	7	6.2	.56	1.11
84	7	5.5	.69	1.03
83	5	5.4	.18	1.04
82	7	5.2	.40	1.04
81	8	4.7	.63	.98
80	11	4.6	.27	1.00
79	7	4.7	.30	1.05
78	5	4.2	.30	.95
77	2	3.8	-	.92
76	4	3.9	.13	.99
75	8	4.0	.32	1.05
74	6	3.3	.27	.90
73	11	3.3	.33	.94
72	12	3.1	.28	.92
71	10	3.0	.12	.93
70	13	2.9	.34	.94
69	17	2.8	.24	.94
68	11	2.7	.38	.95
67	12	2.5	.21	.92
66	6	2.5	.18	.97
65	3	2.3	.15	.93
64	2	2.4	-	1.02
63	1	2.4	-	1.07
Average		3.8		.98



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ANNUAL MEETING - JUNE 1970

Catch statistics and age/length distribution of Atlantic salmon
from the southern part of the Davis Strait

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CORRIGENDA

Table 1, last line, 67°10'N. Average lengths on this line are total lengths (cm), whereas those lengths given in other parts of the table are fork lengths (cm).

Fork lengths corresponding to the total lengths given in last line are																			
total	73.5	73.8	70.4	67.5	72.6	83.5	81.9	84.7	81.7	79.2	73.6								
fork	69.5	69.8	66.4	63.5	68.6	79.2	77.6	80.2	77.5	75.1	69.6								