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THE DANISH DRIFT NET FISHING FOR SALMON IN WEST GREENLAND, 1970.

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The material for this paper derives from 13 Danish vessels, which took part in the fishery 1970, from the Ministry of Fisheries and from Mr. Ole Christensen, who participated in the fishery on board the Danish vessel POLAR-LAKS from 29 August to 20 September.

All figures are in fork length to the cm below and in round, fresh weight.

The fishery in 1969 and 1970.

Table 1 states the Danish and Faroese catches at West Greenland in 1969 and 1970. The tabel does not include figures from the Greenlanders' offshore catches.

Table 1. Offshore catches in 1969 and 1970 (Denmark and the Faroese).

	19	169	, 1970				
	No.of vessels	catches metric tons round, fresh	No.of vessels	catches metric tons round, fresh	No.of salmon	average weight/kg	
DENM A RK	15	412	13	358	112,586	3.18	
FAROES	6	215	7	259	81 , 550	3.18	
MATO	21	627	20	617	194,136	3.18	

The total catch is nearly the same in 1970 as in 1969, as well as the number of vessels participating in the fishery i.e. a total of 21 (1969) and 20 (1970). The average weight of the salmon is the same from the Danish and Faroese catches in 1970, viz. 3.18 kg.

The average catch per vessel is just the same in 1970 as in 1969.

Table 2. Catch per vessel in 1969 and 1970.

	1969	1970		
DENMARK	27.5	27.5	metric	tons
FAROES	35.8	37.0	11	11

The difference in size of catch per vessel between Denmark and the Faroes is due to the difference in mean-size of the vessels, the Faroese drifters being bigger than the Danish.

Distribution of the fishery.

The total number of salmon landed by Danish drifters is 112,586. For the catches from 12 vessels, in total 100,094 salmon corresponding to 88.9% of the total Danosh catch it is known where and when they were caught, and for 75.2%,

it is furthermore known how many nets or hooks were used. Catches taken by long-lines represent only app. 1.5% of the total Danish catch.

Table 3 and Figure 1 show the distribution of the fishery by division and for half months.

Unlike the two previous years, 1968 and 1969, an important fishery took place in 1970 in Div. 1E, where 27.7% of the salmon caught by the twelve vessels were taken. In 1968 and 1969 the drifters operated mainly in the two or three came northernmost divisions. About half of the catches/from Div. 1B, mainly from Store Hellefiske Bank.

The best month was September, and in this month the fishery was concentrated in Div. 1E, especially in the second half of the month. This fishery took place very close to the shore. In previous years the best season for the fishery was October.

The size composition (in weight-groups) of salmon from landings in Denmark.

Figure 2 shows the size composition in weight from nine vessels' landing or 70.4% of the total number landed by Danish vessels.

Catch per unit effort.

The information covers 73.7% of the total number of salmon caught by Danish vessels, and the information about the catch per unit effort is given without consideration to size of mesh and type of net (see Mr. Ole Christensen's paper).

Table 4 gives the catches per 100 nets and Table 5 gives catches-per-day-fished. Both tables show that the offshore catches in November were much lower than the rest of the rest of the season. The best catch-per-unit-effort was in September in Div. 1E, and in July in Div. 1B.

Table 6 gives information of the catches of salmon caught by long-lines, and the information cover 1.5% of the total number of salmon landed by Danish vessels. The fishery took place mainly in Div. 1B and in October and the fire half of November.

The number of salmon caught per 1000 hooks is 27.4, which is much higher than the corresponding figures from R/V ADOLF JENSEN, viz. 7.3 and 4.2 in 1969 and 1970 respectively.

Table 3. The distribution of the Danish offshore fishery in 1970 - 55.9% of the total number of salmon caught by Danish vessels is represented. - The limit between 1/2 north and 1/4 south is taken as latitude, 70°N.

TOTAL	1E	1 _២	10	ÎB	1A south	1A north	DIV. N	Half month
2073 2.07	-		30	2034 2.03	<u> </u>		No. of salmon	JUL 2nd
2.07			30 0.04	2.03			δ.	
6467 6.46			2455 2.45	4012			No. of salmon	AUG 1st
6.46			2.45	4.01			હેંદ.	
18584 18.57			2275	16182 16.17	127		No. of salmor	AUG 2nd
18.57			2.27	16.17	0.13		796	
22057 22.04	5482	150	173	1658	12008	2586	No. of	SEP 1st
22.04	5.48	0.15	0.17	1.66	12.00	2.58	ઇ∀.	
27548 27.33	21608 21.59		21	1468	2391	1860	No. of salmon	3E₽ 2nd
27.33	21.59		0.02	1.47	2.39	1.86	₹.	
6360 6.35	652	1018 1.02	313	4193	184		No. of salmon	00T
6 .3 5	652 0.65	1.02	313 0.31	4193 4.19	184 0.18		, ,	
13364 13.35		440	39	12840	45		No. of salmon	OCT 2nd
13.35		0.44	0.04	12.83	0.04		, c.'	
3840; 3.83			33	3807 3.80			No, of salmon	NOV 1st
3.83			33 0.03	3.80			, δ.	
100094 +)	27743	1608	5348	46194	14755	4446	No. of salmon	TOTAL
+	27.72	1.61	5.33	46.16	14.74	4.44	<i>%</i>	

⁺⁾ incl. one salmon caught in Div. 18 in and half of MOV.

Table 4. Catch per 100 nets. 73.70 the total number of salmon caught by Danish vessels is represented.

Total	1E	1 D	10	1B	1A south	1A north	DIV.
Q. th	Q. 70	с р	Q, B	ο, το	0 B	Q B	Half
							ה
64.1 3232			13.0 300	69.4 2932			JUL 2nd
21.9 29497			31.0 7918	18.6 21579			AUG 1st
36.7 41715			31.1 3891	37.5 37324	25.4 500		AUG 2nd
47.4 43520	97.3 5577	50.0 300	12.7 1367	31.1 4356	43.9 24899	36.8 7021	SEF 1st
50.7 45809	75.6 25372		8.9 237	11.1 7266	20.6 6573	29.2 6361	SEP 2nd
22 , 2 19387	17.3 2020	34.9 2913	13.1 2475	22.9 11019	10.6 960		00T
27.9 30575		25.5 1724	3.1 225	28.5 28176	10.0 450		OCT 2nd
9.7 25382			4.0 100	9.8 25282	6		NOV 1st
0.5 200	1.0 100			0 100			NOV 2nd
34.7 239517	75.5 33069	32.8 493 7	25.6 16513	25.5 138034	37.6 33382	33.2 13382	TOTAL

a = Number of salmon per 100 nets.

b = Number of nets.

Table 5. Catch per day, 73.7% of the total number of salmon caught by Danish vessels is represented.

Total	1 E	1 D	10	1 B	1A south	1A north	DIV.
чр	Ω, δι	ch b	ΩÞ	СB	ο , 6 9	c, to	
							Half month
345.5 6			39.0 1	406.8 5			JUL 2nd
102.7			129.2 19	91.2 44			AUG 1st
170.2 90			151.5 8	172.6 81	127.0		AUG 2 n d
234.2	339.3 16	75.0 2	57.7	150.6 9	242.6 45	19 8. 9 13	SEP 1st
223.4 104	336.7 57		21.0	57 . 7	75.3 18	132.9 14	SEP 2nd
77.0 56	38.8 9	78.3 13	53.8	96 . 9 26	51.0 2		00T
133.3 64		110.0	3.5	143.8 56	22.5		OCT 2nd
41.2 60			4.0	41.9 59			NOV 1st
0.5 2	1.0			10			NOV 2nd
155.8 533	300.9 83	84.6 19	103.3	119.4 295	184.5 68	164.7 27	TOTAL

a = Number of salmon per day.

b = Number of days

Table 6. The long-line fishery in 1970. - Seven vessels tried long-lining and caught 1.5% of the total number of salmon caught by Danish vessels.

TATOT	10	1 B	DIV.
No.of salmon No.of hooks salmon per 1000 hooks No.of days fished No.of salmon per day	No. of salmon No. of hooks salmon per 1000 hooks No. of days fished No. of salmon per day	No. of salmon No. of hooks salmon per 1000 hooks No. of days fished No. of salmon per day	Half month
305 5040 60.5 101.7		305 5040 60.5 102.7	OCT 1st
1159 41435 28.0 22 52.7	22 1840 12.0 2 11.0	1137 39595 28.7 20 56.9	OCT 2nd
264 16505 16.0 9	22 3120 7.1 2 11.0	242 13385 18.1 7 34.8	NOV 1st
1728 62980 27.4 44 39.3	44 4960 8.9 4	1684 58020 29.0 30 56.1	TOTAL

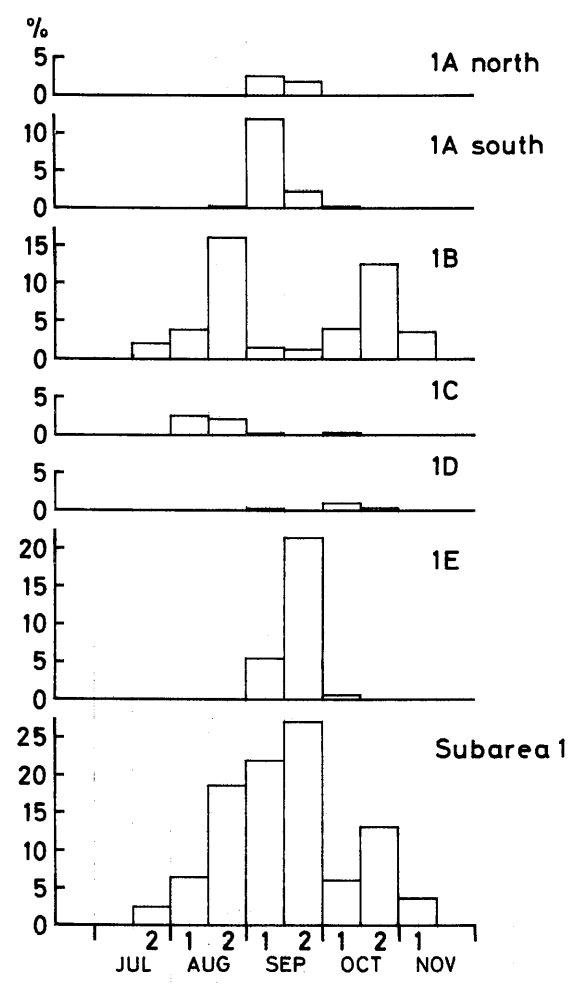


Fig. 1. The distribution of the Danish offshore fishery in 1970 - 80.9% of the total number of salmon caught by Danish vessels is represented. - The limit between 1A north and 1A south is taken as latitude, 70°N.

