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

> By Jens Møller Jensen
> (Grønlands Fiskeriundersøgelser)

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 POLARLAKS 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).

|  | 1969 |  | 1970 |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
|  | No. of <br> vessels | catches <br> metric tons <br> round, fresh | No.of <br> vessels | catches <br> metric tons <br> round, fresh | No.of <br> salmon | average <br> weight/kg |
| DENMARK | 15 | 412 | 13 | 358 | 112,586 | 3.18 |
| FAROES | 6 | 215 | 7 | 259 | 81,550 | 3.18 |
| MOTAI | 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 |  |  |
| :--- | :---: | :---: | :---: | :---: |
| DEMMARK | 27.5 | 27.5 | metric tons |  |
| FAROES | 35.8 | 37.0 | $"$ | $"$ |

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 112,536. For the catches from 12 vessels, in total 100,094 salmon corresponding to $38.9 \%$ of the total Danosh catch it is know 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 Fisure 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. $1 E$, 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 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. $1 E$, 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' landiner or $70.4 \%$ of the total number landed by Danish vessels.

Oatch pex unit effort.
The information covers $73.7 \%$ of the total number of salmon caurht 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-dayfished. 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 Beptember in Div. 1E, and in July in Div. 1B.

Table 6 gives information of the catches of salmon caucht by lone-lines, and the information cover $1.5 \%$ of the total number of salmon landed by Danish vessels. The fishery took place mainly in Div. $1 B$ and in October and the fir: 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.


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