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A Review of the Cod Fisheries at Greenland, 1910-1995

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Foreword

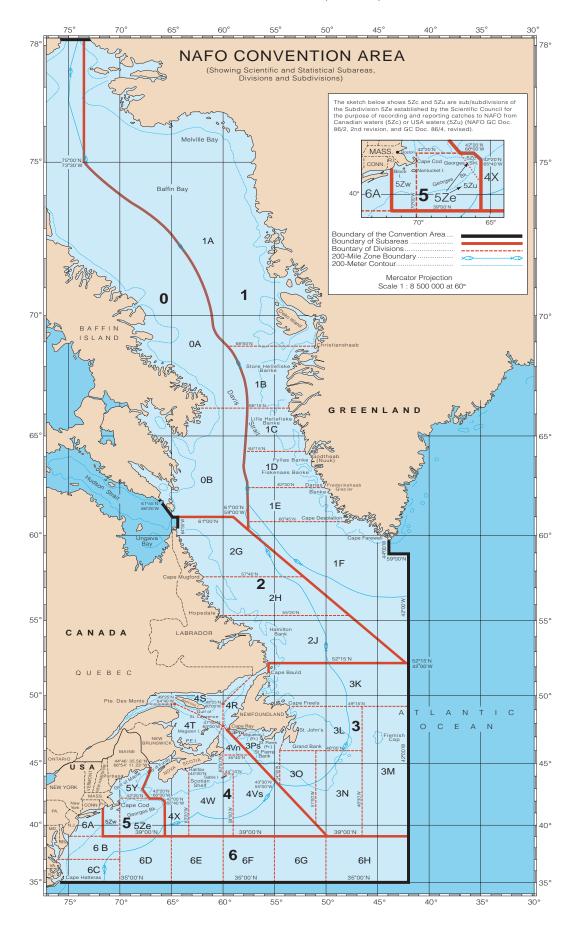
The first volume of the NAFO Journal was published in December 1980, after NAFO came into force in 1979 replacing its predecessor, the International Commission for the Northwest Atlantic Fisheries (ICNAF). This volume celebrates the completion of two decades of publications and contains another of the series of invited review papers concerning Northwest Atlantic fisheries, fishery research and management.

The Northwest Atlantic fisheries have a rich history, and a great deal of research has been sponsored or encouraged by NAFO and its predecessor, ICNAF. Indeed, ICNAF was, in the years immediately prior to extension of coastal state jurisdictions, an international pioneer in the application of science to fishery management and in the regulation of fisheries. An analysis of those historic events provide many lessons relevant to the understanding and resolution of present and future fishery research and management issues.

The idea of a series of invited papers for publication in the NAFO Journal was first raised by the Standing Committee on Publications of the NAFO Scientific Council in 1985 as one way to enhance the scope of the Journal and to stimulate broader interest in it. The first such invited paper was published at the completion of the first decade of the NAFO Journal in December 1990. Invited issues have considered topics such as delimitation of fishery areas and establishment and development of regulatory systems for the North Atlantic Fisheries. The present paper being published at the end of the second decade of the NAFO Journal, documents the development of the cod fisheries around Greenland since official statistics were first recorded in 1910. The review which includes the development of fisheries regulations to the present day, is very much the kind of broad review paper that the Standing Committee had hoped to attract. This paper should be of use to scientists, to historians and to fishery administrators alike. The author, who devoted considerable effort compiling this valuable information during his retirement time, is congratulated with sincere thanks for the work.

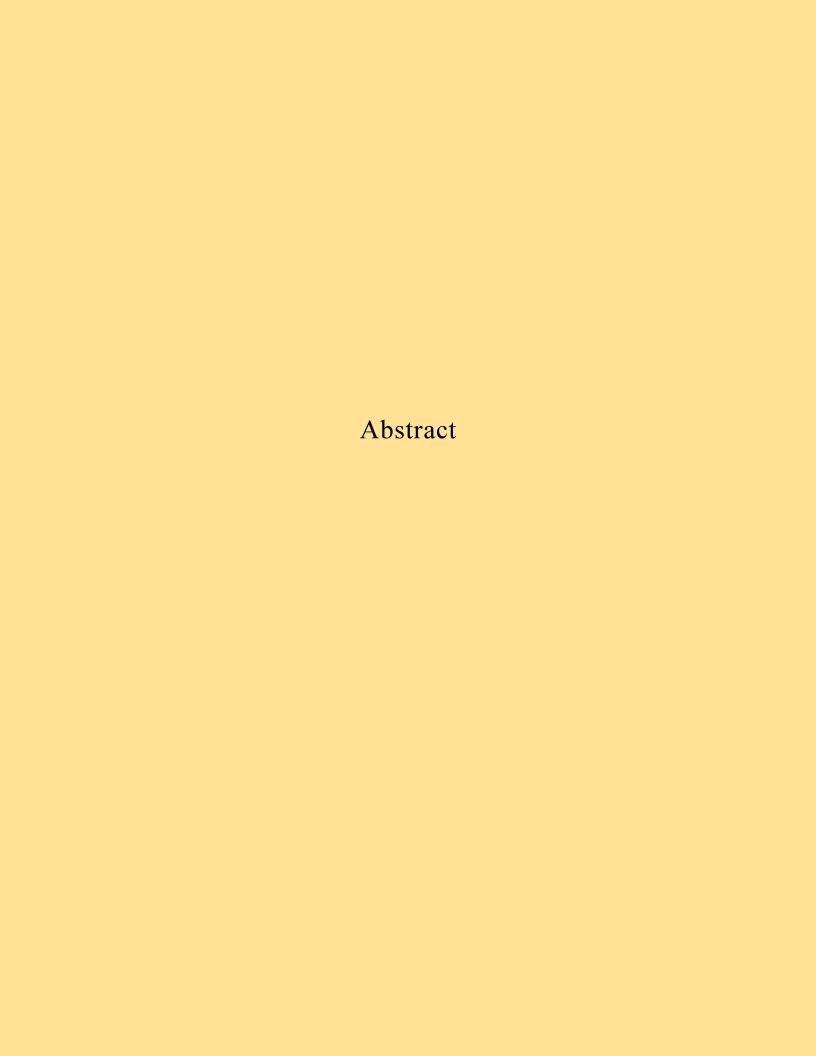
December, 2000

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A Review of the Cod Fisheries at Greenland, 1910–1995

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Abstract

For Greenland and the fisheries around Greenland, one of the most pronounced and extremely important fluctuations in abundance of marine resources was shown by cod in Greenland waters during the 20th century. The present paper reviews the cod fisheries during this century for which official statistics exist since 1910. From 1925, data were collected and published by the International Council for the Exploration of the Sea (ICES) and, from 1950, by the regional fisheries organizations International Commission for the Northwest Atlantic Fisheries (ICNAF) for 1950–79, and Northwest Atlantic Fisheries Organization (NAFO) for years since 1979.

The official published catch statistics are given in terms of nominal catches, i.e. landed weight, for instance gutted, heads-on fish converted to corresponding weight of round, fresh fish. The conversion factors themselves set by each country participating in the fisheries varied somewhat among countries. A critical review of the conversion factors is given as well as of other factors, and in quite a number of cases, amendments to the officially published statistics are presented.

The total cod fishery in Greenland waters is reviewed by various identified components:

- 1. The local Greenland fishery, until the mid-1960s a coastal and inshore small-boat fishery by hand- and long-lines and pound nets. From the mid-1960s large liners fished offshore and since 1968 large trawlers have fished offshore.
- 2. A Faroese land-based fishery by small boats operating mainly offshore but close to shore and mainly by hand lines.
- 3. An offshore fishery by liners, dory vessels (from Portugal) and trawlers. The Faroese operated liners and trawlers besides the land-based small boats mentioned above (2).

The fisheries are reviewed country by country, including a review of fleets and effort, and of tendencies in temporal and spatial distribution of the fishery.

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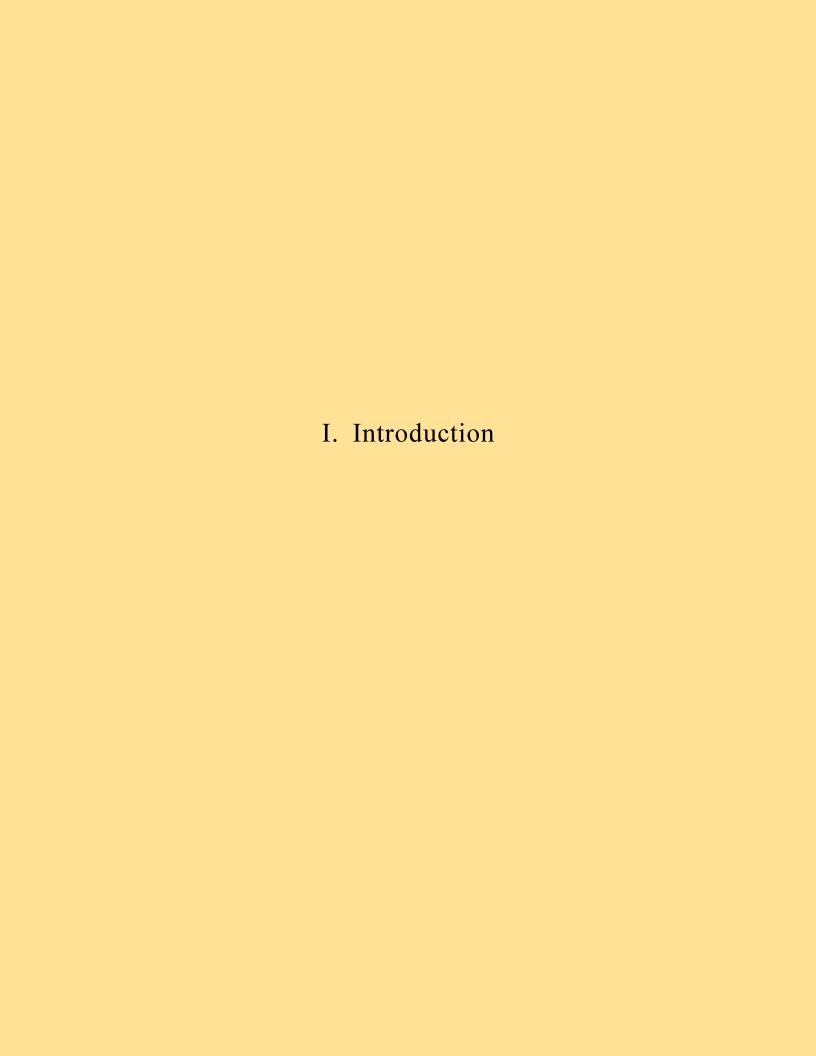
The fisheries regulations are reviewed. The offshore area open to non-Greenlandic fleets was outside 3 naut. miles until 1963, then 12 naut. miles until 1977 when the 200 naut. mile Exclusive Economic Zone was introduced. TACs and catch quotas were introduced in 1974.

Total catch of cod at West Greenland peaked by about 460 000 tons in 1962. After 1968, catches decreased rapidly, and since 1973 it has been below 100 000 tons. The exploitation for cod at East Greenland began when modern trawlers, mainly from Germany, started fishing there in the mid-1960s. The catch at East Greenland until 1995 has generally been much below that at West Greenland for the period reviewed.

Over the total period (1910–95) 16 different nations have participated in the cod fisheries at Greenland landing a total of about 10 million tons. The coastal state Greenland has taken about 15% of that total, while the biggest share has been taken by Portugal (2.09 million tons or 21% of total).

Adverse environmental factors, for instance relatively low temperature of upper water layers since about 1968 seem to be the main reason for the recent drastic decline of the stock size. Low larval productions at Greenland and relatively low transport of larvae from Iceland to Greenland waters have resulted in a period with lower recruitment than earlier in the century. It seems like the good period of the 20th century has come to an end, with no signs of an immediate and long lasting rebuilding of a Greenland cod stock to the levels seen in the mid part of the century.

Key words: cod, distribution, environment, fishing fleets and gears, Greenland, statistics, management



I. Introduction*

The occurrence of cod in Greenland waters has been of an episodic character. Rink (1852 and 1857) refers to two periods in the first half of the 19th century, when cod seems to have been abundant at West Greenland and some commercial fishing took place both offshore by international vessels and inshore by Greenlanders. Bendixen (1930), Jensen and Hansen (1931) and Hansen (1949) reviewed the history of the cod fisheries in Greenland waters including those periods in the 19th century referred by Rink (1852, 1857). Horsted in Buch *et al.* (1994) reviewed evidence of occurrence of cod at West Greenland in the 17th–19th centuries and the fluctuations in occurrence and distribution of cod during the 20th century. Also Mattox (1973), in a very detailed study, reviewed fishing at West Greenland concentrating on the development of Greenland's own fisheries and fishing industry in the period 1910–66, i.e. just up to the time when Greenland started developing its offshore fisheries.

Fishing experiments at West Greenland at the beginning of the 20th century, carried out in 1906 by two Faroese vessels for the Royal Greenland Trade Directorate, gave disappointingly poor results so far as cod was concerned (Andreasen, 1906). The "*Tjalfe*" expedition in 1908 and 1909 under leadership of Adolf Jensen found virtually no cod in the offshore areas of West Greenland, although at some inshore localities, especially at the dwelling place Fiskenæsset (south of Nuuk/Godthåb), cod seemed to have occurred during summer and autumn in most years (Jensen, 1909a and b). At this and some other localities commercial fishing, and production of salted fish, started in 1911 and spread to other places in the following years.

Hansen (1949) reports that the international offshore fishery on the West Greenland banks by non-Greenlandic vessels increased with catches from 352 tons in 1925 to 14 312 tons in 1929 and as much as 43 060 tons in 1930, and fluctuated around that level until 1938. Figures for this period are, however, drastically revised in the present paper indicating that from 1925 to 1930 total annual landings of cod from West Greenland waters increased from about 3 000 tons to about 104 000 tons fluctuating thereafter in 1931–39 in the range between 63 000 and 133 000 tons (Table 1 and Fig. 1).

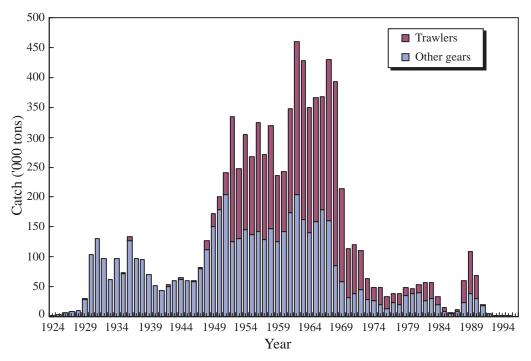


Fig. 1. Nominal catches of cod at West Greenland taken by trawls and by other gears, 1924–95. (Small catch values during 1911–23 were not plotted.)

^{* [}For convenience of presentation, all Tables in this publication are placed at the end of each section]

The evident increase of the cod stock and its spatial distribution at West Greenland was explained by Jensen (1939) as one of the biological consequences of the general warming of the Arctic and Subarctic regions in the 1920s.

During the World War II years 1940–45, catches fluctuated at a lower level, 44 000–85 000 tons with Portugal and Greenland being the only participants during 1941–45 (Table 1)

Annual catches of cod at West Greenland after World War II increased rapidly to culminate in 1962, when about 460 000 tons were taken (Table 2 and Fig. 1). The total nominal catch was still as high as 394 000 tons in 1968 but decreased sharply thereafter to reach only 33 000 tons by 1976. Temporary improvements since then have not prevented a further general decline of catch levels with landings since 1993 around 2 000 tons, the latest year considered being 1995. No immediate improvement in recruitment was then foreseen (in Anon., 1996).

Offshore trawl surveys at West Greenland indicate a decline in cod biomass of as much as 90% from 1989 to 1990, and the survey in 1993 indicated as little as about 360 tons biomass in the offshore survey area (in Anon., 1994). Adverse environmental conditions seem to be the main cause for the decline of the stock (Buch, MS 1998)

Less is known about occurrence of cod and of the cod fisheries in East Greenland waters (except for more recent years), but also there the occurrence of cod seems to be of an episodic character (Schmidt, 1931). Holm (1918, page 297) quoting Björn Johnsen's Grønlandske Annaler (Greenland Annals) reports of evidence of shoals of cod at Ammassalik in the late part of the 16th century. For the 20th century, Schmidt (1931), basing his observation on personal information from Governors of Ammassalik (Petersen and Hedegaard), comments that cod was first noticed there in 1912 and has become fairly common since 1923.

The exploitation of cod at East Greenland increased much when modern trawlers started fishing there in the mid-1950s (Table 3). Fishing was to a great extent carried out as a mixed fishery (cod and redfish). Throughout the period here considered, the total catch of cod at East Greenland was much lower than that at West Greenland. In most years it was within the 10 000–20 000 ton level, seldom reaching over 30 000 tons. A temporary improvement in catches took place around 1990, but since 1993 catches and observed biomass have been at a very low level. Thus, the cod stock at East Greenland has also been very much reduced in recent years.

The recent development of the cod stock at Greenland seems to be just the reverse of the development in the second decade of the century. This is apparent at least at West Greenland. Thus it could be stated that, ... the cod epoch of the 20th century at West Greenland has come to an end... It has probably been one of the longest lasting. Nobody knows when a new epoch will start. Certainly judging from the stock situation at East Greenland a new epoch is not just a matter of back-migration of cod from East Greenland. (The late Danish scientist Chr. Vibe, who died in June 1998, studied climatic variation in the Arctic and its influence on occurrence of various animals (Vibe, 1967) and in recent years has offered the opinion that the 21st century will be a cold period in the Arctic, but that there may be a period with improved cod stock in southern Greenland, especially in fjords at the beginning of the century (pers. comm. and a newspaper feature article, 1997)).

It therefore seems proper now to review the recent cod epoch at Greenland both from fisheries and from biological points of view. Considering that intermediate reviews were made, primarily those by Hansen (1949) on mainly the biological events up to World War II and by Mattox (1973) on the local fisheries development in Greenland up to 1966, the present contribution will focus on that part of the epoch which starts after World War II, although further summary reviews of the pre-war period will also be made when felt pertinent. Special attention will be paid to the Greenland fishery since the mid-1960s. Also the management of the fisheries will be considered and discussed.

Table of each nation's output of the cod fishery at Greenland is supplied (Table 4 and Fig. 2).

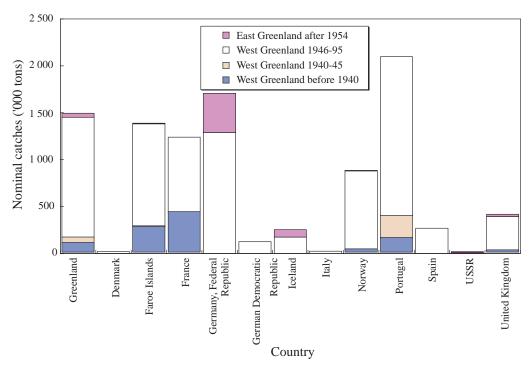


Fig. 2. Various national catches of cod at Greenland 1911–95. (small catches by Canada, Japan, Poland and USA not included).



TABLE 1. Nominal catches (tons) of cod at West Greenland 1911-45 by country and gear. Includes estimates as mentioned in the text. MIS = miscellaneous, OTB = bottom otter trawl, LLS = set long-line, DV = dory vessels (Portugal).

| 19 5 6 6 6 6 6 6 6 6 6 | | MIS | Denmark MIS | Faroe Isl. MIS | Canada LLS | France LLS | Germany OTB | Iceland | Norway LLS | Portugal LLS (DV) | OTB | United Kingdom LLS OTB | ngdom OTB | Total MIS | tal OTB | Grand Total |
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| 5492 42 30364 27807 6975 24000 854 7161 30562 27807 14445 17800 854 8026 16722 26400 35000 12027 38600 2214 13026 47400 13385 49000 2627 14289 45800 177034 402 207107 50 431187 408 50 33747 397476 4841 15392 | 937 | 1969 | 159 | 29081 | | 44169 | 138 | | 2546 | 13200 | | 1003 | | 97119 | 138 | 97257 |
| 7161 30562 14445 17800 8026 16722 26400 8622 35000 12027 38600 2214 47400 13026 49000 2627 14289 45800 | 938 | 5492 | 42 | 30364 | | 27807 | | | 6975 | 24000 | | 854 | | 95534 | 0 | 95534 |
| 8026 16722 26400 8622 35000 12027 38600 2214 13026 47400 13385 45800 177034 402 202102 50 431187 408 50 33747 397476 4841 15392 | 939 | 7161 | | 30562 | | | | | 14445 | 17800 | | | | 89669 | 0 | 9669 |
| 8622 12027 13026 13385 14289 177034 49000 2627 45800 177034 400 45800 45800 177034 177034 187 187 187 187 187 187 187 187 | 940 | 8026 | | 16722 | | | | | | 26400 | | | | 51148 | 0 | 51148 |
| 12027 13026 13385 14289 177034 497 292107 50 431187 408 50 33747 397476 4841 15392 | 941 | 8622 | | | | | | | | 35000 | | | | 43622 | 0 | 43622 |
| 13026 13385 14289 177034 492 292102 50 431187 408 50 33747 397476 4841 15392 | 942 | 12027 | | | | | | | | 38600 | 2214 | | | 50627 | 2214 | 52841 |
| 13385 14289 177034 402 202102 50 431187 408 50 33747 397476 4841 15392 | 943 | 13026 | | | | | | | | 47400 | | | | 60426 | 0 | 60426 |
| 14289 45800 172034 402 202102 50 431187 408 50 33747 307476 4841 15392 | 944 | 13385 | | | | | | | | 49000 | 2627 | | | 62385 | 2627 | 65012 |
| 172034 492 292102 50 431187 408 50 33747 397476 4841 15392 | 945 | 14289 | | | | | | | | 45800 | | | | 68009 | 0 | 68009 |
| 3/1001 TEST 0/11/00 /1/00 00 001 /01101 00 4014/7 4/1 1/00/11 | TOTAL | 172034 | 492 | 292102 | 50 | 431187 | 408 | 50 | 33747 | 397476 | 4841 | 15392 | 7432 1 | 7432 1342530 | 12681 | 12681 1355211 |

TABLE 2. Nominal catches (tons) of cod at West Greenland 1946–95 by country and by gear. Includes estimates as mentioned in the text. MIS = miscellaneous, OTB = bottom otter trawl, GNS = set gillnets, LLS = set long-lines, DV = dory vessels, ("-") = indicates that there may have been some catches by OTB but likely very little and included in MIS.

| 15262 18068 7000 18075 | Faroe Island Canada F MIS OTB OTB MIS | France Germany OTB OTB | Dem.Rep. Ic OTB OTB | Iceland OTB GNS | Italy Japan OTB OTB | Norway MIS | OTB |
|--|--|---|--|---|---|--|---|
| | 18786 16960 14245 18467 17871 27172 24267 16339 25200 23888 37208 25016 20075 200777 20077 | 36000 2750 23976 2688 34055 1475 34121 20828 30461 29082 27194 10537 23720 29910 30379 17413 30379 17413 30523 82524 441409 82224 441409 82224 44348 138502 4657 13921 25165 78560 25165 78560 1139 11344 1139 11344 1139 11344 1139 11344 1139 11344 1139 11344 1139 11344 1139 11344 1139 11344 1139 11344 1139 11344 1139 11344 1139 11344 1139 11344 1139 11344 | 50 1533 164093 64093 18241 3377 9180 607 607 607 607 608 1509 22984 115092 22984 115092 22984 115092 23881 115092 2849 9850 2863 119 2849 115 2849 115 77 | 8 w 8 x - 1 c 3 4 o 8 8 8 w 8 - 1 w w 9 | 1630 2820 2120 2120 2400 2400 2400 1100 1100 1700 32 1251 13 13 13 13 | 500 2299 703 18750 36216 53673 23673 23673 39076 39076 39077 38508 39077 18337 18337 18337 30290 41904 41904 31917 22803 30900 41904 31917 23803 30900 41004 31917 28821 28822 28825 28825 28825 28825 28825 28827 | 2053 300 4368 4368 4368 3301 1709 1709 1709 1709 1709 1709 1709 17 |
| 290058 19273 715873 372987 687 | 372987 | 665682 1287670 | 124895 173858 | 8 633 | 23268 186 | 691101 | 154255 |

TABLE 2. (Continued).

| Country Gear | Poland OTB | Portugal MIS (DV) | ugal OTB | Spain OTB | USSR OTB | TLS | UK OTB | USA | Total MIS | al OTB | Grand Total | Estimates for assessment when differing from grand total | Footnotes |
|-----------------|---------------|----------------------|-------------|--------------|-------------|-----|---------------|-----|--------------|-----------|------------------|--|-----------|
| Year | | 3,5000 | | 000 | | 5 | | | 25985 | 0001 | 2505 | | |
| 1947 | | 37924 | | 1000 | | 93 | 62 | | 80425 | 1062 | 81487 | | |
| 1948 | | 41930 | | 1000 | | 16 | 13942 | | 112741 | 14992 | 127733 | | |
| 1949 | | 52361 | 14201 | 9001 | | 198 | 20640 | | 149892 | 23173 | 7,3065 | | |
| 1951 | | 58033 | 1/71 | 2000 | | 28 | 12965 | | 203586 | 36954 | 240540 | | |
| 1952 | | 51965 | 14468 | 7055 | | 26 | 58372 | | 125580 | 208691 | 334271 | | |
| 1953 | | 57421 | 7975 | 3519 | | | 34351 | | 130152 | 117516 | 247668 | | |
| 1954 | | 70664 | 42835 | 2202 | | | 18859 | | 144985 | 159833 | 304818 | | |
| 1955 | | 60818 | 42882 | 7451 | | | 5044 | | 137025 | 130693 | 267718 | | |
| 1957 | | 74702 | 37080 | 22875 | | | 1603 | | 129225 | 180/43 | 323843 270635 | | |
| 1958 | | 69078 | 43676 | 26995 | | | 9377 | | 147438 | 172483 | 319921 | | |
| 1959 | | 49867 | 16868 | 13723 | 74 | | 12212 | | 125034 | 110208 | 23 5242 | | |
| 1960 | 10 | 58936 | 7313 | 3936 | 1490 | | 11920 | | 142282 | 100554 | 242836 | | |
| 1961 | 484 | 80693 | 10961 | 3400 | | | 8238 16103 | | 203472 | 257186 | 347391 | | |
| 1963 | 273 | 61562 | 1631 | 878 | 5053 | | 26891 | | 161720 | 267035 | 428755 | | |
| 1964 | 92 | 52229 | 985 | 744 | | | 26736 | | 140481 | 209257 | 349738 | | |
| 1965 | 38 | 57946 | 2737 | 059 | | | 13850 | | 158177 | 208540 | 366717 | | |
| 1966 | 799 | 73357 | 2053 | 3573 | 224 | | 19436 | | 178310 | 189896 | 368206 | | |
| 1967 | 623 | 60474 | 2237 | 10664 | 570 | | 19944 | | 159939 | 269540 | 429479 | | |
| 1969 | 354 | 2429 | 14294 | 23780 | 21 | | 542 | 200 | 57868 | 156887 | 214755 | | |
| 1970 | | 2075 | 6632 | 18802 | 849 | | 367 | 278 | 31714 | 81790 | 113504 | | |
| 1971 | | 4990 | 1305 | 22086 | 59 | | 2432 | | 38956 | 82224 | 121180 | | |
| 1972 | | 8485 | | 12951 | 1021 | | 846 | | 44413 | 66204 | 110617 | | |
| 1973 | | 8324 | 7 | 10235 | 120 | | 493 | | 28362 | 34580 | 62942 | | |
| 1974 | | 10081 | 82 | 5897 | 5/6 | | 1266 | | 10020 | 21210 | 48134 | | |
| 1976 | | 2495 | | 2090 | 137 | | 155 | | 13884 | 19402 | 33286 | | |
| 1977 | | 1052 | | | 1086 | | | | 24080 | 13916 | 37996 | 73000 | 1 |
| 1978 | | | | | | | | | 19683 | 18848 | 38531 | 73000 | |
| 1979 | | | | | | | | | 35628 | 12277 | 47905 | 99000 | |
| 1981 | | | | | | | | | 39703 | 13753 | 53456 | 00010 | - |
| 1982 | | | | | | | 1174 | | 26664 | 30342 | 57006 | | |
| 1983 | | | | | | | | | 29991 | 26486 | 56477 | | |
| 1984 | | | | | | | | | 19963 | 13453 | 33416 | | |
| 1986 | | | | | | | | | 5304 | 1299 | 148/6 | | |
| 1987 | | | | | | | | | 14605 | 3970 | 18575 | | 2 |
| 1988 | | | | | | | 927 | | 22836 | 36817 | 59653 | 62653 | 2,3 |
| 1989 | | | | | | | 3780 | | 38529 | 70295 | 108824 | 111565 | 3 |
| 1990 | | | | | | | 1631 | | 29747 | 39214 | 68961 | | |
| 1991 | | | | | | | | | 18312 | 2023 | 20335 | | |
| 1992 | | | | | | | | | 17/5 | 0 0 | 1775 | | |
| 1994 | | | | | | | | | 2115 | 0 0 | 2115 | | |
| 1995 | | | | | | | | | 1710 | 0 | 1710 | | |
| Total | 3534 | 1350920 | 342822 | 268694 | 13444 | 633 | 369548 | 478 | 3925658 | 4092066 | 8006829 | 163441* | |
| | | | | | | | | | | | | | |

The Scientific Council of NAFO considered the actual catches to be much higher than those recorded in ICNAF/NAFO Stat. Bull. and used the estimates listed here for its stock a ssessment.

Figures for Greenland 1987 (MIS and OTB) and 1988 differ from those in Stat. Bull. They are from vessels monthly reports to Greenland authorities. An official correction to NAFO seems never to have worked out.

The ICES Working Group on Cod Stocks off East Greenland considered that some catches (3 000 tons for 1988; 2 741 tons for 1989) reported as taken at East Greenland were, in fact, taken at West Greenland (Div. IF). (Anon., 1989 and 1990, respectively).

Total difference between estimates and reported catches (not sum of estimates). * 357

Nominal catches (tons) of cod at East Greenland 1954-95 by country. (+ Catch less than ½ ton). TABLE 3.

| Footnotes | - 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | |
|--|---|--------|
| Estimates for assessment when differing from total | 18000 26000 34000 12000 16000 27000 9457 | *6290 |
| Total | 4321 5135 10453 10453 10453 10453 10715 19701 17315 23057 33577 17497 17711 17771 20007 26629 11752 6623 3506 2623 11752 6629 11752 6629 11752 6629 11752 6629 11752 6629 11752 6629 11752 6629 11753 8974 11754 1 | 589294 |
| USSR | \$ \$ 3 \$ 3 \$ 3 \$ 3 \$ 4 \$ 3 \$ 12 \$ 127 \$ 126 | 6490 |
| UK | 15 45 45 868 868 868 868 1815 133 27 1383 227 1383 140 28 1514 1514 1514 1514 1514 1514 1514 151 | 25329 |
| Poland | 841 71 71 818 81 | 1614 |
| Norway | 1864 364 337 17 17 17 1030 597 43 43 | 6094 |
| Japan | 9 7 4 7 4 7 7 8 1 1 2 9 8 1 1 8 8 1 | 454 |
| Iceland | 4321 1490 788 1788 4009 5385 2385 2385 2385 2384 4713 804 4713 8473 8471 10474 6723 133 25 13 19 19 19 19 19 19 19 19 19 19 | 79876 |
| German Dem. Rep. | 3 T 8 3 2 6 9 1 8 8 9 1 | 349 |
| many ICES XII | 2465 5154 6254 11091 4334 34 | 31163 |
| Fed. Rep. Germany ICES XIV ICES | 3645 12092 8468 8919 12092 12092 13093 14299 14299 13877 10062 10063 12035 12039 | 387304 |
| Faroe Islands | 543 425 1221 167 652 881 1407 1407 6 292 368 86 86 9 | 7174 |
| Greenland | 37 197 882 607 1199 903 903 903 887 880 627 628 627 1137 881 1347 1347 1476 1051 1061 1061 1061 1078 1083 1083 1083 1084 1076 1077 1083 1083 1084 1084 1087 1087 1088 1088 1088 1088 1088 1088 | 43447 |
| Country | Year 1955 1955 1955 1956 1957 1960 1960 1967 1967 1970 1971 1977 1978 1978 1978 1978 1978 1978 | Total |

Total includes 2 tons by Canada.

Estimates for assessment include estimates of unreported catches (Anon., 1981).

Estimates for assessment include estimates of discards (Anon., 1981b, 1982 and 1983).

Estimates for assessment include estimates of discards (Anon., 1981b, 1982 and 1983).

Estimates for assessment include estimates of discards (Anon., 1981b, 1982 and 1983).

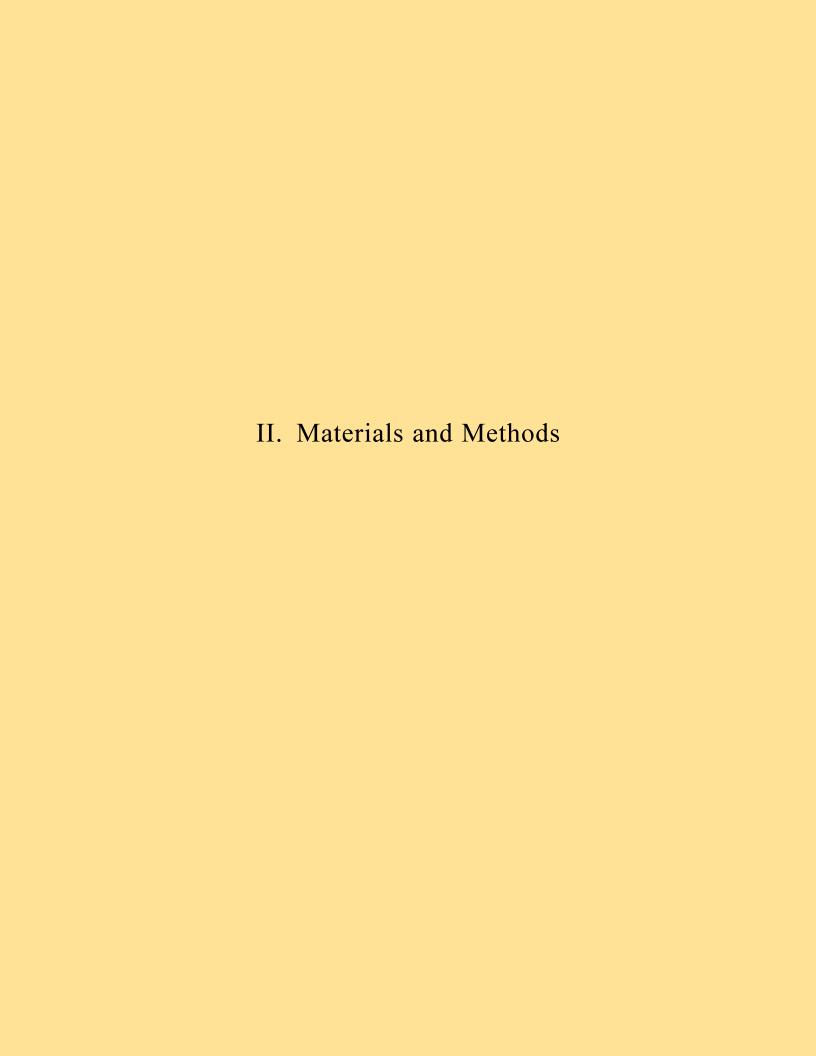
3 000 tons reported tapan were vessels chartered by Greenland are considered caught at West Greenland (Anon, 1989).

2 741 tons reported taken at East Greenland are considered caught at West Greenland, while 1 500 tons caught in other ICES areas are considered caught at Mest Greenland, while 1 500 tons caught in other ICES areas are considered caught at Carenland authorities, see also footnote 4.

Figures for Japan are based upon vessels weekly reports to Greenland authorities, see also footnote 4. -28.48.9E*

TABLE 4. Summarized national catches of cod at Greenland in the 20^{th} century to the end of 1995. Nominal catches ('000 tons). (+ = catch below 500 tons.)

| | | West Greenla | and | | East Greenland | Grand |
|------------------|-------------|--------------|---------|-----------|----------------|-------|
| Country | Before 1940 | 1940–45 | 1945–95 | Sub total | After 1954 | Total |
| Greenland | 103 | 69 | 1279 | 1451 | 43 | 1494 |
| Denmark | + | 0 | 19 | 19 | 0 | 19 |
| Faroe Islands | 275 | 17 | 1089 | 1381 | 7 | 1388 |
| Canada | + | 0 | 1 | 1 | + | 1 |
| France | 431 | 0 | 808 | 1239 | 0 | 1239 |
| Germany, Fed. Re | p. + | 0 | 1288 | 1288 | 418 | 1706 |
| German Dem. Rep |). | | 125 | 125 | + | 125 |
| Iceland | + | 0 | 174 | 174 | 80 | 254 |
| Italy | 0 | 0 | 23 | 23 | 0 | 23 |
| Japan | 0 | 0 | + | + | + | + |
| Norway | 34 | 0 | 845 | 879 | 6 | 885 |
| Poland | 0 | 0 | 4 | 4 | 2 | 6 |
| Portugal | 155 | 247 | 1694 | 2096 | 0 | 2096 |
| Spain | 0 | 0 | 269 | 269 | 0 | 269 |
| USSR | 0 | 0 | 13 | 13 | 6 | 19 |
| United Kingdom | 23 | 0 | 370 | 393 | 25 | 418 |
| USA | 0 | 0 | + | + | 0 | + |
| Total | 1022 | 333 | 8002 | 9357 | 589 | 9946 |



II. Materials and Methods

1. Fisheries Statistics.

Regular annual reporting of Greenland fishery statistics by Greenland's own fisheries started in 1910 immediately after the "*Tjalfe*" expedition. Landing statistics have since then been published in the official annual reports on Greenland, issued under various titles by Danish ministries responsible for the administration of Greenland. Since 1990 this has been done by the Greenland Home Rule authorities. From 1946, the statistics included not only landings but also information on effort (number of fishermen, fishing days, etc.). Catch figures for the period 1911–50 were revised in 1952 due to revision of the conversion factors from products to round fresh weight of fish (Anon., 1952) (see also *ICNAF Second Annual Report*, 1952, page 42).

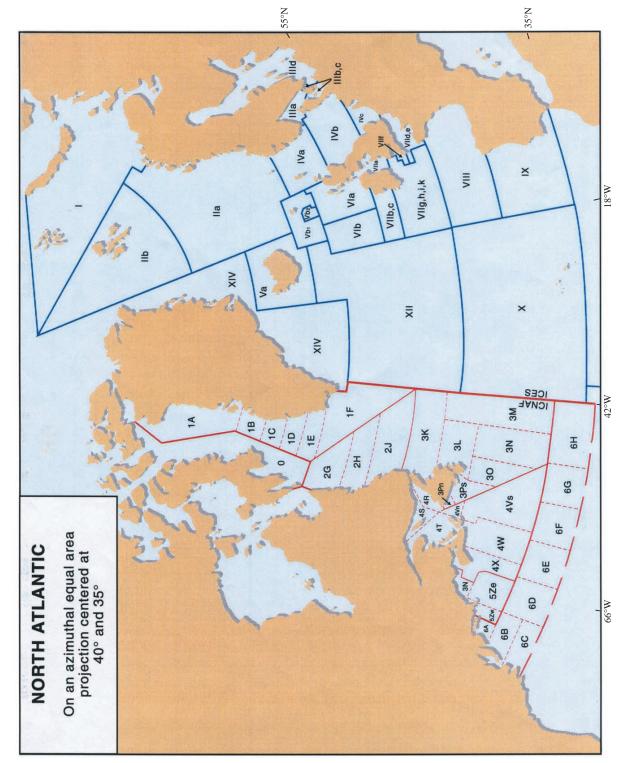
The Greenland fisheries statistics are collected for each "landing place" separately and summed up for each of the old administrative districts separately (see for instance Hansen and Hermann, 1953). To a very great extent the International Commission for the Northwest Atlantic Fisheries (ICNAF)/Northwest Atlantic Fisheries Organization (NAFO) statistical divisions (Fig. 3) introduced in 1952/53 were delimited to correspond with some amalgamation to these districts (see Halliday and Pinhorn, 1990, page 32). Using the Danish names in Hansen and Hermann (1953) Julianehåb District became ICNAF/NAFO Div. 1F, Frederikshåb became Div. 1E, Godthåb became Div. 1D, Sukkertoppen became Div. 1C, Holsteinsborg part of Div. 1B, the other part being Egedesminde, although some minor places of that district became Div. 1A. The Christianshåb District at the borderline between Div. 1B and Div. 1A was counted as Div. 1A together with the rest of the places in Disko Bay and places further north (Uummannaq and Upernavik). Figure 3 shows ICES/ICNAF statistical areas.

Greenland reports of its own fisheries statistics have been traditionally submitted to the International Council for the Exploration of the Sea (ICES) for East Greenland data, to ICNAF/NAFO for West Greenland and to United Nations Food and Agriculture Organization (FAO) for all data.

The international statistics of commercial landings and effort of the fisheries in Greenland waters are based on individual national reporting schemes. Originally they were coordinated and published annually by ICES in its *Bulletin Statistique des Pêches Maritimes (ICES Bull. Stat.*). The Bulletin started in 1903 and data on the fisheries in Greenland waters were included from 1925. Later, from 1951, these data were published by ICNAF and its successor NAFO (from 1979) in the Statistical Bulletin (*ICNAF/NAFO Stat. Bull.*), with the ICNAF and NAFO issues covering fisheries at West Greenland (Statistical Subarea 1). ICES since 1962 has covered only East Greenland (and other ICES areas). Both organizations participate in the worldwide scheme of reporting fisheries statistics set up by FAO in 1955. The relevant publications are hereinafter referred to as ICES Bull. Stat. and ICNAF (or NAFO) Stat. Bull.

Statistical information on the fisheries for cod off East Greenland is found primarily in *ICES Bull. Stat.* For the period 1925–57 these catches in Greenland waters were not broken down further than for the Statistical Areas XIV (East Greenland) and XV (West Greenland) combined. Furthermore, for the years 1934–38 catches at Greenland (Areas XIV plus XV) were combined with those at Newfoundland (Area XX). Only for the years 1958–61 have ICES recorded catches separately for East and West Greenland and since 1962 catches at East Greenland only.

It is thus difficult to achieve catch figures before 1958 for the East Greenland area separately, although the total for Greenland itself is available. For some countries a minimum figure for catches at East Greenland may be achieved by subtracting their West Greenland catch recorded by ICNAF from the total catch at Greenland recorded by ICES. This was tried by the author for the Federal Republic of Germany, Iceland and the United Kingdom but was not always successful (sometimes, negative catches at East Greenland result from this exercise). For certain other nations (Faroe Islands, Norway, Portugal and Spain) catches at East Greenland were considered nil or negligible before 1958. For France, it is known that in some years a small



Map showing North Atlantic fishery statistical areas (from ICNAF Statistical Bulletin of early-1960s). Fig. 3.

the ICNAF area (ICNAF Stat. Bull., Vol. 2, page 16). No attempt has been made here to separate French catches for West from East Greenland.

All catch figures in the above mentioned publications are intended to be nominal catches, which are defined as landings converted to live weight (round, fresh) of the landings. The figures do not, therefore, give the actual removal of fish from the stocks. For instance, they do not incorporate fish discarded at sea (many could be dead or likely to die due to the handling), fish used for consumption on board, recreational fishing, nor fish sold directly on local markets in Greenland. The nominal catch figures will, therefore, usually be minimum figures for the actual catch. A discussion of quantities not included in nominal catches is found in *NAFO SCR Doc.* 94/38 (Horsted, MS 1994), where it was concluded that besides the recorded nominal catch, these other legal catches may have been in the range of 1 000–10 000 tons annually, highest probably in the 1950s and 1960s.

It should also be remembered that conversion of weight of fish products to live weight usually is done by applying established standard conversion factors. However, although nominal catches are recorded by unit metric tons, the actual accuracy is rather by units of hundreds or even thousands of tons, and hence the accuracy in terms of actual catches is substantially less.

In a few cases (e.g. for the years 1977–80) there was strong evidence that some figures published in the statistical bulletins were misleading, and in such cases the NAFO Scientific Council and relevant scientific working groups of ICES have used (usually much higher) estimates of the catches for the assessment of the stocks (see for instance *NAFO Sci. Coun. Rep.*, 1979–80, pages 72–73 and 1981, page 32). Unless otherwise stated such estimates for the total catch are adopted in the present paper.

The author has reviewed the statistical information available in *ICES Bull. Stat.* and *ICNAF/NAFO Stat. Bull.* and in various reports. In quite a number of cases when the statistical information was not informative enough, the author had to estimate the catches in Greenland waters, e.g. when country reports of catch in the ICNAF/NAFO Statistical Area were not broken down to Subareas. In all such cases and in other cases when the author's figures differed from those in the above-mentioned publications, notes on how the estimates were arrived at are given. To incorporate these notes directly in the present publication would, however, make the publication very lengthy. It has, therefore, been decided to present basic tables and comments as a NAFO Scientific Council Research Document (Horsted, MS 1994). The basic tables and comments in that document are given country by country in alphabetical order. Only some of those tables are reproduced here, updated to include years up to 1995 and with a few minor revisions

When analyzing the spatial and temporal distribution of the fisheries the catch figures as they occur in the *ICNAF/NAFO Stat. Bull.* and *ICES Bull. Stat.* was usually used, but not all catches recorded there are broken down by Division or month. Unless otherwise stated, only catches specified by place and/or time are used in those analyses.

The section on vessels and their effort is based upon information in ICNAF/NAFO "List of Fishing vessels over 50 GRT..." issued as meeting documents and/or publication every three years starting with the fishing year 1952/53. Since 1982, the vessel reports to Greenland authorities (The Fishing Licensing Office) of their activity have also been used.

2. Revision of Catch Statistics Due to Changes of Conversion Factors

One of the more general considerations in the use of conversion factors to achieve live weight of landed products should be mentioned here.

Few, if any, catches of cod from Greenland waters are landed as round fresh fish, and although some vessels record a qualified estimate or even a measured weight of their catch as round fresh fish in their logbooks, most catches are weighed as the landed product, e.g. gutted with or without head, fillets, salted fish. Hence

conversion factors are needed to convert landed weight to equivalent round, fresh weight on which international statistics are based.

Whatever state of fish are in the landings, the true conversion factors are bound to vary; for instance between seasons, due to seasonal variation in condition factor of the fish and between size categories of fish. For practical reasons it is, however, necessary to simplify the conversion by using a standard average factor for each category of product landed. In reports to ICNAF/NAFO, each country has usually been requested to report its catch as round fresh weight, i.e. conversion is to be made by the reporting country. Conversion factors used by the countries were listed annually in *ICNAF Stat. Bull.* through the 1950s and 1960s. FAO (1971) in its *Bulletin of Fisheries Statistics* Vol. 25 for 1970 has a comprehensive list of conversion factors to which ICNAF and NAFO have since referred. Recent attempts by FAO to update this list (see *NAFO Sci. Coun. Rep.*, 1995, page 132) have not been taken into account in the present paper.

ICNAF also made attempts to standardize between countries some of the important conversion factors, e.g. from salted cod to round fresh weight. At its June 1955 Annual Meeting, the Commission adopted with effect from 1954 two factors for cod for converting from green salted wet fish to round fresh weight; one for European landings of 3.0 and one for Canadian landings of 2.7. However, these factors were considered tentative and no official revision of back statistics was made at that time. In fact, such a revision seems never to have been officially published except for the year 1953 (ICNAF Stat. Bull., Vol. 4, page 8).

For most European countries the factor of 3.0 was a change from factors of 2.25 (Iceland), 2.4 (Norway), 2.5 (the Faroe Islands, France, Portugal and Spain) and 3.25 (Italy) (*ICNAF Stat. Bull.*, Vol. 2 and 3). In fact, the ICNAF Working Group of Scientists on Fishery Assessment in Relation to Regulation Problems hereinafter referred to as the ICNAF Assess. Work. Group 1961 and its report as the Assessment Report (Beverton and Hodder eds., 1962) took the consequence of this shift in conversion factors and revised catches prior to 1954 accordingly (see the unpublished Appendix to the report, ICNAF Serial No. 932, Dec. 1961, notes to Table 4.1 (Anon., MS 1961) extracts of which are also appended to *NAFO SCR Doc.* 94/38).

The author of the present contribution has also considered that the factors introduced in 1954 should be used for years prior to that, when salted fish was the product for most fleets fishing at Greenland.

Other revisions of officially published catch figures may also be required. For instance, Portuguese figures for catches of cod listed in *ICES Bull. Stat.* until 1952 (incl.) were thought to be round fresh weight, but an easily overlooked footnote in Bull. Stat. for 1953 states that previous figures for Portugal were in fact for salted fish. When such special needs for revision occur they are mentioned in the review of the fishery by the relevant country in *NAFO SCR Doc.* 94/38 (Horsted, MS 1994).

III. Fleets and Activity of Nations in Cod Fisheries at Greenland

III. Fleets and Activity of Nations in Cod Fisheries at Greenland

Horsted (MS 1994) presented a review of catch statistics by nations, which participated in the cod fisheries in Greenland waters in this century. The first draft of the review paper was distributed in April 1993 to national representatives of the NAFO Scientific Council requesting comments and advice on the appropriate sections of the country-by-country catch statistics. Responses were received during 1993 and 1994 from most of the countries addressed (see Acknowledgements). Although not all responses resolved the questions raised for the country in question, most of them identified the need for substantial revision. The review paper (Horsted, MS 1994) incorporated these changes, especially in the text and in several cases the published catch statistics were amended.

It is not the author's intention here to repeat that review, but it would be of interest to briefly consider each participating nation's fleet and general activity. This is done here country by country in alphabetical order. Not all references from Horsted (MS 1994) are repeated here, and readers are referred to Tables 1–3 for amended catch statistics, which are presented in this review by country.

CANADA: Schooners from Newfoundland had an insignificant dory fishery in 1931, which resulted in 50 tons listed under miscellaneous vessels. Three trawlers from Newfoundland landed 679 tons in 1952 and a new stern trawler landed 8 tons in 1968. Two tons are recorded from East Greenland in 1976. Otherwise there was no Canadian cod fishery at Greenland.

DENMARK: Danish activity in cod fishing at Greenland has been very low. In 1925, and in 1929–30, a few long-liners produced less than 200 tons altogether. During 1936–38, a few schooners altogether fish more then 300 tons. There was no fishing activity in 1939–47. During 1948–51 Danish fishermen tried various gear from cutters, introducing with some success the pound net in inshore Greenland waters. Altogether about 20 000 tons were fished in those years. There has been no Danish cod fishing in Greenland waters since then.

FAROE ISLANDS: Experimental fishing carried out in 1906 and 1914 was without success as far as cod was concerned. Commercial cod fishing at Greenland started in 1925 and was up to 1977 an important component of the international fisheries at Greenland and of the Faroese economy. From 1926, Faroese vessels were offered harbour facilities, first at Ravns Storø, thereafter at Færingehavn south of Nuuk. From 1937, that harbour was also open to other foreign fishing vessels. Until 1940, the Faroese catches were taken by long-liners mainly, if not solely. There was no fishing activity at Greenland 1941–45. From 1948 or probably earlier trawlers also participated, but since 1969 the catch has again been mainly by long-liners. Bottom gillnets came into operation in 1969. Since 1935, the Faroese have been allowed to operate outside the skerries from a couple of stations at the West Greenland coast, using small boats and mainly hand lines. The introduction of the *snelle* in the 1950s was a great improvement for the hand line fishing (see Templeman, 1969). Except for the year 1983, landings after 1977 have been nil or negligible (e.g. 38 tons in 1979), apparently because the Faroese as a non-member of the EEC/EU have not got a quota.

An important component of the Faroese fishery at Greenland since 1935 has been the small land-based boats mentioned above. The most important basis for this fishing became Ravns Storø and Færingehavn. Apart from the period during World War II, this seasonal fishing took place from 1935 until 1972. The ICNAF List of Vessels (ICNAF, 1955), issued for the first time as a document for the 1955 Annual Meeting, shows that 57 small land-based boats participated in 1954 with a total of 224 fishermen involved. Lists of Faroese vessels of various types fishing in Greenland waters 1967–72, kindly supplied by Faroese fishing authorities in Tòrshavn

(Fiskivinnustovan and Hagdeildin) show the following numbers of small land-based boats and men participating in the fishery at Greenland:

| Year | Boats | Men |
|------|-------|-----|
| 1954 | 57 | 224 |
| 1967 | 75 | 309 |
| 1968 | 85 | 368 |
| 1969 | 43 | 168 |
| 1970 | 21 | 84 |
| 1971 | 7 | 29 |
| 1972 | 4 | 18 |

The same sources of information give the following number and crew for larger vessels:

| | Hand | liners | Long | liners | Bottom | gillnets | Traw | lers | Tota | al |
|------|-------|--------|-------|--------|--------|----------|-------|------|-------|-------|
| Year | Boats | Men | Boats | Men | Boats | Men | Boats | Men | Boats | Men |
| 1954 | 5 | 121 | 29 | 543 | 0 | 0 | 10 | 274 | 44 | 938 |
| 1967 | 44 | 981 | 36 | 868 | 0 | 0 | 10 | 398 | 90 | 2 244 |
| 1968 | 23 | 500 | 33 | 767 | 0 | 0 | 11 | 454 | 67 | 1 721 |
| 1969 | 11 | 256 | 29 | 535 | 18 | 439 | 12 | 256 | 70 | 1 756 |
| 1970 | 3 | 52 | 8 | 120 | 14 | 284 | 0 | 0 | 25 | 456 |
| 1971 | 2 | 32 | 6 | 75 | 4 | 80 | 9 | 392 | 21 | 579 |
| 1972 | 2 | 38 | 15 | 252 | 0 | 0 | 8 | 359 | 25 | 749 |

The larger vessels consisted of wooden liners and steel trawlers. Some of the oldest liners also functioned as mother vessels to dories. Of the 56 large liners used in 1968 (according to the *ICNAF List of Vessels*) five were built before or during World War II, the oldest being a dory vessel from 1898. The rest were built around 1960. Most of the vessels also fished around Newfoundland.

Catches at East Greenland (i.e. after 1958) have been relatively small (altogether a little more than 7 000 tons). There was some fishing during the early 1970s with little fishing after 1977 (Table 3).

Altogether the Faroese output of the cod fishery at Greenland amounts to about 1.4 million tons, slightly less than the figure for Greenland itself, and placing the Faroese at number four on the list of nations which have exploited the resource (Table 4 and Fig. 2).

GREENLAND: Greenland as the coastal nation quite naturally has the longest history of cod catches, starting in 1911 and with no break thereafter. To this should be incorporated a non-registered catch for local consumption. The entire fishery was a small-boat fishery up to 1966 when four larger long-liners were introduced to fish offshore. They operated until 1970, when they were phased out. The first large stern trawler started fishing offshore in 1968, and several other stern trawlers owned and run by the government, since 1985 by the Greenland Home Rule companies, have since then been added to the fleet. Also a number of privately owned trawlers participated in the fishery, although now they mainly operate in the fisheries for shrimp.

The first record of commercial catch of cod by Greenland at East Greenland is from 1956, but there was some fishing for local consumption before then. Japanese trawlers were chartered to fish cod at East Greenland in 1986 and 1987 (Table 3).

Historically all inhabited places in Greenland have been right at the sea coast, and with no roads (except winter ice) between cities and settlements. Boats were essential for transport and communication, and for the

exploitation of the living resources of the sea. The Greenland fishing fleet before World War II consisted mainly of rowing boats and small motorboats (even kayaks were used). The Greenland statistics list number of boats for each settlement. Hansen and Hermann (1953, Fig. 38) graphically presents the total number of rowing boats during 1880–1952. The number increased rather steadily from about 150 by 1900 to about 1950 by 1950 with the highest rate of increase during 1925–30. Motorboats numbered less than 100 until the end of World War II, thereafter increased rapidly to about 400 by 1952. Although nearly all of them were in the cod fishing districts not all may have been fully active in cod fishing. But these were what the Greenlanders had at their disposal at that time.

The number of rowing boats used for regular fishing decreased after 1950 (2 092 boats that year) to about 1 300 in 1955 and about 1 200 by 1960. Thereafter it is not clear how many of the boats could be counted as part of the fishing fleet. Since an increasing proportion was being used for recreational purposes, there may have been less than 500 fishing commercially and regularly.

The number of motorboats fishing was reported as 364 by 1950, 272 of them were less than 22 feet long and 92 were larger. By 1955 the figures were 283 below 22 feet and 199 were larger. The development towards more motor vessels and especially towards larger vessels has continued since then. The Danish Ministry of Fisheries publishes an annual list of registered fishing vessels in the Danish Kingdom (includes the Faroe Islands and Greenland). From this the following numbers of vessels in the Greenland fishing fleet by tonnage class were obtained (grouping by size categories differs somewhat between years). The figures for 1970 are from the Royal Greenland Trade Department and include registered boats below 5 GRT not included in the annual lists mentioned.

| | | Vess | el tonnage class | s (GRT) | | |
|------|----------|------|------------------|---------|---------|-----------|
| Year | Below 5 | 5–24 | 25–49 | 50–99 | 100–499 | above 500 |
| 1970 | 3 | 251 | 23 | 6 | 7 | 0 |
| 1975 | no info. | 253 | 20 | 12 | 7 | 6 |
| 1980 | _ | 267 | 22 | 12 | 21 | 6 |
| 1985 | _ | 341 | 22 | 12 | 23 | 22 |

For 1990 the grouping was somewhat changed:

| Year | Below 5 | 5–19 | 20–49 | 50-79 | 80–149 | above 150 |
|------|----------|------|-------|-------|--------|-----------|
| 1990 | no info. | 342 | 36 | 19 | 11 | 60 |

Whereas most vessels below 5 GRT registered as fishing vessel may have participated in the cod fisheries or mixed fisheries (wolffish, redfish, halibut, salmon), a good many of those between 15 and 49 tons were side trawlers specializing in shrimp fishing inshore. Also the increase in number of vessels in size classes above the 50 GRT reflects interest in shrimp fishing both inshore and offshore, rather than cod fishing. Many of the small and medium sized vessels (below 80 GRT) were also used for salmon fishing in autumn in the late-1960s and 1970s.

Since 1968, Greenland has had a steadily growing fleet of large trawlers enabling Greenland to compete with other nations in the offshore fishing throughout the year not only in Greenland waters but also in more distant waters, e.g. on Flemish Cap and in the Barents Sea. The large Greenland trawlers owned first by the State, later by the Greenland Home Rule, have, however, not had their own choice of fishing. They have been changing between cod and shrimp fishing, based on effort by management trying to take into account not only vessels' economy, but also that of the individual fish plants and social problems of the various Greenland

communities. One could say that the large Greenland trawlers came too late to benefit from the good part of the cod epoch. However, as seen from Tables 2 and 3 their contribution to the total Greenland catch of cod has been rather substantial. In 1989, for instance, 57 000 tons out of a total catch of 96 000 tons (including East Greenland) were taken by the trawlers – the highest annual Greenland catch of cod ever.

Greenland had a total output of the cod of about 1.5 million tons plus a non-registered catch directly for local consumption. This registered total catch is exceeded only by those of Germany and Portugal (Table 4, Fig. 2).

FRANCE: France has a long tradition of cod fishing in the Northwest Atlantic. Statistics dating back to 1874 were submitted to ICNAF (Second Annual Report, 1952). Only vessels from the mainland have fished in Greenland waters.

Fishing at West Greenland started in 1926 with two dory schooners. There was no French fishing there during 1939–45. Dories were phased out during 1947–51. Fishing thereafter has been by trawlers, and until 1962 by side trawlers only. In 1962, 30 such French side trawlers operated at Greenland, 28 of them were of the 901–1 800 GRT class, 2 larger than 1800 GRT. Nearly all were built in the first ten years after World War II. They also operated in ICNAF Subareas 2–4.

In 1965, a new stern trawler (1798 GRT) joined the fleet, now a total of 28 vessels, and in 1968 four vessels out of the 30 fishing at Greenland were large stern trawlers. Otherwise the French trawler fleet did not change much during the 1960s. In 1971, only seven out of a fleet of 29 trawlers operating in the Northwest Atlantic fished at West Greenland with a catch of 4 100 tons, and these were all side trawlers built around 1950.

Apart from negligible catches in 1973 and 1979, the year 1972 could be considered the last year of French cod fishing at West Greenland, with a catch that year of 5 515 tons.

There is no record of French fishing at East Greenland in the ICNAF or ICES statistics except that a note in *ICNAF Stat. Bull.*, Vol. 2, page 16 states that "part of the French catch registered as taken in the Northwest Atlantic before 1958 was taken just east of Cape Farewell".

The total French catch of cod from West Greenland waters amounted to about 400 000 tons before World War II and double thereafter. This total is slightly less than that registered by Greenland and the Faroe Islands but well below that of Germany and Portugal, making France number five on the list of nations exploiting the resource (Table 4, Fig. 2).

THE FEDERAL REPUBLIC OF GERMANY (FRG): FRG had virtually no fishing at Greenland before World War II, but rapidly built up a fleet of modern high seas trawlers in the 1950s. For 1956, the first year in which *ICNAF List of Vessels* contains a list for Germany, 66 trawlers of 501–900 GRT class built in the years 1949–56 are listed. All recorded one or more (up to four) trips to Div. 1D and five of them also to Div. 1F.

In 1959, 78 FRG trawlers of the 501–900 GRT class fished at West Greenland. In 1962 as many as 84 were engaged there, of which 26 were of the 901–1800 GRT class. In 1965, 79 trawlers participated in the fishery, six of them built in 1964 and 1965 at a size of above 1800 GRT (up to 2 555 GRT). Most of the fleet was equipped with Diesel motors with Brake Horse Power (BHP) from about 1 000 to 3 200 in the large new ones. After 1965 the number of FRG fishing vessels at Greenland gradually declined to 73 in 1968 and to 42 in 1971 (9 side trawlers and 33 stern trawlers).

In 1974, in spite of 32 vessels fishing in the Northwest Atlantic, only five reported fishing at West Greenland, while 30 reported fishing farther westward at Labrador (Subarea 2). Of the five at West Greenland one was as large as 3 577 GRT with 5000 BHP Diesel engine, built in 1973.

In 1977, all 37 trawlers fishing in the Northwest Atlantic visited Greenland waters. Only three of them were built before 1960. In 1980, 31 trawlers fished in the Northwest Atlantic, all with activity in Greenland waters, only one dating before 1960 while 14 were younger than ten years.

In 1983 the number was 21 vessels visiting Greenland waters, 13 of them larger than 1 800 GRT (up to 3 577 GRT), 6 just above 900 GRT and 2 in the 501–900 GRT class, all built in the period 1960–70s.

In 1986 and 1989 only two FRG trawlers fished in the Northwest Atlantic, including Greenland waters. The catch in 1989 was relatively good, but the small catches thereafter could indicate less activity.

At East Greenland the Federal Republic of Germany had been by far the most active nation of those exploiting the cod stock. They fished there throughout the period 1955–95 with catches recorded separately for East Greenland since 1958 in the *ICES Bull. Stat.* Catches reported for ICES Subarea XII (further to the Southeast) for the years 1978–84 were considered by the ICES Working Group on Cod Stocks off East Greenland (Anon., 1987) to have been taken in ICES Subarea XIV and are, therefore, included in Table 3.

Until the mid-1970s cod catches at West Greenland by FRG greatly exceeded those from East Greenland. Thereafter the two areas yielded catches of cod of about the same magnitude with East Greenland clearly dominating in the years 1989–95.

The vessels used at East Greenland were the same as those used at West Greenland. In 1989, the Greenland licensing office noted a participation of 12 different trawlers fishing at East Greenland. At East Greenland redfish has been a significant by-catch or even prime target species in the mixed FRG fishery.

The total catch of cod taken by the FRG in Greenland waters between 1952 and 1995 (inclusive) amounted to about 1.7 million tons (400 tons were recorded before 1939). The Federal Republic of Germany thereby ranks as second on the list of national catches of the cod at Greenland (Table 4 and Fig. 2) after Portugal. However, looking only at the post-war period, FRG would be the leader closely followed by Portugal (Tables 2 and 4, and Fig. 2). The same would be the case if total catches included species other than cod (primarily redfish).

THE GERMAN DEMOCRATIC REPUBLIC (GDR): GDR had a short history of cod fishing at Greenland only during 1958–72. For some of the years catches in the Northwest Atlantic were not reported separately by statistical areas, but the fraction taken at Greenland may be judged from observations in other years. Not being a member of the European Union (until being integrated with the Federal Republic of Germany in 1991) the GDR stopped fishing at West Greenland in 1972, when fishing zones were expanded.

Not being a member of ICNAF until 1974, the GDR was not included in the *ICNAF List of Vessels* until that year. *ICNAF Stat. Bull.* had no catch recorded by the GDR at West Greenland for 1973. However, the List of Vessels indicates that of the 64 trawlers from the GDR fishing in the Northwest Atlantic, 14 had activity at West Greenland. Most of these trawlers were of the 601–900 and 901–1800 GRT classes, but also larger vessels listed as factory trawlers or auxiliary vessels were recorded. All were built between 1950 and 1971 and all were Diesel powered. The listed home-port was Rostock.

The author could not resolve the question why the GDR showed no catch figures for cod for Subarea 1 for 1974, and that 3 409 tons of other groundfish, other than cod, redfish and flatfishes were recorded, while the list of vessels indicated significant activity there. The author has chosen to let the ICNAF Stat. Bull. be considered as correct, although one could well suspect that "other groundfish" may have been cod or at least included some.

ICELAND: Although a neighbour to Greenland, Iceland did not participate in the cod fisheries at West Greenland until 1936 by a long-liner with poor result. No further fishing experiments were carried out there until 1948 when a trawler operated. A trawler operated again in 1949 together with some long-liners. From

1951 to 1967, except for a total catch of 64 000 tons in 1952, the annual catch never exceeded 20 000 tons. The latest catch at West Greenland was about 100 tons for 1968 and 1969 by bottom gillnets.

For 1954, the *ICNAF List of Vessels* contains 23 vessels of 600 – about 700 GRT, probably all trawlers (10 of them were registered as trawler in the list for 1956, and 16 trawlers of the same size and age (built 1947–51) were listed as having fished in Subarea 1). In 1959, 24 out of 41 vessels fishing in the Northwest Atlantic were active at West Greenland (no noteworthy change from 1956). In 1962, two out of 12 vessels, and in 1965, 8 out of 13 vessels (now including 2 above 900 GRT, built in 1960) fished at Greenland. In 1968 only one vessel out of three operating in the Northwest Atlantic operated at West Greenland, using bottom gillnets.

The series of Icelandic catches are longer for East Greenland than for West Greenland, viz. 1954–76 with catches of up to 10 000 tons and with sporadic catches below 100 tons in some of the years thereafter. The vessels were most likely all trawlers since redfish was the major target species.

ITALY: Italy has shown little interest in fishing for cod in the Northwest Atlantic. Catch figures for cod were reported for 1938–40 but none of them are thought to be from Greenland waters. However, for the years 1950 to 1960 and for 1965 catches of cod were reported. Except for the years 1958, 1960 and 1965 when catches in Subarea 1 were specified, catches are given for the ICNAF Convention Area as a whole or for two or more Subareas combined. Thus catches listed as taken at West Greenland in other years (Table 2) are qualified estimates rather than directly reported figures.

There are no records of Italian fishing at East Greenland.

Vessels used were 1–3 of the large *Genepesca* trawlers (1 200 – about 1 600 GRT), built in 1947–50 and 3 built in 1953. 1953 was the best year for catches with 4 000–5 000 tons recorded. Probably not more than one vessel operated at Greenland in the other years.

JAPAN: Japan has had only negligible catches of cod in Greenland waters, apparently as by-catch in fisheries for redfish and Greenland halibut with trawlers chartered by Greenland or with the research and scouting vessel *Shinkai Maru* (3 395 GRT) in search for deep water resources at West as well as at East Greenland (Jørgensen, 1998). The catches at East Greenland (1986–91) were only marginally higher than those at West Greenland.

NORWAY: Norway has had a long tradition for fishing at Greenland, starting at West Greenland in 1924 although with Atlantic halibut as the target species (Hjort and Ruud, 1929). Halibut has remained of interest to Norway, especially for the long-liners. Only since 1950 were catches in the Northwest Atlantic reported separately for trawlers and long-liners. Catches prior to 1950 are here regarded as taken solely by long-liners. There is a nearly unbroken series of catch data from 1924 to 1978 (no fishing at Greenland 1940–45). The small catches (below 10 tons) listed since 1984 are by-catches in the fishery for shrimp.

Catches by long-liners were considerably higher than those by trawlers until 1967 inclusive. Thereafter the two fishing methods have varied much in relative importance. In several cases all or part of the catch by long-liners was not broken down by ICNAF Subareas. In such cases the author has allocated part of the catch to Subarea 1.

In 1953, 59 Norwegian vessels were fishing in the Northwest Atlantic. Most, if not all, were likely to have had their main activity at West Greenland. Three of them seem from their size (567–617 GRT) to have been trawlers, the remainder liners, mostly long-liners, 6 of the 51–150 GRT class and 50 of the 151–500 GRT class.

In 1956, 71 long-liners and 2 trawlers were fishing at Greenland. The long-liners were generally old vessels, the oldest dating back to 1885, with only 19 of them built after World War II.

In 1959, 52 liners and 2 trawlers were fishing at Greenland. In 1962, 46 liners (151–500 GRT class); in 1965, 18 liners and 2 trawlers; and in 1968, 35 long-liners and 7 trawlers were fishing at Greenland.

The Norwegian activity at Greenland thus fluctuated quite a bit in the 1950s and 1960s as also indicated by the annual catches (Table 2). Thereafter the Norwegian cod fishing activity at Greenland decreased rapidly. There seems to have been no trawlers fishing cod in 1970, and in 1971 only one trawler and four long-liners were fishing, with the long-liners also using drift gillnets, likely for salmon rather than for cod. For 1974 the ICNAF List of Vessels records 21 trawlers and 9 long-liners. However, since ICNAF Stat. Bull. indicated that only 411 tons of cod were caught by trawlers a good part of the 21 trawlers were likely fishing shrimp rather than cod. Since then there were no trawl caught cod reported by Norway, and cod catches by long-liners were negligible after 1977, when only 6 long-liners were fishing.

Norway's total output of cod fishing at Greenland was close to 900 000 tons (Table 4, Fig. 2).

POLAND: Poland had the only records of catches of cod at Greenland from 1960 and 1962–69 when small amounts (below 900 tons annually) were taken. The best year, 1968, when 861 tons were taken by large trawlers (about 2 800 GRT), the *ICNAF List of Vessels* indicated that 22 vessels participated in the fishery at Greenland. The *ICNAF Stat. Bull.*, however, indicates only 62 days on ground with 45 fishing days. Thus, there seems to have been just short trips to the area, probably on the way to (or from) Subareas 2 and 3 where Poland had much higher activity and catches. The Polish fleet fishing in the Northwest Atlantic that year amounted to 84 trawlers.

PORTUGAL: Like France, Portugal has a long tradition for fishing cod in the Northwest Atlantic, specifically off Newfoundland but also during the good part of the cod epoch at Greenland. The traditional fishing was by long-lines and/or handlines from dories. Trawlers were introduced in 1936 (*ICNAF Stat. Bull.*, Vol. 2, page 18).

Hansen and Hermann (1953) state that Portuguese fishing at Greenland started in 1913. *ICES Bull. Stat.*, which started to include fisheries at Greenland and Newfoundland in 1925, however, does not list any Portuguese catches there until 1932, and figures published up to 1951 are for Greenland and Newfoundland combined. It has, therefore been complicated to arrive at a reasonably qualified estimate of the proportion of the catch taken at Greenland (see Horsted, MS 1994).

Portugal does not seem to have been fishing at East Greenland.

By 1953 the Portuguese dory fleet fishing in the Northwest Atlantic consisted of 45 mother vessels 44 of which seem to have been stationed at West Greenland during part of the season. The trawler fleet consisted of 22 side trawlers of 200–1 700 GRT and 900–1 200 BHP. They were probably not all visiting Greenland that year since the trawlers catches were only 8 000 tons as compared to 14 000 in 1952 and 42 000 in 1954.

The dory fleet fishing at Greenland increased slightly through the 1950s. In 1956, there were 49 and in 1959, 48 mother vessels. Also the total tonnage and number of dories carried increased. The average number of dories per mother vessel was 51 by 1935, 55 by 1956 and 61 by 1959. In 1959, one of the vessels carried 10 motor-dories manned with more men than the traditional one-man dory. The number of trawlers remained constant throughout at 22.

By 1962, the number of dories had fallen relating to a decrease in mother vessels to 35 although the mean capacity was 64 dories. The number of trawlers had risen to 30 by 1962. The number of dory mother vessels remained at 30 in 1965 and 1968, while number of trawlers fluctuated much: 14 in 1965, 33 in 1968. Thereafter both fleets decreased rapidly. By 1971 only 8 trawlers participated, thereafter virtually none. The number of mother vessels fell to 8 by 1971 plus 3 with motor-dories fishing with bottom gillnets. In 1974 two and in 1977 four vessels with motor-dories fished by bottom gillnets, but thereafter Portuguese fishing activity at Greenland stopped.

Portugal has had a total output of about 2.1 million tons from its cod fishery at Greenland, the largest on the list (Table 4 and Fig. 2).

SPAIN: Like Portugal and France, Spain also had a long tradition for fishing cod in the Northwest Atlantic. Catch statistics have been reported since 1927 (*ICNAF Stat. Bull.*, Vol. 3, page 15). At Greenland, only trawlers, mainly single otter trawlers were used until 1968 when one otter trawler and 87 pair trawlers were reported fishing there. Since then only pair trawlers have been reported (in the *ICNAF List of Vessels*) fishing at Greenland.

A few Spanish trawlers fished at Greenland in the 1930s (Hansen and Hermann, 1953). Only since 1952 have Spanish catches in the Northwest Atlantic been specified by Subareas in the *ICNAF Statistical Bulletin*. However, fishing at Greenland probably occurred right after World War II although with less activity than in other parts of the Northwest Atlantic. Estimates of 1 000 tons landed were set for the years 1946–50, 2 000 tons for 1951 (Table 2). There has been no Spanish cod fishing at Greenland after 1976.

There are no records of Spanish fishing at East Greenland.

In 1953, Spain had 25 otter trawlers operating in the Northwest Atlantic, 23 of them in the 901–1 800 GRT class, 2 in the 151–500 GRT class, but not all of them are likely to have been fishing at Greenland. The list for 1956 has 18 otter trawlers and 2 pair trawlers fishing at Greenland. In 1959 and 1962, 25 and 24 otter trawlers, respectively, fished there. Most were built in the 1940s and 1950s. Thereafter there was a low activity period 1963–67 with only 6 trawlers operating in 1965 (catch 650 tons). For 1968 only one otter trawler was reported fishing at Greenland but 87 pair trawlers were there (pair trawlers counted as individual vessels). In 1971 and 1974 44 and 34 pair trawlers, respectively, were operating at Greenland, but there has been no activity since 1976.

UNION OF SOVIET SOCIALISTIC REPUBLICS (USSR): USSR until 1959 had no ICNAF or ICES records of fishing at Greenland, and none since 1977. Generally speaking, the activity in cod fishing has been very low at West Greenland as well as at East Greenland. In the latter area catches of cod are recorded for some of the years during 1963–77 and in 1992.

It is difficult to assess the USSR fishing from information in the *ICNAF List of Vessels* where no vessels fishing at Greenland were recorded until 1965 (one trawler, but no catch of cod was registered in ICNAF Stat. Bull.). In 1968, 11 trawlers were recorded, but since only 670 tons of cod were recorded this number of vessels may include some fishing for shrimp or fish other than cod. In 1971, 1974 and 1977, 7, 27 and 12 USSR trawlers, respectively, were recorded fishing at Greenland, but it is difficult to judge how many of them, if any, were fishing directly for cod. Thereafter no USSR cod fishing activity was recorded at Greenland.

The USSR vessels have also exploited redfish at Greenland. The cod/redfish ratio fluctuates much between years but in some years the quantities of redfish landed exceeded that of cod considerably. For instance in 1975 and 1976, close to 4 000 tons and 6 000 tons of redfish with only 214 and 137 tons of cod, were reported respectively. At East Greenland the USSR had also fished redfish, but the fishery was stopped by regulations (closed areas) when the fish size was found too small.

THE UNITED KINGDOM (UK): UK fisheries statistics for cod at Greenland are available from different sources, and annual figures differ between these (see Horsted, MS 1994). In general, the UK was amongst the first nations participating in the fisheries at Greenland, although in the beginning (from 1924) it was a fishery by long-lines for Atlantic halibut with a by-catch of cod rather than a directed cod fishery.

The first UK trawlers were at Greenland in 1935. Long-line fishing was phased out after World War II (there was no fishing during 1939–45), and trawlers have dominated since 1948. The target species for the trawlers was cod with redfish as the major by-catch.

Catches of cod were above 10 000 tons in most years during 1948–68, with a period of low catches during 1955–58 and a record high of 55 000 tons in 1962. Fishing activity and catches fell after 1968 to a level below 4 000 tons annually, and has been sporadic since 1976 with few thousand tons.

The UK has had a tradition of fishing in the Cape Farewell area, and already in the 1920s part of the catches was likely taken in waters east of the Cape. However, only since 1958 does the ICES statistics give figures for East Greenland separately. Catches at East Greenland before then were incorporated in figures for West Greenland. Annual catches recorded for East Greenland have seldom approached 2 000 tons during 1958–78. There are no records of cod fishing there during 1979–88, while for 1989–92 between 1 300 and 5 500 tons was reported with a few hundred tons annually thereafter.

Until the mid-1930s the UK fleet fishing at Greenland consisted of long-liners only. Some of them were again fishing right after the World War II until 1952, but only trawlers have operated thereafter. In 1953, 95 steam trawlers of the 501–900 GRT class participated. In 1956, only 8 were listed, fishing in Div. 1F. In 1959, 31 trawlers were listed, 33 in 1962 and 50 in 1965. In 1968, 25 trawlers were listed of which 14 were stern trawlers. In 1971 and 1974, only 14 trawlers were listed, all diesel powered and the oldest was built in 1957.

The UK like FGR have made use of redfish in the catches and their fishery may at least sometimes be characterized as a mixed fishery. Landings of redfish have, however, generally been modest (below 1 000 tons annually) at West Greenland.

The overall total UK catch of cod at Greenland is about 418 000 tons (Table 4).

THE UNITED STATES OF AMERICA (USA): USA had records of cod fishing only at West Greenland, and that was in 1969 and 1970 when altogether 478 tons were caught.

IN GENERAL: Table 5 illustrates the activity as judged by the number of vessels (over 50 GRT) participating in the cod fishery at West Greenland since 1953. It shows that the number of vessels was rather stable between 300 and 400 different vessels from the early-1950s to the mid-1960s. It seems to have peaked around 1968 when no less than 424 vessels were registered as fishing at West Greenland, several of them making more than one trip. After that time the number of foreign vessels declined drastically, especially so far as the long-liners and Portuguese dory vessels were concerned. Horsted (MS 1965) showed that vessel capacity and fishing power generally increased from 1953–54 to 1962. Developments seem to have continued especially for trawlers, where a gradual shift from side- to stern-trawlers seems to have been a major improvement allowing for fishing in more rough weather and hence to permit fishing to take place throughout the year. However, with stock abundance and catch-rate generally decreasing after 1968, the interest and hence the activity level have decreased much since then, but not necessarily accompanied by decreasing fishing mortality.

The ICES North Western Working Group recently, and for the first time, succeeded in performing an analytical assessment of the combined West-East offshore stock components covering the years 1955 to 1992 (Anon., 1996, 1997). This assessment indicates that average fishing mortality rate (*F*) for age groups 5–8 increased from a level of 0.1 by 1955 to about 0.4 by 1962, remained at that level until 1973 and then increased further to 0.9 by 1978. Large fluctuations thereafter (0.1 by 1987 and 1.3 by 1990) seem possibly due partly to regulations and partly to abrupt changes in recruitment (e.g. entrance of the 1984 year-class).

No doubt, however, there is a potential international fleet of vessels ready to go into a new rush for cod fishing should the stock situation improve. However, now there are also new political considerations: the extended Exclusive Economic Zone and new management regimes through nationally allocated quotas.

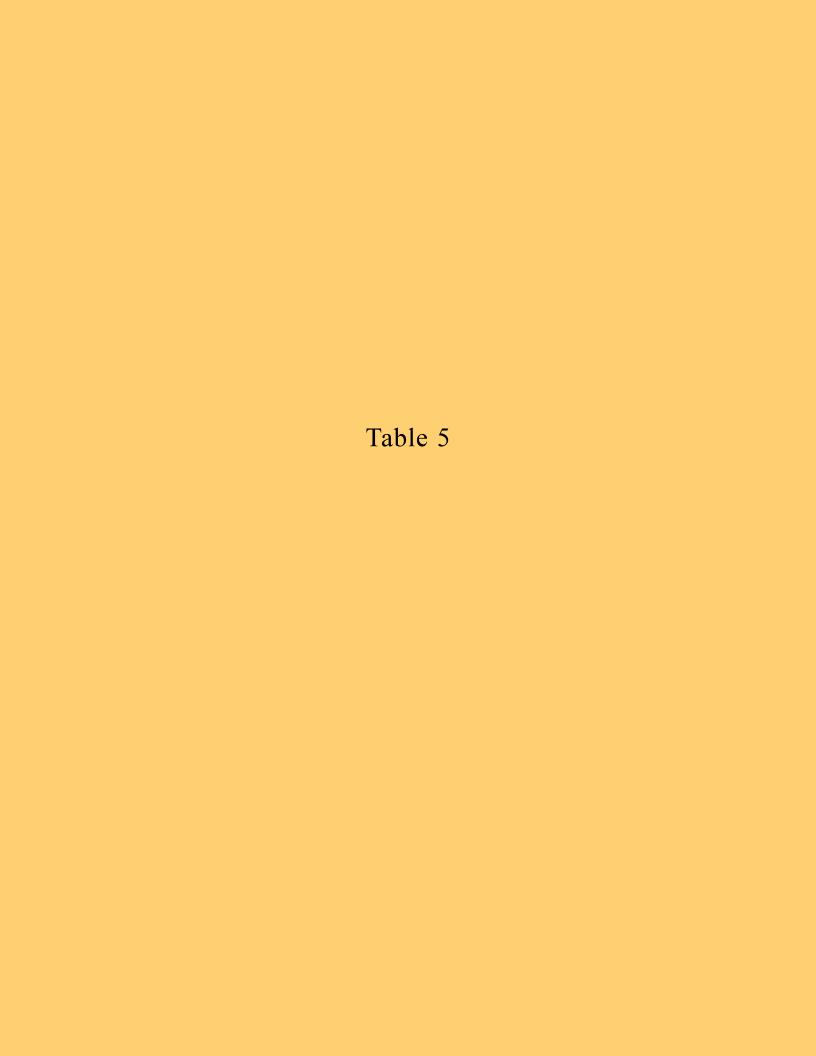


TABLE 5. Estimated number of vessels (Nos.) above 50 GRT engaged in fishing for groundfish, primarily cod, at West Greenland and their average size (BHP for trawlers), crew (for liners) and number of dories (for dory vessels (except in 1977)). Number of Days (DoG) on Ground from information in *ICNAF List of Vessels*.

| | | Ot | tter traw | lers | | Li | iners | | I | Oory mo | ther vesse | ls | |
|------|-----------|------|-----------|------|-----------------|-----|------------|-----|------|---------|-----------------|------|------------|
| | | | Mean | | | M | [ean | | | | Mean | | |
| Year | Nos. | GRT | BHP | DoG | Nos. | GRT | Crew | DoG | Nos. | GRT | Dories | DoG | Total Nos. |
| 1953 | 205 | 875 | 1061 | 30 | 89 | 185 | 19.8 | 96 | 40 | 693 | 51 | 73 | 334 |
| 1956 | 170 | 926 | 1112 | 28 | 113 | 178 | 19.4 | 85 | 49 | 765 | 55 | 54 | 332 |
| 1959 | 219 | 940 | 1224 | 40 | 108 | 190 | 20.2 | 154 | 47 | 872 | 61 | 72 | 374 |
| 1962 | 226 | 1037 | 1321 | 60 | 94 | 236 | 22.4 | 156 | 35 | 70 | 64 | 102 | 355 |
| 1965 | 213 | 1170 | 1704 | | 67 | 300 | 21.9 | | 30 | 908 | 67 | | 310 |
| 1968 | 306^{1} | 1268 | 1714 | | 88 | 248 | 20.3 | | 30 | 911 | 69 | | 424 |
| 1971 | 136^{1} | 1182 | 1900 | | 12 ² | 302 | 21.1 | | 11 | 967 | 51 ³ | | 159 |
| 1974 | 107^{1} | 1521 | 2160 | | 36^{4} | 219 | 18.8^{5} | | 2 | 1068 | 6^{6} | | 145 |
| 1977 | 56 | 1947 | 3013 | | 6 | 405 | 18.7 | | 4 | 957 | 67 | crew | 66 |
| 1980 | 37 | 2051 | 3315 | | 0 | | | | 0 | | | | 37 |
| 1983 | 39 | 1615 | 3004 | | 1 | 242 | 20 | | 0 | | | | 40 |
| 1986 | 13 | 1750 | 3349 | | 5 | 185 | | | 0 | | | | 18 |
| 1989 | 18 | 1379 | 2290 | | 0 | | | | 0 | | | | 18 |

¹ Number of trawlers include 87 Spanish pair trawlers (counted as single vessels) for 1968, 44 for 1971 and 34 for 1974.

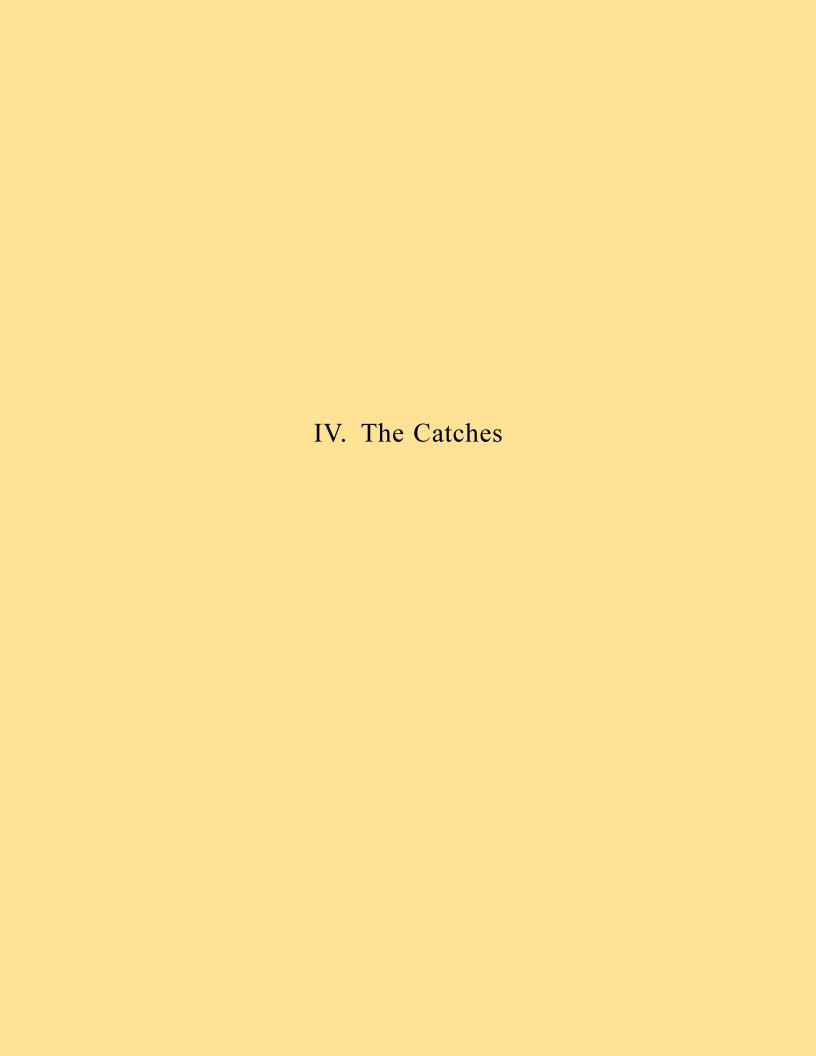
² 15 Greenlandic or Norwegian vessels fishing part- or full-time for species other than cod (salmon, shrimp) not included.

³ 18 motorboats from 3 mother vessels not included in mean number of dories.

⁴ Includes some vessels fishing shrimp part of the time or fully.

⁵ Calculated for 22 non-Greenlandic vessels only.

⁶ Motor boats fishing by gillnets.



IV. The Catches

1. Review of Total Catch and Main Causes of Fluctuations

1.1 The pre-war and war period at West Greenland (Table 1 and Fig. 1)

The Greenland commercial cod fishery started locally in West Greenland in 1911 at some localities where cod seemed to occur regularly during summer and autumn. The gradual increase of the landings and their spatial distribution was described by Jensen and Hansen (1931) and by Hansen (1949). It took 15 years to reach the level of 1 000 tons (Table 1; Fig. 1). Thereafter, annual landings by Greenland increased rapidly to reach nearly 10 000 tons by 1930. During the 1930s, annual landings by Greenland fluctuated between 5 500 and close to 9 500 tons. During the war 1939–45 it increased from 7 000 to some 14 000 tons.

Catches presented in Table 1 suggest that offshore fishing by non-Greenlandic vessels started in 1924 and increased rapidly up to 1931 when the total catch (including Greenland) reached as much as 130 000 tons. The total catch fluctuated thereafter between 62 000 and 97 000 tons, reached a new peak of 133 000 tons in 1936 but decreased thereafter to about 95 000 tons in 1938. Most of the distant-water fleets, which had participated in this fishery (the Faroe Islands, France, Norway and the UK), did not fish at Greenland during World War II, the only nation besides Greenland continuing after 1940 being Portugal. During 1939-45 catches, therefore, were at a somewhat lower level, 44 000–65 000 tons.

Nearly all pre-war catches were taken by hand- or long-lines and during May/June to September/ October. The highest national catch was that by France in 1936 (81 000 tons) while the Portuguese catches generally increased during the period after 1930 to reach a level of close to 50 000 tons during 1943–45.

1.2 The post-war period (1946–95) at West Greenland (Table 2 and Fig. 1)

Catches by nations and gears for the period 1946–95 are listed in Table 2 (the Table corresponds to Table 2b by Horsted, MS 1994, updated and with a few minor corrections). The development at West Greenland is also illustrated by Fig. 1 (including catches 1924–45).

Immediately after World War II, the nations, which fished at Greenland before the war, resumed fishing. Additionally, Spain may have had some fishing there from 1946, at least no later than from 1952. New entrants around 1950 were Denmark (mainland) for a short period only, the FRG, Iceland and Italy. Of these, the FRG came to play the major role, with catches increasing abruptly in the first part of the 1960s to levels equal to or well above those achieved by the former dominating nations (Portugal, the Faroe Islands, France and Norway). Although individual national effort fluctuated between years, the total effort seems to have increased steadily and rapidly from 1946 to the mid-1960s. Associated with this was the steadily increasing fishing power and extension of the fishing season for some fleets, especially trawlers.

The total catch, therefore, developed rapidly from the 60 000 tons level during World War II to 200 000 tons by 1950 and 334 000 by 1952. It fluctuated thereafter without trends between 235 000 and 348 000 tons over the period 1953–61. The catch peaked in 1962 when about 460 000 tons were landed. Catches remained at a high level (350 000–430 000 tons) during 1963–68, fell off rapidly thereafter to reach only 33 000 tons by 1976. Fishery regulations thereafter played some role, but were evidently not fully adhered to in 1977–79 when catches were up to 100 000 tons annually (see Section V.2). The extension of the Coastal State Exclusive Economic Zone from 12 naut. miles to 200 naut. miles in 1977 (or the mid-line between Canada and Greenland) was probably the most important regulation. Greenland with Denmark was a member of the EEC at that time and fishing was not disrupted. However, non-EEC nations like the GDR, Norway, Portugal, Spain and USSR had to give up cod fishing in Greenland waters. This represented a substantial change as the

total catch by these five nations alone was 54 000 tons in 1972, decreased to 34 000 and 20 000 tons in 1973 and 1974, respectively, and phased out during the next three years. The GDR performance was different in that fishing at Greenland stopped in 1973 after a period of rapidly decreasing catches. The same pattern was also true for the EEC members France (stopped after 1973) and the UK (stopped after 1976). The Faroe Islands, not an EEC member, although part of the Danish Kingdom, has fished little at Greenland after 1977.

The drastic decrease in cod catches at West Greenland since 1968 can thus be ascribed to the decrease in effort. This may be attributed less to fisheries regulations than to the actual practical interest level on a fishery with low catch rates and a stock under stress. This was not only due to fishing pressure but more importantly due to adverse environmental conditions since 1968 resulting in poor recruitment, with the exception of the 1973 and 1984 year-classes (Buch *et al.*, 1994). The recruitment to the fishable stock of these two year-classes during 1976–79 and 1987–90, respectively, led to temporary improvement in the total catch at West Greenland to levels around 100 000 tons by 1979 (during 1978–79 there was a quota overrun, see Table 9) and 1989. Otherwise the catch curve for the period after 1968 shows a decline to a very low level, with total catches comparable to those in the first part of the 1920s.

1.3. The cod fisheries at East Greenland (Table 3)

As explained in Section II.1 it is difficult to achieve figures for catches at East Greenland prior to 1958. However, it is clear they have been much lower than those at West Greenland. Although catches for local consumption by Greenlanders at Ammassalik are likely to have occurred before World War II, a commercial fishery for cod by Greenland only started in 1956. However, Iceland, FRG and UK seem to have taken catches off East Greenland since the mid-1950s. The annual catches by nations during 1954–95 are listed in Table 3 (this was updated from Table 3 in Horsted, MS 1994).

The annual total catch at East Greenland was likely at the 10 000–13 000 tons level during 1956–58, then doubled to fluctuate without trends between 16 000 and 24 000 tons during 1959–70 except for the outstanding year of 1964, when nearly 36 000 tons were caught. Catches increased again from 1970 to 1971 (21 000 to 33 000 tons) but fell rapidly thereafter to reach a low of 6 000 tons by 1974–75. For the years 1977–82 the ICES Working Group on Cod Stocks off East Greenland (Anon., 1981b, 1982, 1983) considered that catches were well above those recorded in the official statistics by as much as 34 000 tons in 1979 and 27 000 in 1982. A new period with low catches occurred during 1984–87, the lowest being 2 000 tons in 1985. A temporary improvement took place when the important 1984 year-class invaded the area from West Greenland waters from 1988. The catch in 1990 was then close to 34 000 tons, about the same as in the two other years of record high catches (1964 and 1979). After 1991, catches decreased rapidly to a negligible level.

Besides Greenland itself, only the FRG has an unbroken record of catches for the entire period since 1955 (1956 for Greenland). Until 1976, catches by Greenland were from small local operations taken by hand- and long-lines and by pound nets. Thereafter the Greenland trawlers also participated in the fishery. Iceland and the UK stopped fishing in the mid-1970s, although the UK participated from 1989 in the temporary good period related to the 1984 year-class. Catches by other nations were sporadic and generally negligible (except for 6 000 tons landed by the USSR in 1963). Except for minor catches by Greenland, Faroe Islands and Norway, catches at East Greenland were taken by trawlers.

Annual and seasonal fluctuations of the fisheries at East Greenland depend much upon the physical conditions for fishing, not least the occurrence of drift ice. Drift ice is usually found over the East Greenland fishing grounds during the first half of the year, the same time as when pre-spawning and spawning shoals of cod are formed. It should also be taken into account that the trawl fisheries off East Greenland, much more than those at West Greenland, are mixed fisheries in which catches of redfish are just as important as cod, and in some years much more important. Thus, for the period

1960–70, catch figures in the FRG Research Reports to ICNAF show that redfish catches at East Greenland exceeded those of cod every year. It was most pronounced in 1966 when it was 3.2 times higher than those for cod. For the overall period 1960–70, the FRG redfish catches exceeded those of cod by 84% (Meyer, 1963; Meyer and Lenz, 1973), although this was a period with relatively high catches of cod (Table 3). However, in 1971 and 1972, when catches of cod by the FRG were 26 000 and 22 000 tons, respectively, those of redfish were only 1/2 and 1/3 of catches of cod. The low catch of redfish was explained as being partly the effect of less market demand. (Meyer and Lenz, 1973).

2. Spatial and Seasonal Distribution of the Fisheries (Table 6a)

2.1. The fisheries by Greenland and the Faroese land-based fishery

As in any fishery, the distribution of the local Greenland and Faroe Islands fishery was determined first by the occurrence of the target species, but fluctuations especially in the spatial distribution of the fish influenced the activity and economy of small, localized, land-based boats. Several other factors also influenced the small-boat fisheries. The Greenland larger long-liners and trawlers were, of course, much more mobile than the small boats.

2.1.1. The spatial distribution of the Greenland fishery

The catches by Division by *Greenland vessels less than 50 GRT*, are listed in Table 6a for the years 1911–95. Catches were generally taken with gears other than trawls at the coast or in fjords, and although some have been taken offshore under good weather conditions this fleet was generally rather localized up to 1964 so that the landing place would indicate the Division in which the catch was taken. For the years 1966–70 the catch figures also included minor amounts landed by long-liners (51–150 GRT tonnage class, see text to Table 6a and their catches could well have been taken in Divisions other than where they were landed. Information without the actual fishing location, are recorded under Div. 1NK.

Greenland's commercial fishing started in Div. 1D in 1911, and included Div. 1C and 1B in 1915 followed by Div. 1F in 1918 and Div. 1E in 1919 (Table 6a). Places around Disko Bay (Div. 1A) came into the picture in the late-1920s and Uummannaq from 1932. Through most of the 1930s Div. 1F was the major area for the Greenland fishery accounting for about 20–35% of the total catch, followed by Div. 1B (18–32%) and Div. 1C about 20%. The relative importance of Div. 1D decreased from the 1920s to the 1930s, while that of Div. 1B increased. Through the 1940s the most important area was Div. 1B, but Div. 1A (southern part) also showed increasing importance so that catches were fairly evenly distributed along the West Coast from Cape Farewell to Disko Bay. Catches in the small Div. 1E were lower than in the larger Divisions.

The catch distribution for the post-war years 1946–94 is shown in Fig. 4. Throughout the 1950 and 1960s the situation was very much the same as in the 1940s but by 1968 catches in the northern Divisions suddenly decreased. During the 1970s and the 1980s and the first half of the 1990s, the relative importance between Divisions fluctuated between Div. 1C, 1D, 1E and 1F. Div. 1B, and the Disko Bay area (southernmost part of Div. 1A) showed surprisingly high catches during 1989–91, with catches in Div. 1B the highest ever. The catch in Div. 1F fell relatively more than those in the other Divisions in the mid-1980s. However, for the years 1981–84 relatively high catches (19–31% of the total for Greenland including the trawler catches) were not broken down by Division. The overall picture mentioned above might have changed had they been considered.

The Greenland trawlers engaged in cod fishing (since 1968) have been those owned by the State (the Royal Greenland Trade Department) later (from 1985) by the Greenland Home Rule authorities, while privately owned trawlers have been fishing shrimp mainly. The State/Home-Rule owned vessels were gradually rebuilt so that they could also engage in shrimp fishing and production at sea. When fishing for cod, their main task was to supply gutted, iced fish for further processing at the fish

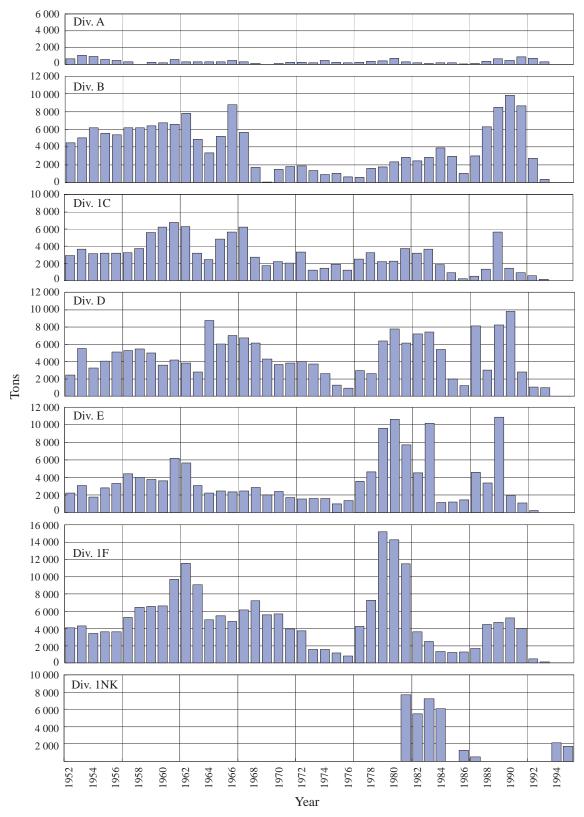


Fig. 4. Distribution by statistical Divisions of nominal catches of cod at West Greenland by small Greenland boats (below 50 GRT) 1952–94.

plants in the major Greenland cities (the plants also State/Home Rule owned). As a result they had to take into account factors such as distance (time) between fishing ground and actual landing place. The latter was decided upon by the fishing industry managers, especially since the duration of storage of fish on ice was set short to ensure high quality products. The trawlers, however, did not come into operation until after the downward trend of the cod stock by the end of the 1960s, and they generally had to follow the same southward displacement of the fishing grounds (as did the non-Greenland offshore fleet described later in this paper). Their cod fishing activity (catch and effort by Division, year and month) is listed in Table 7a for the years 1973–85, the only period for which cod fishing was large enough and in sufficient detail to be of interest for the analysis. The statistical figures presented here are for the two vessel categories combined (one trawler of 433 GRT, 2 200 BHP, and up to six stern trawlers of 722 GRT, 2000 BHP) and the corresponding catchper-unit-effort is listed in Table 7b.

There was no cod fishing activity in Div. 1A since 1969 and very little in Div. 1B and in Div. 1F. During the 1970s, Div. 1C and 1D were the most important, but Div. 1E also supplied an important part of the total catch. Fishing activity in the first part of the 1970s in Div. 1C and 1E was less evenly distributed through the months than in Div. 1D. From 1977 the activity in all three Divisions was concentrated in the first two quarters of the year, and in 1978, 1980–82 fishing included the last quarter of the year (with shrimp fishing in between).

The southward displacement of the stock and the fishery became evident from 1983, although this did not lead to any noteworthy increase of activity in Div. 1F. Instead, the activity at East Greenland seemed to have increased in the 1980s (see Table 3).

2.1.2. The fishing season of the Greenland fishery

Up to the end of the 1950s, the local Greenland cod fishery was hampered by the lack of modern facilities on land. Production was limited to only salted or dried fish in a season, and the length of the season was determined, among other factors, by the availability of fresh water. The governing feature was atmospheric temperatures, because the supply pipelines, which were exposed at many places, were closed during the long period with frost. Also weather conditions and sea ice limited the length of the fishing season, although at some places, for instance at Kapisillit in the innermost Godthåb Fjord, a winter fishery took place from the ice by hand line, the production then being dried fish.

The gradual development of the fishing industries, especially after the report of the so-called G-60 Committee was issued (Anon., 1964), meant that production facilities became available throughout the year at an increasing number of places (see for instance Mattox, 1973). However, the climatic conditions remained a hindrance for the small boats to conduct an effective fishing throughout the year.

The distribution by month and Division of the cod catches by the *Greenlandic small boats* (below 50 GRT) as it occurs in the *ICNAF/NAFO Stat. Bulletin* (1952–93) is given in Table 6b. The following remarks, however, should be noted:

- a) For the years 1967–69 the statistics for the smallest vessels include vessels up to 150 GRT, while for 1970–71 and 1974 the vessel tonnage class is not specified. For these latter years small-boat catches were reported by Division, while the trawler catches are listed under Division NK (not known).
- b) Statistics for 1972 are very poorly reported in that only the total for all months, Divisions and vessels are given.
- c) For 1973 and 1975–79, the figures were given separately for the 0–50 GRT category.
- d) For 1980–85, the large trawler catches were reported separately, while the small boats are in the vessel size category "not known" together with small shrimp trawlers, large long-liners and

others. For these years (and the vessel group) relatively large quantities of cod are listed under month and/or Division "not known". The non-trawler catches specified by month and Division are still likely to be those taken by small boats below 50 GRT.

In Table 6c the material is presented as relative figures as the percent of the total catch of each year for the small boats below 50 GRT, while Table 6d presents the absolute figures summarized in periods of five consecutive years. Table 6e is the corresponding relative figures in per thousand of total for the small boats for the period, illustrated by Fig. 5.

The relatively low January–April catch is taken primarily in the three southernmost Divisions (1D–1F). They ranged from lows of about 25% of total January–April catches in 1974 to usually 80–90% with the highest in the late-1950s (up to 99%). Division 1D, and sometimes Div. 1F, had the highest January–April catch. Still, it should be remembered that the overall January–April catch is only a minor part of the total for the year.

During May, catches usually increased to levels of about 10% of the total for the small boats for the year. However, during the period 1969–84 the May catches were relatively low with the lowest in 1971 of only 55 tons or 0.4% and the highest in 1979 of 2 988 tons or 8.4% of total small boat catches for the year.

During October, catches decreased but October may still be counted amongst the important months, its contribution ranging from 2.2% (1964) to 10% (1982) of total small boat catches for the year.

The November–December catches are generally below 10% of the annual catch for small boats with winter fishing conditions having started. High catches were observed in 1965 with 12.8% and in 1986 with an exceptional figure of 21% of total small boat catches. No special explanation is offered for that 1986 event, however, it is possible that the extremely low figures recorded for the rest of the year creates the high November–December proportion (total non-trawler catch of cod that year was only 5 302 tons).

Thus, June–September every year stands as the high season for the small boats characterized by good weather, availability of cod over a wide area, including the shallow water close to land and especially the coastal area round islands and skerries. Shoals of cod found in the fjords presented good conditions for a lucrative pound net fishery – at least these were the conditions for many years.

July stands out as the best month in nearly half the cases studied, followed by August in about 1/3 of the cases. Both months usually accounted for about 20-25% of the total annual catch for small boats.

Geographically, this statement of highest catches in July and August is to some extent also valid when viewed on a divisional basis, although the situation may differ somewhat between Divisions. For example, during the 1960s May–June were frequently the peak period in Div. 1D, likely based on pound-net catches in the Godthåb Fjord, whereas for Div. 1F there is a tendency to a later high season than for the other Divisions, mainly because fishing in Div. 1F is usually hampered by polar drift-ice ("Storis") in the second quarter of the year.

Since 1965 large liners and since 1969 large stern trawlers have enabled Greenland to fish throughout the year. Large vessels' fishing resulted in concentrating the land-based industry at the larger cities, primarily (so far as cod fishing is concerned) in the so-called open-water-cities (Frederikshåb/Paamiut, Godthåb/Nuuk, Sukkertoppen/Manitsoq and Holsteinsborg/Sisimiut). These harbours seldom freeze up or get blocked by heavy drift ice to such an extent that large vessels cannot manoeuvre. Also, the major West Greenland fishing banks are found right off these cities, although now (since mid-1990s) cod occur sparsely on these banks (the monthly distribution of the cod catches by Greenland trawlers was commented on above).

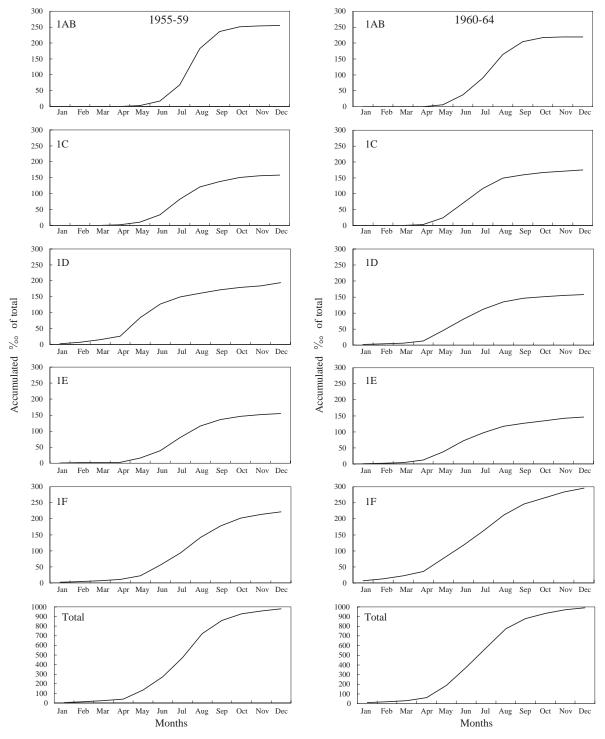


Fig. 5. Relative distribution by Division and month of nominal catches of cod at West Greenland caught by small Greenland boats (below 50 GRT) over five-years periods through 1955 to 1994 (note: values for Division and/or month not-known (NK) are exclused in the plots).

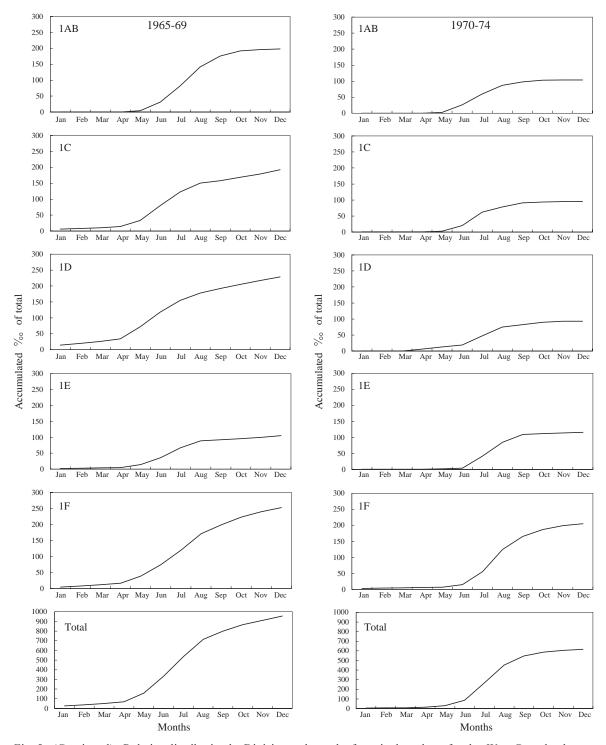


Fig. 5. (Continued). Relative distribution by Division and month of nominal catches of cod at West Greenland caught by small Greenland boats (below 50 GRT) over five-years periods through 1955 to 1994 (note: values for Division and/or month not-known (NK) are exclused in the plots).

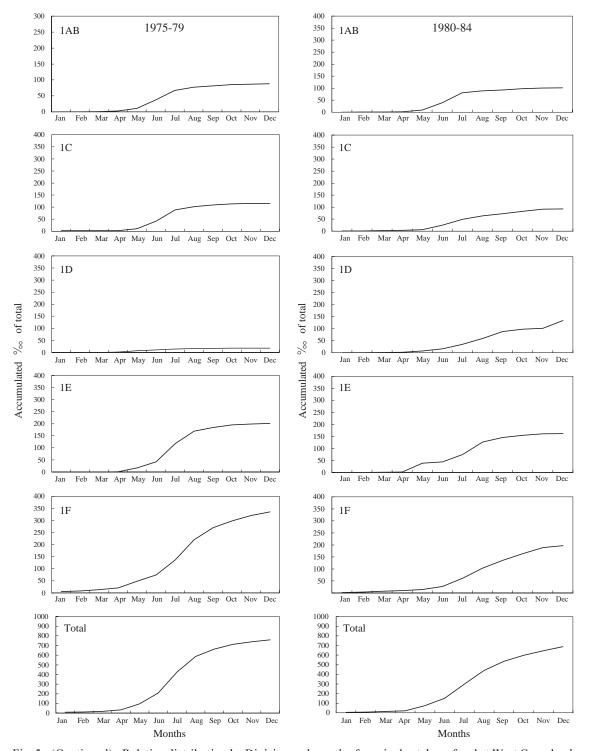


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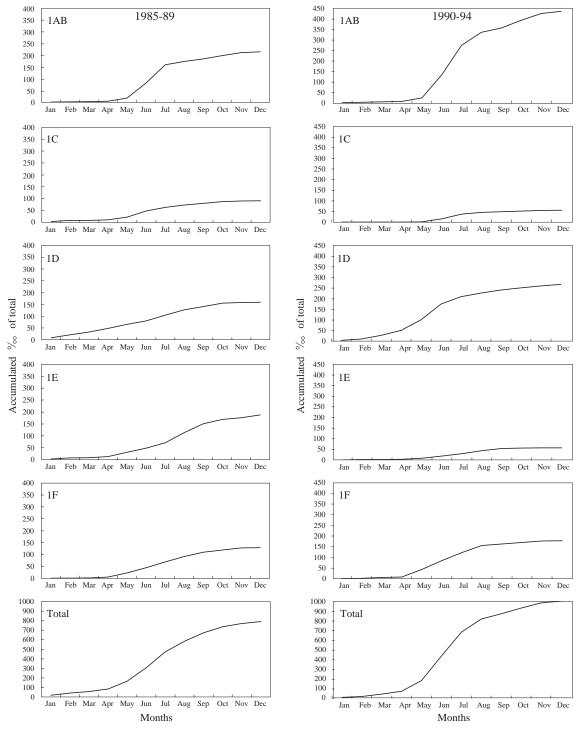


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2.1.3. The Faroe Islands land-based fishery

The Faroese land-based fishery by small boats has been restricted to the offshore area at those places where, from 1926, the Faroese were granted permission to establish some fisheries stations at the West Greenland coast (the most important being Færingehavn, south of Nuuk/Godthåb). From 1931 also a good part of the territorial area between the 3 naut. miles boundary and the outer skerries and islands but not inshore was opened for Faroese fishing. The Faroese fishery has also been seasonal given the same climatic conditions as the Greenland coastal fisheries and has taken place between the offshore banks and the coastline, and on the inner slopes of the banks.

2.2. The offshore fisheries by non-Greenlandic vessels

The distribution of offshore catches by non-Greenlandic vessels is, of course, also influenced primarily by the occurrence of cod. However, the tradition to go fishing where and when in terms of good physical conditions (weather, lack of ice, bottom characteristics) and availability of fish in previous years also seemed to play a major role for some fleets. Thus, the various national fleets traditionally preferred various fishing grounds. The least flexible offshore fleet, the Portuguese dory fleet, operated mainly in Div. 1B and 1D where fishing banks have relatively shallow water, and where weather in summer is generally good. They also fished to some extent in Div. 1C with negligible, if any, catches in Div. 1A and 1E and never any in Div. 1F. The French trawlers preferred fishing in Div. 1B-1D up to 1968, and then moved southward along with displacement of the stock. The FRG, who played a major role from the mid-1950s concentrated fishing in Div. 1D in the 1950s but gradually spread also to Div. 1C (the most important in the late-1970s). It is noteworthy fishing spread to Div. 1E and 1F, while fishing in Div. 1A-1B seemed of minor interest (except for Div. 1B in a short period in the 1960s). The distribution of the FGR fishery must be seen in the light of its interest in catching also redfish, occurring (in marketable size) mainly in the southern part of Subarea 1. The same goes for the UK trawlers with the greater part of their catch in Div. 1D-1F, with Div. 1F being the most important in the 1950s. Thereafter there was a more even distribution on Div. 1B-1F, frequently with Div. 1D being the most important. Economic considerations (to avoid too long journeys to and from fishing grounds) may also have played a role for fleets, especially if they were landing "fresh" iced fish.

When trawlers started to dominate (or at least to be as important as vessels fishing with other gear) from the mid-1950s, they generally started with their experience fishing in the good-weather summer season. But evidently they gradually found out that trawl fishing could be better at other times of the year when cod was more concentrated in shoals. The gradual switch from side- to stern-trawlers also meant that the vessels could operate in weather conditions which formerly prevented fishing operations.

The spatial and temporal distribution of the fisheries depended not only on the occurrence (density) and availability of fish inside Subarea 1 itself, but also on the actual fishing success in Greenland waters compared to other North Atlantic waters where the fleets were allowed to operate. This particular relationship is not studied in the present paper but deserves consideration. Also the variation in space and time of fish quality (size and condition) may in some cases have influenced the distribution of the fishery. Finally, what could also have influenced the catch distribution could be limitations of total allowable catches (TACs) and regulation by national quotas. TACs not allocated on national quotas would tend to create a rush as soon as the fishing year opens (pulse fishing). Allocation of TACs to nations may alleviate that risk, especially when a country allocates part of its quota to individual vessels through fishing licenses. Under such circumstances, vessels may tend to fish only in the season when catch rates peak (or are thought by experience to peak).

Evidently, these factors have to some degree influenced the spatial and temporal distribution of the cod fisheries at Greenland. Most clear are the physical and environmental conditions. Maintenance of traditions also seems evident, whereas influence from biological factors such as fish size and condition, and from fisheries policy and management are less clearly seen, except in cases when

specific areas were closed to some or all fishing activity (e.g. no trawling for cod allowed in inshore waters) or when TACs and quotas were fully fished before the TAC-year came to an end.

Until around 1950, the offshore catches were taken mainly by Portuguese dories and by long-liners of the Faroe Islands and Norway. Trawlers were at that time used by Iceland, the UK and Spain, and it is likely the larger French catches were by trawlers. The distribution of offshore catches in the 1946–56 period is likely to have been mainly from Div. 1B–1D. From 1952, several catches, generally an increasing proportion of the total, have been reported by Division (Table 8a). The distribution of offshore fisheries differs much from the localized inshore fisheries. Thus, Div. 1F plays a minor role offshore, most likely due to relatively difficult trawling grounds, to more rough weather and to more drift-ice than in the other Divisions. In general, the most important Division by far was Div. 1D, with the fishing banks of Fylla, Fiskenæs and Dana. Also Div. 1B (Store Hellefiske Bank/Great Halibut Bank) and Div. 1C (Lille Hellefiske Bank/Little Halibut Bank) showed relatively high catches.

There was a dramatic decrease of catches in Div. 1B from 1968 with negligible catches after 1974. The catches of Div. 1C showed the same drastic downward trend after 1982, and those in Div. 1F and 1D also decreased much in the late-1970s, to recover temporarily in the early- and mid-1980s when fishing centred in Div. 1D and 1E, and also in Div. 1F during 1983–85. Around 1990, the offshore catches (on 1984 year-class mainly) took place in Div. 1E–1F and at East Greenland. After that time virtually no offshore catches have been taken at West Greenland.

The monthly distribution of the cod catches by Division by non-Greenlandic vessels since 1952 is listed in Tables 8a and b and illustrated by Fig. 6. The fisheries before that time are likely to have had a monthly distribution very similar to the immediate post-World War II period, since it was basically the same nations (Faroe Islands, France, Norway and Portugal) who operated in those periods and with the same type of gear. Although British trawlers had minor pre-World War catches, their catches increased very much right from 1948 and had a considerable part of their fishery in Div. 1F in the last part of the year, including the winter. The British fleet more or less followed that tradition in its fishing at Greenland. In fact, the spatial and temporal distribution of catches seems to have been to a great extent influenced by traditions.

The fleet with the least flexible operating pattern, besides that of Greenland and Faroese small boats, was the Portuguese dory fleet, operating on rather shallow banks in Div. 1B–1D in the stable-weather season (May/June–September). Also liners of the Faroe Islands and Norway generally maintained traditional patterns. The Faroese hand-liners and small land-based boats mainly fished in Div. 1D–1F in summer and autumn, while the long-liners were a little more flexible but fished generally in late summer and autumn-early winter. The Norwegian liners seemed to have been more flexible, with catches being distributed over all Divisions and months. However, for both these nations the statistical information on spatial and temporal distribution is sparse for many years, but the author has had good opportunities to observe the fishing, including listening to vessel radio correspondence.

In terms of monthly and to some extent the spatial distribution of the annual catches, Tables 2 and 8 show that the post-World War II period had some identifiable characteristics:

The period 1946–54 is not well documented. However, it was dominated by Faroese and Norwegian long-liners, French vessels (trawlers since 1952), and especially by the Portuguese dory vessels (Table 2). It seems likely that the major part of the catches was taken in Div. 1B–1D and during May–October. Another important component was the UK trawl fishery in autumn and winter mainly in Div. 1D and 1F. The relatively small catches in Div. 1A were mainly taken by Norwegian long-liners.

During the years 1952–54 (incl.) around 2/3 of the specified catches were taken in June–August, mainly in Div. 1B and 1D. The unspecified catches in those years were as high as 81% and 32% of

the total in 1952 regarding spatial and monthly distribution, respectively. For 1953 it was 44% and 43% and for 1954, 21% and 19% of the total catch regarding spatial and monthly distribution, respectively, but since these unspecified catches were mainly those of France and the Faroe Islands (in 1952 also by Portugal) the actual catch in June–August and in Div. 1B and 1D may well have been relatively higher than stated.

In the period 1955–59 Div. 1B and 1D were still the major fishing areas, but Div. 1C and 1E increased their relative contribution, while that of Div. 1A and 1F decreased. The main fishing season included May (May–August) and (from 1959) September. Altogether between 62 and 74% of the specified catches were taken during May–August (incl.). Trawlers from the FRG, France, the Faroe Islands, Portugal and Spain played the major role, while the UK seemed to show decreased interest. The Portuguese dory fleet maintained its high activity. The unspecified catches for that period accounted for 19–33% of the total catch so far as divisional distribution was concerned and 6–24% regarding monthly distribution. These catches would, if specified, most certainly strengthen figures for Div. 1D in this period as the Faroese catches constituted the major part of the unspecified catches.

During 1960–67 the total annual catches were very high, ranging from some 240 000 to some 460 000 tons, culminating in 1962, the summit year of the whole cod epoch. Up to 1966, Div. 1B and 1D remained the most important areas followed by Div. 1C. However, in 1967, Div. 1C showed higher catches (25% of total specified catches) than Div. 1B. Div. 1E again increased its importance (up to 16% of specified catches) while catches in Div. 1F were below 5% of the total catch except in 1967 (5.5%) and those in Div. 1A below 1% of the total. There was a tendency towards a somewhat better balance between months, although the months January–August (inclusive) were still the most important. September replaced May in the upper-four months in 1960–63, where after May again showed higher catches. Apart from Div. 1A, especially in the first half of the year, there was hardly any Division without some fishing in any given month. Clearly, this is the period in which vessels, particularly stern trawlers, started to operate throughout the year. The non-specified catches (still mainly those of the Faroe Islands and Norwegian liners) were relatively lower (between 24 and 35% of total for Division and 8–26% for month). If specified, they would probably not change the general picture for these years much.

In the period 1968–76 the tendency of a southward displacement of the fishery and more uniform distribution on months continued. The total annual catch decreased abruptly from 1968 to 1970 and again from 1972 to 1977 to reach a level well below the 100 000 tons. There was virtually no catch in Div. 1A, and Div. 1B had lost its great importance (5% of total catch or less). Divisions 1C and 1D were the most important during 1968–75, thereafter Div. 1D and 1E, continuing the southward displacement of the fishery indicating a southward displacement of the stock.

While the spatial shift can be said to concentrate fishing in a smaller area than previously, the

Fig. 6. Spatial (NAFO Division) and temporal (year and month) distribution of non-Greenlandic vessels nominal catches of cod at West Greenland 1952–95 (no fishing, 1992–95), illustrated by symbols as follows:

| _ | 0 | no fishing |
|----------|---------|--|
| | <10 | Less than 10% of total for Subarea 1 for the year. |
| • | 10-49 | 10–49% of total for Subarea 1 for the year. |
| O | 50-99 | 50–99% of total for Subarea 1 for the year. |
| | 100-149 | 100–149% of total for Subarea 1 for the year. |
| • | 150-249 | 150–249% of total for Subarea 1 for the year. |
| • | 250-499 | 250–499% of total for Subarea 1 for the year. |
| ♦ | > 500 | 500% or more of total for Subarea 1 for the year. |

Each vertical column represents one (in consecutive order) of the five years. (The absolute and relative catches are listed in Tables 8a and 8b, respectively. (to follow on next three pages)

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temporal distribution showed the opposite trend spreading fishing throughout the year. There was also a gradual changing from the formerly best period (May–September) to become a low-catch period from 1971. At the same time the Portuguese dory fishery and the Faroese and Norwegian long-line fishery decreased abruptly and nearly ceased after 1977. French trawlers also left the area after 1972. The remaining trawlers (the FRG, Norway and Spain) seemed to be those well acquainted with fishing during winter and spring, when shoals of spawning cod are formed on the western slopes of the southern West Greenland banks.

The unspecified catches were relatively low in this period, and from 1974 all reported catches were broken down by Division and month.

The period 1977–95 (and maybe further on) shows some temporary improvement in total catch as a consequence of recruitment of a relatively good 1973 year-class. There was clear evidence that not all catches taken in 1977–80 were reported to official offices and hence not to ICNAF/NAFO (Anon., 1981; Horsted, MS 1981). The Scientific Council of NAFO used estimates of total catch for these four years for its stock assessment, but no attempt was made to describe the distribution of these extra catches.

The fishery by liners (except those from Greenland) virtually disappeared after 1977 leaving fishing operations to trawlers, mainly those from Germany, Norway and Spain (partly pair trawlers since 1968), and to some former long-liners now fishing with bottom gillnets. During 1984–87, catches were again very low, and for the years 1981 and 1986–87 the non-Greenlandic catches were only 417, 54 and 89 tons, respectively. For 1978–80 the catch was between 1 000 and 1 500 tons only. There were negligible or no catches in Div. 1A–1B. Div. 1C showed relatively good catches until 1982, thereafter virtually nothing. Even Div. 1D lost its relative importance from 1985, and nearly the entire offshore catch from then on was taken in Div. 1E–1F.

A new shift was also seen in the distribution between months. In 1978 and 1979 by far most of the (very low) total catch was taken in the first half of the year. The years 1980–83, especially 1982, showed relatively good catches in the first and last months of the year, i.e. during winter. There was a more even distribution in 1983–84, although mid-year showed a low-catch period in most years in this period. The recruitment to the fishable stock of the good 1984 year-class in 1988 seemed to spread fishing again over most of the year, but only temporarily.

It should be pointed out that the description of the distribution of the fisheries in the period after 1978 is based on very low annual catches. For 1978–80 (1 061, 1 521 and 1 024 tons, respectively), the description cannot be given much weight, and for 1981, 1986 and 1987 they are based on such low catches (see above) that a description seems meaningless. However, the southward displacement of the stock after 1982 is evidenced by groundfish surveys (Rätz, 1999).

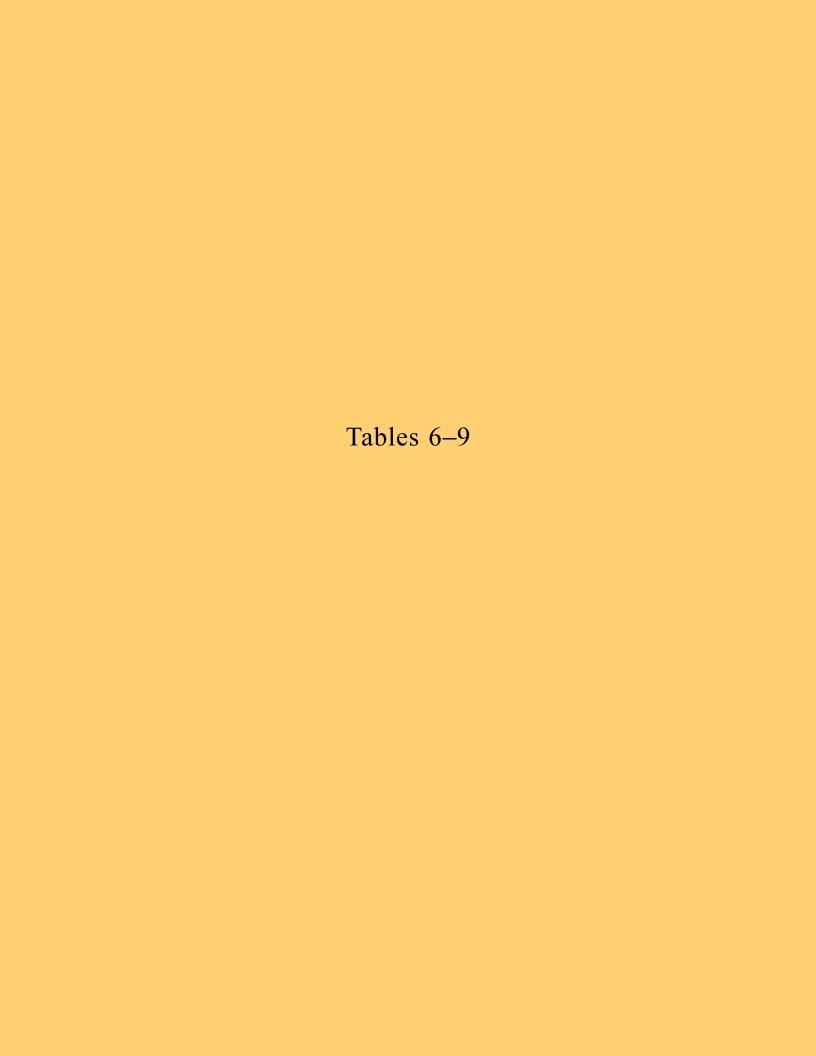


TABLE 6a. Annual nominal catches of cod (tons) by small Greenland boats (below 50 GRT) at West Greenland, 1911–95, by NAFO Divisions where landed. (NK = Division not known.) * Figures for 1966–70 contain small amounts landed by long-liners of the 51–150 GRT tonnage class, and for 1968 also 129 tons caught by a trawler of the 151–500 GRT tonnage class are included. For 1987 figures are for all vessels.

| Year | Div. F | 1E | 1D | 1C | 1B | 1A | 1NK | Total |
|--------------|--------------|------------|------------|--------------|--------------|------------|-----|----------------|
| 1911 | | | 19 | | | | 0 | 19 |
| 1912 | | | 5 | | | | 0 | 5 |
| 1913 | | | 66 | | | | 0 | 66 |
| 1914 | | | 60 | | | | 0 | 60 |
| 1915 | | | 45 | 6 | 47 | | 0 | 98 |
| 1916 | | | 103 | 24 | 66 | | 0 | 193 |
| 1917 | | | 59 | 28 | 67 | | 0 | 154 |
| 1918 | 169 | | 140 | 26 | 106 | | 0 | 441 |
| 1919 | 137 | 148 | 140 | 37 | 39 | | 0 | 501 |
| 1920 | 95 | 23 | 187 | 32 | 117 | | 0 | 454 |
| 1921 | 196 | 7 | 97 | 92 | 116 | | 0 | 508 |
| 1922 | 158 | 40 | 144 | 178 | 82 | | 0 | 602 |
| 1923 | 307 | 0 | 147 | 116 | 120 | | 0 | 690 |
| 1924 | 267 | 1 | 221 | 223 | 131 | | 0 | 843 |
| 1925 | 168 | 45 | 318 | 371 | 122 | | 0 | 1024 |
| 1926 | 499 | 170 | 673 | 785 | 97 | | 0 | 2224 |
| 1927 | 1027 | 305 | 982 | 974 | 282 | | 0 | 3570 |
| 1928 | 1199 | 497 | 1153 | 888 | 426 | | 0 | 4163 |
| 1929 | 2052 | 642 | 1335 | 1572 | 1479 | 105 | 0 | 7080 |
| 1930 | 2312 | 994 | 1681 | 2326 | 2208 | 137 | 0 | 9658 |
| 1931 | 2453 | 835 | 1520 | 2026 | 1905 | 315 | 0 | 9054 |
| 1932 | 3258 | 731 | 1042 | 2130 | 1713 | 358 | 0 | 9232 |
| 1933 | 2296 | 948 | 1148 | 1743 | 1799 | 304 | 0 | 8238 |
| 1934 | 3591 | 921 | 952 760 | 1473 | 2080 | 451 | 0 | 9468 |
| 1935 | 2466 | 670 | 769 | 1277 | 1870 | 524 | 0 | 7576 |
| 1936 | 2185 | 717 | 705 | 1199 | 2039 | 329 | 0 | 7174 |
| 1937 1938 | 2061 | 496 | 854 703 | 1433 | 1982 1743 | 135 258 | 0 | 6961 5492 |
| 1938 | 1035 1430 | 347 431 | 703 896 | 1406 1732 | 2256 | 416 | 0 | 7161 |
| 1939 | 1759 | 646 | 1061 | 1600 | 2478 | 482 | 0 | 8026 |
| 1940 | 1868 | 593 | 823 | 1473 | 3229 | 636 | 0 | 8622 |
| 1941 | 2733 | 1003 | 1332 | 2249 | 3831 | 879 | 0 | |
| 1942 | 2073 | 1134 | 1332 | 2016 | 5056 | 1507 | 0 | 12027 13026 |
| 1943 | 2168 | 1198 | 1547 | 2355 | 4322 | 1795 | 0 | 13385 |
| 1944 | 2192 | 1474 | 1207 | 2844 | 4987 | 1585 | 0 | 14289 |
| 1946 | 2715 | 1139 | 1438 | 2871 | 5210 | 1889 | 0 | 15262 |
| 1947 | 4118 | 1658 | 2096 | 3323 | 5261 | 1573 | 0 | 18029 |
| 1948 | 4820 | 1652 | 1657 | 3756 | 5660 | 1130 | 0 | 18675 |
| 1949 | 3140 | 2151 | 2110 | 3666 | 4580 | 1403 | 0 | 17050 |
| 1950 | 4383 | 2278 | 2357 | 4140 | 6358 | 1657 | 0 | 21173 |
| 1951 | 3605 | 2101 | 2571 | 3324 | 5322 | 1277 | 0 | 18200 |
| 1952 | 4078 | 2216 | 2437 | 2906 | 4443 | 646 | 0 | 16726 |
| 1953 | 4261 | 3093 | 5513 | 3662 | 5030 | 1092 | 0 | 22651 |
| 1954 | 3418 | 1773 | 3275 | 3118 | 6164 | 950 | 0 | 18698 |
| 1955 | 3614 | 2773 | 4061 | 3225 | 5523 | 591 | 0 | 19787 |
| 1956 | 3586 | 3292 | 5127 | 3175 | 5373 | 475 | 0 | 21028 |
| 1957 | 5251 | 4380 | 5257 | 3282 | 6146 | 277 | 0 | 24593 |
| 1958 | 6450 | 3975 | 5456 | 3724 | 6178 | 19 | 0 | 25802 |
| 1959 | 6570 | 3767 | 5009 | 5590 | 6404 | 237 | 0 | 27577 |
| 1960 | 6610 | 3626 | 3614 | 6230 | 6741 | 188 | 0 | 27009 |
| 1961 | 9709 | 6182 | 4178 | 6726 | 6569 | 601 | 0 | 33965 |
| 1962 | 11525 | 5638 | 3824 | 6269 | 7809 | 315 | 0 | 35380 |
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TABLE 6a. (Continued). Annual nominal catches of cod (tons) by small Greenland boats (below 50 GRT) at West Greenland, 1911–95, by NAFO Divisions where landed. (NK – Division not known.) * Figures for 1966–70 contain small amounts landed by long-liners of the 51–150 GRT tonnage class, and for 1968 also 129 tons caught by a trawler of the 151–500 GRT tonnage class are included. For 1987 figures are for all vessels.

| Year | Div. F | 1E | 1D | 1C | 1B | 1A | 1NK | Total |
|------|--------|-------|------|------|------|-----|------|-------|
| 1963 | 9037 | 3078 | 2804 | 3178 | 4877 | 295 | 0 | 23269 |
| 1964 | 4981 | 2206 | 8766 | 2447 | 3311 | 275 | 0 | 21986 |
| 1965 | 5447 | 2477 | 6046 | 4818 | 5209 | 325 | 0 | 24322 |
| 1966 | 4799 | 2335 | 7022 | 5669 | 8738 | 483 | 0 | 29046 |
| 1967 | 6132 | 2429 | 6747 | 6248 | 5658 | 310 | 0 | 27524 |
| 1968 | 7207 | 2837 | 6123 | 2738 | 1669 | 142 | 0 | 20716 |
| 1969 | 5568 | 2017 | 7540 | 4287 | 1767 | 57 | 0 | 21236 |
| 1970 | 5654 | 2424 | 3661 | 2219 | 1469 | 136 | 0 | 15563 |
| 1971 | 3933 | 1698 | 3802 | 2011 | 1807 | 255 | 0 | 13506 |
| 1972 | 3696 | 1533 | 3973 | 3328 | 1855 | 263 | 0 | 14648 |
| 1973 | 1581 | 1614 | 3682 | 1225 | 1362 | 158 | 0 | 9622 |
| 1974 | 1593 | 1628 | 2588 | 1449 | 926 | 454 | 0 | 8638 |
| 1975 | 1140 | 964 | 1269 | 1930 | 1038 | 216 | 0 | 6557 |
| 1976 | 831 | 1367 | 904 | 1224 | 644 | 204 | 0 | 5174 |
| 1977 | 4231 | 3521 | 2946 | 2505 | 580 | 216 | 0 | 13999 |
| 1978 | 7244 | 4642 | 2614 | 3244 | 1587 | 348 | 0 | 19679 |
| 1979 | 15201 | 9609 | 6378 | 2201 | 1768 | 433 | 0 | 35590 |
| 1980 | 14852 | 10647 | 7781 | 2269 | 2303 | 719 | 0 | 38571 |
| 1981 | 11505 | 7711 | 6119 | 3599 | 2810 | 281 | 7678 | 39703 |
| 1982 | 3621 | 4536 | 7186 | 3176 | 2448 | 206 | 5491 | 26664 |
| 1983 | 2500 | 5016 | 7330 | 3640 | 2803 | 148 | 7205 | 28642 |
| 1984 | 1333 | 1149 | 5414 | 1889 | 3908 | 175 | 6090 | 19958 |
| 1985 | 1245 | 1178 | 1976 | 957 | 2936 | 149 | 0 | 8441 |
| 1986 | 1268 | 1456 | 1209 | 255 | 1038 | 76 | 0 | 5302 |
| 1987 | 1678 | 4560 | 8110 | 536 | 2995 | 97 | 510 | 18486 |
| 1988 | 4484 | 3346 | 2992 | 1342 | 6294 | 333 | 0 | 18791 |
| 1989 | 4676 | 10845 | 8212 | 5671 | 8491 | 634 | 0 | 38529 |
| 1990 | 5241 | 1917 | 9826 | 1482 | 9857 | 476 | 0 | 28799 |
| 1991 | 4007 | 1089 | 2782 | 917 | 8641 | 876 | 0 | 18312 |
| 1992 | 450 | 239 | 1070 | 563 | 2710 | 695 | 0 | 5727 |
| 1993 | 109 | 19 | 970 | 168 | 327 | 333 | 0 | 1926 |
| 1994 | | | | | | | 2115 | 2115 |
| 1995 | | | | | | | 1710 | 1710 |

Note: Annual nominal catches of cod by Greenland summarized by NAFO Division and month are available from NAFO Secretariat (see also www.nafo.ca under statistics).

TABLE 6b. Annual nominal catches of cod (tons) by Greenland small boats (below 50 GRT) (see text to Table 6a) by NAFO Divisions and months, 1952–93. NK Division/month not known.

| Month | Div. 1F | 1E | 1D | 1C | 1B | 1A | 1NK | Total |
|-------|-------------|---------------------|---|--|---|--|---|--|
| | | (| Catches not b | oroken dowr | by month. | | | |
| NK | 4078 | 2216 | 2437 | 2906 | 4443 | 646 | | 16726 |
| Total | 4078 | 2216 | 2437 | 2906 | 4443 | 646 | 0 | 16726 |
| | | (| Catches not b | oroken dowr | by month. | | | |
| NK | 4261 | 3093 | 5513 | 3662 | 5030 | 1092 | | 22651 |
| Total | 4261 | 3093 | 5513 | 3662 | 5030 | 1092 | 0 | 22651 |
| - | Total NK | Total 4078 NK 4261 | NK 4078 2216 Total 4078 2216 NK 4261 3093 | NK 4078 2216 2437 Total 4078 2216 2437 Catches not 1 NK 4261 3093 5513 | NK 4078 2216 2437 2906 Total 4078 2216 2437 2906 Catches not broken down NK 4261 3093 5513 3662 | Total 4078 2216 2437 2906 4443 Catches not broken down by month. NK 4261 3093 5513 3662 5030 | NK 4078 2216 2437 2906 4443 646 Total 4078 2216 2437 2906 4443 646 Catches not broken down by month. NK 4261 3093 5513 3662 5030 1092 | NK 4078 2216 2437 2906 4443 646 Total 4078 2216 2437 2906 4443 646 0 Catches not broken down by month. NK 4261 3093 5513 3662 5030 1092 |

TABLE 6b. (Continued). Annual nominal catches of cod (tons) by Greenland small boats (below 50 GRT) (see text to Table 6a) by NAFO Divisions and months, 1952–93. NK Division/month not known.

| Year | Month | Div. 1F | 1E | 1D | 1C | 1B | 1A | 1NK | Total |
|------|----------|------------|----------|---------------|-------------|-------------|-----|-----|------------|
| | | | | Catches not l | broken dowi | n by month. | | | |
| 1954 | NK | 3418 | 1773 | 3275 | 3118 | 6164 | 950 | | 18698 |
| | Total | 3418 | 1773 | 3275 | 3118 | 6164 | 950 | 0 | 18698 |
| | | | | Catches not l | broken dowi | n by month. | | | |
| 1955 | NK | 3614 | 2773 | 4061 | 3225 | 5523 | 591 | | 19787 |
| | Total | 3614 | 2773 | 4061 | 3225 | 5523 | 591 | 0 | 19787 |
| 1956 | 5 | 145 | 211 | 1132 | 183 | 37 | | | 1708 |
| | 6 | 266 | 481 | 930 | 355 | 266 | | | 2298 |
| | 7 | 962 | 904 | 481 | 828 | 787 | 10 | | 3972 |
| | 8 | 893 | 748 | 126 | 669 | 2473 | 257 | | 5166 |
| | 9 | 658 | 518 | 227 | 361 | 1510 | 108 | | 3382 |
| | 10 | 366 | 267 | 144 | 389 | 225 | 100 | | 1491 |
| | 11 | 184 | 76 | 18 | 228 | 49 | | | 555 |
| | 12 | 67 | 38 | 426 | 63 | 18 | | | 612 |
| | NK | 45 | 49 | 1643 | 99 | 8 | | | 1844 |
| | Total | 3586 | 3292 | 5127 | 3175 | 5373 | 475 | 0 | 21028 |
| 1957 | 1 | | | | | | | | 0 |
| | 2 | 27 | | 334 | 8 | | | | 369 |
| | 3 | 24 | | 460 | 4 | | | | 488 |
| | 4 | 45 | 16 | 320 | 3 | | | | 384 |
| | 5 | 302 | 352 | 1420 | 107 | 35 | | | 2216 |
| | 6 | 636 | 742 | 741 | 439 | 361 | | | 2919 |
| | 7 | 1398 | 1340 | 565 | 891 | 988 | 53 | | 5235 |
| | 8 | 1051 | 911 | 321 | 994 | 2774 | 113 | | 6164 |
| | 9 | 815 | 683 | 524 | 518 | 1479 | 108 | | 4127 |
| | 10 | 543 | 197 | 195 | 227 | 389 | 3 | | 1554 |
| | 11 12 | 276 134 | 95 44 | 128 249 | 63 28 | 96 24 | | | 658 479 |
| | NK | 134 | 44 | 249 | 20 | 24 | | | 4/9 |
| | Total | 5251 | 4380 | 5257 | 3282 | 6146 | 277 | 0 | 24593 |
| 1958 | 1 | 81 | | 65 | | | | | 146 |
| | 2 | 81 | 2 | 68 | | | | | 151 |
| | 3 | 109 | 6 | 219 | | | | | 334 |
| | 4 | 117 | 21 | 400 | 32 | | | | 570 |
| | 5 | 424 | 228 | 1286 | 97 | 21 | | | 2056 |
| | 6 | 904 | 458 | 1574 | 559 | 301 | | | 3796 |
| | 7 | 1377 | 980 | 629 | 1205 | 1449 | • | | 5640 |
| | 8 | 1306 | 1168 | 424 | 923 | 2936 | 8 | | 6765 |
| | 9 | 860 | 458 | 232 | 369 | 974 422 | 6 | | 2899 |
| | 10 | 482 | 275 | 222 | 369 | 422 | 5 | | 1775 |
| | 11 12 | 379 | 251 | 186 | 134 | 60 | | | 1010 |
| | 12 NK | 330 | 128 | 151 | 36 | 15 | | | 660 0 |
| | | | • • | | | 24 = A | | _ | |
| | Total | 6450 | 3975 | 5456 | 3724 | 6178 | 19 | 0 | 25802 |

TABLE 6b. (Continued). Annual nominal catches of cod (tons) by Greenland small boats (below 50 GRT) (see text to Table 6a) by NAFO Divisions and months, 1952–93. NK Division/month not known.

| | Month | D: 1E | 1.0 | 1D | 1.0 | 1 D | 1 4 | 1NV | Total |
|------|-------------|---------------------|---------------------|--------------------|-------------|-------------|------------|-----|--------------|
| Year | Month | Div. 1F | 1E | 1D | 1C | 1B | 1A | 1NK | Total |
| 1959 | 1 | 83 | 113 | 141 | 8 | | | | 345 |
| | 2 3 | 76 129 | 76 15 | 99 89 | 2 | | | | 251 |
| | 3 4 | 227 | 55 | 358 | 127 | | | | 235 767 |
| | 5 | 267 | 493 | 1947 | 411 | 159 | | | 3277 |
| | 6 | 1539 | 620 | 993 | 940 | 488 | | | 4580 |
| | 7 | 1337 | 865 | 486 | 1886 | 1750 | 63 | | 5050 |
| | 8 | 1479 | 761 | 321 | 1262 | 2565 | 100 | | 6488 |
| | 9 | 1198 | 289 | 147 | 428 | 1071 | 71 | | 3204 |
| | 10 | 1016 | 230 | 165 | 327 | 302 | 3 | | 2043 |
| | 11 | 317 | 193 | 133 | 86 | 66 | | | 795 |
| | 12 | 239 | 57 | 130 | 113 | 3 | | | 542 |
| | NK | | | | | | | | 0 |
| | Total | 6570 | 3767 | 5009 | 5590 | 6404 | 237 | 0 | 27577 |
| 1960 | 1 | 110 | 47 | 69 | 19 | | | | 245 |
| | 2 | 154 | 2 | 65 | | | | | 221 |
| | 3 | 143 | | 37 | 3 | | | | 183 |
| | 4 | 254 | 79 | 193 | 86 | | | | 612 |
| | 5 | 489 | 473 | 904 | 795 | 115 | | | 2776 |
| | 6 | 614 | 748 | 935 | 1139 | 502 | | | 3938 |
| | 7 | 1006 | 617 | 525 | 1471 | 1679 | 3 | | 5301 |
| | 8 | 919 | 469 | 247 | 1461 | 2659 | 67 | | 5822 |
| | 9 | 1176 | 411 | 254 | 446 | 1098 | 104 | | 3489 |
| | 10 | 643 | 353 | 225 | 395 | 518 | 14 | | 2148 |
| | 11 | 681 | 262 | 84 | 253 | 154 | | | 1434 |
| | 12 | 421 | 165 | 76 | 162 | 16 | | | 840 |
| | NK | | | | | | | | 0 |
| | Total | 6610 | 3626 | 3614 | 6230 | 6741 | 188 | 0 | 27009 |
| 1961 | 1 | 248 | 50 | 37 | 13 | | | | 348 |
| | 2 | 348 | 63 | 78 | 11 | | | | 500 |
| | 3 | 289 | 73 | 92 | 6 | | | | 460 |
| | 4 | 436 | 386 | 337 | 96 | 3 | | | 1258 |
| | 5 | 1230 | 951 | 1390 | 706 | 230 | | | 4507 |
| | 6 | 1571 | 1393 | 782 | 1620 | 967 | 102 | | 6333 |
| | 7 | 1338 | 1396 | 462 | 2072 | 1750 | 103 | | 7121 |
| | 8 9 | 1206 | 758 306 | 314 276 | 1231 407 | 2122 965 | 186 231 | | 5970 3391 |
| | 10 | 624 | 332 | 146 | 352 | 437 | 79 | | 1970 |
| | 11 | 569 | 306 | 154 | 102 | 71 | 2 | | 1204 |
| | 12 | 491 | 168 | 110 | 110 | 24 | 2 | | 903 |
| | NK | 471 | 100 | 110 | 110 | 24 | | | 0 |
| | Total | 9709 | 6182 | 4178 | 6726 | 6569 | 601 | 0 | 33965 |
| 1062 | 1 | 227 | 50 | 49 | ······ | | | | 437 |
| 1962 | 1 2 | 327 149 | 58 10 | 31 | 3 2 | | | | 437 192 |
| | 3 | 421 | 149 | 87 | 39 | | | | 696 |
| | 5 | | | | | 1.0 | | | |
| | 4 | 543 | 492 | 788 | 1 × × | 111 | | | 14/1 |
| | 4 5 | 543 1722 | 492 1259 | 288 1059 | 138 816 | 10 379 | | | 1471 5235 |
| | 4 5 6 | 543 1722 1450 | 492 1259 1346 | 288 1059 731 | 816 1740 | 379 1722 | | | 5235 6989 |

TABLE 6b. (Continued). Annual nominal catches of cod (tons) by Greenland small boats (below 50 GRT) (see text to Table 6a) by NAFO Divisions and months, 1952–93. NK Division/month not known.

| Year | Month | Div. 1F | 1E | 1D | 1C | 1B | 1A | 1NK | Total |
|------|-------|---------|------|------|------|------|-----|-----|-------|
| 1962 | 8 | 2048 | 662 | 204 | 1341 | 2187 | 147 | | 6589 |
| | 9 | 1373 | 462 | 188 | 311 | 1156 | 110 | | 3600 |
| | 10 | 655 | 275 | 260 | 212 | 455 | 36 | | 1893 |
| | 11 | 564 | 141 | 136 | 63 | 27 | 2 | | 933 |
| | 12 | 471 | 91 | 52 | 70 | 5 | | | 689 |
| | NK | | | | | | | | 0 |
| | Total | 11525 | 5638 | 3824 | 6269 | 7809 | 315 | 0 | 35380 |
| 1963 | 1 | 193 | 24 | 36 | 3 | | | | 256 |
| | 2 | 107 | 7 | 11 | | | | | 125 |
| | 3 | 303 | 6 | 5 | 3 | | | | 317 |
| | 4 | 686 | 80 | 61 | 59 | | | | 886 |
| | 5 | 1671 | 529 | 519 | 374 | 47 | | | 3140 |
| | 6 | 1664 | 784 | 539 | 1072 | 478 | | | 4537 |
| | 7 | 1352 | 652 | 467 | 670 | 1168 | 2 | | 4311 |
| | 8 | 1229 | 393 | 144 | 511 | 1936 | 127 | | 4340 |
| | 9 | 620 | 214 | 37 | 137 | 1135 | 135 | | 2278 |
| | 10 | 616 | 44 | 26 | 124 | 96 | 31 | | 937 |
| | 11 | 501 | 309 | 52 | 123 | 15 | | | 1000 |
| | 12 | 95 | 36 | 16 | 102 | 2 | | | 251 |
| | NK | | | 891 | | | | | 891 |
| | Total | 9037 | 3078 | 2804 | 3178 | 4877 | 295 | 0 | 23269 |
| 1964 | 1 | 121 | 7 | 81 | 5 | | | | 214 |
| | 2 | 47 | 5 | 67 | | | | | 119 |
| | 3 | 63 | 4 | 23 | 1 | | | | 91 |
| | 4 | 110 | 59 | 100 | 32 | 8 | | | 309 |
| | 5 | 704 | 517 | 835 | 309 | 30 | | | 2395 |
| | 6 | 510 | 520 | 1908 | 934 | 730 | | | 4602 |
| | 7 | 826 | 248 | 2202 | 721 | 897 | 31 | | 4925 |
| | 8 | 1409 | 512 | 2392 | 193 | 844 | 179 | | 5529 |
| | 9 | 426 | 70 | 847 | 101 | 650 | 59 | | 2153 |
| | 10 | 210 | 8 | 101 | 29 | 137 | 6 | | 491 |
| | 11 | 343 | 173 | 104 | 32 | 15 | | | 667 |
| | 12 | 212 | 83 | 106 | 90 | | | | 491 |
| | NK | | | | | | | | 0 |
| | Total | 4981 | 2206 | 8766 | 2447 | 3311 | 275 | 0 | 21986 |
| 1965 | 1 | 78 | 22 | 177 | 12 | | | | 289 |
| | 2 | 49 | 1 | 55 | 2 | | | | 107 |
| | 3 | 77 | 35 | 165 | 41 | | | | 318 |
| | 4 | 129 | 18 | 220 | 83 | 2 | | | 452 |
| | 5 | 925 | 188 | 1027 | 580 | 123 | | | 2843 |
| | 6 | 691 | 508 | 697 | 1132 | 776 | | | 3804 |
| | 7 | 898 | 694 | 1126 | 777 | 1464 | 45 | | 5004 |
| | 8 | 786 | 454 | 538 | 580 | 1490 | 110 | | 3958 |
| | 9 | 484 | 54 | 466 | 280 | 788 | 143 | | 2215 |
| | 10 | 532 | 184 | 583 | 498 | 409 | 27 | | 2233 |
| | 11 | 426 | 165 | 542 | 427 | 139 | | | 1699 |
| | 12 | 372 | 154 | 450 | 406 | 18 | | | 1400 |
| | NK | | | | | | | | 0 |
| | Total | 5447 | 2477 | 6046 | 4818 | 5209 | 325 | 0 | 24322 |
| | | | | | | | | | |

TABLE 6b. (Continued). Annual nominal catches of cod (tons) by Greenland small boats (below 50 GRT) (see text to Table 6a) by NAFO Divisions and months, 1952–93. NK Division/month not known.

| Year | Month | Div. 1F | 1E | 1D | 1C | 1B | 1A | 1NK | Total |
|----------|----------|------------|----------|------------|------------|-----------|-----|-----|--------------|
| 1966 | 1 | 139 | 43 | 620 | 123 | | | | 925 |
| | 2 | 63 | 13 | 413 | 30 | | | | 519 |
| | 3 | 154 | 27 | 315 | 165 | | | | 661 |
| | 4 | 244 | 39 | 337 | 232 | 9 | | | 861 |
| | 5 | 539 | 207 | 1042 | 504 | 307 | | | 2599 |
| | 6 | 770 | 871 | 1159 | 1254 | 1502 | | | 5556 |
| | 7 | 573 | 643 | 823 | 969 | 2347 | 39 | | 5394 |
| | 8 | 733 | 246 | 747 | 864 | 2414 | 261 | | 5265 |
| | 9 | 393 | 78 53 | 522 | 253 | 1386 | 131 | | 2763 |
| | 10 11 | 476 337 | 53 26 | 455 | 346 422 | 508 | 52 | | 1890 1223 |
| | 11 | 378 | 26 89 | 272 317 | 507 | 166 99 | | | 1390 |
| | NK | 3/8 | 89 | 317 | 307 | 99 | | | 1390 |
| | | | | | | | | _ | |
| | Total | 4799 | 2335 | 7022 | 5669 | 8738 | 483 | 0 | 29046 |
| 1967 | 1 | 198 | 120 | 590 | 379 | 38 | | | 1325 |
| | 2 | 151 | 38 | 116 | 147 | | | | 452 |
| | 3 | 109 | 35 | 188 | 13 | | | | 345 |
| | 4 | 66 | 27 | 279 | 69 | | | | 441 |
| | 5 | 450 | 238 | 948 | 757 | 55 | | | 2448 |
| | 6 | 935 | 401 | 1508 | 1529 | 796 | | | 5169 |
| | 7 | 1199 | 755 | 1069 | 1262 | 1619 | 17 | | 5921 |
| | 8 | 1053 | 455 | 595 | 759 | 1603 | 159 | | 4624 |
| | 9 | 619 | 50 | 226 | 172 | 824 | 90 | | 1981 |
| | 10 | 653 | 68 | 348 | 368 | 492 | 38 | | 1967 |
| | 11 | 393 | 102 | 319 | 281 | 138 | 6 | | 1239 |
| | 12 | 306 | 140 | 561 | 512 | 93 | | | 1612 |
| | NK | | | | | | | | 0 |
| | Total | 6132 | 2429 | 6747 | 6248 | 5658 | 310 | 0 | 27524 |
| 1968 | 1 | 127 | 25 | 341 | 99 | 1 | | | 593 |
| | 2 | 75 | 9 | 101 | 20 | | | | 205 |
| | 3 | 45 | 7 | 119 | 1 | 7 | | | 179 |
| | 4 | 60 | 36 | 113 | 37 | 1 | | | 247 |
| | 5 | 459 | 368 | 1471 | 256 | 9 | | | 2563 |
| | 6 | 893 | 655 | 1754 | 673 | 121 | | | 4096 |
| | 7 | | 1050 | 1206 | 862 | 324 | | | 4606 |
| | 8 | 1483 | 255 | 341 | 248 | 564 | 63 | | 2954 |
| | 9 | 1300 | 57 | 263 | 92 | 313 | 53 | | 2078 |
| | 10 | 730 | 104 | 138 | 138 | 245 | 26 | | 1381 |
| | 11 | 558 | 178 | 185 | 62 | 74 | | | 1057 |
| | 12 | 313 | 93 | 91 | 250 | 10 | | | 757 |
| | NK | | | | | | | | 0 |
| | Total | 7207 | 2837 | 6123 | 2738 | 1669 | 142 | 0 | 20716 |
| 1969 | 1 | 58 | 20 | 20 | 143 | | | | 241 |
| .,0, | 2 | 46 | 8 | 25 | 51 | | | | 130 |
| | 3 | 51 | 8 | 7 | 7 | | | | 73 |
| | 4 | 57 | 22 | 13 | 33 | | 1 | | 126 |
| | | 51 | | 1.5 | 55 | | 1 | | 120 |
| | 5 | 114 | 49 | 142 | 235 | 1 | 1 | | 542 |

TABLE 6b. (Continued). Annual nominal catches of cod (tons) by Greenland small boats (below 50 GRT) (see text to Table 6a) by NAFO Divisions and months, 1952–93. NK Division/month not known.

| 3936 5182 1255 723 466 351 5466 0 21236 215 55 25 28 90 893 3315 4230 |
|--|
| 5182 1255 723 461 351 5466 0 21236 215 55 22 28 90 893 3315 4230 |
| 723 461 351 5466 0 21236 215 55 225 28 90 893 3315 4230 |
| 461 351 5466 0 21236 215 55 226 90 893 3315 4230 |
| 351 5466 0 21236 215 55 25 28 90 893 3315 4230 |
| 5466 0 21236 215 55 25 28 90 893 3315 4230 |
| 0 21236 215 55 25 28 90 893 3315 4230 |
| 215 55 25 28 90 893 3315 4230 |
| 55 25 28 90 893 3315 4230 |
| 25 28 90 893 3315 4230 |
| 28 90 893 3315 4230 |
| 90 893 3315 4230 |
| 893 3315 4230 |
| 3315 4230 |
| 4230 |
| |
| |
| 2801 |
| 932 |
| 432 |
| 282 |
| 2265 |
| 0 15563 |
| 83 |
| 10 |
| 11 |
| 20 |
| 55 |
| 1036 |
| 3304 |
| 3087 |
| 1355 |
| 596 |
| 321 |
| 150 |
| 3478 0 13506 |
| |
| |
| 14648 |
| 0 14648 |
| Ģ |
| (|
| 12 |
| 374 |
| 615 |
| 804 |
| |
| 2918 2534 |
| |

TABLE 6b. (Continued). Annual nominal catches of cod (tons) by Greenland small boats (below 50 GRT) (see text to Table 6a) by NAFO Divisions and months, 1952–93. NK Division/month not known.

| Year | Month | Div. 1F | 1E | 1D | 1C | 1B | 1A | 1NK | Total |
|-------|----------|------------|------------|----------|------------|-----------|----------|-----|-------------|
| 1973 | 9 | 346 | 205 | 195 | 106 | 56 | 66 | | 974 |
| | 10 | 186 | | 316 | 23 | 47 | 21 | | 593 |
| | 11 | 104 | | 93 | 53 | | 1 | | 251 |
| | 12 | 34 | 95 | 8 | 1 | 1 | | | 139 |
| | NK | | | | 399 | | | | 399 |
| | Total | 1581 | 1614 | 3682 | 1225 | 1362 | 158 | 0 | 9622 |
| 1974 | 1 | 10 | | 2 | | 2 | 15 | | 29 |
| | 2 | 2 | | 1 | | 6 | 8 | | 17 |
| | 3 | 1 | | 1 | | 2 | 7 | | 11 |
| | 4 | 1 | 2 | 5 | 2 | 1 | 9 | | 20 |
| | 5 | 38 | 4 | 24 | 69 | 34 | 6 | | 175 |
| | 6 | 15 | 51 | 19 | 270 | 383 | 6 | | 744 |
| | 7 | 66 | 800 | 60 | 476 | 298 | 48 | | 1748 |
| | 8 | 545 | 571 | 7 | 179 | 136 | 129 | | 1560 |
| | 9 | 523 | 31 | 7 | 50 | 32 | 101 | | 744 |
| | 10 | 230 | 0 | 11 | 30 5 | 16 | 50 52 | | 337 |
| | 11 12 | 114 48 | 8 5 | 8 3 | 3 | 11 5 | 23 | | 198 84 |
| | NK | 40 | 156 | 2447 | 368 | 3 | 23 | | 2971 |
| | Total | 1502 | 1628 | 2588 | 1449 | 926 | 454 | 0 | 8638 |
| | 10tai | 1393 | 1028 | 2300 | 1449 | 920 | 434 | | |
| 1975 | 1 | 28 | | 4 | 1 | | 3 | | 36 |
| | 2 | 6 | 1 | 3 | 2 | | 6 | | 18 |
| | 3 | 2 | | 2 | 5 | | 6 | | 15 |
| | 4 | 16 | | 35 | 6 | 43 | 6 | | 106 |
| | 5 | 37 | 12 | 170 | 139 | 40 | 1 | | 399 |
| | 6 | 21 | 31 | 71 | 445 | 575 | 2 | | 1145 |
| | 7 8 | 155 366 | 235 239 | 65 23 | 505 119 | 310 29 | 27 92 | | 1297 868 |
| | 9 | 190 | 16 | 4 | 62 | 16 | 32 | | 320 |
| | 10 | 198 | 9 | 6 | 21 | 17 | 31 | | 282 |
| | 11 | 100 | 8 | 9 | 5 | 5 | 10 | | 137 |
| | 12 | 21 | 1 | 6 | 2 | 1 | 10 | | 31 |
| | NK | | 412 | 871 | 618 | 2 | | | 1903 |
| | Total | 1140 | 964 | 1269 | 1930 | 1038 | 216 | 0 | 6557 |
| 1976 | 1 | 1 | | 2 | | | | | 3 |
| 1,,,, | 2 | - | | 2 | 1 | | 3 | | 6 |
| | 3 | | 1 | 2 | 1 | 4 | 4 | | 12 |
| | 4 | 1 | 1 | 18 | 1 | 9 | 3 | | 33 |
| | 5 | 7 | 23 | 74 | 10 | 6 | 4 | | 124 |
| | 6 | 37 | 127 | 88 | 162 | 90 | 1 | | 505 |
| | 7 | 95 | 538 | 45 | 525 | 405 | 44 | | 1652 |
| | 8 | 189 | 162 | 37 | 225 | 91 | 62 | | 766 |
| | 9 | 262 | 310 | 9 | 46 | 11 | 38 | | 676 |
| | 10 | 127 | 43 | 6 | 29 | 7 | 32 | | 244 |
| | 11 | 49 | | 4 | 5 | 5 | 8 | | 71 |
| | 12 | 63 | 11 | 6 | 2 | 16 | 5 | | 103 |
| | NK | | 151 | 611 | 217 | | | | 979 |
| | Total | 831 | 1367 | 904 | 1224 | 644 | 204 | 0 | 5174 |

TABLE 6b. (Continued). Annual nominal catches of cod (tons) by Greenland small boats (below 50 GRT) (see text to Table 6a) by NAFO Divisions and months, 1952–93. NK Division/month not known.

| Year | Month | Div. 1F | 1E | 1D | 1C | 1B | 1A | 1NK | Total |
|----------|-------|---------|------|------|------|------|-----|-----|-------|
| 1977 | 1 | 7 | 1 | 1 | | | 2 | | 11 |
| | 2 | 5 | | 6 | 3 | 1 | 1 | | 16 |
| | 3 | 11 | 1 | 3 | | 1 | 3 | | 19 |
| | 4 | 12 | 3 | 16 | | | 2 | | 33 |
| | 5 | 185 | 270 | 23 | 387 | 45 | 1 | | 911 |
| | 6 | 357 | 293 | 55 | 549 | 234 | 5 | | 1493 |
| | 7 | 667 | 1370 | 38 | 780 | 170 | 46 | | 3071 |
| | 8 | 1214 | 500 | 12 | 364 | 82 | 52 | | 2224 |
| | 9 | 882 | 138 | 4 | 66 | 14 | 50 | | 1154 |
| | 10 | 365 | 131 | 10 | 16 | 12 | 43 | | 577 |
| | 11 | 240 | 18 | 1 | 2 | 6 | 7 | | 274 |
| | 12 | 286 | | | | 10 | 4 | | 300 |
| | NK | | 796 | 2777 | 338 | 5 | | | 3916 |
| | Total | 4231 | 3521 | 2946 | 2505 | 580 | 216 | 0 | 13999 |
| 1978 | 1 | 55 | | 3 | | | | | 58 |
| | 2 | 71 | | 1 | | | 3 | | 75 |
| | 3 | 32 | | 5 | 32 | 2 | 6 | | 77 |
| | 4 | 88 | | 24 | 4 | 3 | 1 | | 120 |
| | 5 | 319 | | 41 | 99 | 304 | 1 | | 764 |
| | 6 | 545 | 220 | 51 | 932 | 639 | 6 | | 2393 |
| | 7 | 1525 | 1651 | 63 | 1567 | 490 | 116 | | 5412 |
| | 8 | 1914 | 928 | 49 | 205 | 83 | 117 | | 3296 |
| | 9 | 1128 | 722 | 21 | 115 | 18 | 39 | | 2043 |
| | 10 | 428 | 40 | 21 | 22 | 21 | 43 | | 575 |
| | 11 | 339 | 29 | 7 | 4 | 19 | 16 | | 414 |
| | 12 | 661 | 43 | 8 | 2 | 3 | 10 | | 717 |
| | NK | 139 | 1009 | 2320 | 262 | 5 | | | 3735 |
| | Total | | 4642 | 2614 | 3244 | 1587 | 348 | 0 | 19679 |
| 1979 | 1 | 292 | 4 | 10 | 256 | 2 | | | 564 |
| 17/7 | 2 | 185 | 7 | 5 | 230 | 5 | 1 | | 196 |
| | 3 | 372 | 1 | 5 | | 63 | 1 | | 442 |
| | 4 | 566 | 91 | 44 | | 93 | 11 | | 805 |
| | 5 | | 1010 | 77 | | 214 | 33 | | 2988 |
| | 6 | | 1350 | 42 | 399 | 505 | 39 | | 3504 |
| | 7 | 2597 | | 19 | 398 | 620 | 150 | | 6032 |
| | 8 | | 2418 | 17 | 172 | 136 | 75 | | 5919 |
| | 9 | 1548 | 2410 | 8 | 279 | 38 | 50 | | 1923 |
| | 10 | 1127 | 666 | 23 | 344 | 53 | 59 | | 2272 |
| | 11 | 1029 | 276 | 18 | 26 | 19 | 14 | | 1382 |
| | 12 | 298 | 71 | 5 | 1 | 13 | 14 | | 388 |
| | NK | 1263 | 1474 | 6105 | 326 | 7 | | | 9175 |
| | Total | 15201 | 9609 | 6378 | 2201 | 1768 | 433 | 0 | 35590 |
| 1980 | 1 | 149 | 18 | 7 | 6 | 22 | | | 202 |
| | 2 | 147 | 18 | 15 | 15 | 30 | 1 | | 226 |
| | 3 | 176 | | 32 | 7 | 22 | 25 | | 262 |
| | 4 | 170 | | 80 | 5 | 33 | 13 | | 301 |
| | 5 | 341 | 275 | 85 | 103 | 337 | 88 | | 1229 |
| | 6 | 750 | 365 | 58 | 534 | 883 | 218 | | 2808 |

TABLE 6b. (Continued). Annual nominal catches of cod (tons) by Greenland small boats (below 50 GRT) (see text to Table 6a) by NAFO Divisions and months, 1952–93. NK Division/month not known.

| Year Mon | th Div. 1F | 1. | 15 | 10 | | | | |
|----------|------------|-------------|-------------|-------------|------------|----------|------|--------------|
| | | 1E | 1D | 1C | 1B | 1A | 1NK | Total |
| 1980 7 | 3947 | 1754 | 42 | 608 | 669 | 174 | | 7194 |
| 8 | 2768 | 1873 | 21 | 368 | 77 | 61 | | 5168 |
| 9 | 1829 | 750 | 27 | 235 | 38 | 44 | | 2923 |
| 10 | 1118 | 501 | 41 | 78 | 78 | 50 | | 1866 |
| 11 | 1503 | 216 | 12 | 36 | 59 | 31 | | 1857 |
| 12 | | | 3 | 14 | 29 | 14 | | 929 |
| NK | | 4842 | 7358 | 260 | 26 | | | 13606 |
| Tota | ıl 14852 | 10647 | 7781 | 2269 | 2303 | 719 | 0 | 38571 |
| 1981 1 | 169 | | 2 | 6 | 3 | 1 | | 181 |
| 2 | 194 | | 1 | 4 | 4 | 1 | | 204 |
| 3 | 247 | 20 | 21 | 230 | 6 | 5 | | 529 |
| 4 | 154 | 1.7 | 69 | 48 | 35 | 5 | | 311 |
| 5 | 234 | 17 | 111 | 57 | 322 | 2 | | 743 |
| 6 7 | 746 774 | 25 643 | 161 | 965 | 1408 | 77 68 | | 3382 |
| 8 | 3042 | 643 1936 | 26 6 | 1208 514 | 838 80 | 68 42 | | 3557 5620 |
| 9 | 1589 | 422 | 8 | 171 | 19 | 16 | | 2225 |
| 10 | | 187 | 43 | 146 | 42 | 34 | | 1481 |
| 11 | 861 | 79 | 13 | 230 | 46 | 20 | | 1249 |
| 12 | | 9 | 5 | 12 | 7 | 10 | | 250 |
| NK | | 4373 | 5653 | 8 | | | 7678 | 19971 |
| Tota | nl 11505 | 7711 | 6119 | 3599 | 2810 | 281 | 7678 | 39703 |
| 1982 1 | 23 | | 15 | 204 | 1 | | | 243 |
| 2 | 1 | | 18 | | 5 | 1 | | 25 |
| 3 | 86 | 98 | 20 | | | 6 | | 210 |
| 4 | 108 | 93 | 38 | | 12 | 12 | | 263 |
| 5 | 39 | 173 | 207 | 35 | 50 | 4 | | 508 |
| 6 | 205 | 8 | 459 | 527 | 491 | 1 | | 1691 |
| 7 | 83 | 145 | 1553 | 524 | 951 265 | 29 | | 3285 |
| 8 | 476 | | 1539 | 670 274 | 265 | 51 | | 5474 3919 |
| 10 | 874 921 | 960 270 | 1579 801 | 334 | 204 393 | 28 27 | | 2746 |
| 11 | 731 | 270 | 561 | 334 | 62 | 43 | | 2001 |
| 12 | | 46 | 41 | 4 | 14 | 4 | | 168 |
| NK | | | 355 | 270 | | | 5491 | 6131 |
| Tota | al 3621 | | 7186 | | 2448 | 206 | 5491 | 26664 |
| 1983 1 | | 18 | | | 8 | 1 | | 27 |
| 2 | 1 | | | | 13 | 2 | | 16 |
| 3 | | 75 | | 1 | 2 | 3 | | 81 |
| 4 | 3 | 113 | | 6 | 16 | 3 | | 141 |
| 5 | 2 | 52 | | 31 | 55 | 1 | | 141 |
| 6 | 191 | 53 | | 617 | 648 | | | 1509 |
| 7 | 244 | 344 | | 752 | 1412 | 18 | | 2770 |
| 8 | 198 | | 606 | 619 | 423 | 21 | | 3961 |
| 9 | 724 | | 1269 | 584 | 108 | 32 | | 4453 |
| 10 | | 322 | 606 | 689 | 64 | 42 | | 2441 |
| 11 | | | 142 | 325 | 47 | 25 | | 969 |
| 12 NK | | 20 | 1907 | 15 1 | 6 1 | | 7205 | 69 12164 |
| NK | | 5016 | 4807 | 3640 | | | 7205 | 12164 |
| Tota | | | 7430 | | 2803 | 148 | 7205 | 28742 |

TABLE 6b. (Continued). Annual nominal catches of cod (tons) by Greenland small boats (below 50 GRT) (see text to Table 6a) by NAFO Divisions and months, 1952–93. NK Division/month not known.

| 1984 | | | | | | | | | Total |
|------|-------|------|------|---------------|-------------|-----------|-------|------|-------|
| 1984 | 1 | | | 1 | 2 | 25 | | | 28 |
| | 2 | 5 | | 3 | 1 | 32 | | | 41 |
| | 3 | 6 | | 5 | 8 | 27 | 1 | | 47 |
| | 4 | | | 14 | 29 | 61 | 1 | | 105 |
| | 5 | | 1 | 349 | 38 | 138 | 1 | | 527 |
| | 6 | 51 | 15 | 637 | 211 | 1052 | 1 | | 1967 |
| | 7 | 103 | 63 | 670 | 615 | 2042 | 7 | | 3500 |
| | 8 | 22 | 35 | 970 | 56 | 229 | 20 | | 1332 |
| | 9 | 112 | 378 | 2261 | 158 | 54 | 28 | | 2991 |
| | 10 | 528 | 283 | 432 | 250 | 78 | 70 | | 1641 |
| | 11 | 469 | 257 | 60 | 519 | 76 | 41 | | 1422 |
| | 12 | 37 | 117 | 11 | 2 | 26 | 5 | 6000 | 198 |
| | NK | | | 1 | | 68 | | 6090 | 6159 |
| | Total | 1333 | 1149 | 5414 | 1889 | 3908 | 175 | 6090 | 19958 |
| 1985 | 1 | 2 | 1 | 9 | 3 | 20 | 7 | | 42 |
| | 2 | 22 | | 16 | 7 | 29 | 1 | | 75 |
| | 3 | 7 | | 6 | 12 | 47 | | | 72 |
| | 4 | 21 | | 56 | 27 | 57 | 3 | | 164 |
| | 5 | 80 | 10 | 173 | 210 | 233 | 1 | | 707 |
| | 6 | 40 | 19 | 207 | 330 | 1228 | 8 | | 1832 |
| | 7 | 55 | 57 | 210 | 118 | 782 | 30 | | 1252 |
| | 8 | 101 | 406 | 609 | 9 | 41 | 15 | | 1181 |
| | 9 | 530 | 449 | 408 | 30 | 48 | 23 | | 1488 |
| | 10 | 279 | 159 | 246 | 135 | 45 | 29 | | 893 |
| | 11 | 90 | 77 | 24 | 71 | 85 | 26 | | 373 |
| | 12 | 6 | | 12 | 5 | 53 | 6 | | 82 |
| | NK | 12 | | | | 268 | | | 280 |
| | Total | 1245 | 1178 | 1976 | 957 | 2936 | 149 | 0 | 8441 |
| 1986 | 1 | 2 | | 7 | 2 | 35 | | | 46 |
| | 2 | 6 | | 38 | 2 | 2 | | | 48 |
| | 3 | 7 | 18 | 74 | 3 | 2 | 3 | | 107 |
| | 4 | 14 | 62 | 75 | 7 | 31 | 7 | | 196 |
| | 5 | 32 | 19 | 102 | 26 | 61 | 1 | | 241 |
| | 6 | 50 | 54 | 69 | 78 | 280 | 3 | | 534 |
| | 7 | 82 | 185 | 293 | 53 | 384 | 4 | | 1001 |
| | 8 | 61 | 87 | 190 | 6 | 62 | 5 | | 411 |
| | 9 | 545 | 251 | 79 | 9 | 18 | 10 | | 912 |
| | 10 | 328 | 318 | 102 | 20 | 52 | 20 | | 840 |
| | 11 | 110 | 246 | 168 | 29 | 66 | 23 | | 642 |
| | 12 | 26 | 216 | 12 | 1 | 37 | | | 292 |
| | NK | 5 | | | 19 | 8 | | | 32 |
| | Total | 1268 | 1456 | 1209 | 255 | 1038 | 76 | 0 | 5302 |
| | | | | Catches not b | oroken dowr | by month. | | | |
| 1987 | NK | 1678 | | 8110 | 536 | 2995 | 97 | 510 | 18486 |
| | Total | | 4560 | 8110 | 536 | 2995 | 97 | 510 | 18486 |

TABLE 6b. (Continued). Annual nominal catches of cod (tons) by Greenland small boats (below 50 GRT) (see text to Table 6a) by NAFO Divisions and months, 1952–93. NK Division/month not known.

| Year | Month | Div. 1F | 1E | 1D | 1C | 1B | 1A | 1NK | Total |
|----------|----------|------------|------------|------------|------------|-------------|-----------|-----|--------------|
| 1988 | 1 | 14 | 4 | 3 | 1 | 54 | | | 76 |
| | 2 | 8 | 48 | 11 | | 13 | 1 | | 81 |
| | 3 | 40 | 36 | 14 | | 12 | | | 102 |
| | 4 | 173 | 77 74 | 46 | 1 | 4 | 2 | | 303 |
| | 5 | 939 | 764 | 593 | 80 542 | 237 | 2 | | 2615 |
| | 6 7 | 916 929 | 754 625 | 744 885 | 543 338 | 1614 | 47 62 | | 4618 5301 |
| | 8 | 1012 | 593 | 883 466 | 336 164 | 2462 442 | 57 | | 2734 |
| | 9 | 234 | 296 | 105 | 81 | 439 | 44 | | 1199 |
| | 10 | 125 | 58 | 101 | 54 | 347 | 44 | | 729 |
| | 11 | 77 | 77 | 20 | 66 | 438 | 58 | | 736 |
| | 12 | 17 | | 4 | 14 | 232 | 16 | | 297 |
| | NK | | | - | | | | | 0 |
| | Total | 4484 | 3346 | 2992 | 1342 | 6294 | 333 | 0 | 18791 |
| 1989 | 1 | 56 | 292 | 707 | 402 | 15 | 1 | | 1473 |
| 1707 | 2 | 4 | | 1131 | 354 | 34 | 10 | | 1806 |
| | 3 | 34 | 13 | 1035 | 1 | 33 | 5 | | 1121 |
| | 4 | 78 | 338 | 1165 | 238 | 25 | 2 | | 1846 |
| | 5 | 528 | 805 | 710 | 702 | 932 | 7 | | 3684 |
| | 6 | 908 | 692 | 316 | 1360 | 2550 | 67 | | 5893 |
| | 7 | 1156 | 1226 | 762 | 828 | 2879 | 278 | | 7129 |
| | 8 | 935 | 2646 | 790 | 721 | 589 | 123 | | 5804 |
| | 9 | 298 | 2373 | 656 | 518 | 360 | 42 | | 4247 |
| | 10 | 51 | 1121 | 828 | 385 | 590 | 82 | | 3057 |
| | 11 | 544 | 202 | 51 | 71 | 416 | 16 | | 1300 |
| | 12 | 84 | 864 | 61 | 91 | 68 | 1 | | 1169 |
| | NK | | | | | | | | 0 |
| | Total | 4676 | 10845 | 8212 | 5671 | 8491 | 634 | 0 | 38529 |
| 1990 | 1 | 7 | 18 | 217 | 6 | 12 | 12 | | 272 |
| | 2 | 8 | | 300 | 9 | 28 | | | 456 |
| | 3 | 192 | 8 | 780 | 5 | 65 | 2 | | 1052 |
| | 4 | 6 | 14 | 1122 | 2 | 62 | | | 1206 |
| | 5 | 129 | 27 | 1839 | 49 | 272 | 5 | | 2321 |
| | 6 | 1059 | 153 | 2350 | 406 | 3291 | 14 | | 7273 |
| | 7 | 1397 | 483 | 861 | 559 | 3486 | 10 | | 6796 |
| | 8 | 1569 | 590 | 630 | 231 | 762 | 66 | | 3848 |
| | 9 | 297 | 388 | 632 | 94 | 328 | 58 | | 1797 |
| | 10 | 288 | 94 | 327 | 63 | 734 | 140 | | 1646 |
| | 11 12 | 264 25 | 23 8 | 430 338 | 42 16 | 640 177 | 108 61 | | 1507 625 |
| | NK | 23 | ٥ | 336 | 10 | 1 / / | 01 | | 0 |
| | Total | 5241 | 1917 | 9826 | 1482 | 9857 | 476 | 0 | 28799 |
| | | | | | | | | | |
| 1991 | 1 | 46 | | 3 | 10 | 13 | 3 | | 75 |
| | 2 | 31 | _ | 1 | 1 | 29 | 3 | | 65 |
| | 3 | 47 | 3 | 134 | | 28 | 16 | | 228 |
| | 4 | 103 | 38 | 174 | 1 | 53 | 10 | | 379 |
| | 5 | 1689 | 207 | 681 | 19 | 560 | 7 | | 3163 |
| | 6 | 1120 | 345 | 1109 | 298 | 1959 | 10 | | 4841 |
| | 7 | 515 | 138 | 370 | 346 | 2782 | 194 | | 4345 |

TABLE 6b. (Continued). Annual nominal catches of cod (tons) by Greenland small boats (below 50 GRT) (see text to Table 6a) by NAFO Divisions and months, 1952–93. NK Division/month not known.

| Year | Month | Div. 1F | 1E | 1D | 1C | 1B | 1A | 1NK | Total |
|------|-------|---------|------|------|-----|------|-----|-----|-------|
| 1991 | 8 | 169 | 155 | 89 | 89 | 1814 | 47 | | 2363 |
| | 9 | 57 | 121 | 77 | 24 | 190 | 125 | | 594 |
| | 10 | 93 | 36 | 73 | 29 | 468 | 175 | | 874 |
| | 11 | 103 | 28 | 50 | 71 | 520 | 222 | | 994 |
| | 12 | 34 | 18 | 21 | 29 | 225 | 64 | | 391 |
| | NK | | | | | | | | 0 |
| | Total | 4007 | 1089 | 2782 | 917 | 8641 | 876 | 0 | 18312 |
| 1992 | 1 | 9 | 3 | 19 | 6 | | 4 | | 41 |
| | 2 | 16 | 4 | 11 | | 1 | 10 | | 42 |
| | 3 | 6 | 10 | 1 | 1 | 13 | 3 | | 34 |
| | 4 | 4 | 6 | 13 | 4 | 18 | 6 | | 51 |
| | 5 | 79 | 66 | 214 | 2 | 107 | 5 | | 473 |
| | 6 | 88 | 38 | 218 | 41 | 599 | 13 | | 997 |
| | 7 | 80 | 46 | 376 | 286 | 865 | 144 | | 1797 |
| | 8 | 118 | 36 | 87 | 108 | 463 | 165 | | 977 |
| | 9 | 21 | 16 | 22 | 25 | 192 | 183 | | 459 |
| | 10 | 13 | 3 | 59 | 45 | 290 | 104 | | 514 |
| | 11 | 14 | 10 | 35 | 28 | 149 | 41 | | 277 |
| | 12 | 2 | 1 | 15 | 17 | 13 | 17 | | 65 |
| | NK | | | | | | | | 0 |
| | Total | 450 | 239 | 1070 | 563 | 2710 | 695 | 0 | 5727 |
| 1993 | 1 | | | | | 16 | 31 | | 47 |
| | 2 | 1 | | | | 1 | 20 | | 22 |
| | 3 | | | | | | 6 | | 6 |
| | 4 | | | 2 | | 1 | 3 | | 6 |
| | 5 | 1 | | 30 | 1 | 3 | 5 | | 40 |
| | 6 | 58 | 7 | 371 | 37 | 118 | 19 | | 610 |
| | 7 | 27 | 8 | 297 | 66 | 98 | 87 | | 583 |
| | 8 | 10 | 2 | 118 | 29 | 20 | 51 | | 230 |
| | 9 | 4 | 1 | 41 | 7 | 10 | 46 | | 109 |
| | 10 | 6 | | 64 | 20 | 24 | 57 | | 171 |
| | 11 | 2 | 1 | 44 | 6 | 24 | 8 | | 85 |
| | 12 | | | 2 | 1 | 10 | | | 13 |
| | NK | | | 1 | 1 | 2 | | | 4 |
| | Total | 109 | 19 | 970 | 168 | 327 | 333 | 0 | 1926 |

TABLE 6c. Annual nominal catches of cod (tons) by Greenland small boats (below 50 GRT) by NAFO Divisions and months, 1952–93, given as per thousand of each year's total for these boats (corresponds to Table 6b). – Monthly catch, if any, not known.

| Year | Month | Div. 1F | 1E | 1D | 1C | 1B | 1A | 1NK | Total |
|------|-------|---------|-----|--------------|------------|-----------|----|-----|-------|
| | | | С | atches not b | roken down | by month. | | | |
| 1952 | NK | 244 | 132 | 146 | 174 | 266 | 39 | | 1000 |
| | Total | 244 | 132 | 146 | 174 | 266 | 39 | 0 | 1000 |
| | 10tai | | 132 | 140 | 1 / 4 | 200 | | | |

TABLE 6c. (Continued) Annual nominal catches of cod (tons) by Greenland small boats (below 50 GRT) by NAFO Divisions and months, 1952–93, given as per thousand of each year's total for these boats (corresponds to Table 6b). – Monthly catch, if any, not known.

| Year | Month | Div. 1F | 1E | 1D | 1C | 1B | 1A | 1NK | Total |
|------|--------|----------|----------|---------------|------------|-----------|--------|-----|------------|
| | | | C | Catches not b | roken down | by month. | | | |
| 1953 | NK | 188 | 137 | 243 | 162 | 222 | 48 | | 1000 |
| | Total | 188 | 137 | 243 | 162 | 222 | 48 | 0 | 1000 |
| | | | | Catches not b | | | | | |
| 1954 | NK | 183 | 95 | | | 330 | 51 | | 1000 |
| | Total | 183 | | 175 | 167 | 330 | 51 | 0 | 1000 |
| | | | | Catches not b | | by month | | | |
| 1955 | NK | 183 | 140 | • • • | 163 | 279 | 30 | | 1000 |
| 1755 | Total | | 140 | | 163 | 279 | 30 | 0 | 1000 |
| | Total | 103 | 140 | 203 | 103 | 219 | | | 1000 |
| 1956 | 1 | | | | | 0 | 0 | | 0 |
| | 2 | | | | | 0 | 0 | | 0 |
| | 3 | | | | | 0 | 0 | | 0 |
| | 4 | _ | 4.0 | | | 0 | 0 | | 0 |
| | 5 | 7 | 10 | 54 | 9 | 2 | 0 | | 81 |
| | 6 7 | 13 46 | 23 43 | 44 23 | 17 39 | 13 37 | 0 | | 109 189 |
| | 8 | 40 | 36 | 6 | 39 | 118 | 12 | | 246 |
| | 9 | 31 | 25 | 11 | 17 | 72 | 5 | | 161 |
| | 10 | 17 | 13 | 7 | 18 | 11 | 5 | | 71 |
| | 11 | 9 | 4 | 1 | 11 | 2 | 0 | | 26 |
| | 12 | 3 | 2 | 20 | 3 | 1 | 0 | | 29 |
| | NK | 2 | 2 | 78 | 5 | 0 | 0 | | 88 |
| | Total | 171 | 157 | 244 | 151 | 256 | 23 | 0 | 1000 |
| 1957 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 |
| | 2 | 1 | 0 | 14 | 0 | 0 | 0 | | 15 |
| | 3 | 1 | 0 | 19 | 0 | 0 | 0 | | 20 |
| | 4 | 2 | 1 | 13 | 0 | 0 | 0 | | 16 |
| | 5 | 12 | 14 | 58 | 4 | 1 | 0 | | 90 |
| | 6 7 | 26 57 | 30 54 | 30 23 | 18 36 | 15 40 | 0 2 | | 119 213 |
| | 8 | 43 | 37 | 13 | 40 | 113 | 5 | | 251 |
| | 9 | 33 | 28 | 21 | 21 | 60 | 4 | | 168 |
| | 10 | 22 | 8 | 8 | 9 | 16 | 0 | | 63 |
| | 11 | 11 | 4 | 5 | 3 | 4 | 0 | | 27 |
| | 12 | 5 | 2 | 10 | 1 | 1 | 0 | | 19 |
| | NK | 0 | 0 | 0 | 0 | 0 | 0 | | 0 |
| | Total | 214 | 178 | 214 | 133 | 250 | 11 | 0 | 1000 |
| 1958 | 1 | 3 | 0 | 3 | 0 | 0 | 0 | | 6 |
| | 2 | 3 | 0 | 3 | 0 | 0 | 0 | | 6 |
| | 3 | 4 | 0 | 8 | 0 | 0 | 0 | | 13 |
| | 4 | 5 | 1 | 16 | 1 | 0 | 0 | | 22 |
| | 5 | 16 25 | 9 | 50 | 4 | 1 | 0 | | 80 |
| | 6 | 35 | 18 | 61 | 22 | 12 | 0 | | 147 |

TABLE 6c. (Continued). Annual nominal catches of cod (tons) by Greenland small boats (below 50 GRT) by NAFO Divisions and months, 1952–93, given as per thousand of each year's total for these boats (corresponds to Table 6b). – Monthly catch, if any, not known.

| Year | Month | Div. 1F | 1E | 1D | 1C | 1B | 1A | 1NK | Total |
|------|----------|----------|---------|--------|----------|----------|--------|-----|------------|
| 1958 | 7 | 53 | 38 | 24 | 47 | 56 | 0 | | 219 |
| | 8 | 51 | 45 | 16 | 36 | 114 | 0 | | 262 |
| | 9 | 33 | 18 | 9 | 14 | 38 | 0 | | 112 |
| | 10 | 19 | 11 | 9 | 14 | 16 | 0 | | 69 |
| | 11 12 | 15 13 | 10 5 | 7 6 | 5 1 | 2 1 | 0 | | 39 |
| | NK | 0 | 0 | 0 | 0 | 0 | 0 | | 26 0 |
| | Total | 250 | 154 | 211 | 144 | 239 | 1 | 0 | 1000 |
| 1959 | 1 | 3 | 4 | 5 | 0 | 0 | 0 | | 13 |
| | 2 | 3 | 3 | 4 | 0 | 0 | 0 | | 9 |
| | 3 | 5 | 1 | 3 | 0 | 0 | 0 | | 9 |
| | 4 | 8 | 2 | 13 | 5 | 0 | 0 | | 28 |
| | 5 | 10 | 18 | 71 | 15 | 6 | 0 | | 119 |
| | 6 | 56 | 22 | 36 | 34 | 18 | 0 | | 166 |
| | 7 | 0 | 31 | 18 | 68 | 63 | 2 | | 183 |
| | 8 | 54 | 28 | 12 | 46 | 93 | 4 | | 235 |
| | 9 | 43 | 10 | 5 | 16 | 39 | 3 | | 116 |
| | 10 11 | 37 11 | 8 7 | 6 5 | 12 3 | 11 2 | 0 | | 74 29 |
| | 12 | 9 | 2 | 5 5 | 3 4 | 0 | 0 | | 29 |
| | NK | 0 | 0 | 0 | 0 | 0 | 0 | | 0 |
| | Total | 238 | 137 | 182 | 203 | 232 | 9 | 0 | 1000 |
| 1960 | 1 | 4 | 2 | 3 | 1 | 0 | 0 | | 9 |
| 1,00 | 2 | 6 | 0 | 2 | 0 | 0 | 0 | | 8 |
| | 3 | 5 | 0 | 1 | 0 | 0 | 0 | | 7 |
| | 4 | 9 | 3 | 7 | 3 | 0 | 0 | | 23 |
| | 5 | 18 | 18 | 33 | 29 | 4 | 0 | | 103 |
| | 6 | 23 | 28 | 35 | 42 | 19 | 0 | | 146 |
| | 7 | 37 | 23 | 19 | 54 | 62 | 0 | | 196 |
| | 8 | 34 | 17 | 9 | 54 | 98 | 2 | | 216 |
| | 9 | 44 | 15 | 9 | 17 | 41 | 4 | | 129 |
| | 10 | 24 | 13 | 8 | 15 9 | 19 | 1 | | 80 52 |
| | 11 12 | 25 16 | 10 6 | 3 | 6 | 6 1 | 0 | | 53 31 |
| | NK | 0 | 0 | 0 | 0 | 0 | 0 | | 0 |
| | Total | 245 | 134 | 134 | 231 | 250 | 7 | 0 | 1000 |
| 1961 | 1 | 7 | 1 | 1 | 0 | 0 | 0 | | 10 |
| | 2 | 10 | 2 | 2 | 0 | 0 | 0 | | 15 |
| | 3 | 9 | 2 | 3 | 0 | 0 | 0 | | 14 |
| | 4 | 13 | 11 | 10 | 3 | 0 | 0 | | 37 |
| | 5 | 36 | 28 | 41 | 21 | 7 | 0 | | 133 |
| | 6 | 46 | 41 | 23 | 48 | 28 | 0 | | 186 |
| | 7 | 39 | 41 | 14 | 61 | 52 62 | 3 | | 210 |
| | 8 9 | 40 36 | 22 9 | 9 8 | 36 12 | 62 28 | 5 7 | | 176 100 |
| | 10 | 18 | 10 | 8 4 | 12 | 13 | 2 | | 58 |
| | 11 | 17 | 9 | 5 | 3 | 2 | 0 | | 35 |
| | 12 | 14 | 5 | 3 | 3 | 1 | 0 | | 27 |
| | | 11 | 5 | 3 | 5 | | U | | 21 |

TABLE 6c. (Continued). Annual nominal catches of cod (tons) by Greenland small boats (below 50 GRT) by NAFO Divisions and months, 1952–93, given as per thousand of each year's total for these boats (corresponds to Table 6b). – Monthly catch, if any, not known.

| Year | Month | Div. 1F | 1E | 1D | 1C | 1B | 1A | 1NK | Total |
|------|----------|----------|----------|----------|----------|----------|--------|-----|------------|
| NK | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | |
| | Total | 286 | 182 | 123 | 198 | 193 | 18 | 0 | 1000 |
| 1962 | 1 | 9 | 2 | 1 | 0 | 0 | 0 | | 12 |
| | 2 | 4 | 0 | 1 | 0 | 0 | 0 | | 5 |
| | 3 | 12 | 4 | 2 | 1 | 0 | 0 | | 20 |
| | 4 | 15 | 14 | 8 | 4 | 0 | 0 | | 42 |
| | 5 6 | 49 41 | 36 38 | 30 | 23 49 | 11 49 | 0 | | 148 198 |
| | 7 | 51 | 20 | 21 21 | 43 | 53 | 1 | | 188 |
| | 8 | 58 | 19 | 6 | 38 | 62 | 4 | | 186 |
| | 9 | 39 | 13 | 5 | 9 | 33 | 3 | | 102 |
| | 10 | 19 | 8 | 7 | 6 | 13 | 1 | | 54 |
| | 11 | 16 | 4 | 4 | 2 | 1 | 0 | | 26 |
| | 12 | 13 | 3 | 1 | 2 | 0 | 0 | | 19 |
| | NK | 0 | 0 | 0 | 0 | 0 | 0 | | 0 |
| | Total | 326 | 159 | 108 | 177 | 221 | 9 | 0 | 1000 |
| 1963 | 1 | 8 | 1 | 2 | 0 | 0 | 0 | | 11 |
| | 2 | 5 | 0 | | 0 | 0 | 0 | | 5 |
| | 3 | 13 | 0 | | 0 | 0 | 0 | | 14 |
| | 4 | 29 | 3 | 3 | 3 | 0 | 0 | | 38 |
| | 5 | 72 | 23 | 22 | 16 | 2 | 0 | | 135 |
| | 6 | 72 50 | 34 | 23 | 46 | 21 | 0 | | 195 |
| | 7 | 58 | 28 | 20 | 29 | 50 | 0 | | 185 |
| | 8 9 | 53 27 | 17 9 | 6 | 22 6 | 83 | 5 | | 187 98 |
| | 10 | 26 | 2 | 2 1 | 5 | 49 4 | 6 1 | | 40 |
| | 11 | 20 | 13 | 2 | 5 | 1 | 0 | | 43 |
| | 12 | 4 | 2 | 1 | 4 | 0 | 0 | | 11 |
| | NK | 0 | 0 | 38 | 0 | 0 | 0 | | 38 |
| | Total | 388 | 132 | 121 | 137 | 210 | 13 | 0 | 1000 |
| 1964 | 1 | 6 | 0 | 4 | 0 | 0 | 0 | | 10 |
| | 2 | 2 | 0 | 3 | 0 | 0 | 0 | | 5 |
| | 3 | 3 | 0 | 1 | 0 | 0 | 0 | | 4 |
| | 4 | 5 | 3 | 5 | 1 | 0 | 0 | | 14 |
| | 5 | 32 | 24 | 38 | 14 | 1 | 0 | | 109 |
| | 6 | 23 | 24 | 87 | 42 | 33 | 0 | | 209 |
| | 7 | 38 | 11 | 100 | 33 | 41 | 1 | | 224 |
| | 8 | 64 | 23 | 109 | 9 | 38 | 8 | | 251 |
| | 9 | 19 | 3 | 39 | 5 | 30 | 3 | | 98 |
| | 10 11 | 10 16 | 0 8 | 5 5 | 1 1 | 6 1 | 0 | | 22 30 |
| | 12 | 10 | 8 4 | 5 5 | 4 | 0 | 0 | | 22 |
| | NK | 0 | 0 | 0 | 0 | 0 | 0 | | 0 |
| | | | | | | | | 0 | |
| | Total | 227 | 100 | 399 | 111 | 151 | 13 | 0 | 1000 |

TABLE 6c. (Continued). Annual nominal catches of cod (tons) by Greenland small boats (below 50 GRT) by NAFO Divisions and months, 1952–93, given as per thousand of each year's total for these boats (corresponds to Table 6b). – Monthly catch, if any, not known.

| Year | Month | Div. 1F | 1E | 1D | 1C | 1B | 1A | 1NK | Total |
|------|--------|----------|----------|----------|----------|----------|--------|-----|------------|
| 1965 | 1 | 3 | 1 | 7 | 0 | 0 | 0 | | 12 |
| | 2 | 2 | 0 | 2 | 0 | 0 | 0 | | 4 |
| | 3 | 3 | 1 | 7 | 2 | 0 | 0 | | 13 |
| | 4 | 5 | 1 | 9 | 3 | 0 | 0 | | 19 |
| | 5 | 38 | 8 | 42 | 24 | 5 32 | 0 | | 117 |
| | 6 7 | 28 37 | 21 29 | 29 46 | 47 32 | 60 | 0 2 | | 156 206 |
| | 8 | 32 | 19 | 22 | 24 | 61 | 5 | | 163 |
| | 9 | 20 | 2 | 19 | 12 | 32 | 6 | | 91 |
| | 10 | | 8 | 24 | 20 | 17 | 1 | | 92 |
| | 11 | 18 | 7 | 22 | 18 | 6 | 0 | | 70 |
| | 12 | 15 | 6 | 19 | 17 | 1 | 0 | | 58 |
| | NK | 0 | 0 | 0 | 0 | 0 | 0 | | 0 |
| | Total | 224 | 102 | 249 | 198 | 214 | 13 | 0 | 1000 |
| 1966 | 1 | 5 | 1 | 21 | 4 | 0 | 0 | | 32 |
| | 2 | 2 | 0 | 14 | 1 | 0 | 0 | | 18 |
| | 3 | 5 | 1 | 11 | 6 | 0 | 0 | | 23 |
| | 4 | 8 | 1 | 12 | 8 | 0 | 0 | | 30 |
| | 5 | 19 | 7 | 36 | 17 | 11 | 0 | | 89 |
| | 6 | 27 | 30 | 40 | 43 | 52 | 0 | | 191 |
| | 7 | 20 | 22 | 28 | 33 | 81 | 1 | | 186 |
| | 8 9 | 25 | 8 | 26 | 30 | 83 | 9 | | 181 |
| | 10 | 14 16 | 3 2 | 18 16 | 9 12 | 48 17 | 5 2 | | 95 65 |
| | 11 | 12 | 1 | 16 9 | 15 | 6 | 0 | | 42 |
| | 12 | 13 | 3 | 11 | 17 | 3 | 0 | | 48 |
| | NK | 0 | 0 | 0 | 0 | 0 | 0 | | 0 |
| | Total | 165 | 80 | 242 | 195 | 301 | 17 | 0 | 1000 |
| 1967 | 1 | 7 | 4 | 21 | 14 | 1 | 0 | | 48 |
| | 2 | 5 | 1 | 4 | 5 | 0 | 0 | | 16 |
| | 3 | 4 | 1 | 7 | 0 | 0 | 0 | | 13 |
| | 4 | 2 | 1 | 10 | 3 | 0 | 0 | | 16 |
| | 5 | 16 | 9 | 34 | 28 | 2 | 0 | | 89 |
| | 6 | 34 | 15 | 55 | 56 | 29 | 0 | | 188 |
| | 7 | 44 | 27 | 39 | 46 | 59 50 | 1 | | 215 |
| | 8 9 | 38 22 | 17 | 22 8 | 28 | 58 | 6 | | 168 |
| | 10 | 24 | 2 2 | 13 | 6 13 | 30 18 | 3 1 | | 72 71 |
| | 11 | | 4 | 13 | 10 | 5 | 0 | | 45 |
| | 12 | | 5 | 20 | 19 | 3 | 0 | | 59 |
| | NK | 0 | 0 | 0 | 0 | 0 | 0 | | 0 |
| | Total | 223 | 88 | 245 | 227 | 206 | 11 | 0 | 1000 |
| 1968 | 1 | 6 | 1 | 16 | 5 | 0 | 0 | | |
| 1,00 | 2 | 4 | 0 | 5 | 1 | 0 | 0 | | 10 |
| | 3 | 2 | 0 | 6 | 0 | 0 | 0 | | 9 |
| | 4 | 3 | 2 | 5 | 2 | 0 | 0 | | 12 |
| | | | | | | | | | |
| | 5 | 22 43 | 18 32 | 71 85 | 12 32 | 0 | 0 | | 124 198 |

TABLE 6c. (Continued). Annual nominal catches of cod (tons) by Greenland small boats (below 50 GRT) by NAFO Divisions and months, 1952–93, given as per thousand of each year's total for these boats (corresponds to Table 6b). – Monthly catch, if any, not known.

| Year | Month | Div. 1F | 1E | 1D | 1C | 1B | 1A | 1NK | Total |
|------|-------------|-----------|----------|----------|----------|----------|---------|-----|------------|
| 1968 | 7 | 56 | 51 | 58 | 42 | 16 | 0 | | 222 |
| | 8 | 72 | 12 | 16 | 12 | 27 | 3 | | 143 |
| | 9 | 63 | 3 | 13 | 4 | 15 | 3 | | 100 |
| | 10 | 35 | 5 | 7 | 7 | 12 | 1 | | 67 |
| | 11 | 27 | 9 | 9 | 3 | 4 | 0 | | 51 |
| | 12 | 15 | 4 | 4 | 12 | 0 | 0 | | 37 |
| | NK Total | 0 348 | 0 137 | 0 296 | 0 132 | 0 81 | 0 7 | 0 | 0 1000 |
| 1969 | 1 | 3 | 1 | 1 | 7 | 0 | 0 | | 11 |
| | 2 | 2 | 0 | 1 | 2 | 0 | 0 | | 6 |
| | 3 | 2 | 0 | 0 | 0 | 0 | 0 | | 3 |
| | 4 | 3 | 1 | 1 | 2 | 0 | 0 | | 6 |
| | 5 | 5 | 2 | 7 | 11 | 0 | 0 | | 26 |
| | 6 | 39 | 3 | 25 | 54 | 8 | 0 | | 129 |
| | 7 | 63 | 20 | 13 | 69 | 20 | 0 | | 185 |
| | 8 | 84 | 55 | 27 | 46 | 30 | 2 | | 244 |
| | 9 | 23 | 4 | 10 | 3 | 18 | 1 | | 59 |
| | 10 | 19 | 2 | 6 5 | 1 | 6 | 0 | | 34 |
| | 11 12 | 12 7 | 2 3 | 5 5 | 2 2 | 1 0 | 0 | | 22 17 |
| | NK | 0 | 0 | 255 | 3 | 0 | 0 | | 257 |
| | Total | 262 | 95 | 355 | 202 | 83 | 3 | 0 | 1000 |
| 1970 | 1 | 7 | 4 | | 2 | 0 | 0 | | 14 |
| | 2 | 3 | 0 | | | 0 | 0 | | 4 |
| | 3 | 1 | 0 | | | 0 | 0 | | 2 |
| | 4 | 1 | 0 | | | 0 | 0 | | 2 |
| | 5 | 1 | 2 | 1 | 3 | 0 | 0 | | 6 |
| | 6 | 19 | 4 | 3 | 25 | 6 | 0 | | 57 |
| | 7 | 91 | 15 | 29 | 45 | 34 | 0 | | 213 |
| | 8 | 106 | 67 51 | 40 | 18 | 37 | 3 | | 272 |
| | 9 10 | 66 37 | 51 6 | 9 | 37 6 | 12 5 | 5 | | 180 |
| | 11 | 19 | 4 | 6 3 | U | 1 | 0 | | 60 28 |
| | 12 | 13 | 2 | 1 | 3 | 0 | 0 | | 18 |
| | NK | 0 | 0 | 142 | 3 | 0 | 0 | | 146 |
| | Total | | | | 143 | 94 | 9 | 0 | 1000 |
| 1971 | 1 | 5 | 0 | 1 | | 0 | 0 | | 6 |
| | 2 | 1 | 0 | | | 0 | 0 | | 1 |
| | 3 | 1 | 0 | | | 0 | 0 | | 1 |
| | 4 | 1 | 0 | | _ | 0 | 0 | | 1 |
| | 5 | 1 | 2 | 2 | 1 | 0 | 0 | | 4 |
| | 6 | 11 52 | 1 | 2 | 20 | 44 57 | 0 | | 77 245 |
| | 7 8 | 53 118 | 37 42 | 12 11 | 85 24 | 57 23 | 0 10 | | 245 229 |
| | 9 | 46 | 34 | 6 | 3 | 6 | 6 | | 100 |
| | 10 | 29 | 5 | 3 | 1 | 4 | 2 | | 44 |
| | | 17 | 4 | | | | | | |
| | 11 | 1 / | 4 | 2 | | 0 | 0 | | 24 |

TABLE 6c. (Continued). Annual nominal catches of cod (tons) by Greenland small boats (below 50 GRT) by NAFO Divisions and months, 1952–93, given as per thousand of each year's total for these boats (corresponds to Table 6b). – Monthly catch, if any, not known.

| Year | Month | Div. 1F | 1E | 1D | 1C | 1B | 1A | 1NK | Total |
|------|---------|----------|----------|--------------|------------|-----------|---------|-----|------------|
| 1971 | NK | 0 | 0 | 244 | 13 | 0 | 0 | | 258 |
| | Total | 291 | 126 | 282 | 149 | 134 | 19 | 0 | 1000 |
| | | | C | atches not b | roken down | by month. | | | |
| 1972 | NK | 252 | 105 | 271 | 227 | 127 | 18 | | 1000 |
| | Total | 252 | 105 | 271 | 227 | 127 | 18 | 0 | 1000 |
| 1973 | 1 | 0 | 0 | 0 | | 1 | 0 | | 1 |
| | 2 | 0 | 0 | 0 | | 0 | 0 | | 0 |
| | 3 4 | 0 1 | $0 \\ 0$ | 1 38 | | 0 | 1 0 | | 1 39 |
| | 5 | 3 | 0 | 44 | 2 | 14 | 0 | | 64 |
| | 6 | 4 | 2 | 27 | 11 | 39 | 0 | | 84 |
| | 7 | 29 | 83 | 110 | 32 | 48 | 2 | | 303 |
| | 8 9 | 57 36 | 52 21 | 101 20 | 21 11 | 28 6 | 5 7 | | 263 101 |
| | 10 | 19 | 0 | 33 | 2 | 5 | 2 | | 62 |
| | 11 | 11 | 0 | 10 | 6 | 0 | 0 | | 26 |
| | 12 | 4 | 10 | 1 | | 0 | 0 | | 14 |
| | NK | 0 | 0 | 0 | 41 | 0 | 0 | | 41 |
| | Total | 164 | 168 | 383 | 127 | 142 | 16 | 0 | 1000 |
| 1974 | 1 | 1 | | | | 0 | 2 | | 3 |
| | 2 | 0 | | | | 1 | 1 | | 2 |
| | 3 4 | 0 | | 1 | | 0 | 1 1 | | 1 2 |
| | 5 | 0 4 | | 1 3 | 8 | 4 | 1 | | 20 |
| | 6 | 2 | 6 | 2 | 31 | 44 | 1 | | 86 |
| | 7 | 8 | 93 | 7 | 55 | 34 | 6 | | 202 |
| | 8 | 63 | 66 | - | 21 | 16 | 15 | | 181 |
| | 9 10 | 61 27 | 4 | 1 1 | 6 3 | 4 2 | 12 6 | | 86 39 |
| | 11 | 13 | 1 | 1 | 1 | 1 | 6 | | 23 |
| | 12 | 6 | 1 | | | 1 | 3 | | 10 |
| | NK | 0 | 18 | 283 | 43 | 0 | 0 | | 344 |
| | Total | 184 | 188 | 300 | 168 | 107 | 53 | 0 | 1000 |
| 1975 | 1 | 4 | | 1 | | 0 | 0 | | 5 |
| | 2 | 1 | | | | 0 | 1 | | 3 |
| | 3 4 | 0 | | 5 | 1 1 | 0 | 1 1 | | 2 16 |
| | 5 | 2 6 | 2 | 26 | 21 | 7 6 | 0 | | 61 |
| | 6 | 3 | 5 | 11 | 68 | 88 | 0 | | 175 |
| | 7 | 24 | 36 | 10 | 77 | 47 | 4 | | 198 |
| | 8 | 56 | 36 | 4 | 18 | 4 | 14 | | 132 |
| | 9 10 | 29 30 | 2 1 | 1 1 | 9 | 2 3 | 5 5 | | 49 43 |
| | 11 | 15 | 1 | 1 1 | 1 | 3 1 | 2 | | 21 |
| | 12 | 3 | • | 1 | • | 0 | 0 | | 5 |
| | NK | 0 | 63 | 133 | 94 | 0 | 0 | | 290 |
| | Total | 174 | 147 | 194 | 294 | 158 | 33 | 0 | 1000 |

TABLE 6c. (Continued). Annual nominal catches of cod (tons) by Greenland small boats (below 50 GRT) by NAFO Divisions and months, 1952–93, given as per thousand of each year's total for these boats (corresponds to Table 6b). – Monthly catch, if any, not known.

| Year | Month | Div. 1F | 1E | 1D | 1C | 1B | 1A | 1NK | Total |
|------|--------|----------|----------|---------|----------|---------|--------|-----|-----------|
| 1976 | 1 | 0 | | | | 0 | 0 | | 1 |
| | 2 | 0 | | | | 0 | 1 | | 1 |
| | 3 | 0 | | 2 | | 1 | 1 | | 2 |
| | 4 5 | 0 1 | 4 | 3 14 | 2 | 2 | 1 1 | | 6 24 |
| | 6 | 7 | 25 | 17 | 31 | 17 | 0 | | 98 |
| | 7 | 18 | 104 | 9 | 101 | 78 | 9 | | 319 |
| | 8 | 37 | 31 | 7 | 43 | 18 | 12 | | 148 |
| | 9 | 51 | 60 | 2 | 9 | 2 | 7 | | 131 |
| | 10 | 25 | 8 | 1 | 6 | 1 | 6 | | 47 |
| | 11 | 9 | | 1 | 1 | 1 | 2 | | 14 |
| | 12 | 12 | 2 | 1 | | 3 | 1 | | 20 |
| | NK | 0 | 29 | 118 | 42 | 0 | 0 | | 189 |
| | Total | 161 | 264 | 175 | 237 | 124 | 39 | 0 | 1000 |
| 1977 | 1 | 1 | | | | 0 | 0 | | 1 |
| | 2 | 0 | | | | 0 | 0 | | 1 |
| | 3 | 1 | | | | 0 | 0 | | 1 |
| | 4 | 1 | 10 | 1 | 20 | 0 | 0 | | 2 |
| | 5 6 | 13 26 | 19 21 | 2 4 | 28 39 | 3 17 | 0 | | 65 107 |
| | 7 | 48 | 98 | 3 | 56 | 12 | 3 | | 219 |
| | 8 | 87 | 36 | 1 | 26 | 6 | 4 | | 159 |
| | 9 | 63 | 10 | 0 | 5 | 1 | 4 | | 82 |
| | 10 | 26 | 9 | 1 | 1 | 1 | 3 | | 41 |
| | 11 | 17 | 1 | | | 0 | 1 | | 20 |
| | 12 | 20 | | | | 1 | 0 | | 21 |
| | NK | 0 | 57 | 198 | 24 | 0 | 0 | | 280 |
| | Total | 302 | 252 | 210 | 179 | 41 | 15 | 0 | 1000 |
| 1978 | 1 | 3 | | | | 0 | 0 | | 3 |
| | 2 | 4 | | | 2 | 0 | 0 | | 4 |
| | 3 4 | 2 4 | | 1 | 2 | 0 | 0 | | 4 6 |
| | 5 | 16 | | 2 | 5 | 15 | 0 | | 39 |
| | 6 | 28 | 11 | 3 | 47 | 32 | 0 | | 122 |
| | 7 | 77 | 84 | 3 | 80 | 25 | 6 | | 275 |
| | 8 | 97 | 47 | 2 | 10 | 4 | 6 | | 167 |
| | 9 | 57 | 37 | 1 | 6 | 1 | 2 | | 104 |
| | 10 | 22 | 2 | 1 | 1 | 1 | 2 | | 29 |
| | 11 | 17 | 1 | | | 1 | 1 | | 21 |
| | 12 | 34 | 2 | 110 | 1.2 | 0 | 0 | | 36 |
| | NK | 7 | 51 | 118 | 13 | 0 | 0 | | 190 |
| | Total | 368 | 236 | 133 | 165 | 81 | 18 | 0 | 1000 |
| 1979 | 1 | 8 | | | 7 | 0 | 0 | | 16 |
| | 2 | 5 | | | | 0 | 0 | | 6 |
| | 3 | 10 | | | | 2 | 0 | | 12 |
| | 4 | 16 | 3 | 1 | | 3 | 0 | | 23 |
| | 5 | 46 | 28 | 2 | 11 | 6 14 | 1 | | 84 |
| | 6 | 33 | 38 | 1 | 11 | 14 | 1 | | 98 |

TABLE 6c. (Continued). Annual nominal catches of cod (tons) by Greenland small boats (below 50 GRT) by NAFO Divisions and months, 1952–93, given as per thousand of each year's total for these boats (corresponds to Table 6b). – Monthly catch, if any, not known.

| Year | Month | Div. 1F | 1E | 1D | 1C | 1B | 1A | 1NK | Total |
|------|--------|-----------|----------|--------|----------|---------|--------|-----|------------|
| | | | | | | | | | |
| 1979 | 7 8 | 73 87 | 63 68 | 1 | 11 5 | 17 | 4 | | 169 166 |
| | 9 | 43 | 08 | | 8 | 4 1 | 2 1 | | 54 |
| | 10 | 32 | 19 | 1 | 10 | 1 | 2 | | 64 |
| | 11 | 29 | 8 | 1 | 1 | 1 | 0 | | 39 |
| | 12 | 8 | 2 | | | 0 | 0 | | 11 |
| | NK | 35 | 41 | 172 | 9 | 0 | 0 | | 258 |
| | Total | 427 | 270 | 179 | 62 | 50 | 12 | 0 | 1000 |
| 1980 | 1 | 4 | | | | 1 | 0 | | 5 |
| | 2 | 4 | | | | 1 | 0 | | 6 |
| | 3 | 5 | | 1 | | 1 | 1 | | 7 |
| | 4 | 4 | | 2 | | 1 | 0 | | 8 |
| | 5 | 9 | 7 | 2 | 3 | 9 | 2 | | 32 |
| | 6 | 19 | 9 | 2 | 14 | 23 | 6 | | 734 |
| | 7 8 | 102 72 | 45 49 | 1 1 | 16 10 | 17 2 | 5 2 | | 187 134 |
| | 9 | 47 | 19 | 1 | 6 | 1 | 1 | | 76 |
| | 10 | 29 | 13 | 1 | 2 | 2 | 1 | | 48 |
| | 11 | 39 | 6 | • | 1 | 2 | 1 | | 48 |
| | 12 | 22 | 1 | | | 1 | 0 | | 24 |
| | NK | 29 | 126 | 191 | 7 | 1 | 0 | | 353 |
| | Total | 385 | 276 | 201 | 59 | 60 | 19 | 0 | 1000 |
| 1981 | 1 | 4 | | | 0 | 0 | 0 | | 5 |
| | 2 | 5 | | | 0 | 0 | 0 | - | 5 |
| | 3 | 6 | 1 | 1 | 6 | 0 | 0 | - | 13 |
| | 4 | 4 | | 2 | 1 | 1 | 0 | - | 8 |
| | 5 | 6 19 | 1 | 3 | 1 24 | 8 35 | 0 | - | 19 |
| | 6 7 | 19 | 16 | 4 1 | 30 | 21 | 2 2 | - | 85 90 |
| | 8 | 77 | 49 | 1 | 13 | 2 | 1 | - | 142 |
| | 9 | 40 | 11 | | 4 | 0 | 0 | - | 56 |
| | 10 | 26 | 5 | 1 | 4 | 1 | 1 | - | 37 |
| | 11 | 22 | 2 | | 6 | 1 | 1 | - | 31 |
| | 12 | 5 | | | 0 | 0 | 0 | - | 6 |
| | NK | 57 | 110 | 142 | 0 | 0 | 0 | 193 | 503 |
| | Total | 431 | 194 | 154 | 91 | 71 | 7 | 193 | 1000 |
| 1982 | 1 | 1 | 0 | 1 | 8 | 0 | 0 | - | 9 |
| | 2 | 2 | 0 | 1 | | 0 | 0 | - | 1 |
| | 3 4 | 3 4 | 4 | 1 1 | | 0 | 0 | - | 8 10 |
| | 5 | 1 | 3 6 | 8 | 1 | 2 | 0 | - | 10 19 |
| | 6 | 8 | 0 | 17 | 20 | 18 | 0 | - | 63 |
| | 7 | 3 | 5 | 58 | 20 | 36 | 1 | - | 123 |
| | 8 | 18 | 93 | 58 | 25 | 10 | 2 | - | 205 |
| | 9 | 33 | 36 | 59 | 10 | 8 | 1 | - | 147 |
| | 10 | 35 | 10 | 30 | 13 | 15 | 1 | - | 103 |
| | 11 | 27 | 10 | 21 | 13 | 2 | 2 | - | 75 |
| | 12 | 2 | 2 | 2 | | 1 | 0 | - | 6 |

TABLE 6c. (Continued). Annual nominal catches of cod (tons) by Greenland small boats (below 50 GRT) by NAFO Divisions and months, 1952–93, given as per thousand of each year's total for these boats (corresponds to Table 6b). – Monthly catch, if any, not known.

| Year | Month | Div. 1F | 1E | 1D | 1C | 1B | 1A | 1NK | Total |
|------|--------|---------|---------|----------|----------|----------|-------|-----|----------|
| 1982 | NK | 1 | 0 | 13 | 10 | 0 | 0 | 206 | 230 |
| | Total | 136 | 170 | 270 | 119 | 92 | 8 | 206 | 1000 |
| 1983 | 1 | | 1 | | 0 | 0 | 0 | - | 1 |
| | 2 | | 0 | | 0 | 0 | 0 | - | 1 |
| | 3 | | 3 | | 0 | 0 | 0 | - | 3 |
| | 4 | | 4 | | 0 | 1 | 0 | - | 5 |
| | 5 | 7 | 2 | | 1 | 2 | 0 | - | 5 |
| | 6 7 | 7 8 | 2 12 | | 21 | 23 49 | 0 | - | 53 96 |
| | 8 | 8 7 | 73 | 21 | 26 22 | 15 | 1 | - | 138 |
| | 9 | 25 | 60 | 44 | 20 | 4 | 1 | - | 155 |
| | 10 | 25 | 11 | 21 | 24 | 2 | 1 | - | 85 |
| | 11 | 8 | 7 | 5 | 11 | 2 | 1 | - | 34 |
| | 12 | 1 | 1 | 3 | 1 | 0 | 0 | - | 2 |
| | NK | 5 | 0 | 167 | 0 | 0 | 0 | 251 | 423 |
| | Total | 87 | 175 | 259 | 127 | 98 | 5 | 251 | 1000 |
| | | | | | | | | | |
| 1984 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | | 1 |
| | 2 | 0 | 0 | 0 | 0 | 2 | 0 | | 2 |
| | 3 | 0 | 0 | 0 | 0 | 1 | 0 | | - |
| | 4 5 | 0 | 0 | 1 17 | 1 | 3 7 | 0 | | 5 |
| | 6 | 3 | 1 | 17 32 | 2 11 | 53 | 0 | | 26 99 |
| | 7 | 5 | 3 | 34 | 31 | 102 | 0 | | 175 |
| | 8 | 1 | 2 | 49 | 3 | 11 | 1 | | 67 |
| | 9 | 6 | 19 | 113 | 8 | 3 | 1 | | 150 |
| | 10 | 26 | 14 | 22 | 13 | 4 | 4 | | 82 |
| | 11 | 23 | 13 | 3 | 26 | 4 | 2 | | 71 |
| | 12 | 2 | 6 | 1 | 0 | 1 | 0 | | 10 |
| | NK | 0 | 0 | 0 | 0 | 3 | 0 | 305 | 309 |
| | Total | 67 | 58 | 271 | 95 | 196 | 9 | 305 | 1000 |
| 1985 | 1 | | 0 | 1 | 0 | 2 | 1 | | 5 |
| 1,00 | 2 | 3 | 0 | 2 | 1 | 3 | 0 | | 9 |
| | 3 | 1 | 0 | 1 | 1 | 6 | 0 | | 9 |
| | 4 | 2 | 0 | 7 | 3 | 7 | 0 | | 19 |
| | 5 | 9 | 1 | 20 | 25 | 28 | 0 | | 84 |
| | 6 | 5 | 2 | 25 | 39 | 145 | 1 | | 217 |
| | 7 | 7 | 7 | 25 | 14 | 93 | 4 | | 148 |
| | 8 | 12 | 48 | 72 | 1 | 5 | 2 | | 140 |
| | 9 | 63 | 53 | 48 | 4 | 6 | 3 | | 176 |
| | 10 | 33 | 19 | 29 | 16 | 5 | 3 | | 106 |
| | 11 | 11 | 9 | 3 | 8 | 10 | 3 | | 44 |
| | 12 | 1 | 0 | 1 | 1 | 6 | 1 | | 10 |
| | NK | 1 | 0 | 0 | 0 | 32 | 0 | | 33 |
| | Total | 147 | 140 | 234 | 113 | 348 | 18 | 0 | 1000 |

TABLE 6c. (Continued). Annual nominal catches of cod (tons) by Greenland small boats (below 50 GRT) by NAFO Divisions and months, 1952–93, given as per thousand of each year's total for these boats (corresponds to Table 6b). – Monthly catch, if any, not known.

| Year | Month | Div. 1F | 1E | 1D | 1C | 1B | 1A | 1NK | Total |
|------|-------------|---------|----------|---------------|------------|-----------|--------|-----|-----------|
| 1986 | 1 | | 0 | 1 | | 7 | 0 | | 9 |
| | 2 | 1 | 0 | 7 | | | 0 | | 9 |
| | 3 | 1 | 3 | 14 | | | 1 | | 20 |
| | 4 | 3 | 12 | 14 | 1 | 6 | 1 | | 37 |
| | 5 | 6 | 4 | 19 | 5 | 12 | 0 | | 37 |
| | 6 | 9 | 10 | 13 | 16 | 53 | 1 | | 101 |
| | 7 | 15 | 35 | 55 2 ć | 10 | 72 | 1 | | 188 |
| | 8 | 12 | 16 | 36 | 1 | 12 | 1 | | 78 |
| | 9 | 103 | 47 | 15 | 2 | 3 | 2 | | 172 |
| | 10 | 62 | 60 | 19 | 4 | 10 | 4 | | 158 |
| | 11 | 21 | 46 | 32 | 5 | 12 | 4 | | 121 |
| | 12 NW | 5 | 41 | 2 | 4 | 7 2 | 0 | | 55 |
| | NK Table | 1 | 0 | 0 | 4 | | 0 | 0 | 1 |
| | Total | 239 | 275 | 228 | 48 | 196 | 14 | 0 | 1000 |
| | | | C | Catches not b | roken down | by month. | | | |
| 1987 | NK | 91 | 247 | 439 | 29 | 162 | 5 | 28 | 1000 |
| | Total | 91 | 247 | 439 | 29 | 162 | 5 | 28 | 1000 |
| 1988 | 1 | 1 | 0 | 0 | 0 | 3 | 0 | | 4 |
| | 2 | 0 | 3 | 1 | 0 | 1 | 0 | | 4 |
| | 3 | 2 | 2 | 1 | 0 | 1 | 0 | | 5 |
| | 4 | 9 | 4 | 2 | 0 | 0 | 0 | | 16 |
| | 5 | 50 | 41 | 32 | 4 | 13 | 0 | | 139 |
| | 6 | 49 | 40 | 40 | 29 | 86 | 3 | | 246 |
| | 7 | 49 | 33 | 47 | 18 | 131 | 3 | | 282 |
| | 8 | 54 | 32 | 25 | 9 | 24 | 3 | | 145 |
| | 9 | 12 | 16 | 6 | 4 | 23 | 2 | | 64 |
| | 10 | 7 | 3 | 5 | 3 | 18 | 2 | | 39 |
| | 11 | 4 | 4 | 1 | 4 | 23 | 3 | | 39 |
| | 12 NW | 1 | 1 0 | 0 | 1 | 12 | 1 | | 16 |
| | NK | 0 | | | 0 | 0 | 0 | | 0 |
| | Total | 239 | 178 | 159 | 71 | 335 | 18 | 0 | 1000 |
| 1989 | 1 | 1 | 8 | 18 | 10 | 0 | 0 | | 38 |
| | 2 | 0 | 7 | 29 | 9 | 1 | 0 | | 47 |
| | 3 | 1 | 0 | 27 | 0 | 1 | 0 | | 29 |
| | 4 | 2 | 9 | 30 | 6 | 1 | 0 | | 48 |
| | 5 | 14 | 21 | 18 | 18 | 24 | 0 | | 96 152 |
| | 6 | 24 | 18 | 8 | 35 | 66 75 | 2 7 | | 153 |
| | 7 | 30 | 32 | 20 | 21 | 75 15 | | | 185 |
| | 8 9 | 24 | 69 | 21 | 19 | 15 | 3 | | 151 |
| | 9 10 | 8 1 | 62 29 | 17 21 | 13 | 9 15 | 1 | | 110 79 |
| | 10 | 1 14 | | | 10 | 15 11 | 2 0 | | 34 |
| | 11 | 2 | 5 22 | 1 2 | 2 2 | 2 | 0 | | 34 |
| | NK | 0 | 0 | 0 | 0 | 0 | 0 | | 0 |
| | Total | 121 | 281 | 213 | 147 | 220 | 16 | 0 | 1000 |
| | ıvıaı | 1 4 1 | 201 | 213 | 14/ | 220 | 10 | U | 1000 |

TABLE 6c. (Continued). Annual nominal catches of cod (tons) by Greenland small boats (below 50 GRT) by NAFO Divisions and months, 1952–93, given as per thousand of each year's total for these boats (corresponds to Table 6b). – Monthly catch, if any, not known.

| Year | Month | Div. 1F | 1E | 1D | 1C | 1B | 1A | 1NK | Total |
|------|--------|----------|---------|----------|----------|------------|----------|-----|------------|
| 1990 | 1 | 0 | 1 | 8 | 0 | 0 | 0 | | 9 |
| | 2 | 0 | 4 | 10 | 0 | 1 | 0 | | 16 |
| | 3 | 7 | 0 | 27 | 0 | 2 | 0 | | 37 |
| | 4 | 0 | 0 | 39 | 0 | 2 | 0 | | 42 |
| | 5 | 4 | 1 | 64 | 2 | 9 | 0 | | 81 |
| | 6 7 | 37 49 | 5 17 | 82 30 | 14 19 | 114 121 | 0 | | 253 236 |
| | 8 | 54 | 20 | 22 | 8 | 26 | | | 134 |
| | 9 | 10 | 13 | 22 | 3 | 11 | 2 2 | | 62 |
| | 10 | 10 | 3 | 11 | 2 | 25 | 5 | | 57 |
| | 11 | 9 | 1 | 15 | 1 | 22 | 4 | | 52 |
| | 12 | 1 | 0 | 12 | 1 | 6 | 2 | | 2 |
| | NK | 0 | 0 | 0 | 0 | 0 | 0 | | 0 |
| | Total | 182 | 67 | 341 | 51 | 342 | 17 | 0 | 1000 |
| 1991 | 1 | 3 | 0 | 0 | 1 | 1 | 0 | | 4 |
| | 2 | 2 | 0 | 0 | 0 | 2 | 0 | | 4 |
| | 3 | 3 | 0 | 7 | 0 | 2 | 1 | | 12 |
| | 4 | 6 | 2 | 10 | 0 | 3 | 1 | | 21 |
| | 5 | 92 | 11 | 37 | 1 | 31 | 0 | | 173 |
| | 6 | 61 | 19 | 61 | 16 | 107 | 1 | | 264 |
| | 7 8 | 28 9 | 8 8 | 20 5 | 19 5 | 152 99 | 11 3 | | 237 129 |
| | 9 | 3 | 7 | 4 | 1 | 10 | 7 | | 32 |
| | 10 | 5 | 2 | 4 | 2 | 26 | 10 | | 48 |
| | 11 | 6 | 2 | 3 | 4 | 28 | 12 | | 54 |
| | 12 | 2 | 1 | 1 | 2 | 12 | 3 | | 21 |
| | NK | 0 | 0 | 0 | 0 | 0 | 0 | | 0 |
| | Total | 219 | 59 | 152 | 50 | 472 | 48 | 0 | 1000 |
| 1992 | 1 | 2 | 1 | 3 | 1 | 0 | 1 | | 7 |
| | 2 | 3 | 1 | 2 | 0 | 0 | 2 | | 7 |
| | 3 | 1 | 2 | 0 | 0 | 2 | 1 | | 6 |
| | 4 | 1 | 1 | 2 | 1 | 3 | 1 | | 9 |
| | 5 | 14 | 12 | 37 | 0 | 19 | 1 | | 83 |
| | 6 | 15 | 7 | 38 | 7 | 105 | 2 | | 174 |
| | 7 | 14 | 8 | 66 | 50 | 151 | 25 | | 314 |
| | 8 9 | 21 4 | 6 | 15 4 | 19 4 | 81 34 | 29 32 | | 171 80 |
| | 10 | 2 | 1 | 10 | 8 | 51 | 18 | | 90 |
| | 11 | 2 | 2 | 6 | 5 | 26 | 7 | | 48 |
| | 12 | 0 | 0 | 3 | 3 | 2 | 3 | | 11 |
| | NK | 0 | 0 | 0 | 0 | 0 | 0 | | 0 |
| | Total | 79 | 42 | 187 | 98 | 473 | 121 | 0 | 1000 |
| 1993 | 1 | 0 | 0 | | | 8 | 16 | | 24 |
| | 2 | 1 | 0 | | | 1 | 10 | | 11 |
| | 3 | 0 | 0 | | | | 3 | | 3 |
| | 4 | 0 | 0 | 1 | | 1 | 2 | | 3 |
| | 5 | 1 | 0 | 16 | 1 | 2 | 3 | | 21 |

TABLE 6c. (Continued). Annual nominal catches of cod (tons) by Greenland small boats (below 50 GRT) by NAFO Divisions and months, 1952–93, given as per thousand of each year's total for these boats (corresponds to Table 6b). – Monthly catch, if any, not known.

| Year | Month | Div. 1F | 1E | 1D | 1C | 1B | 1A | 1NK | Total |
|------|-------|---------|----|-----|----|-----|-----|-----|-------|
| 1993 | 6 | 30 | 4 | 193 | 19 | 61 | 10 | | 317 |
| | 7 | 14 | 4 | 154 | 34 | 51 | 45 | | 303 |
| | 8 | 5 | 1 | 61 | 15 | 10 | 26 | | 119 |
| | 9 | 2 | 1 | 21 | 4 | 5 | 24 | | 57 |
| | 10 | 3 | 0 | 33 | 10 | 12 | 30 | | 89 |
| | 11 | 1 | 1 | 23 | 3 | 12 | 4 | | 44 |
| | 12 | 0 | 0 | 1 | 1 | 5 | 0 | | 7 |
| | NK | 0 | 0 | 1 | 1 | 1 | 0 | | 2 |
| | Total | 57 | 10 | 504 | 87 | 170 | 173 | 0 | 1000 |

TABLE 6d. Nominal catches of cod (tons) at West Greenland by small Greenland boats (below 50 GRT) summarized over five-year periods, 1951–94.

| Year | Month | Div. 1F | 1E | 1D | 1C | 1B | 1A | 1NK | Total |
|---------|-------|---------|-------|-------------|------------|-------------|------|-----|--------|
| | | | | Catches not | broken dow | n by month. | | | |
| 1952-54 | NK | 11757 | 7082 | 11225 | 9686 | 15637 | 2688 | | 58075 |
| | Total | 11757 | 7082 | 11225 | 9686 | 15637 | 2688 | 0 | 58075 |
| 1955–59 | 1 | 164 | 113 | 206 | 8 | 0 | 0 | | 491 |
| | 2 | 184 | 78 | 501 | 8 | 0 | 0 | | 771 |
| | 3 | 262 | 21 | 768 | 6 | 0 | 0 | | 1057 |
| | 4 | 389 | 92 | 1078 | 162 | 0 | 0 | | 1721 |
| | 5 | 1138 | 1284 | 5785 | 798 | 252 | 0 | | 9257 |
| | 6 | 3345 | 2301 | 4238 | 2293 | 1416 | 0 | | 13593 |
| | 7 | 3737 | 4089 | 2161 | 4810 | 4974 | 126 | | 19897 |
| | 8 | 4729 | 3588 | 1192 | 3848 | 10748 | 478 | | 24583 |
| | 9 | 3531 | 1948 | 1130 | 1676 | 5034 | 293 | | 13612 |
| | 10 | 2407 | 969 | 726 | 1312 | 1338 | 111 | | 6863 |
| | 11 | 1156 | 615 | 465 | 511 | 271 | 0 | | 3018 |
| | 12 | 770 | 267 | 956 | 240 | 60 | 0 | | 2293 |
| | NK | 3659 | 2822 | 5704 | 3324 | 5531 | 591 | | 21631 |
| | Total | 21857 | 15414 | 20849 | 15771 | 24101 | 1008 | 0 | 99000 |
| 1960–64 | 1 | 999 | 186 | 272 | 43 | 0 | 0 | | 1500 |
| | 2 | 805 | 87 | 252 | 13 | 0 | 0 | | 1157 |
| | 3 | 1219 | 232 | 244 | 52 | 0 | 0 | | 1747 |
| | 4 | 2029 | 1096 | 979 | 411 | 21 | 0 | | 4536 |
| | 5 | 5816 | 3729 | 4707 | 3000 | 801 | 0 | | 18053 |
| | 6 | 5809 | 4791 | 4895 | 6505 | 4399 | 0 | | 26399 |
| | 7 | 6324 | 3606 | 4395 | 6468 | 7362 | 159 | | 28314 |
| | 8 | 6964 | 2794 | 3301 | 4737 | 9748 | 706 | | 28250 |
| | 9 | 4801 | 1463 | 1602 | 1402 | 5004 | 639 | | 14911 |
| | 10 | 2748 | 1012 | 758 | 1112 | 1643 | 166 | | 7439 |
| | 11 | 2658 | 1191 | 530 | 573 | 282 | 4 | | 5238 |
| | 12 | 1690 | 543 | 360 | 534 | 47 | 0 | | 3174 |
| | NK | 0 | 0 | 891 | 0 | 0 | 0 | | 891 |
| | Total | 41862 | 20730 | 23186 | 24850 | 29307 | 1674 | 0 | 141609 |

TABLE 6d. (Continued). Nominal catches of cod (tons) at West Greenland by small Greenland boats (below 50 GRT) summarized over five-year periods, 1951–94.

| Year | Month | Div. 1F | 1E | 1D | 1C | 1B | 1A | 1NK | Total |
|-------------|---------|---------|-------|-------|-------|-------|------|-----|--------|
| 1965–69 | 1 | 600 | 230 | 1748 | 756 | 39 | 0 | | 3373 |
| | 2 | 384 | 69 | 710 | 250 | 0 | 0 | | 1413 |
| | 3 | 436 | 112 | 794 | 227 | 7 | 0 | | 1576 |
| | 4 | 556 | 142 | 962 | 454 | 12 | 1 | | 2127 |
| | 5 | 2487 | 1050 | 4630 | 2332 | 495 | 1 | | 10995 |
| | 6 | 4112 | 2504 | 5646 | 5745 | 3368 | 0 | | 21575 |
| | 7 | 5176 | 3575 | 4501 | 5334 | 6174 | 101 | | 24861 |
| | 8 | 5842 | 2581 | 2800 | 3424 | 6708 | 628 | | 21983 |
| | 9 | 3285 | 331 | 1695 | 856 | 3693 | 432 | | 10292 |
| | 10 | 2789 | 453 | 1643 | 1377 | 1785 | 147 | | 8194 |
| | 11 | 1977 | 517 | 1414 | 1226 | 538 | 7 | | 5679 |
| | 12 | 1509 | 531 | 1525 | 1723 | 222 | 0 | | 5510 |
| | NK | 0 | 0 | 5410 | 56 | 0 | 0 | | 5466 |
| | Total | 29153 | 12095 | 33478 | 23760 | 23041 | 1317 | 0 | 122844 |
| 1970–74 | · 1 | 190 | 68 | 18 | 38 | 7 | 15 | | 336 |
| | 2 | 53 | 5 | 10 | 0 | 6 | 8 | | 82 |
| | 3 | 33 | 2 | 7 | 0 | 4 | 13 | | 59 |
| | 4 | 42 | 2 | 376 | 3 | 7 | 12 | | 441 |
| | 5 | 90 | 56 | 456 | 153 | 172 | 8 | | 934 |
| | 6 | 490 | 149 | 351 | 1039 | 1441 | 7 | | 3477 |
| | 7 | 2474 | 2333 | 1725 | 2626 | 2059 | 68 | | 11285 |
| | 8 | 4348 | 2682 | 1738 | 988 | 1290 | 365 | | 11411 |
| | 9 | 2507 | 1492 | 422 | 776 | 355 | 322 | | 5874 |
| | 10 | 1384 | 155 | 465 | 155 | 190 | 109 | | 2458 |
| | 11 | 754 | 125 | 174 | 69 | 27 | 53 | | 1202 |
| | 12 | 396 | 139 | 29 | 62 | 6 | 23 | | 655 |
| | NK | 3696 | 1689 | 11935 | 4323 | 1855 | 263 | | 23761 |
| | Total | 16457 | 8897 | 17706 | 10232 | 7419 | 1266 | 0 | 61977 |
| 1975–79 | 1 | 383 | 5 | 20 | 257 | 2 | 5 | | 672 |
| | 2 | 267 | 1 | 17 | 6 | 6 | 14 | | 311 |
| | 3 | 417 | 3 | 17 | 38 | 70 | 20 | | 565 |
| | 4 | 683 | 95 | 137 | 11 | 148 | 23 | | 1097 |
| | 5 | 2202 | 1315 | 385 | 635 | 609 | 40 | | 5186 |
| | 6 | 2129 | 2021 | 307 | 2487 | 2043 | 53 | | 9040 |
| | 7 | 5039 | 6042 | 230 | 3775 | 1995 | 383 | | 17464 |
| | 8 | 6784 | 4247 | 138 | 1085 | 421 | 398 | | 13073 |
| | 9 | 4010 | 1186 | 46 | 568 | 97 | 209 | | 6116 |
| | 10 | 2245 | 889 | 66 | 432 | 110 | 208 | | 3950 |
| | 11 | 1757 | 331 | 39 | 42 | 54 | 55 | | 2278 |
| | 12 | 1329 | 126 | 25 | 7 | 43 | 9 | | 1539 |
| | NK | 1402 | 3842 | 12684 | 1761 | 19 | 0 | | 19708 |
| | Total | 28647 | 20103 | 14111 | 11104 | 5617 | 1417 | 0 | 80999 |
| 1980–84 | 1 | 341 | 36 | 25 | 218 | 59 | 2 | | 681 |
| 1700 04 | 2 | 348 | 18 | 37 | 20 | 84 | 5 | | 512 |
| | 3 | 515 | 193 | 78 | 246 | 57 | 40 | | 1129 |
| | 4 | 435 | 206 | 201 | 88 | 157 | 34 | | 1121 |
| | 5 | 616 | 5719 | 752 | 264 | 902 | 96 | | 8349 |
| | | | .// / | 1.12 | ∠∪+ | /// | /() | | |
| | 6 | 1943 | 757 | 1315 | 2854 | 4482 | 297 | | 11648 |

TABLE 6d. (Continued). Nominal catches of cod (tons) at West Greenland by small Greenland boats (below 50 GRT) summarized over five-year periods, 1951–94.

| Year | Month | Div. 1F | 1E | 1D | 1C | 1B | 1A | 1NK | Total |
|---------|-------|---------|-------|-------|-------|-------|------|-------|--------|
| 1980–84 | 8 | 6506 | 8053 | 3805 | 2227 | 1074 | 195 | | 21860 |
| | 9 | 5128 | 2832 | 4481 | 1422 | 423 | 148 | | 14434 |
| | 10 | 4314 | 1430 | 1459 | 1497 | 655 | 223 | | 9578 |
| | 11 | 3805 | 842 | 646 | 1444 | 290 | 160 | | 7187 |
| | 12 | 1165 | 207 | 4867 | 163 | 82 | 33 | | 6517 |
| | NK | 3544 | 9215 | 13367 | 531 | 95 | 0 | 20973 | 47725 |
| | Total | 33811 | 34207 | 33930 | 14681 | 14272 | 1529 | 20973 | 153402 |
| 1985–89 | 1 | 74 | 297 | 726 | 408 | 124 | 8 | | 1637 |
| | 2 | 40 | 321 | 1196 | 363 | 78 | 12 | | 2010 |
| | 3 | 88 | 67 | 1129 | 16 | 94 | 8 | | 1402 |
| | 4 | 286 | 477 | 1342 | 273 | 117 | 14 | | 2509 |
| | 5 | 1579 | 1598 | 1578 | 1018 | 1463 | 11 | | 7247 |
| | 6 | 1914 | 1519 | 1336 | 2311 | 5672 | 125 | | 12877 |
| | 7 | 2222 | 2093 | 2150 | 1337 | 6507 | 374 | | 14683 |
| | 8 | 2109 | 3732 | 2055 | 900 | 1134 | 200 | | 10130 |
| | 9 | 1607 | 3369 | 1248 | 638 | 865 | 119 | | 7846 |
| | 10 | 783 | 1656 | 1277 | 594 | 1034 | 175 | | 5519 |
| | 11 | 821 | 602 | 263 | 237 | 1005 | 123 | | 3051 |
| | 12 | 133 | 1094 | 89 | 111 | 390 | 23 | | 1840 |
| | NK | 1695 | 4560 | 8110 | 555 | 3271 | 97 | 510 | 18798 |
| | Total | 13351 | 21385 | 22499 | 8761 | 21754 | 1289 | 510 | 89549 |
| 1990–94 | 1 | 62 | 21 | 239 | 22 | 41 | 50 | | 435 |
| | 2 | 56 | 115 | 312 | 10 | 59 | 33 | | 585 |
| | 3 | 245 | 21 | 915 | 6 | 106 | 27 | | 1320 |
| | 4 | 113 | 58 | 1311 | 7 | 134 | 19 | | 1642 |
| | 5 | 1898 | 300 | 2764 | 71 | 942 | 22 | | 5997 |
| | 6 | 2325 | 543 | 4048 | 782 | 5967 | 56 | | 13721 |
| | 7 | 2021 | 675 | 1904 | 1257 | 7231 | 429 | | 13517 |
| | 8 | 1866 | 783 | 924 | 457 | 3059 | 329 | | 7418 |
| | 9 | 373 | 526 | 772 | 150 | 720 | 412 | | 2953 |
| | 10 | 400 | 133 | 523 | 157 | 1516 | 476 | | 3205 |
| | 11 | 383 | 62 | 559 | 147 | 1333 | 379 | | 2863 |
| | 12 | 61 | 27 | 376 | 63 | 425 | 142 | | 1094 |
| | NK | 0 | 0 | 1 | 1 | 2 | 0 | | 4 |
| | Total | 9803 | 3264 | 14648 | 3130 | 21535 | 2374 | 0 | 54754 |

TABLE 6e. Nominal catches of cod (tons) at West Greenland by small Greenland boats (below 50 GRT) over five-year periods and given in per thousand of the total for the period for these boats, 1951–94.

| Year | Month | Div. 1F | 1E | 1D | 1C | 1B | 1A | 1NK | Total |
|---------|-------|---------|-----|--------------|------------|-----------|----|-----|-------|
| | | | C | atches not b | roken down | by month. | | | |
| 1952–54 | 4 NK | 202 | 122 | 193 | 167 | 269 | 46 | | 1000 |
| | Total | 202 | 122 | 193 | 167 | 269 | 46 | 0 | 1000 |

TABLE 6e. (Continued). Nominal catches of cod (tons) at West Greenland by small Greenland boats (below 50 GRT) over five-year periods and given in per thousand of the total for the period for these boats, 1951–94.

| Year | Month | Div. 1F | 1E | 1D | 1C | 1B | 1A | 1NK | Total |
|---------|--------|----------|----------|----------|----------|-------------|--------|-----|------------|
| 1955–59 | 9 1 | 2 | 1 | 2 | 0 | 0 | 0 | 0 | 5 |
| | 2 | 2 | 1 | 5 | 0 | 0 | 0 | 0 | 8 |
| | 3 | 3 | 0 | 8 | 0 | 0 | 0 | 0 | 11 |
| | 4 | 4 | 1 | 11 | 2 | 0 | 0 | 0 | 17 |
| | 5 | 11 34 | 13 23 | 58 43 | 8 23 | 3 14 | 0 | 0 | 94 137 |
| | 7 | 38 | 41 | 22 | 49 | 50 | 1 | 0 | 201 |
| | 8 | 48 | 36 | 12 | 39 | 109 | 5 | 0 | 248 |
| | 9 | 36 | 20 | 11 | 17 | 51 | 3 | 0 | 137 |
| | 10 | 24 | 10 | 7 | 13 | 14 | 1 | 0 | 69 |
| | 11 | 12 | 6 | 5 | 5 | 3 | 0 | 0 | 30 |
| | 12 | 8 | 3 | 10 | 2 | 1 | 0 | 0 | 23 |
| | NK | 0 | 0 | 17 | 1 | 0 | 0 | 0 | 19 |
| | Total | 221 | 156 | 211 | 159 | 243 | 10 | 0 | 1000 |
| 1960–64 | 4 1 | 7 | 1 | 2 | 0 | 0 | 0 | | 11 |
| | 2 | 6 | 1 | 2 | 0 | 0 | 0 | | 8 |
| | 3 | 9 | 2 | 2 | 0 | 0 | 0 | | 12 |
| | 4 | 14 | 8 | 7 | 3 | 0 | 0 | | 32 |
| | 5 | 41 | 26 | 33 | 21 | 6 | 0 | | 127 |
| | 6 7 | 41 45 | 34 25 | 35 31 | 46 46 | 31 52 | 0 1 | | 186 200 |
| | 8 | 49 | 20 | 23 | 33 | 69 | 5 | | 199 |
| | 9 | 34 | 10 | 11 | 10 | 35 | 5 | | 105 |
| | 10 | 19 | 7 | 5 | 8 | 12 | 1 | | 53 |
| | 11 | 19 | 8 | 4 | 4 | 2 | 0 | | 37 |
| | 12 | 12 | 4 | 3 | 4 | 0 | 0 | | 22 |
| | NK | 0 | 0 | 6 | 0 | 0 | 0 | | 6 |
| | Total | 296 | 146 | 164 | 175 | 207 | 12 | 0 | 1000 |
| 1965–69 | 9 1 | 5 | 2 | 14 | 6 | 0 | 0 | | 27 |
| | 2 | 3 | 1 | 6 | 2 | 0 | 0 | | 12 |
| | 3 | 4 | 1 | 6 | 2 | 0 | 0 | | 13 |
| | 4 | 5 | 1 | 8 | 4 | 0 | 0 | | 17 |
| | 5 | 22 36 | 9 22 | 38 46 | 19 47 | 4 27 | 0 | | 90 174 |
| | 6 7 | 45 | 31 | 37 | 43 | 50 | 0 1 | | 202 |
| | 8 | 51 | 22 | 23 | 28 | 55 | 5 | | 179 |
| | 9 | 28 | 3 | 14 | 7 | 30 | 4 | | 84 |
| | 10 | 24 | 4 | 13 | 11 | 15 | 1 | | 67 |
| | 11 | | 4 | | 10 | 4 | 0 | | 46 |
| | 12 | 13 | 5 | 12 | 14 | 4 2 0 | 0 | | 45 |
| | NK | 0 | 0 | 44 | 0 | 0 | 0 | | 44 |
| | Total | 253 | 105 | 273 | 193 | 188 | 11 | 0 | 1000 |
| 1970–74 | | 3 | 1 | 0 | 1 | 0 | 0 | | 5 |
| | 2 | 1 | 0 | 0 | 0 | 0 | 0 | | 1 |
| | 3 | 1 | 0 | 0 | 0 | 0 | 0 | | 1 |
| | 4 | 1 | 0 | 6 | 0 | 0 | 0 | | 7 |
| | 5 | 1 | 1 2 | 7 | 2 | 3 | 0 | | 15 56 |
| | 6 7 | 8 40 | 38 | 6 28 | 17 42 | 23 33 | 0 | | 56 182 |
| | / | 40 | 30 | 40 | 42 | 33 | 1 | | 102 |

TABLE 6e. (Continued). Nominal catches of cod (tons) at West Greenland by small Greenland boats (below 50 GRT) over five-year periods and given in per thousand of the total for the period for these boats, 1951–94.

| Year | Month | Div. 1F | 1E | 1D | 1C | 1B | 1A | 1NK | Total |
|---------|--------------|---------|----------|-----|-------|-----|----|-----|----------|
| 1970–74 | | 70 | 43 | 28 | 16 | 21 | 6 | | 184 |
| | 9 | 40 | 24 | 7 | 13 | 6 | 5 | | 95 |
| | 10 | 22 | 3 2 | 8 | 3 | 3 | 2 | | 40 |
| | 11 | 12 | 2 | 3 | 1 | 0 | 1 | | 19 |
| | 12 | | 2 | 0 | 1 | 0 | 0 | | 11 |
| | NK T. () | 60 | | 193 | 70 | 30 | 4 | 0 | 383 |
| | Total | 266 | 144 | 286 | 165 | 120 | 20 | 0 | 1000 |
| 1975–79 | 1 | 5 | 0 | 0 | 3 | 0 | 0 | | 8 |
| | 2 | 3 | 0 | 0 | 0 | 0 | 0 | | 4 |
| | 3 | 5 | 0 | 0 | 0 | 1 | 0 | | 7 |
| | 4 | 8 | 1 | 2 | 0 | 2 | 0 | | 14 |
| | 5 | 27 | 16 | 5 | 8 | 8 | 0 | | 64 |
| | 6 | 26 | 25 | 4 | 31 | 25 | 1 | | 112 |
| | 7 | 62 | 75 52 | 3 | 47 | 25 | 5 | | 216 |
| | 8 | 84 | 52 | 2 | 13 | 5 | 5 | | 161 |
| | 9 | 50 | 15 | 1 | 7 | 1 | 3 | | 76 40 |
| | 10 | 28 | 11 | 1 | 5 | 1 | 3 | | 49 |
| | 11 | 22 | 4 | 0 | 1 | 1 | 1 | | 28 |
| | 12 NV | 16 | 2 | 0 | 0 | 1 | 0 | | 19 |
| | NK | | | 157 | 22 | 0 | | | 243 |
| | Total | 354 | 248 | 174 | 137 | 69 | 17 | 0 | 1000 |
| 980–84 | 1 | 2 | 0 | 0 | 1 | 0 | 0 | | 4 |
| | 2 | 2 | 0 | 0 | 0 | 1 | 0 | | 3 |
| | 3 | 3 | 1 | 1 | 2 | 0 | 0 | | 7 |
| | 4 | 3 | 1 | 1 | 1 | 1 | 0 | | 7 |
| | 5 | 4 | 37 | 5 | 2 | 6 | 1 | | 54 |
| | 6 | 13 | 5 | 9 | 19 | 29 | 2 | | 76 |
| | 7 | 34 | 31 | 19 | 24 | 39 | 2 | | 147 |
| | 8 | 42 | 52 | 24 | 15 | 7 | 1 | | 143 |
| | 9 | 33 | 19 | 29 | 9 | 3 | 1 | | 94 |
| | 10 | 28 | 9 | 10 | 10 | 4 | 1 | | 62 |
| | 11 | 25 | 6 | 4 | 9 | 2 | 1 | | 47 |
| | 12 | 8 | 1 | 32 | 1 | 1 | 0 | | 43 |
| | NK | 23 | 60 | 87 | 3 | 1 | 0 | 137 | 311 |
| | Total | 220 | 223 | 221 | 96 | 93 | 10 | 137 | 1000 |
| 1985–89 | | 1 | 3 | 8 | 4 | 1 | 0 | | 18 |
| | 2 | 0 | 4 | 13 | 4 | 1 | 0 | | 22 |
| | 3 | 1 | 1 | 12 | 0 | 1 | 0 | | 16 |
| | 4 | 3 | 5 | 15 | 3 | 1 | 0 | | 28 |
| | 5 | 18 | 18 | 17 | 11 | 16 | 0 | | 81 |
| | 6 | 21 | 17 | 15 | 26 | 63 | 1 | | 144 |
| | 7 | 25 | 23 | 24 | 15 | 73 | 4 | | 164 |
| | 8 | 23 | 42 | 23 | 10 | 12 | 2 | | 113 |
| | 9 | 18 | 38 | 14 | 7 | 10 | 1 | | 88 |
| | 10 | 9 | 18 | 14 | 7 | 12 | 2 | | 62 |
| | 11 | 9 | 7 | 3 | 3 | 11 | 1 | | 34 |
| | 12 NW | 1 | 12 | 1 | 1 | 4 | 0 | - | 21 |
| | NK | 19 | 50 | 89 | 6 | 36 | 1 | 6 | 210 |
| | Total | 149 | 239 | 251 | 98 | 243 | 14 | 6 | 1000 |

TABLE 6e. (Continued). Nominal catches of cod (tons) at West Greenland by small Greenland boats (below 50 GRT) over five-year periods and given in per thousand of the total for the period for these boats, 1951–94.

| Year | Month | Div. 1F | 1E | 1D | 1C | 1B | 1A | 1NK | Total |
|---------|-------|---------|----|-----|----|-----|----|-----|-------|
| 1990–94 | 1 | 1 | 0 | 4 | 0 | 1 | 1 | | 8 |
| | 2 | 1 | 2 | 6 | 0 | 1 | 1 | | 11 |
| | 3 | 4 | 0 | 17 | 0 | 2 | 0 | | 24 |
| | 4 | 2 | 1 | 24 | 0 | 2 | 0 | | 30 |
| | 5 | 35 | 5 | 50 | 1 | 17 | 0 | | 110 |
| | 6 | 42 | 10 | 74 | 14 | 109 | 1 | | 251 |
| | 7 | 37 | 12 | 35 | 23 | 132 | 8 | | 247 |
| | 8 | 34 | 14 | 17 | 8 | 56 | 6 | | 135 |
| | 9 | 7 | 10 | 14 | 3 | 13 | 8 | | 54 |
| | 10 | 7 | 2 | 10 | 3 | 28 | 9 | | 59 |
| | 11 | 7 | 1 | 10 | 3 | 24 | 7 | | 52 |
| | 12 | 1 | 0 | 7 | 1 | 8 | 3 | | 20 |
| | NK | 0 | 0 | 0 | 0 | 0 | 0 | | 0 |
| | Total | 179 | 60 | 268 | 57 | 393 | 43 | 0 | 1000 |

TABLE 7a. Nominal catches of cod at West Greenland by Greenland trawlers above 150 GRT, 1973–85. Only catches when cod was the target species and when effort (hours fished) was reported are included. No fishing in Div. 1A. "—" = no fishing. 0 = fishing but no catch reported.

| D: | | 1 | г. | | Б. | 1.7 | | | | - | D | | . 1 |
|--------------|----------|-------|------|------------|------------|-------------|-----------|------------|--------------|-------|-------|--------------|-------------|
| Div. Year | Month | | F | | E | 1I Hours | | Hours | C | Hours | B | Hours | tal Tons |
| rear | Monun | Hours | TOHS | nours | TOHS | пошѕ | TOHS | nours | TOHS | nours | 10118 | nours | 10118 |
| 1973 | 1 | | | | | 491 | 351 | 380 | 248 | | | 871 | 599 |
| | 2 | | | | | 55 | 44 | 1137 | 1028 | | | 1192 | 1072 |
| | 3 | | | 42 | 72 | 772 | 773 | 141 | 58 | | | 955 | 903 |
| | 4 | 25 | 5 | 479 | 502 | 510 | 616 | 37 | 16 | | | 1051 | 1139 |
| | 5 | | | 32 | 23 | 215 | 133 | 365 | 261 | | | 612 | 417 |
| | 6 | 69 | 134 | 1002 | 1287 | 491 | 264 | 3 | 1 | | | 1565 | 1686 |
| | 7 | | | 332 | 161 | 380 | 167 | 15 | 1 | 202 | 88 | 929 | 417 |
| | 8 | 777 | 349 | 51 | 16 | 90 | 33 | | | 4 | 1 | 922 | 399 |
| | 9 | | | | | 597 | 170 | | | | | 597 | 170 |
| | 10 | 155 | 16 | 185 | 71 | 711 | 325 | 10 | 0 | 14 | 2 | 1075 | 414 |
| | 11 | 48 | 12 | 238 | 54 | 1130 | 284 | 40 | 3 | 5 | 0 | 1461 | 353 |
| | 12 | 11 | 6 | 77 | 44 | 750 | 414 | 40 | 11 | 16 | 1 | 894 | 476 |
| | Total | 1085 | 522 | 2438 | 2230 | 6192 | 3574 | 2168 | 1627 | 241 | 92 | 12124 | 8045 |
| 1974 | 1 | 44 | 31 | 407 | 492 | 312 | 196 | 95 | 21 | | | 858 | 740 |
| 17/4 | 2 | 20 | 10 | 77 | 34 | 312 | 170 | 1778 | 1791 | | | 1875 | 1835 |
| | 3 | 111 | 104 | 528 | 252 | 733 | 325 | 144 | 91 | | | 1516 | 772 |
| | 4 | 139 | 129 | 508 | 568 | 431 | 504 | 56 | 39 | | | 1134 | 1240 |
| | 5 | 137 | 12) | 239 | 375 | 628 | 1021 | | 1345 | | | 1582 | 2741 |
| | 6 | | | 932 | 1082 | 239 | 192 | 67 | 71 | | | 1238 | 1345 |
| | 7 | 122 | 12 | 561 | 357 | 578 | 170 | 16 | 8 | | | 1277 | 547 |
| | 8 | 121 | 269 | 523 | 357 | 344 | 264 | 4 | 1 | | | 992 | 891 |
| | 9 | 121 | 207 | 323 | 331 | 346 | 114 | 14 | 0 | | | 360 | 114 |
| | 10 | | | 32 | 1 | 311 | 62 | 18 | 0 | | | 361 | 63 |
| | 11 | | | 6 | 1 | 147 | 35 | 8 | 1 | | | 161 | 37 |
| | 12 | 33 | 25 | 129 | 65 | 359 | 180 | 147 | 43 | | | 668 | 313 |
| | 1) Total | 590 | 580 | | 3584 | 4428 | 3063 | 3062 | | | | 12022 | |
| 1075 | | | | 125 | 40 | 220 | 122 | 1714 | 1010 | | | 2100 | 1201 |
| 1975 | 1 | | | 135 7 | 49 | 339 | 133 | | 1019 | | | 2188 | 1201 |
| | 2 3 | 19 | 11 | 92 | 1 55 | 66 | 91 58 | 1765 | 1237 1022 | | | 1838 1527 | 1329 |
| | | 19 | 11 | | | 124 | | 1292 | 773 | | | | 1146 |
| | 4 5 | 79 | 24 | 266 | 180 | 335 | 209 | 1154 | | | | 1755 1821 | 1162 |
| | 6 | 19 | 24 | 281 573 | 115 229 | 834 275 | 309 98 | 627 521 | 542 397 | | | 1369 | 990 724 |
| | 7 | 82 | 46 | 414 | 129 | 583 | 152 | 50 | 49 | | | 1129 | 376 |
| | 8 | 62 | 40 | 533 | 267 | 219 | 152 | 30 | 43 | | | 752 | 282 |
| | 9 | | | 84 | 6 | 478 | 76 | | | | | | 82 |
| | 10 | | | 305 | 10 | 516 | 71 | | | | | 562 821 | 81 |
| | 11 | | | 352 | 88 | 745 | 65 | | | | | 1097 | 153 |
| | 12 | | | 215 | 81 | 610 | 36 | 275 | 62 | | | 1100 | 179 |
| | 1) Total | 180 | 81 | 3257 | 1210 | 5124 | 1313 | 7398 | | | | 15959 | 7705 |
| 1976 | 1 | | | 259 | 184 | 678 | 405 | 1198 | 800 | | | 2135 | 1389 |
| | 2 | | | 1 | 2 | 193 | 27 | 1520 | 1006 | | | 1714 | 1035 |
| | 3 | | | 484 | 515 | 535 | 377 | 864 | 829 | | | 1883 | 1721 |
| | 4 | | | 724 | 299 | 900 | 105 | | | | | 1624 | 404 |
| | 5 | | | 1379 | 1048 | 408 | 89 | 275 | 155 | | | 2062 | 1292 |
| | 6 | | | 549 | 338 | 405 | 115 | 232 | 68 | | | 1186 | 521 |
| | 7 | | | 951 | 139 | 221 | 49 | | | | | 1172 | 188 |
| | 8 | | | 224 | 68 | 406 | 188 | | | | | 630 | 256 |

TABLE 7a. (Continued). Nominal catches of cod at West Greenland by Greenland trawlers above 150 GRT, 1973–85. Only catches when cod was the target species and when effort (hours fished) was reported are included. No fishing in Div. 1A. "—" = no fishing. 0 = fishing but no catch reported.

| Div. | | 1 | F | 1 | ΙE | 11 |) | 1 | l C | 1 | В | Тс | tal |
|------|--------|-------|-----------|-------|------|-------|------|-------|-------|-------|------|----------|----------|
| Year | Month | Hours | Tons | Hours | Tons | Hours | Tons | Hours | Tons | Hours | Tons | Hours | Tons |
| 1976 | 9 | | | 107 | 13 | 575 | 277 | | | | | 682 | 290 |
| | 10 | | | 560 | 518 | 261 | 241 | | | | | 821 | 759 |
| | 11 | | | 649 | 788 | 641 | 740 | 82 | 45 | | | 1372 | 1573 |
| | 12 | | | 603 | 773 | 689 | 584 | 197 | 94 | | | 1489 | 1451 |
| | Total | | | | 4685 | 5912 | 3197 | 4368 | 2997 | | | 16770 | 10879 |
| 1977 | 1 | | | 541 | 804 | 329 | 323 | 791 | 853 | | | 1661 | 1980 |
| | 2 | | | 433 | 748 | 217 | 190 | 797 | 1029 | | | 1447 | 1967 |
| | 3 | | | 409 | 214 | 373 | 124 | 670 | 525 | | | 1452 | 863 |
| | 4 | | | 754 | 1300 | 156 | 37 | 103 | 12 | | | 1013 | 1349 |
| | 5 | | | 742 | 1191 | 307 | 589 | 26 | 32 | | | 1075 | 1812 |
| | 6 | 33 | 111 | 380 | 973 | 103 | 222 | | | | | 516 | 1306 |
| | 7 | 88 | 182 | 141 | 157 | 28 | 16 | | | | | 257 | 355 |
| | 8 9 | | | | | | | | | | | 0 | 0 |
| | 10 | | | | | | | | | | | $0 \\ 0$ | $0 \\ 0$ |
| | 11 | | | | | | | | | | | 0 | 0 |
| | 12 | | | 46 | 72 | 32 | 17 | 45 | 27 | | | 123 | 116 |
| | Total | 121 | 293 | | | 1545 | | | 2478 | | | 7544 | 9748 |
| | 10141 | 121 | 293 | 3440 | 3439 | 1343 | 1316 | 2432 | 24/6 | | | /344 | 9/40 |
| 1978 | 1 | | | 260 | 257 | 5 | 1 | 1316 | 3244 | | | 1581 | 3502 |
| | 2 | | | | | 221 | 713 | 593 | 3159 | | | 814 | 3872 |
| | 3 | | | | | 35 | 37 | | 3370 | | | 1156 | 3407 |
| | 4 | | | | 2241 | 162 | 596 | 487 | 1655 | | | 999 | 4492 |
| | 5 | | | 142 | 564 | 62 | 36 | | | | | 204 | 600 |
| | 6 | 4 | 20 | | | | | | | | | 0 | 0 |
| | 7 8 | 4 8 | 28 | | | | | | | | | 4 8 | 28 79 |
| | 9 | 52 | 79 101 | 5 | 12 | 79 | 45 | | | | | 136 | 158 |
| | 10 | 6 | 4 | 32 | 28 | 27 | 18 | | | | | 65 | 50 |
| | 11 | Ü | - | 21 | 29 | 120 | 261 | | | | | 141 | 290 |
| | 12 | | | 63 | 137 | 104 | 707 | 45 | 375 | | | 212 | 1219 |
| | Total | 70 | 212 | | 3268 | | 2414 | | 11803 | | | | 17697 |
| 1979 | 1 | | | | | 388 | 1619 | 1098 | 3293 | | | 1486 | 4912 |
| 17/7 | 2 | | | 18 | 7 | | | 1142 | | | | 1287 | |
| | 3 | | | 105 | 76 | 196 | 337 | 487 | 396 | | | 788 | 809 |
| | 4 | | | 142 | 359 | 159 | 526 | 147 | 471 | | | 448 | 1356 |
| | 5 | | | 100 | 269 | 208 | 663 | 60 | 186 | | | 368 | 1118 |
| | 6 | | | | | 85 | 305 | 49 | 157 | | | 134 | 462 |
| | 7 | | | | | | | | | | | 0 | 0 |
| | 8 | | | | | | | | | | | 0 | 0 |
| | 9 | | | | | | | | | | | 0 | 0 |
| | 10 | | | | | | | | | | | 0 | 0 |
| | 11 | 0 | 2.4 | | | | | 10 | | | | 0 | 0 |
| | 12 | 9 | 24 | | | | | 12 | | | | 21 | 25 |
| | Total | 9 | 24 | 365 | 711 | 1163 | 3586 | 2995 | 6429 | | | 4532 | 10750 |

TABLE 7a. (Continued). Nominal catches of cod at West Greenland by Greenland trawlers above 150 GRT, 1973–85. Only catches when cod was the target species and when effort (hours fished) was reported are included. No fishing in Div. 1A. "—" = no fishing. 0 = fishing but no catch reported.

| Div. | | 1 | | | Е | 11 | | | С | | В | | otal |
|------|-------|--------|------|-------|------|-------|------|----------|------|-------|------|-------|-------|
| Year | Month | Hours | Tons | Hours | Tons | Hours | Tons | Hours | Tons | Hours | Tons | Hours | Tons |
| 1980 | 1 | 4 | 2 | 61 | 15 | 160 | 292 | 628 | 780 | | | 853 | 1089 |
| 1,00 | 2 | | _ | 5 | 1 | 65 | 54 | 103 | 71 | 382 | 1680 | 555 | 1806 |
| | 3 | 7 | 8 | 154 | 84 | 241 | 194 | 285 | 212 | 5 | 1 | 692 | 499 |
| | 4 | 3 | 5 | 256 | 301 | 4 | 1 | 1 | 1 | | | 264 | 308 |
| | 5 | 1 | 1 | 283 | 474 | 23 | 58 | 1 | 0 | | | 308 | 533 |
| | 6 | 3 | 2 | 214 | 415 | 18 | 29 | 1 | 2 | | | 236 | 448 |
| | 7 | | | | | | | | | | | 0 | 0 |
| | 8 | | | 4 | 1 | 8 | 1 | | | | | 12 | 2 |
| | 9 | 16 | 6 | 11 | 2 | 83 | 34 | 24 | 20 | | | 134 | 62 |
| | 10 | | | 21 | 3 | 644 | 648 | 214 | 130 | | | 879 | 781 |
| | 11 | 2 | 2 | 122 | 40 | 910 | 533 | 37 | 9 | 406 | 119 | 1477 | 703 |
| | 12 | | | 17 | 17 | 235 | 208 | 408 | 708 | | | 660 | 933 |
| | Total | 36 | 26 | 1148 | 1353 | 2391 | 2052 | 1702 | 1933 | 793 | 1800 | 6070 | 7164 |
| 1981 | 1 | | | 19 | 43 | 103 | 108 | 325 | 1374 | | | 447 | 1525 |
| | 2 | | | | | 48 | 233 | 338 | 1104 | | | 386 | 1337 |
| | 3 | | | 99 | 606 | 207 | 674 | 348 | 990 | | | 654 | 2270 |
| | 4 | | | 294 | 1477 | 110 | 474 | 24 | 99 | | | 428 | 2050 |
| | 5 | | | 225 | 1165 | | | 2 | 1 | | | 227 | 1166 |
| | 6 | | | 143 | 492 | 55 | 87 | | | | | 198 | 579 |
| | 7 | | | 38 | 28 | 119 | 98 | | | | | 157 | 126 |
| | 8 | | | | | | | | | | | 0 | 0 |
| | 9 | | | | | | | | | | | 0 | 0 |
| | 10 | | | 22 | 9 | 212 | 176 | 6 | 3 | | | 240 | 188 |
| | 11 | | | 3 | 2 | 785 | 2335 | | | | | 788 | 2337 |
| | 12 | | | 109 | 559 | 217 | 516 | 236 | 683 | | | 562 | 1758 |
| | Total | | | 952 | 4381 | 1856 | 4701 | 1279 | 4254 | | | 4087 | 13336 |
| 1982 | 1 | | | | | 339 | 1096 | 604 | 1966 | | | 943 | 3062 |
| | 2 | | | 299 | 1648 | 329 | 739 | 115 | 208 | | | 743 | 2595 |
| | 3 | | | 869 | 1325 | 523 | 433 | 290 | 377 | | | 1682 | 2135 |
| | 4 | | | 821 | 2572 | 76 | 77 | | | | | 897 | 2649 |
| | 5 | | | 442 | 1950 | 179 | 812 | 11 | 51 | | | 632 | 2813 |
| | 6 | | | 23 | 177 | 116 | 386 | 266 | 641 | | | 405 | 1204 |
| | 7 | | | 23 | 39 | 280 | 580 | | | | | 303 | 619 |
| | 8 | 14 | 10 | 119 | 211 | 137 | 220 | | | | | 270 | 441 |
| | 9 | 3 | 1 | | 38 | 469 | 465 | 101 | 72 | 37 | 24 | | 600 |
| | 10 | | | 23 | 10 | 778 | 751 | 196 | 249 | | | 997 | 1010 |
| | 11 | | | 28 | 101 | 683 | 1201 | 319 | 449 | 60 | 109 | 1090 | 1860 |
| | 12 | | | | 1387 | 487 | 643 | 37 | 10 | | | 1139 | 2040 |
| | Total | 17 | 11 | 3301 | 9458 | 4396 | 7403 | 1939 | 4023 | 97 | 133 | 9750 | 21028 |
| 1983 | 1 | | | | 1723 | 235 | 471 | 27 | 11 | | | 842 | 2205 |
| | 2 | | _ | 509 | 315 | 524 | 404 | 6 | 1 | | | 1039 | 720 |
| | 3 | 2 | 2 | | 1805 | 53 | 38 | - | | | | 1190 | 1845 |
| | 4 | | | | 2903 | 94 | 316 | 2 | 0 | | | 1340 | 3219 |
| | 5 | | | | 1052 | 251 | 476 | | | | | 880 | 1528 |
| | 6 | | | 394 | 1059 | 289 | 517 | 13 | 10 | | | 696 | 1586 |
| | 7 | 110 | 110 | 366 | 823 | 447 | 499 | 271 | 306 | | | 1084 | 1628 |
| | 8 | 112 | 110 | 583 | 1201 | 287 | 392 | 59 | 81 | | | 1041 | 1784 |

TABLE 7a. (Continued). Nominal catches of cod at West Greenland by Greenland trawlers above 150 GRT, 1973–85. Only catches when cod was the target species and when effort (hours fished) was reported are included. No fishing in Div. 1A. "—" = no fishing. 0 = fishing but no catch reported.

| Div. | | 1 | F | | 1E | 11 |) | 1 | С | 1 | В | То | tal |
|------|---------------------|-------|------|-------|-------|-------|------|-------|------|-------|------|-------|-------|
| Year | Month | Hours | Tons | Hours | Tons | Hours | Tons | Hours | Tons | Hours | Tons | Hours | Tons |
| 1983 | 9 | | | 47 | 17 | 465 | 88 | 202 | 151 | | | 714 | 256 |
| | 10 | | | 16 | 1 | 573 | 186 | | | | | 589 | 187 |
| | 11 | | | 344 | 304 | 582 | 528 | 13 | 2 | | | 939 | 834 |
| | 12 | | | 472 | 183 | 240 | 60 | | | | | 712 | 243 |
| | Total | 114 | 112 | 6319 | 11386 | 4040 | 3975 | 593 | 562 | | | 11066 | 16035 |
| 1984 | 1 | | | 764 | 1064 | 238 | 108 | | | | | 1002 | 1172 |
| | 2 | 134 | 142 | 270 | 344 | 3 | | | | | | 407 | 486 |
| | 3 | 83 | 38 | 37 | 11 | 6 | 1 | | | | | 126 | 50 |
| | 4 | | | 104 | 60 | | | | | | | 104 | 60 |
| | 5 | | | | | | | | | | | 0 | 0 |
| | 6 | | | 1 | 2 | | | | | | | 1 | 2 |
| | 7 | | | 2 | | 2 | 0 | | | | | 4 | 0 |
| | 8 | | | 386 | 702 | 632 | 1477 | | | | | 1018 | 2179 |
| | 9 | 10 | 1 | 429 | 128 | 871 | 316 | | | 51 | 1 | 1361 | 446 |
| | 10 | 90 | 4 | 267 | 55 | 91 | 6 | | | | | 448 | 65 |
| | 11 | | | 11 | 2 | 66 | 28 | | | | | 77 | 30 |
| | 12 | | | 5 | 1 | 17 | 8 | | | | | 22 | 9 |
| | Total | 317 | 185 | 2276 | 2369 | 1926 | 1944 | | | 51 | 1 | 4570 | 4499 |
| 1985 | 1 | 5 | 7 | 434 | 247 | 55 | 2 | | | | | 494 | 256 |
| | 2 | | | | | | | | | | | 0 | 0 |
| | 3 | | | | | | | | | | | 0 | 0 |
| | 4 | 78 | 104 | 317 | 427 | 3 | 0 | | | | | 398 | 531 |
| | 5 | 8 | 0 | 340 | 232 | 58 | 30 | | | | | 406 | 262 |
| | 6 | | | 186 | 134 | 29 | 13 | | | | | 215 | 147 |
| | 7 | | | 94 | 26 | 179 | 92 | | | | | 273 | 118 |
| | 8 | 11 | 0 | 272 | 211 | | | | | | | 283 | 211 |
| | 9 | | | 294 | 99 | 21 | 0 | | | | | 315 | 99 |
| | 10 | 11 | 0 | 12 | 0 | 31 | 0 | | | | | 54 | 0 |
| | 11 | | | | | | | | | | | 0 | 0 |
| | 12 | | | 101 | 182 | 2 | 2 | | | | | 103 | 184 |
| | ²⁾ Total | 113 | 111 | 2050 | 1558 | 378 | 139 | | | | | 2541 | 1808 |

¹⁾ For 1974 and 1975 catches were not reported at directed cod fishing but by "roundfish" as the target although cod seems to have been the major target.

TABLE 7b. Catch-per-unit-effort (kg/hour trawled) at West Greenland by Greenland trawlers above 150 GRT, 1973–85 (calculated from Table 7a). "-" = no fishing. 0 = fishing but no catch reported.

| | | | | CPUE (Kg/hr) | | |
|------|-------|----|------|--------------|-----|----|
| Year | Month | 1F | 1E | 1D | 1C | 1B |
| 1973 | 1 | | | 715 | 653 | |
| | 2 | | | 800 | 904 | |
| | 3 | | 1714 | 1001 | 411 | |

²⁾ For 1985 part of the cod catch by trawlers was reported without information of effort, wiz. Div. 1F 764 tons, Div. 1E 545 tons and Div. 1D 986 tons in total 2 250 tons in addition to those in the table.

TABLE 7b. (Continued). Catch-per-unit-effort (kg/hour trawled) at West Greenland by Greenland trawlers above 150 GRT, 1973–85 (calculated from Table 7a). "—" = no fishing. 0 = fishing but no catch reported.

| | | | | CPUE (Kg/hr) | | |
|----------|----------|-------|--------------|--------------|------------|-----|
| Year | Month | 1F | 1E | 1D | 1C | 1B |
| 1973 | 4 | 200 | 1048 | 1208 | 432 | |
| 1773 | 5 | 200 | 719 | 619 | 715 | |
| | 6 | 1942 | 1284 | 538 | 333 | |
| | 7 | 17.12 | 485 | 439 | 67 | 436 |
| | 8 | 449 | 314 | 367 | | 250 |
| | 9 | | | 285 | | |
| | 10 | 103 | 384 | 457 | 0 | 143 |
| | 11 | 250 | 227 | 251 | 75 | (|
| | 12 | 545 | 571 | 552 | 275 | 63 |
| 1974 | 1 | 705 | 1209 | 628 | 221 | |
| | 2 | 500 | 442 | | 1007 | |
| | 3 | 937 | 477 | 443 | 632 | |
| | 4 | 928 | 1118 | 1169 | 696 | |
| | 5 | | 1569 | 1626 | 1881 | |
| | 6 | | 1161 | 803 | 1060 | |
| | 7 | 98 | 636 | 294 | 500 | |
| | 8 | 2223 | 683 | 767 | 250 | |
| | 9 | | | 329 | 0 | |
| | 10 | | 31 | 199 | 0 | |
| | 11 | | 167 | 238 | 125 | |
| | 12 | 758 | 504 | 501 | 293 | |
| 1975 | 1 | | 363 | 392 | 595 | |
| | 2 | | 143 | 1379 | 701 | |
| | 3 | 579 | 598 | 468 | 791 | |
| | 4 | | 677 | 624 | 670 | |
| | 5 | 304 | 409 | 371 | 864 | |
| | 6 | | 400 | 356 | 762 | |
| | 7 | 561 | 312 | 261 | 980 | |
| | 8 | | 501 | 68 | | |
| | 9 | | 71 | 159 | | |
| | 10 | | 33 | 138 | | |
| | 11 | | 250 | 87 | | |
| | 12 | | 377 | 59 | 225 | |
| 1976 | 1 | | 710 | 597 | 668 | |
| | 2 | | 2000 | 140 | 662 | |
| | 3 | | 1064 | 705 | 959 | |
| | 4 | | 413 | 117 | | |
| | 5 | | 760 | 218 | 564 | |
| | 6 | | 616 | 284 | 293 | |
| | 7 | | 146 | 222 | | |
| | 8 | | 304 | 463 | | |
| | 9 | | 121 | 482 | | |
| | 10 | | 925 | 923 | 540 | |
| | 11 12 | | 1214 1282 | 1154 848 | 549 477 | |
| 1977 | 1 | | 1486 | 982 | 1078 | |
| 1711 | 2 | | 1727 | 876 | 1291 | |
| | 3 | | 523 | 332 | 784 | |
| | 4 | | 1724 | 237 | 117 | |

TABLE 7b. (Continued). Catch-per-unit-effort (kg/hour trawled) at West Greenland by Greenland trawlers above 150 GRT, 1973–85 (calculated from Table 7a). "-" = no fishing. 0 = fishing but no catch reported.

| | | _ | | CPUE (Kg/hr) | | |
|------|----------|------|------|--------------|------|------|
| Year | Month | 1F | 1E | 1D | 1C | 1B |
| 1977 | 5 | | 1605 | 1919 | 1231 | |
| 17// | 6 | 3364 | 2561 | 2155 | 1231 | |
| | 7 | 2068 | 1113 | 571 | | |
| | 8 | 2008 | 1113 | 371 | | |
| | 9 | | | | | |
| | 10 | | | | | |
| | | | | | | |
| | 11 12 | | 1565 | 531 | 600 | |
| | | | | | | |
| 1978 | 1 | | 988 | 200 | 2465 | |
| | 2 | | | 3226 | 5327 | |
| | 3 | | | 1057 | 3006 | |
| | 4 | | 6403 | 3679 | 3398 | |
| | 5 | | 3972 | 581 | | |
| | 6 | | | | | |
| | 7 | 7000 | | | | |
| | 8 | 9875 | | | | |
| | 9 | 1942 | 2400 | 570 | | |
| | 10 | 667 | 875 | 667 | | |
| | 11 | | 1381 | 2175 | | |
| | 12 | | 2175 | 6798 | 8333 | |
| 1979 | 1 | | | 4173 | 2999 | |
| | 2 | | 389 | 1071 | 1686 | |
| | 3 | | 724 | 1719 | 813 | |
| | 4 | | 2528 | 3308 | 3204 | |
| | 5 | | 2690 | 3188 | 3100 | |
| | 6 | | | 3588 | 3204 | |
| | 7 | | | | | |
| | 8 | | | | | |
| | 9 | | | | | |
| | 10 | | | | | |
| | 11 | | | | | |
| | 12 | 2667 | | | 83 | |
| 1980 | 1 | 500 | 246 | 1825 | 1242 | |
| | 2 | | 200 | 831 | 689 | 4398 |
| | 3 | 1143 | 545 | 805 | 744 | 200 |
| | 4 | 1667 | 1176 | 250 | 1000 | _00 |
| | 5 | 1000 | 1675 | 2522 | 0 | |
| | 6 | 667 | 1939 | 1611 | 2000 | |
| | 7 | 007 | 1,3, | 1011 | 2000 | |
| | 8 | | 250 | 125 | | |
| | 9 | 375 | 182 | 410 | 833 | |
| | 10 | 373 | 143 | 1006 | 607 | |
| | 11 | 1000 | 328 | 586 | 243 | 293 |
| | 12 | 1000 | 1000 | 885 | 1735 | 2,73 |
| 1981 | 1 | | 2263 | 1049 | 4228 | |
| 1701 | 2 | | 2203 | 4854 | 3266 | |
| | 3 | | 6121 | 3256 | 2845 | |
| | 4 | | 5024 | 4309 | 4125 | |
| | | | | 4307 | | |
| | 5 | | 5178 | | 500 | |

TABLE 7b. (Continued). Catch-per-unit-effort (kg/hour trawled) at West Greenland by Greenland trawlers above 150 GRT, 1973–85 (calculated from Table 7a). "-" = no fishing. 0 = fishing but no catch reported.

| | | | | CPUE (Kg/hr) | | |
|------|----------|------|--------------|--------------|------|------|
| Year | Month | 1F | 1E | 1D | 1C | 1B |
| 1981 | 6 | | 3441 | 1582 | | |
| 1701 | 7 | | 737 | 824 | | |
| | 8 | | , , , | 02. | | |
| | 9 | | | | | |
| | 10 | | 409 | 830 | 500 | |
| | 11 | | 667 | 2975 | | |
| | 12 | | 5128 | 2378 | 2894 | |
| 1982 | 1 | | | 3233 | 3255 | |
| | 2 | | 5512 | 2246 | 1809 | |
| | 3 | | 1525 | 828 | 1300 | |
| | 4 | | 3133 | 1013 | | |
| | 5 | | 4412 | 4536 | 4636 | |
| | 6 | | 7696 | 3328 | 2410 | |
| | 7 | | 1696 | 2071 | | |
| | 8 | 714 | 1773 | 1606 | | |
| | 9 | 333 | 974 | 991 | 713 | 649 |
| | 10 | | 435 | 965 | 1270 | |
| | 11 | | 3607 | 1758 | 1408 | 1817 |
| | 12 | | 2255 | 1320 | 270 | |
| 1983 | 1 | | 2971 | 2004 | 407 | |
| | 2 | | 619 | 771 | 167 | |
| | 3 | 1000 | 1590 | 717 | | |
| | 4 | | 2334 | 3362 | 0 | |
| | 5 | | 1672 | 1896 | | |
| | 6 | | 2688 | 1789 | 769 | |
| | 7 | | 2249 | 1116 | 1129 | |
| | 8 | 982 | 2060 | 1366 | 1373 | |
| | 9 | | 362 | 189 | 748 | |
| | 10 | | 63 | 325 | 151 | |
| | 11 12 | | 884 388 | 907 250 | 154 | |
| 1004 | | | | 454 | | |
| 1984 | 1 2 | 1060 | 1393 1274 | 0 | | |
| | 3 | 458 | 297 | 167 | | |
| | 4 | 430 | 577 | 107 | | |
| | 5 | | 311 | | | |
| | 6 | | 2000 | | | |
| | 7 | | 0 | 0 | | |
| | 8 | | 1819 | 2337 | | |
| | 9 | 100 | 298 | 363 | | 20 |
| | 10 | 44 | 206 | 66 | | |
| | 11 | | 182 | 424 | | |
| | 12 | | 200 | 471 | | |
| 1985 | 1 | 1400 | 569 | 36 | | |
| | 2 3 | | | | | |
| | 4 | 1333 | 1347 | 0 | | |
| | 5 | 0 | 682 | 517 | | |
| | 5 | · · | 720 | 448 | | |

TABLE 7b. (Continued). Catch-per-unit-effort (kg/hour trawled) at West Greenland by Greenland trawlers above 150 GRT, 1973–85 (calculated from Table 7a). "—" = no fishing. 0 = fishing but no catch reported.

| | | CPUE (Kg/hr) | | | | | | | | | |
|------|-------|--------------|------|------|----|----|--|--|--|--|--|
| Year | Month | 1F | 1E | 1D | 1C | 1B | | | | | |
| 1985 | 7 | | 277 | 514 | | | | | | | |
| | 8 | 0 | 776 | | | | | | | | |
| | 9 | | 337 | 0 | | | | | | | |
| | 10 | 0 | 0 | 0 | | | | | | | |
| | 11 | | | | | | | | | | |
| | 12 | | 1802 | 1000 | | | | | | | |

TABLE 8a. Annual nominal catches of cod at West Greenland by non-Greenlandic vessels above 150 GRT by NAFO Division and month, 1952–95 (1992–95 no catch).

| Year | Month | Div. 1F | 1E | 1D | 1C | 1B | 1A | 1NK | Total |
|------|---------------|--------------|--------------|----------------|---------------|----------------|--------------|----------------|-----------------|
| 1952 | 1 | | | | | | | | 0 |
| | 2 | 245 | | 242 | | | | | 487 |
| | 3 | | | | | | | | 0 |
| | 4 | | | | | | | | 0 |
| | 5 | | 502 | 1256 | 672 | | | 9627 | 12057 |
| | 6 | | | 4621 | 193 | | | 29209 | 34023 |
| | 7 | 212 | | 3568 | | 261 | | 41849 | 45890 |
| | 8 | 1077 | | 1682 | 215 | | | 53109 | 56083 |
| | 9 | 7971 | | 2055 | 1916 | | | 18107 | 30049 |
| | 10 | 16057 | 205 | 1968 | | | | 5660 | 23685 |
| | 11 | 6801 | 205 | 2350 | | | | | 9356 |
| | 12 | 5542 | | 446 | | | | 00027 | 5988 |
| | NK | | | | | | | 99927 | 99927 |
| | Total | 37905 | 707 | 18188 | 2996 | 261 | 0 | 257488 | 317545 |
| 1953 | 1 | 7490 | | 356 | | | | 1507 | 9353 |
| | 2 | 362 | | 2600 | | | | 183 | 3145 |
| | 3 | | | | | | | | 0 |
| | 4 | 166 | | 1153 | 234 | _ | | | 1553 |
| | 5 | 120 | | 4403 | 3881 | 5 | | | 8409 |
| | 6 | 386 | 207 | 16183 | 4867 | 923 | 247 | 330 | 23143 |
| | 7 | 1127 | 191 | 8762 | 941 | 14633 | 1195 | 344 | 27193 |
| | 8 | 5134 | 194 | 1289 | 142 | 29534 | 1101 | 301 | 37695 |
| | 9 | 6198 | | 620 | 237 | 1451 | 1892 | 23 | 10421 |
| | 10 | 1511 | 2.10 | 1460 | 200 | | 111 | | 3082 |
| | 11 | 1553 | 340 | 2089 | 309 | | | | 4291 |
| | 12 | 1195 | | | | | | 05527 | 1195 |
| | NK Total | 25242 | 932 | 38915 | 10611 | 46546 | 4546 | 95537 98225 | 95537 225017 |
| | | | | | | | | | |
| 1954 | 1 | 316 | | | | | | | 316 |
| | 2 | | | | | | | | 0 |
| | 3 | | | _ | 0.7 | | | | 0 |
| | 4 | | 2.1 | 7 | 87 | | | 1155 | 94 |
| | 5 | | 31 | 16651 | 3762 | 266 | | 1175 | 21619 |
| | 6 | | 202 | 57688 | 8301 | 266 | | 1513 | 67970 |
| | 7 8 | 1705 | 130 | 8673 | 4061 | 36481 | 1/01 | 486 | 49837 |
| | 8 9 | 1705 | 150 | 4420 | 872 | 30966 | 1681 1119 | 1219 | 41013 |
| | 10 | 4221 3571 | 205 9 | 1828 2270 | 649 285 | 15759 13459 | 1119 | 136 223 | 23917 19828 |
| | 11 | 2598 | 9 | 18 | | | 11 | | 3330 |
| | 12 | 1990 | | 10 | 175 | 375 | | 164 231 | 2221 |
| | NK | | | | | | | | |
| | Total | 943 15350 | 727 | 91555 | 18192 | 97306 | 2811 | 55032 60179 | 55975 286120 |
| | | | 121 | | 10172 | | 2011 | | 200120 |
| 1955 | 1 | | | 164 | | | | | 164 |
| | 2 | | | 317 | | | | | 317 |
| | 3 | | 2 | 316 | 50 | | | | 316 |
| | 4 | • | 2025 | 26052 | 53 5352 | | | 2.4 | 55 34269 |
| | 5 6 | 6 159 | 2035 1500 | 26852 45559 | 5352 16871 | 1187 | | 24 2973 | 68249 |
| | 7 | 139 | 1300 | 5322 | 4411 | 17272 | 122 | 2973 1897 | 29030 |
| | / | | O | 3322 | 4411 | 1/2/2 | 122 | 109/ | 29030 |

TABLE 8a. (Continued). Annual nominal catches of cod at West Greenland by non-Greenlandic vessels above 150 GRT by NAFO Division and month, 1952–95 (1992–95 no catch).

| 9 1537 202 2925 905 12068 383 1302 19322 10 1056 2 42 29 2885 32 694 4740 11 449 579 746 392 576 NK 59240 59240 Total 4655 3753 87327 32829 50106 773 68488 247931 1956 1 12 12 12 12 12 12 12 12 12 12 12 13 3333 328 4 5611 16317 979 146 1492 1492 1492 1492 1492 1492 1492 1492 | Year | Month | Div. 1F | 1E | 1D | 1C | 1B | 1A | 1NK | Total |
|--|------|-------|---------|-------|--------|-------|-----------|-----|-------|--------|
| 10 | 1955 | | | | | | | | | |
| 11 | | | | | | | | | | |
| 12 | | | | 2 | | | | 32 | 694 | |
| NK | | | | | | | 392 | | | |
| Total | | | 561 | | 186 | 15 | | | 50040 | |
| 1956 1 1 2 2 328 3 328 4 5 187 31 328 5 413 6662 28958 5977 103 8765 50878 6 801 1963 66745 24563 237 175 94484 7 9 9 4 16808 4636 14215 7 21 35700 8 1203 11328 1419 23039 8 6 37003 9 596 35 1676 815 10079 7 7 13208 10 829 57 2030 916 8061 20 11913 111 738 511 71 277 1597 12 | | | | | | | | | | |
| 1 | | Total | 4655 | 3753 | 87327 | 32829 | 50106 | 773 | 68488 | 247931 |
| 3 328 | 1956 | 1 | | | 12 | | | | | 12 |
| 1 | | | | | | | | | | |
| 5 413 6662 28958 5977 103 8765 50878 6 801 1963 66745 24563 237 175 94484 7 9 4 16808 4636 14215 7 21 35700 8 1203 11328 1419 23039 8 6 37003 10 829 57 2030 916 8061 20 11913 11 738 511 71 277 1507 1 12 0 NK 57271 57271 57271 10 4 4922 8721 128255 38428 56011 15 66265 302617 1957 1 0 57271 57271 57271 72721 0 0 1414 4 140 34 30 2026 33 2617 203 1414 210 13 4028 43374 4028 | | | | | | | | | | |
| 6 801 1963 66745 24563 237 175 94484 7 9 4 16808 4636 14215 7 21 35700 8 1203 11328 1419 23039 8 6 6 37003 9 596 35 1676 815 10079 7 13208 10 829 57 2030 916 8061 20 11913 111 738 511 71 277 1597 12 0 | | | | | | | | | | |
| 7 9 4 16808 4636 14215 7 21 35700 8 1203 11328 1419 23039 8 6 37003 9 596 35 1676 815 10079 7 7 13208 10 829 57 2030 916 8061 20 11913 11 738 511 71 277 1597 12 | | | | | | | | | | |
| R | | | | | | | | | | |
| 9 596 35 1676 815 10079 7 13208 10 829 57 2030 916 8061 20 11913 11 738 511 71 277 | | | | 4 | | | | | | |
| 10 829 57 2030 916 8061 20 11913 11 738 511 71 277 57271 12 0 NK 57271 57271 Total 4922 8721 128255 38428 56011 15 66265 302617 1957 1 2 0 3 141 4 140 34 30 20 0 5 1946 22706 12471 2210 13 4028 43374 6 5634 4893 25937 20596 2638 3957 63655 7 10 1269 6072 1584 20668 9003 38606 8 418 29 5247 6030 20225 5100 37049 9 1972 91 8311 1382 8492 3158 23406 10 1500 71 3883 768 6539 2784 15545 11 1263 155 24 4835 6277 12 3293 NK 14492 14492 Total 16317 29093 62106 32594 58575 0 47357 246042 1958 1 5068 5068 5068 5068 5068 5068 5068 5068 | | | | | | | | 8 | | |
| 11 738 511 71 277 1597 12 | | | | | | | | | | |
| 12 NK Total 4922 8721 128255 38428 56011 15 66265 302617 1957 1 2 3 141 4 140 34 30 5 1946 22706 12471 2210 13 4028 43374 6 5634 4893 25937 20596 2638 3957 63655 7 10 1269 6072 1584 20668 9003 38606 8 418 29 5247 6030 20225 5100 37049 9 1972 91 8311 1382 8492 3158 23406 10 1500 71 3883 768 6539 2784 15545 11 1263 155 24 4835 6277 12 3293 NK Total 16317 29093 62106 32594 58575 0 47357 246042 1958 1 5068 2 2221 181 271 2673 3 683 4 2180 109 292 98 2679 5 7591 10624 11416 13100 3 2880 45614 6 1305 9831 32720 20960 967 5742 71525 7 1006 266 15794 1149 13834 13753 42802 8 1062 223 5090 3242 24447 110 11633 45807 9 814 166 5254 1904 9103 57 10642 27940 10 978 405 1637 719 7272 1 1749 12761 11 1413 5293 6706 10 978 405 1637 719 7272 1 1749 12761 11 1413 5293 6706 | | | | 57 | | | | | 20 | |
| NK Total 4922 8721 128255 38428 56011 15 66265 302617 1957 1 2 | | | 738 | | 511 | 71 | 277 | | | 1597 |
| Total 4922 8721 128255 38428 56011 15 66265 302617 1957 1 | | | | | | | | | | |
| 1957 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | | NK | | | | | | | 57271 | 57271 |
| 2 | | Total | 4922 | 8721 | 128255 | 38428 | 56011 | 15 | 66265 | 302617 |
| 141 | 1957 | 1 | | | | | | | | 0 |
| 4 | | 2 | | | | | | | | 0 |
| 5 1946 22706 12471 2210 13 4028 43374 6 5634 4893 25937 20596 2638 3957 63655 7 10 1269 6072 1584 20668 9003 38606 8 418 29 5247 6030 20225 5100 37049 9 1972 91 8311 1382 8492 3158 23406 10 1500 71 3883 768 6539 2784 15545 11 1263 155 24 4835 6277 12 3293 3293 3293 3293 NK 14492 14492 14492 1958 1 5068 2 2221 181 271 2673 3 683 3 683 4 2180 109 292 98 2679 5 7591 10624 11416 | | 3 | 141 | | | | | | | 141 |
| 6 5634 4893 25937 20596 2638 3957 63655 7 10 1269 6072 1584 20668 9003 38606 8 418 29 5247 6030 20225 5100 37049 9 1972 91 8311 1382 8492 3158 23406 10 1500 71 3883 768 6539 2784 15545 11 1263 155 24 4835 6277 12 3293 NK Total 16317 29093 62106 32594 58575 0 47357 246042 Total 16317 29093 62106 32594 58575 0 47357 246042 1958 1 5068 2 2221 181 271 2673 3 683 4 2180 109 292 98 2679 5 7591 10624 11416 13100 3 2880 45614 6 1305 9831 32720 20960 967 5742 71525 7 1006 266 15794 1149 13834 10753 42802 8 1062 223 5090 3242 24447 110 11633 45807 9 814 166 5254 1904 9103 57 10642 27940 10 978 405 1637 719 7272 1 1749 12761 11 1413 5293 6706 12 3127 NK | | 4 | 140 | 34 | 30 | | | | | 204 |
| 7 10 1269 6072 1584 20668 9003 38606 8 418 29 5247 6030 20225 5100 37049 9 1972 91 8311 1382 8492 3158 23406 10 1500 71 3883 768 6539 2784 15545 11 1263 155 24 4835 6277 12 3293 | | 5 | 1946 | 22706 | 12471 | 2210 | 13 | | 4028 | 43374 |
| 8 418 29 5247 6030 20225 5100 37049 9 1972 91 8311 1382 8492 3158 23406 10 1500 71 3883 768 6539 2784 15545 11 1263 155 24 4835 6277 12 3293 3293 3293 NK 14492 14492 Total 16317 29093 62106 32594 58575 0 47357 246042 1958 1 5068 2 2221 181 271 2673 3 683 3 271 2673 4 2180 109 292 98 2679 5 7591 10624 11416 13100 3 2880 45614 6 1305 9831 32720 20960 967 5742 71525 7 1006 266 15794 1149 13834 10753 42802 8 1062 | | 6 | 5634 | 4893 | 25937 | 20596 | 2638 | | 3957 | 63655 |
| 9 1972 91 8311 1382 8492 3158 23406 10 1500 71 3883 768 6539 2784 15545 11 1263 155 24 4835 6277 12 3293 | | 7 | 10 | 1269 | 6072 | 1584 | 20668 | | 9003 | 38606 |
| 10 | | 8 | 418 | 29 | 5247 | 6030 | 20225 | | 5100 | 37049 |
| 11 | | 9 | 1972 | 91 | 8311 | 1382 | 8492 | | 3158 | 23406 |
| 12 3293 NK Total 16317 29093 62106 32594 58575 0 47357 246042 1958 1 5068 2 2221 181 2673 3 683 4 2180 109 292 98 2679 5 7591 10624 11416 13100 3 2880 45614 6 1305 9831 32720 20960 967 5742 71525 7 1006 266 15794 1149 13834 10753 42802 8 1062 223 5090 3242 24447 110 11633 45807 9 814 166 5254 1904 9103 57 10642 27940 10 978 405 1637 719 7272 1 1749 12761 11 1413 5293 6706 12 3127 NK | | 10 | 1500 | 71 | 3883 | 768 | 6539 | | 2784 | 15545 |
| NK Total 16317 29093 62106 32594 58575 0 47357 246042 1958 1 5068 2 2221 181 271 2673 3 683 4 2180 109 292 98 2679 5 7591 10624 11416 13100 3 2880 45614 6 1305 9831 32720 20960 967 5742 71525 7 1006 266 15794 1149 13834 10753 42802 8 1062 223 5090 3242 24447 110 11633 45807 9 814 166 5254 1904 9103 57 10642 27940 10 978 405 1637 719 7272 1 1749 12761 11 1413 5293 6706 12 3127 NK | | 11 | 1263 | | 155 | 24 | | | 4835 | 6277 |
| Total 16317 29093 62106 32594 58575 0 47357 246042 1958 1 5068 2 2221 181 271 2673 3 683 4 2180 109 292 98 2679 5 7591 10624 11416 13100 3 2880 45614 6 1305 9831 32720 20960 967 5742 71525 7 1006 266 15794 1149 13834 10753 42802 8 1062 223 5090 3242 24447 110 11633 45807 9 814 166 5254 1904 9103 57 10642 27940 10 978 405 1637 719 7272 1 1749 12761 11 1413 5293 6706 12 3127 NK | | 12 | 3293 | | | | | | | 3293 |
| 1958 | | NK | | | | | | | 14492 | 14492 |
| 2 2221 181 271 2673 3 683 683 683 4 2180 109 292 98 2679 5 7591 10624 11416 13100 3 2880 45614 6 1305 9831 32720 20960 967 5742 71525 7 1006 266 15794 1149 13834 10753 42802 8 1062 223 5090 3242 24447 110 11633 45807 9 814 166 5254 1904 9103 57 10642 27940 10 978 405 1637 719 7272 1 1749 12761 11 1413 5293 6706 12 3127 3127 3127 NK 26734 26734 26734 | | Total | 16317 | 29093 | 62106 | 32594 | 58575 | 0 | 47357 | 246042 |
| 3 683 683 4 2180 109 292 98 2679 5 7591 10624 11416 13100 3 2880 45614 6 1305 9831 32720 20960 967 5742 71525 7 1006 266 15794 1149 13834 10753 42802 8 1062 223 5090 3242 24447 110 11633 45807 9 814 166 5254 1904 9103 57 10642 27940 10 978 405 1637 719 7272 1 1749 12761 11 1413 5293 6706 12 3127 3127 3127 NK 26734 26734 26734 | 1958 | 1 | 5068 | | | | | | | 5068 |
| 3 683 683 4 2180 109 292 98 2679 5 7591 10624 11416 13100 3 2880 45614 6 1305 9831 32720 20960 967 5742 71525 7 1006 266 15794 1149 13834 10753 42802 8 1062 223 5090 3242 24447 110 11633 45807 9 814 166 5254 1904 9103 57 10642 27940 10 978 405 1637 719 7272 1 1749 12761 11 1413 5293 6706 12 3127 3127 3127 NK 26734 26734 26734 | | 2 | | | 181 | | | | 271 | 2673 |
| 4 2180 109 292 98 2679 5 7591 10624 11416 13100 3 2880 45614 6 1305 9831 32720 20960 967 5742 71525 7 1006 266 15794 1149 13834 10753 42802 8 1062 223 5090 3242 24447 110 11633 45807 9 814 166 5254 1904 9103 57 10642 27940 10 978 405 1637 719 7272 1 1749 12761 11 1413 5293 6706 12 3127 3127 3127 NK 26734 26734 26734 | | | | | | | | | | |
| 5 7591 10624 11416 13100 3 2880 45614 6 1305 9831 32720 20960 967 5742 71525 7 1006 266 15794 1149 13834 10753 42802 8 1062 223 5090 3242 24447 110 11633 45807 9 814 166 5254 1904 9103 57 10642 27940 10 978 405 1637 719 7272 1 1749 12761 11 1413 5293 6706 12 3127 3127 NK 26734 26734 | | | 2180 | 109 | | | | | 98 | |
| 6 1305 9831 32720 20960 967 5742 71525 7 1006 266 15794 1149 13834 10753 42802 8 1062 223 5090 3242 24447 110 11633 45807 9 814 166 5254 1904 9103 57 10642 27940 10 978 405 1637 719 7272 1 1749 12761 11 1413 5293 6706 12 3127 3127 NK 26734 26734 26734 | | | | | | 13100 | 3 | | | |
| 7 1006 266 15794 1149 13834 10753 42802 8 1062 223 5090 3242 24447 110 11633 45807 9 814 166 5254 1904 9103 57 10642 27940 10 978 405 1637 719 7272 1 1749 12761 11 1413 5293 6706 12 3127 3127 | | | | | | | | | | |
| 8 1062 223 5090 3242 24447 110 11633 45807 9 814 166 5254 1904 9103 57 10642 27940 10 978 405 1637 719 7272 1 1749 12761 11 1413 5293 6706 12 3127 3127 NK 26734 26734 | | | | | | | | | | |
| 9 814 166 5254 1904 9103 57 10642 27940 10 978 405 1637 719 7272 1 1749 12761 11 1413 5293 6706 12 3127 3127 NK 26734 26734 | | | | | | | | 110 | | |
| 10 978 405 1637 719 7272 1 1749 12761 11 1413 5293 6706 12 3127 3127 NK 26734 26734 | | | | | | | | | | |
| 11 1413 5293 6706 12 3127 3127 NK 26734 26734 | | | | | | | | | | |
| 12 3127 NK 26734 3127 | | | | 103 | 1037 | 117 | , 2, 1, 2 | 1 | | |
| NK 26734 26734 | | | | | | | | | 3273 | |
| | | | 3121 | | | | | | 26734 | |
| 10ta1 20703 21024 73007 41074 33020 108 73793 294119 | | | 26765 | 21624 | 73067 | 41074 | 55626 | 160 | | |
| | | 10181 | 20703 | Z10Z4 | /300/ | 410/4 | 33020 | 100 | 13173 | 47411Y |

TABLE 8a. (Continued). Annual nominal catches of cod at West Greenland by non-Greenlandic vessels above 150 GRT by NAFO Division and month, 1952–95 (1992–95 no catch).

| Year | Month | Div. 1F | 1E | 1D | 1C | 1B | 1A | 1NK | Total |
|----------|---------|--------------|--------------|----------------|--------------|---------------|-----|--------------|----------------|
| 1959 | 1 | 2077 | | 1172 | | | | | 3249 |
| | 2 | 1445 | | | | | | | 1445 |
| | 3 | | | 190 | | | | | 190 |
| | 4 | | 92 | 1606 | 49 | | | | 1747 |
| | 5 | 426 | 8109 | 5872 | 794 | 4118 | | 2897 | 22216 |
| | 6 | 988 | 3855 | 9511 | 2880 | 18429 | | 1558 | 37221 |
| | 7 | 752 | 34 | 6153 | 3091 | 14758 | 426 | 17009 | 42223 |
| | 8 | 9 | 25 | 2406 | 3292 | 15085 | 560 | 6598 | 27975 |
| | 9 10 | 130 672 | 47 25 | 1985 942 | 130 712 | 18343 3571 | | 9533 6073 | 30168 11995 |
| | 11 | 706 | 31 | 1 | 6 | 33/1 | | 787 | 1531 |
| | 12 | 964 | 342 | 416 | U | | | 767 | 1722 |
| | NK | 2840 | 342 | 410 | | | | 23143 | 25983 |
| | Total | 11009 | 12560 | 30254 | 10954 | 74304 | 986 | 67598 | 207665 |
| 1960 | 1 | 162 | 218 | 553 | 168 | | | | 1101 |
| 1700 | 2 | 157 | 210 | 174 | 100 | | | | 331 |
| | 3 | 137 | | 1/1 | | | | | 0 |
| | 4 | 1800 | 1485 | 1365 | 268 | | | | 4918 |
| | 5 | 2959 | 6237 | 2081 | 1043 | 1570 | | 1066 | 14956 |
| | 6 | 477 | 6342 | 15222 | 5372 | 3736 | | 9134 | 40283 |
| | 7 | 9 | 1685 | 9378 | 2738 | 18186 | | 11700 | 43696 |
| | 8 | 211 | | 3540 | 3126 | 21382 | 6 | 11995 | 40260 |
| | 9 | 821 | 112 | 2347 | 1898 | 11349 | 19 | 6683 | 23229 |
| | 10 | 784 | 317 | 445 | 3245 | 1926 | 10 | 8066 | 14793 |
| | 11 | 1797 | | 90 | | | | 6947 | 8834 |
| | 12 | 708 | | 720 | 627 | 499 | | 21 | 2575 |
| | NK | | | 24 | 8 | | | 20819 | 20851 |
| | Total | 9885 | 16396 | 35939 | 18493 | 58648 | 35 | 76431 | 215827 |
| 1961 | 1 | 891 | 526 | 3769 | 2089 | 253 | | | 7528 |
| | 2 | 1376 | 154 | | | | | | 1530 |
| | 3 | 1617 | 184 | 406 | 2304 | | | | 4511 |
| | 4 | 300 | 890 | 2218 | 8145 | 354 | | 125 | 11907 |
| | 5 | 2879 | 2574 | 4012 | 3904 | 4039 7584 | | 135 | 17543 |
| | 6 7 | 2065 2441 | 3820 3156 | 18088 20853 | 7189 4921 | 7384 17057 | 9 | 4916 8758 | 43662 57195 |
| | 8 | 502 | 2909 | 11797 | 7637 | 22498 | | 19363 | 64706 |
| | 9 | 394 | 534 | 6558 | 2730 | 15723 | 3 | 6602 | 32544 |
| | 10 | 521 | 941 | 817 | 1721 | 6797 | J | 6408 | 17205 |
| | 11 | 534 | 141 | 1905 | 656 | 1774 | 318 | 11944 | 17272 |
| | 12 | 1098 | 202 | 458 | 2055 | 1939 | 173 | | 5925 |
| | NK | | | | | | | 32098 | 32098 |
| | Total | 14618 | 16031 | 70881 | 43351 | 78018 | 503 | 90224 | 313626 |
| 1962 | 1 | 2190 | 731 | 1836 | 4653 | 3138 | | 1264 | 13812 |
| | 2 | 413 | 505 | 815 | 14212 | 1137 | | 751 | 17833 |
| | 3 | 1163 | 2293 | 3181 | 15304 | 207 | | 239 | 22387 |
| | 4 | 382 | 1938 | 1384 | 4204 | 1245 | | | 9153 |
| | 5 | 2782 | 2891 | 2897 | 1880 | 2873 | | 951 | 14274 |
| | 6 | 2033 | 4892 | 15535 | 4067 | 6162 | • | 20310 | 52999 |
| | 7 | 1333 | 6419 | 11652 | 6841 | 24915 | 9 | 13037 | 64206 |

TABLE 8a. (Continued). Annual nominal catches of cod at West Greenland by non-Greenlandic vessels above 150 GRT by NAFO Division and month, 1952–95 (1992–95 no catch).

| Year | Month | Div. 1F | 1E | 1D | 1C | 1B | 1A | 1NK | Total |
|------|-------------|---------|------------|-------|-------|--------|------|----------------|-----------------|
| 1962 | 8 | 1380 | 3136 | 7912 | 4785 | 36563 | 144 | 11126 | 65046 |
| | 9 | 535 | 394 | 3393 | 2353 | 19721 | 198 | 18008 | 44602 |
| | 10 | 1757 | 976 | 3632 | 3582 | 12082 | 666 | 8952 | 31647 |
| | 11 | 1387 | 579 | 5377 | 6787 | 6916 | | 8194 | 29240 |
| | 12 | 1934 | 582 | 358 | 6712 | 7429 | | 9858 | 26873 |
| | NK | | | | | | | 33206 | 33206 |
| | Total | 17289 | 25336 | 57972 | 75380 | 122388 | 1017 | 125896 | 425278 |
| 1963 | 1 | 1548 | 480 | 602 | 10026 | 5353 | | 864 | 18873 |
| | 2 | 884 | 459 | 2608 | 16679 | 47 | | 656 | 21333 |
| | 3 | 1007 | 6913 | 1274 | 12201 | | | | 21395 |
| | 4 | 831 | 5199 | 2810 | 5125 | 30 | | | 13995 |
| | 5 | 1731 | 6232 | 6796 | 3311 | 473 | | 1237 | 19780 |
| | 6 | 1413 | 16793 | 27915 | 4376 | 3691 | | 22439 | 76627 |
| | 7 | 3033 | 6694 | 13205 | 6762 | 14853 | | 10524 | 55071 |
| | 8 | 695 | 1868 | 8625 | 3887 | 19110 | | 6102 | 40287 |
| | 9 | 890 | 477 | 5313 | 1418 | 7975 | | 11768 | 27841 |
| | 10 | 1233 | 873 | 3747 | 2494 | 6129 | | 5187 | 19663 |
| | 11 | 1320 | 131 | 1899 | 2908 | 7438 | 66 | 9123 | 22885 |
| | 12 | 1105 | 251 | 1785 | 3955 | 5137 | | 9886 | 22119 |
| | NK | 750 | | | | | | 44867 | 45617 |
| | Total | 16440 | 46370 | 76579 | 73142 | 70236 | 66 | 122653 | 405486 |
| 1964 | 1 | 821 | 664 | 4500 | 12805 | 708 | | 6213 | 25711 |
| | 2 | 1019 | 2099 | 2438 | 5013 | 3076 | | 3723 | 17368 |
| | 3 | 876 | 4429 | 2799 | 3263 | | | 332 | 11699 |
| | 4 | 1214 | 3148 | 1309 | 586 | 133 | | | 6390 |
| | 5 | 1086 | 5133 | 15138 | 2082 | | | 359 | 23798 |
| | 6 | 2774 | 9982 | 26515 | 12346 | 5070 | 24 | 4465 | 61176 |
| | 7 | 3225 | 5318 | 22890 | 6636 | 7090 | 72 | | 45231 |
| | 8 | 875 | 776 | 2437 | 3176 | 12276 | | | 19540 |
| | 9 | 402 | 934 | 2846 | 791 | 8694 | | | 13667 |
| | 10 | 426 | 529 | 385 | 383 | 5873 | | | 7596 |
| | 11 | 422 | 25 250 | 229 | 622 | 3331 | | | 4629 |
| | 12 NW | 704 | 250 | 1450 | 1399 | 2798 | | 9.42.46 | 6601 |
| | NK Total | 13844 | 33287 | 82936 | 49102 | 49049 | 96 | 84346 99438 | 84346 327752 |
| | | | | | | | | | |
| 1965 | 1 | 265 | 59 | 2549 | 9689 | 5189 | | 1896 | 19647 |
| | 2 | 583 | 386 | 1956 | 5446 | 84 | | | 8455 |
| | 3 | 267 | 928 | 632 | 1384 | 164 | | | 3375 |
| | 4 | 1011 | 2295 | 1506 | 2609 | 1001 | | ••• | 7421 |
| | 5 | 2029 | 4284 | 19632 | 4393 | 1994 | | 228 | 32560 |
| | 6 | 2629 | 2039 | 18215 | 6434 | 4950 | | 6123 | 40390 |
| | 7 | 1192 | 2893 | 11206 | 5999 | 17250 | (2 | 14492 | 53032 |
| | 8 | 1451 | 488 | 5164 | 4871 | 19674 | 62 | 14384 | 46094 |
| | 9 | 1583 | 767 500 | 2979 | 1157 | 12353 | 222 | 2890 | 21729 25290 |
| | 10 | 1365 | 599 730 | 2389 | 2945 | 9408 | 323 | 8261 | |
| | 11 | 1809 | 730 | 1712 | 7933 | 6867 | | 9873 7310 | 28924 |
| | 12 NK | 818 | 126 | 3096 | 13957 | 2998 | | 7310 27173 | 28305 27173 |
| | Total | 15002 | 15594 | 71036 | 66817 | 80931 | 385 | 92630 | 342395 |
| | | | | | | | | | |

TABLE 8a. (Continued). Annual nominal catches of cod at West Greenland by non-Greenlandic vessels above 150 GRT by NAFO Division and month, 1952–95 (1992–95 no catch).

| Year | Month | Div. 1F | 1E | 1D | 1C | 1B | 1A | 1NK | Total |
|----------|-------|---------|-------|--------|-------|-------|-----|-------|--------|
| 1966 | 1 | 109 | 32 | 620 | 3166 | 97 | | | 4024 |
| | 2 | 247 | 380 | 2744 | 245 | | | | 3616 |
| | 3 | 938 | 193 | 2346 | 5994 | | | 1 | 9472 |
| | 4 | 333 | 833 | 5204 | 4953 | | 9 | 18 | 11350 |
| | 5 | 16 | 6191 | 10915 | 8652 | 7145 | 3 | 1113 | 34035 |
| | 6 | 311 | 7210 | 19361 | 10219 | 13329 | | 8506 | 58936 |
| | 7 | 1409 | 2016 | 10542 | 3376 | 21029 | | 17120 | 55492 |
| | 8 | 3965 | 836 | 5422 | 4255 | 28955 | | 9057 | 52490 |
| | 9 | 6930 | 840 | 3072 | 1069 | 14066 | | 4289 | 30266 |
| | 10 | 2278 | 233 | 797 | 422 | 7236 | | 3719 | 14685 |
| | 11 | 333 | 90 | 265 | 332 | 2237 | | 12236 | 15493 |
| | 12 | 1900 | 725 | 1306 | 874 | 5401 | | 8946 | 19152 |
| | NK | | | | | | | 30119 | 30119 |
| | Total | 18769 | 19579 | 62594 | 43557 | 99495 | 12 | 95124 | 339130 |
| 1967 | 1 | 445 | 176 | 5294 | 1350 | 500 | | | 7765 |
| | 2 | 453 | 288 | 9297 | 7274 | | | | 17312 |
| | 3 | 840 | 4556 | 7976 | 5639 | | | 1569 | 20580 |
| | 4 | 595 | 4732 | 7080 | 2584 | | | 1423 | 16414 |
| | 5 | 964 | 9533 | 26063 | 18143 | 3122 | 35 | 536 | 58396 |
| | 6 | 1760 | 7840 | 25169 | 14181 | 14615 | | 7933 | 71498 |
| | 7 | 1889 | 2302 | 19321 | 5888 | 15498 | | 13220 | 58118 |
| | 8 | 1350 | 740 | 10220 | 4251 | 14648 | | 12769 | 43978 |
| | 9 | 1800 | 1727 | 5774 | 1522 | 5760 | 326 | 4816 | 21725 |
| | 10 | 587 | 1837 | 2526 | 378 | 4052 | | 1862 | 11242 |
| | 11 | 722 | 252 | 591 | 2295 | 154 | | 10451 | 14465 |
| | 12 | 782 | 113 | 3207 | 14765 | 263 | | 11055 | 30185 |
| | NK | | | | | | | 30277 | 30277 |
| | Total | 12187 | 34096 | 122518 | 78270 | 58612 | 361 | 95911 | 401955 |
| 1968 | 1 | 483 | 598 | 4386 | 9394 | 17 | | | 14878 |
| | 2 | 1262 | 1058 | 3482 | 12694 | | | | 18496 |
| | 3 | 1417 | 283 | 6072 | 7732 | | | 2080 | 17584 |
| | 4 | 860 | 4542 | 9062 | 4677 | | | 1491 | 20632 |
| | 5 | 2970 | 13427 | 15614 | 24755 | 625 | | 441 | 57832 |
| | 6 | 1543 | 26156 | 24315 | 21361 | 684 | 842 | 7628 | 82529 |
| | 7 | 627 | 12882 | 14807 | 3229 | 1736 | | 12663 | 45944 |
| | 8 | 1769 | 979 | 5274 | 1624 | 4072 | 39 | 6561 | 20318 |
| | 9 | 2763 | 1141 | 6560 | 2096 | 4951 | | 2544 | 20055 |
| | 10 | 1055 | | 1118 | 3 | 165 | | 7491 | 9832 |
| | 11 | 803 | 486 | 2876 | 257 | 48 | | 814 | 5284 |
| | 12 | 810 | 31 | 1254 | 1814 | 35 | | 4093 | 8037 |
| | NK | | 8 | | | | | 51455 | 51463 |
| | Total | 16362 | 61591 | 94820 | 89636 | 12333 | 881 | 97261 | 372884 |
| 1969 | 1 | 443 | 368 | 2290 | 548 | | | | 3649 |
| | 2 | 1470 | 126 | 1666 | 1540 | | | 100 | 4902 |
| | 3 | 404 | 47 | 191 | 84 | | | 778 | 1504 |
| | 4 | 294 | 7858 | 8103 | 2215 | 51 | | | 18521 |
| | 5 | 1134 | 13516 | 20298 | 11357 | 6 | 170 | 1 | 46482 |
| | 6 | 1162 | 6802 | 7589 | 7485 | 124 | 207 | 928 | 24297 |
| | 7 | 3281 | 6404 | 8001 | 3320 | 195 | | 4358 | 25559 |

TABLE 8a. (Continued). Annual nominal catches of cod at West Greenland by non-Greenlandic vessels above 150 GRT by NAFO Division and month, 1952–95 (1992–95 no catch).

| Year | Month | Div. 1F | 1E | 1D | 1C | 1B | 1A | 1NK | Total |
|----------|-------------|--------------------|---------------------|----------------------|---------------|------------|-----|----------------|----------------|
| 1969 | 8 | 1193 | 5211 | 6348 | 3601 | 3191 | | 1930 | 21474 |
| | 9 | | 550 | 3304 | 571 | 2797 | 42 | 3045 | 10309 |
| | 10 | 111 | 450 | 4095 | 245 | 1088 | | 2960 | 8949 |
| | 11 | 891 | 280 | 2172 | 167 | 200 | | 1072 | 4782 |
| | 12 | 1124 | 36 | 688 | 7 | | 71 | 3172 | 5098 |
| | NK | | | 370 | | | | 15138 | 15508 |
| | Total | 11507 | 41648 | 65115 | 31140 | 7652 | 490 | 33482 | 191034 |
| 1970 | 1 | 141 | | | | | | | 141 |
| | 2 | 278 | 255 | 486 | 252 | | | | 1271 |
| | 3 | 1109 | 463 | 296 | | | | | 1868 |
| | 4 | 359 | 383 | 427 | 392 | | 168 | | 1729 |
| | 5 | 4785 | 6775 | 5075 | 6296 | 14 | | | 22945 |
| | 6 | 3550 | 3036 | 1440 | 2310 | | | | 10336 |
| | 7 | 805 | 6248 | 3549 | 195 | 231 | 110 | | 11138 |
| | 8 | 425 | 5205 | 3596 | 1185 | 1253 | | | 11664 |
| | 9 | 512 | 415 | 2750 | 753 | 897 | | | 5327 |
| | 10 | 385 | 174 | 3021 | 282 | 566 | | | 4428 |
| | 11 | 1586 | 216 | 2320 | 1571 | 758 | | | 6451 |
| | 12 | 1584 | 45 | 536 | 8 | | | 1.4007 | 2173 |
| | NK | | | | | | | 14026 | 14026 |
| | Total | 15519 | 23215 | 23496 | 13244 | 3719 | 278 | 14026 | 93497 |
| 1971 | 1 | 154 | 22 | 280 | | | | | 456 |
| | 2 | 2038 | 577 | 756 | 289 | | | | 3660 |
| | 3 | 226 | 381 | 203 | | | | | 810 |
| | 4 | 1500 | 2909 | 565 | 1702 | 2 | | | 6678 |
| | 5 | 976 | 1683 | 2559 | 9321 | 4 | | | 14543 |
| | 6 | 7011 | 1138 | 2654 | 3349 | | | | 14152 |
| | 7 | 4158 | 807 | 2196 | 833 | 187 | | | 8181 |
| | 8 | 1406 | 431 | 3568 | 3007 | 464 | | | 8876 |
| | 9 | 2120 | 328 | 2293 | 3200 | 309 | 39 | | 8289 |
| | 10 | 431 | 245 | 2850 | 1592 | 506 | | | 5624 |
| | 11 | 186 | 158 | 2456 | 3294 | 149 | | | 6243 |
| | 12 | 309 | 264 | 000 | 51 | | | 20460 | 624 |
| | NK Total | 20515 | 145 9088 | 808 | 2201 28839 | 1621 | 39 | 20460 20460 | 23614 |
| | Total | 20515 | 9088 | 21188 | 20039 | 1621 | | 20400 | 101750 |
| 1972 | 1 | 270 | 22 | 687 | 9721 | | | | 10700 |
| | 2 | 688 | 113 | 191 | 6938 | | | | 7930 |
| | 3 | 263 | 412 | 907 | 3047 | | | | 4629 |
| | 4 | 329 | 319 | 491 | 6918 | 16 | | | 8057 |
| | 5 | 1073 | 1606 | 2474 | 2006 | 16 | | | 7175 |
| | 6 | 236 | 638 | 578 | 374 | 412 | | | 1826 |
| | 7 | 23 | 87 1 | 3617 1652 | 2301 1714 | 412 | | | 6440 5389 |
| | 8 9 | 103 | 819 | 462 | 88 | 2022 78 | | | 1550 |
| | 10 | 5 | 98 | 1059 | 662 | 390 | | | 2214 |
| | | 43 | 126 | 3284 | 4018 | 115 | | | 7586 |
| | 11 | 73 | | | | 113 | | | |
| | 11 12 | 514 | 853 | 855 | /19 | | | | |
| | 12 | 514 849 | 853 1928 | 855 2442 | 219 4730 | | | 11331 | 2441 21280 |
| | | 514 849 4396 | 853 1928 7022 | 855 2442 18699 | 4730 42736 | 3033 | 0 | 11331 11331 | 21280 87217 |

TABLE 8a. (Continued). Annual nominal catches of cod at West Greenland by non-Greenlandic vessels above 150 GRT by NAFO Division and month, 1952–95 (1992–95 no catch).

| Year | Month | Div. 1F | 1E | 1D | 1C | 1B | 1A | 1NK | Total |
|------|-------------|-----------|--------------|---------------|--------------|-------------|-----|------|---------------|
| 1973 | 1 | 384 | 286 | 75 | 2455 | | | | 3200 |
| | 2 | 344 | 358 | 121 | 4738 | | | 57 | 5618 |
| | 3 | 497 | 660 | 722 | 1321 | | | 2 | 3202 |
| | 4 | 606 | 1128 | 118 | 78 | | | 28 | 1958 |
| | 5 | 223 | 773 | 1034 | 412 | 226 | | 105 | 2547 |
| | 6 | 30 120 | 991 | 3086 | 226 | 336 | | 189 | 4858 |
| | 7 8 | 69 | 251 41 | 1812 576 | 2144 1026 | 1608 245 | | 11 | 5935 1968 |
| | 9 | 5 | 134 | 509 | 448 | 49 | | 11 | 1145 |
| | 10 | 26 | 652 | 2101 | 789 | 5 | | 202 | 3775 |
| | 11 | 7 | 923 | 2486 | 2098 | 6 | | 273 | 5793 |
| | 12 | 61 | 11 | 184 | 220 | | | 253 | 729 |
| | NK | 14 | 2143 | 2189 | 153 | | | | 4499 |
| | Total | 2386 | 8351 | 15013 | 16108 | 2249 | 0 | 1120 | 45227 |
| 1974 | 1 | 129 | 45 | | 18 | | | | 192 |
| | 2 | 30 | 472 | 30 | 46 | | | | 578 |
| | 3 | | 346 | | 15 | | | | 361 |
| | 4 | | 362 | | 54 | | | | 416 |
| | 5 | 103 | 553 | 633 | 609 | | | | 1898 |
| | 6 | 3 | 931 | 2281 | 2741 | 92 | | | 6048 |
| | 7 | 11 | 167 | 2346 | 1190 | 743 | | | 4457 |
| | 8 | 227 | 265 | 735 | 38 | 52 | 2.6 | | 1317 |
| | 9 | 112 | 6 | 125 | 781 | 222 | 36 | | 1060 |
| | 10 | 4 11 | 41 61 | 2384 | 649 1257 | 222 319 | | | 3300 2886 |
| | 11 12 | 11 | 01 | 1238 135 | 514 | 2 | | | 651 |
| | NK | 164 | 1868 | 1777 | 1129 | 2 | | | 4938 |
| | Total | 794 | 5117 | 11684 | 9041 | 1430 | 36 | 0 | 28102 |
| 1975 | 1 | 181 | 83 | 1 | 13 | | | | 278 |
| 1773 | 2 | 248 | 190 | 67 | 30 | | | | 535 |
| | 3 | 417 | 491 | 193 | 4260 | | | | 5361 |
| | 4 | 603 | 735 | 282 | 674 | | | | 2294 |
| | 5 | 715 | 767 | 155 | 151 | | | | 1788 |
| | 6 | 340 | 488 | 1955 | 1110 | 14 | | | 3907 |
| | 7 | | 120 | 1091 | 439 | 6 | | | 1656 |
| | 8 | | 148 | 1046 | 664 | 4 | | | 1862 |
| | 9 | 38 | 36 | 777 | 240 | 1 | | | 1092 |
| | 10 | 31 | 234 | 973 | 146 | 4 | | | 1388 |
| | 11 | 79 | 101 | 673 | 676 | | | | 1529 |
| | 12 | 391 | 158 | 659 | 342 | | | | 1550 |
| | NK Total | 3043 | 2089 5640 | 3240 11112 | 24 8769 | 2 31 | 0 | 0 | 5355 28595 |
| | | | | | | | | | |
| 1976 | 1 | 595 | 278 | 218 | 332 | 6 | | | 1429 |
| | 2 | 341 | 35 | 96 70 | 46 | 5 | | | 523 |
| | 3 | 415 | 294 | 78 226 | 99 26 | 0 | | | 886 |
| | 4 | 391 | 369 | 336 | 26 | 9 | | | 1131 |
| | 5 | 1.2 | 121 | 50 | | | | | 505 |
| | 5 6 | 16 153 | 431 25 | 58 6 | | | | | 505 184 |

TABLE 8a. (Continued). Annual nominal catches of cod at West Greenland by non-Greenlandic vessels above 150 GRT by NAFO Division and month, 1952–95 (1992–95 no catch).

| Year | Month | Div. 1F | 1E | 1D | 1C | 1B | 1A | 1NK | Total |
|------|----------|----------|------|----------|------|-----|-----|-----|----------|
| 1976 | 8 | 7 | | 194 | 603 | 222 | | | 1026 |
| | 9 | 94 | | 2184 | 565 | 2 | | | 2845 |
| | 10 | 135 | 22 | 228 | 168 | | | | 553 |
| | 11 | 165 | 11 | 234 | 434 | 28 | | | 872 |
| | 12 | 501 | 1369 | 1092 | 35 | 170 | | | 2997 |
| | NK | 57 | 912 | 2312 | 9 | 170 | | | 3460 |
| | Total | 2873 | 3761 | 7507 | 2421 | 442 | 0 | 0 | 17004 |
| 1977 | 1 | 475 | 779 | 2406 | 1055 | | | | 4715 |
| | 2 | 340 | 426 | 1394 | 176 | | | | 2336 |
| | 3 | 375 | 349 | 925 | 208 | | | | 1857 |
| | 4 | 346 | 530 | | | | | | 876 |
| | 5 | 135 | 174 | 1400 | 6 | | | | 1715 |
| | 6 | 54 | 761 | 104 | 527 | 298 | 127 | | 1871 |
| | 7 | 43 | | | | 2 | | | 43 |
| | 8 | 11 | | | | 3 | | | 14 |
| | 9 | 10 | 2 | 22 | | | | | 10 |
| | 10 11 | 27 42 | 2 | 23 50 | | | | | 52 92 |
| | 12 | 24 | 26 | 123 | 22 | | | | 195 |
| | NK | 24 | 20 | 123 | 22 | | | | 193 |
| | | | | | | | | | |
| | Total | 1882 | 3047 | 6425 | 1994 | 301 | 127 | 0 | 13776 |
| 1978 | 1 | 214 | 69 | 24 | | | | | 307 |
| | 2 | 38 | 85 | 31 | 27 | | | | 181 |
| | 3 | 11 | 64 | 61 | 21 | | | | 157 |
| | 4 | 48 | 123 | 83 | _ | | | | 254 |
| | 5 | 26 | 94 | 23 | 5 | | | | 122 |
| | 6 | 26 | 12 | 2 | | | | | 40 |
| | 7 8 | | | | | | | | 0 |
| | 9 | | | | | | | | 0 |
| | 10 | | | | | | | | 0 |
| | 11 | | | | | | | | 0 |
| | 12 | | | | | | | | 0 |
| | NK | | | | | | | | 0 |
| | Total | 337 | 447 | 224 | 53 | 0 | 0 | 0 | 1061 |
| 1979 | 1 | 34 | 41 | 105 | 16 | | | | 196 |
| 1,,, | 2 | 17 | 41 | 75 | 35 | | | | 168 |
| | 3 | 6 | 2 | 24 | 15 | | | | 47 |
| | 4 | 88 | 93 | 9 | | | | | 190 |
| | 5 | 200 | 39 | 1 | | | | | 240 |
| | 6 | 135 | 22 | 7 | | | | | 164 |
| | 7 | 2 | 10 | 8 | | | | | 20 |
| | 8 | 9 | 3 | 1 | | | | | 13 |
| | 9 | | | | | | | | 0 |
| | 10 | 3 | 16 | 8 | | | | | 27 |
| | 11 | | 1 | 48 | 14 | | | | 63 |
| | 12 | 13 | 136 | 154 | 52 | • - | | | 355 |
| | NK | 6 | | 16 | | 16 | | | 38 |
| | Total | 513 | 404 | 456 | 132 | 16 | 0 | 0 | 1521 |

TABLE 8a. (Continued). Annual nominal catches of cod at West Greenland by non-Greenlandic vessels above 150 GRT by NAFO Division and month, 1952–95 (1992–95 no catch).

| Year | Month | Div. 1F | 1E | 1D | 1C | 1B | 1A | 1NK | Total |
|------|--------|-------------|------------|------|------|----|----|-----|-------------|
| 1980 | 1 | 52 | 223 | 54 | 196 | | | | 525 |
| | 2 | 64 | 50 | 10 | 9 | | | | 133 |
| | 3 | 3 | 2 | | | | | | 5 |
| | 4 | 4 | 2 | 1 | | | | | 3 |
| | 5 6 | 4 3 | | | | | | | 3 |
| | 7 | 30 | | | | | | | 30 |
| | 8 | 66 | 12 | | 19 | | | | 97 |
| | 9 | 47 | 4 | | 7 | | | | 58 |
| | 10 | 26 | 9 | | 8 | | | | 43 |
| | 11 | 39 | 22 | | | | | | 61 |
| | 12 | 24 | 10 | | 28 | | | | 62 |
| | NK | | | | | | | | 0 |
| | Total | 358 | 334 | 65 | 267 | 0 | 0 | 0 | 1024 |
| 1981 | 1 | 22 | 22 | | 22 | | | | 66 |
| | 2 | 1 | | | | | | | 1 |
| | 3 | 1 | | | | | | | 1 |
| | 4 | 4 | | | | | | | 4 |
| | 5 | | | | | | | | 0 |
| | 6 7 | | | | | | | | 0 |
| | 8 | | | | | | | | 0 |
| | 9 | | 10 | | | | | | 10 |
| | 10 | 20 | 46 | | 11 | | | | 77 |
| | 11 | 107 | 41 | | 2 | | | | 150 |
| | 12 | 64 | 8 | | | | | | 72 |
| | NK | 36 | | | | | | | 36 |
| | Total | 255 | 127 | 0 | 35 | 0 | 0 | 0 | 417 |
| 1982 | 1 | 11 | | | | | | | 11 |
| | 2 | 9 | | | | | | | 9 |
| | 3 | | | | | | | | 0 |
| | 4 | 8 | - | | | | | | 8 |
| | 5 6 | 13 2 | 5 | | | | | | 18 2 |
| | 7 | ۷ | | | | | | | 0 |
| | 8 | 3 | | | | | | | 3 |
| | 9 | 3 | 104 | 3 | | | | | 110 |
| | 10 | 126 | 284 | 1441 | 66 | | | | 1917 |
| | 11 | | 416 | 1791 | 2054 | | | | 4261 |
| | 12 | 506 | 955 | 339 | | | | | 1800 |
| | NK | | | | | | | | 0 |
| | Total | 681 | 1764 | 3574 | 2120 | 0 | 0 | 0 | 8139 |
| 1983 | 1 | 987 | 2084 | 181 | | | | | 3252 |
| | 2 | 574 | 637 | 8 | | | | | 1219 |
| | 3 | 345 | 53 | | | | | | 398 |
| | 4 | 72 | 200 | | | | | | 72 |
| | 5 6 | 1169 161 | 290 261 | 151 | 12 | | | | 1459 585 |
| | 7 | 3 | 44 | 45 | 1 4 | | | | 92 |
| | / | 3 | 77 | 73 | | | | | 92 |

TABLE 8a. (Continued). Annual nominal catches of cod at West Greenland by non-Greenlandic vessels above 150 GRT by NAFO Division and month, 1952–95 (1992–95 no catch).

| 9 38 57 16 10 1 1 274 2 27 11 2 113 757 87 112 1006 972 188 216 NK 67 434 532 141 117 Total 4516 5132 2248 155 0 0 0 0 1205 1984 1 234 64 6 33 38 378 320 8 111 4 1084 672 9 176 5 302 100 61 46 6 6 6 63 10 7 7 8 5 51 302 100 61 46 6 6 7 7 8 5 11 1986 135 226 8 111 1 1 19 86 135 226 8 85 10 1 1 4 11 19 86 135 226 8 85 10 1 1 4 87 NK Total 2898 3084 2977 0 0 0 0 0 895 1985 1 829 324 119 NK Total 2898 3084 2977 0 0 0 0 0 0 895 1985 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | Year | Month | Div. 1F | 1E | 1D | 1C | 1B | 1A | 1NK | Total |
|--|------|-------|---------|------|------|-----|----|----|-----|-------|
| 10 | 1983 | | | | | | | | | 373 |
| 11 | | | | | | _ | | | | 111 |
| 12 1006 972 188 2141 117 Total 4516 5132 2248 155 0 0 0 0 1205 1984 1 234 64 6 37 33 3789 320 8 1111 4 1084 672 9 176 66 63 10 77 8 5 302 100 61 46 6 63 10 77 8 8 51 360 1653 266 85 10 1 4 4 111 19 86 135 224 813 849 194 NK Total 2898 3084 2977 0 0 0 0 0 895 1985 1 829 324 115 15 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | | | | | 2 | | | | |
| NK 67 434 532 141 117 Total 4516 5132 2248 155 0 0 0 0 1205 1984 1 234 64 6 | | | | | | | | | | |
| Total 4516 5132 2248 155 0 0 0 0 1205 1984 | | | | | | 141 | | | | |
| 2 44 87 3 789 320 8 111 4 1084 672 9 176 5 302 100 61 46 6 6 63 10 7 7 8 51 360 1653 206 9 33 568 256 85 10 1 4 11 19 86 135 24 11 19 86 135 24 11 2 278 813 849 194 NK Total 2898 3084 2977 0 0 0 0 0 895 1985 1 829 324 115 2 727 3 239 20 25 4 3 3 5 6 7 1 1 8 8 1 1 1 9 1 1 1 1 1 1 1 1 1 1 1 1 | | | | | | | 0 | 0 | 0 | 12051 |
| 2 44 87 3 789 320 8 111 4 1084 672 9 176 5 302 100 61 46 6 6 63 10 7 7 8 5 51 360 1653 206 9 33 568 256 85 10 1 4 11 19 86 135 24 11 19 86 135 24 11 2 278 813 849 194 NK Total 2898 3084 2977 0 0 0 0 0 895 1985 1 829 324 115 2 727 3 239 20 25 4 3 3 5 6 7 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 1094 | 1 | 224 | | | | | | | 204 |
| 3 789 320 8 111 4 1084 672 9 176 5 302 100 61 46 6 63 10 7 7 8 51 360 1653 206 9 33 568 256 85 10 1 4 11 19 86 135 24 112 278 813 849 194 NK Total 2898 3084 2977 0 0 0 0 0 895 1985 1 829 324 115 2 727 7 3 239 20 25 4 3 3 5 6 7 1 1 1 1 1 17 1 1 1 1 17 1 1 1 1 1 17 1 1 1 1 1 17 1 1 1 1 1 1 | 1904 | | | | O | | | | | |
| 4 1084 672 9 176 466 6 6 6 3 10 | | | | | 8 | | | | | 1117 |
| 5 302 100 61 46 6 63 10 7 7 8 8 51 360 1653 206 9 33 568 256 85 10 1 4 11 19 86 135 24 112 278 813 849 194 NK Total 2898 3084 2977 0 0 0 0 0 895 1985 1 829 324 115 2 727 3 239 20 25 4 3 3 5 6 7 1 1 8 1 1 1 11 1 1 17 1 1 11 1 1 17 1 11 1 1 17 1 11 1 1 17 1 11 1 1 17 1 11 1 1 17 1 11 1 1 17 1 11 1 1 17 1 11 1 1 1 | | | | | | | | | | 1765 |
| 6 6 63 10 7 7 8 8 51 360 1653 206 9 33 568 256 85 10 1 4 4 111 19 86 135 24 NK Total 2898 3084 2977 0 0 0 0 0 0 895 1985 1 829 324 115 2 727 3 239 20 25 4 3 5 6 7 1 8 1 9 11 1 9 11 1 1 1 1 1 1 1 1 1 1 1 | | | | | | | | | | 463 |
| 8 | | | | | | | | | | 73 |
| 9 33 568 256 85 10 1 4 11 19 86 135 24 12 278 813 849 194 NK Total 2898 3084 2977 0 0 0 0 0 895 1985 1 829 324 115 2 727 7 3 239 20 25 4 3 3 5 6 7 1 1 8 9 1 1 10 3 1 1 11 1 1 7 1 12 13 39 3 NK Total 1816 403 6 0 0 0 0 0 222 1986 1 1 2 1 2 3 77 4 4 4 4 5 6 2 7 7 1 4 8 9 1 1 10 2 13 39 3 NK Total 1816 403 6 0 0 0 0 0 222 1986 1 1 2 1 2 3 7 8 9 1 1 10 2 1 12 3 9 1 1 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | | | | | | | | | 0 |
| 10 | | | | | | | | | | 2064 |
| 11 | | | | | 256 | | | | | 857 |
| 12 278 813 849 194 NK Total 2898 3084 2977 0 0 0 0 0 895 1985 1 829 324 115 2 727 3 239 20 25 4 3 5 6 7 1 1 8 1 1 9 1 1 10 3 1 1 11 1 1 17 1 12 13 39 3 NK Total 1816 403 6 0 0 0 0 0 222 1986 1 1 2 12 3 7 4 4 4 5 6 6 7 7 1 4 8 9 1 11 1 1 4 15 1 16 1 17 1 18 1 18 1 18 1 18 1 18 1 18 1 18 | | | | | 125 | | | | | 5 |
| NK Total 2898 3084 2977 0 0 0 0 0 895 1985 1 829 324 115 2 727 72 3 239 20 25 4 3 3 5 6 7 1 8 8 1 1 1 9 1 1 1 1 1 1 1 1 1 1 1 1 1 | | | | | | | | | | |
| Total 2898 3084 2977 0 0 0 0 0 895 1985 | | | 2/8 | 813 | 849 | | | | | 1940 |
| 1985 | | | | | | | | | | |
| 2 727 3 239 20 25 4 3 5 6 7 1 8 1 1 9 1 10 3 1 1 11 1 17 1 12 13 39 3 NK Total 1816 403 6 0 0 0 0 0 222 1986 1 1 2 12 3 3 7 4 4 4 5 6 7 7 1 4 8 9 1 10 5 11 4 8 9 1 10 5 11 1 10 5 11 1 10 5 11 1 11 1 1 11 1 1 | | Total | 2898 | 3084 | 2977 | 0 | 0 | 0 | 0 | 8959 |
| 3 239 20 25 4 3 3 5 6 7 1 1 8 1 1 9 1 10 3 1 1 11 1 17 1 11 2 13 39 3 NK Total 1816 403 6 0 0 0 0 0 222 1986 1 1 2 12 13 3 7 4 4 4 5 6 6 7 7 1 4 8 9 1 1 10 5 11 0 5 11 1 12 10 5 11 1 1 11 1 1 6 12 10 NK | 1985 | | | 324 | | | | | | 1153 |
| 4 3 5 6 7 1 8 1 1 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | | | • • | | | | | | 727 |
| 5 6 7 1 1 8 1 1 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | | | 20 | | | | | | |
| 6 7 8 1 1 8 1 1 1 9 10 3 1 11 11 11 11 11 11 12 13 39 3 5 NK Total 1816 403 6 0 0 0 0 0 222 1986 1 2 1 3 7 4 4 4 5 6 7 1 4 8 9 1 1 10 5 11 10 5 11 10 5 11 10 5 11 10 15 11 11 11 11 11 11 11 11 11 11 11 11 | | | 3 | | | | | | | 3 0 |
| 7 | | | | | | | | | | 0 |
| 8 | | | | | 1 | | | | | 1 |
| 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | | 1 | 1 | - | | | | | 2 |
| 10 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | | | | | | | | | 1 |
| 12 13 39 3 5 NK Total 1816 403 6 0 0 0 0 0 222 1986 1 1 2 12 1 12 1 1 1 1 1 1 1 1 1 1 1 1 | | 10 | | | 1 | | | | | 5 |
| NK Total 1816 403 6 0 0 0 0 0 222 1986 1 1 2 12 1 3 7 4 4 4 5 5 6 7 1 4 8 8 9 1 1 10 5 110 5 111 1 1 6 12 10 NK | | | | | | | | | | 19 |
| Total 1816 403 6 0 0 0 0 0 222 | | | 13 | 39 | 3 | | | | | 55 |
| 1986 | | NK | | | | | | | | 0 |
| 2 12 1 3 7 4 4 4 5 2 7 1 4 8 9 1 10 5 11 1 6 12 10 1 | | Total | 1816 | 403 | 6 | 0 | 0 | 0 | 0 | 2225 |
| 3 7 4 4 4 5 2 6 2 7 1 4 8 9 1 10 5 11 1 6 12 10 1 | 1986 | | 1 | | | | | | | 1 |
| 4 4 5 5 2 7 1 4 8 9 1 10 5 11 1 6 12 10 1 NK | | | | 12 | | | | | | 12 |
| 5 6 7 1 4 8 9 1 10 5 11 1 6 12 10 NK | | | | | | | | | | 7 |
| 6 2 7 1 4 8 9 1 10 5 11 1 6 12 10 1 NK | | | 4 | | | | | | | 4 |
| 7 1 4 8 9 1 10 5 11 1 6 12 10 1 NK | | | | | _ | | | | | 0 |
| 8 9 1 10 5 11 1 1 6 12 10 NK | | | 1 | 4 | 2 | | | | | 2 |
| 9 1 10 5 11 1 6 12 10 1 NK | | | 1 | 4 | | | | | | 5 |
| 10 5 11 1 6 12 10 1 NK | | | | 1 | | | | | | 1 |
| 11 1 6 12 10 1 NK | | | | | | | | | | 5 |
| 12 10 1 NK | | | 1 | | | | | | | 7 |
| NK | | | | Ü | | | | | | 10 |
| | | | | | | | | | | 0 |
| | | | 24 | 28 | 2 | 0 | 0 | 0 | 0 | 54 |
| | | | | | - | | | | | |

TABLE 8a. (Continued). Annual nominal catches of cod at West Greenland by non-Greenlandic vessels above 150 GRT by NAFO Division and month, 1952–95 (1992–95 no catch).

| Year | Month | Div. 1F | 1E | 1D | 1C | 1B | 1A | 1NK | Total |
|------|--------|----------|------------|------------|----|----|----|-----|-------------|
| 1987 | 1 | | | | | | | | (|
| | 2 | | | | | | | | C |
| | 3 | | | | | | | | 0 |
| | 4 | 1 | | | | | | | 1 |
| | 5 | | | 1 | | | | | 0 |
| | 6 7 | | | 1 | | | | | 1 0 |
| | 8 | 8 | 14 | 2 | | | | | 24 |
| | 9 | Ü | | 2 | | | | | 0 |
| | 10 | 9 | | | | | | | 9 |
| | 11 | | | | | | | | 0 |
| | 12 | 25 | 29 | | | | | | 54 |
| | NK | | | | | | | | 0 |
| | Total | 43 | 43 | 3 | 0 | 0 | 0 | 0 | 89 |
| 1988 | 1 | 1046 | 353 | | | | | | 1399 |
| | 2 | 231 | 434 | | | | | | 665 |
| | 3 | 9 | 319 | | | | | | 328 |
| | 4 | 31 | 402 | 59 | | | | | 492 |
| | 5 | | 235 | | | | | | 235 |
| | 6 | | | | | | | | 0 |
| | 7 | | 366 | 15 | | | | | 381 |
| | 8 9 | 1 3 | 235 575 | 327 772 | | | | | 563 |
| | 10 | 3 47 | 373 79 | 504 | 34 | | | | 1350 664 |
| | 11 | 86 | 7 | 211 | 34 | | | | 304 |
| | 12 | 488 | 319 | 330 | | | | | 1137 |
| | NK | 3000 | | | | | | | 3000 |
| | Total | 4942 | 3324 | 2218 | 34 | 0 | 0 | 0 | 10518 |
| 1989 | 1 | 1863 | 2862 | 687 | | | | | 5412 |
| | 2 | 1616 | 2314 | | | | | | 3930 |
| | 3 | 126 | 1211 | 16 | | | | | 1353 |
| | 4 | 1901 | 2077 | | | | | | 3978 |
| | 5 | | <0.0 | | | | | | 0 |
| | 6 | | 603 | 502 | | | | 1 | 604 |
| | 7 8 | 20 | 729 50 | 583 | | | | 1 | 1313 |
| | 9 | 30 | 30 | | | | | | 80 |
| | 10 | | | | | | | | 0 |
| | 11 | | | | | | | | 0 |
| | 12 | 2 | 2 | | | | | | 4 |
| | NK | 2741 | | | | | | | 2741 |
| | Total | 8279 | 9848 | 1286 | 0 | 0 | 0 | 2 | 19415 |
| 1990 | 1 | 1694 | 461 | | | | | | 2155 |
| | 2 | 430 | | | | | | | 430 |
| | 3 | 384 | 41 | | | | | | 425 |
| | 4 | 97 | 1730 | 75 | | | | | 1902 |
| | 5 | 63 | 836 | | 2 | | | | 901 |
| | 6 | | 441 | | | | | | 441 |

TABLE 8a. (Continued). Annual nominal catches of cod at West Greenland by non-Greenlandic vessels above 150 GRT by NAFO Division and month, 1952–95 (1992–95 no catch).

| Year | Month | Div. 1F | 1E | 1D | 1C | 1B | 1A | 1NK | Total |
|------|-------|---------|------|-----|----|----|----|-----|-------|
| 1990 | 7 | | 1264 | 226 | | | | | 1490 |
| | 8 | 1561 | 700 | | | | | | 2261 |
| | 9 | | | | | | | | 0 |
| | 10 | 4 | 2 | | | | | | 6 |
| | 11 | 40 | | | | | | | 40 |
| | 12 | 94 | | | | | | | 94 |
| | NK | | | | | | | | 0 |
| | Total | 4367 | 5475 | 301 | 2 | 0 | 0 | 0 | 10145 |
| 1991 | 1 | 95 | | | | | | | 95 |
| | 2 | | | | | | | | 0 |
| | 2 3 | | | | | | | | 0 |
| | 4 | | | | | | | | 0 |
| | 5 | | | | | | | | 0 |
| | 6 | | 1 | | | | | | 1 |
| | 7 | | 1 | | | | | | 1 |
| | 8 | | | | | | | | 0 |
| | 9 | | | | | | | | 0 |
| | 10 | | | | | | | | 0 |
| | 11 | | | | | | | | 0 |
| | 12 | | | | | | | | 0 |
| | NK | | | | | | | | 0 |
| | Total | 95 | 2 | 0 | 0 | 0 | 0 | 0 | 97 |

TABLE 8b. Annual nominal catches of cod at West Greenland by non-Greenlandic vessels above 150 GRT by NAFO Divisions and month, 1952–91 in per thousand of the annual total (see Table 8a).

| Year | Month | Div. 1F | 1E | 1D | 1C | 1B | 1A | 1NK | Total |
|------|-------|---------|----|----|----|----|----|-----|-------|
| 1952 | 1 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 2 | 1 | 0 | 1 | 0 | 0 | | 0 | 2 |
| | 3 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 4 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 5 | 0 | 2 | 4 | 2 | 0 | | 30 | 38 |
| | 6 | 0 | 0 | 15 | 1 | 0 | | 92 | 107 |
| | 7 | 1 | 0 | 11 | 0 | 1 | | 132 | 145 |
| | 8 | 3 | 0 | 5 | 1 | 0 | | 167 | 177 |
| | 9 | 25 | 0 | 6 | 6 | 0 | | 57 | 95 |
| | 10 | 51 | 0 | 6 | 0 | 0 | | 18 | 75 |
| | 11 | 21 | 1 | 7 | 0 | 0 | | 0 | 29 |
| | 12 | 17 | 0 | 1 | 0 | 0 | | 0 | 19 |
| | NK | 0 | 0 | 0 | 0 | 0 | | 315 | 315 |
| | Total | 119 | 2 | 57 | 9 | 1 | 0 | 811 | 1000 |
| 1953 | 1 | 33 | 0 | 2 | 0 | 0 | 0 | 7 | 42 |
| | 2 | 2 | 0 | 12 | 0 | 0 | 0 | 1 | 14 |
| | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 4 | 1 | 0 | 5 | 1 | 0 | 0 | 0 | 7 |
| | 5 | 1 | 0 | 20 | 17 | 0 | 0 | 0 | 37 |
| | 6 | 2 | 1 | 72 | 22 | 4 | 1 | 1 | 103 |

TABLE 8b. (Continued). Annual nominal catches of cod at West Greenland by non-Greenlandic vessels above 150 GRT by NAFO Divisions and month, 1952–91 in per thousand of the annual total (see Table 8a).

| 1953 | Total |
|--|----------|
| 9 28 0 3 1 6 8 0 0 1 1 6 8 0 0 1 1 1 7 0 0 6 0 0 0 0 0 0 0 0 1 1 1 7 2 2 9 1 1 0 0 0 0 0 0 0 1 1 2 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 121 |
| 10 | 168 |
| 11 | 46 |
| 12 | 14 |
| NK 0 0 0 0 0 0 0 0 425 Total 112 4 173 47 207 20 437 1954 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 19 5 |
| Total 112 4 173 47 207 20 437 1954 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 3 425 |
| 1954 | 1000 |
| 2 | |
| 3 | 1 |
| 4 | 0 |
| 5 0 0 58 13 0 0 4 6 6 0 1 202 29 1 0 5 7 7 0 0 0 30 14 128 0 2 2 8 8 6 1 15 3 108 6 4 9 15 1 6 2 55 4 0 1 11 19 0 1 11 19 0 1 1 11 19 0 1 1 11 19 0 1 1 11 19 0 1 1 1 1 | 0 |
| 6 0 1 202 29 1 0 5 7 0 0 0 30 14 128 0 2 8 6 1 15 1 6 2 55 4 0 10 12 0 8 1 47 0 1 11 9 0 0 0 1 1 0 0 1 12 7 0 0 0 0 0 0 1 11 9 0 0 0 1 1 0 0 1 12 7 0 0 0 0 0 0 1 14 12 7 0 0 1 15 1 0 0 0 0 0 0 0 0 1 16 12 7 0 0 0 0 0 0 0 0 1 17 10 12 7 0 0 0 0 0 0 0 0 0 18 10 12 12 7 0 0 0 0 0 0 0 0 0 0 192 14 0 0 0 0 0 0 0 0 0 195 1 0 0 0 1 0 0 0 0 0 0 195 1 0 0 0 1 0 0 0 0 0 0 195 1 0 0 0 1 0 0 0 0 0 0 195 1 0 0 0 1 0 0 0 0 0 0 195 1 0 0 0 1 0 0 0 0 0 0 195 1 0 0 0 1 0 0 0 0 0 0 195 1 0 0 0 1 0 0 0 0 0 0 0 195 1 0 0 0 0 0 0 0 0 0 0 0 195 1 0 0 0 1 0 0 0 0 0 0 0 195 1 0 0 0 1 0 0 0 0 0 0 0 0 195 1 0 0 0 0 0 0 0 0 0 0 0 0 195 1 0 0 0 0 0 0 0 0 0 0 0 195 1 0 0 0 0 0 0 0 0 0 0 0 0 195 1 0 0 0 0 0 0 0 0 0 0 0 0 195 1 0 0 0 0 0 0 0 0 0 0 0 0 195 1 0 0 0 0 0 0 0 0 0 0 0 0 0 195 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 195 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 195 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 195 1 0 0 0 0 0 0 0 0 0 0 0 0 195 1 1 0 0 0 0 0 0 0 0 0 0 0 0 195 1 1 0 0 0 0 0 0 0 0 0 0 0 0 195 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 195 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 0 76 |
| 7 0 0 0 30 14 128 0 2 8 6 1 15 3 108 6 4 9 15 1 6 2 55 4 0 10 12 0 8 1 47 0 1 11 9 0 0 0 1 1 0 0 1 12 7 0 0 0 0 0 0 1 11 9 0 0 0 0 1 1 0 0 1 12 7 0 0 0 0 0 0 0 1 15 1 0 0 0 1 17 10 12 0 0 0 0 0 0 0 0 0 18 10 12 0 0 0 0 0 0 0 0 0 192 10 10 10 10 10 10 10 10 10 10 10 10 10 | 238 |
| 8 | 174 |
| 9 15 1 6 2 55 4 0 10 12 0 8 1 47 0 1 11 9 0 0 0 1 1 0 0 1 12 7 0 0 0 0 0 0 1 1 NK 3 0 0 0 0 0 0 0 192 Total 54 3 320 64 340 10 210 | 143 |
| 10 | 84 |
| 11 9 0 0 0 1 1 0 0 1 NK 3 0 0 0 0 0 0 0 1 NK 3 0 0 0 0 0 0 0 1 Total 54 3 320 64 340 10 210 1955 1 0 0 0 1 0 0 0 0 0 0 2 0 0 0 0 0 0 0 0 3 0 0 0 0 0 0 0 0 0 4 0 0 0 0 0 0 0 0 0 5 0 8 108 22 0 0 0 0 6 1 6 1 6 184 68 5 0 12 7 0 0 0 21 18 70 0 8 8 4 0 20 18 70 0 8 8 4 0 20 18 66 1 10 9 6 1 12 4 49 2 5 10 4 0 0 0 0 12 0 3 11 2 0 3 11 2 0 2 3 2 0 0 NK 0 0 0 0 0 0 0 0 0 239 Total 19 15 352 132 202 3 276 | 69 |
| 12 | 12 |
| Total 54 3 320 64 340 10 210 1955 1 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 8 |
| 1955 | 196 |
| 2 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 1000 |
| 2 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 1 |
| 4 0 | 1 |
| 5 0 8 108 22 0 0 0 0 6 1 6 1 6 184 68 5 0 12 7 0 0 0 21 18 70 0 8 8 8 4 0 20 18 66 1 10 9 6 1 12 4 49 2 5 10 4 0 0 0 0 12 0 3 11 2 0 3 3 2 0 0 12 2 3 2 0 0 14 0 0 0 0 0 0 0 239 Total 19 15 352 132 202 3 276 1956 1 0 0 0 0 0 0 0 0 2 0 0 0 0 3 1 0 0 0 0 0 0 3 1 0 0 0 0 0 0 4 0 0 0 1 0 0 5 1 22 96 20 0 0 5 1 22 96 20 0 29 6 3 6 221 81 1 | 1 |
| 6 1 6 184 68 5 0 12 7 0 0 0 21 18 70 0 8 8 4 0 20 18 66 1 10 9 6 1 12 4 49 2 5 10 4 0 0 0 12 0 3 11 2 0 3 11 2 0 0 3 11 2 0 0 0 12 0 0 0 0 0 0 0 12 0 0 0 NK 0 0 0 0 0 0 0 0 0 0 NK 0 0 0 0 0 0 0 0 0 0 NK 0 0 0 0 0 0 0 0 0 0 195 1 0 0 0 0 0 0 0 0 3 1 0 0 0 0 0 0 4 0 0 0 1 0 0 0 5 1 22 96 20 0 0 29 6 3 6 221 81 1 | 0 |
| 7 0 0 21 18 70 0 8 8 4 0 20 18 66 1 10 9 6 1 12 4 49 2 5 10 4 0 0 0 0 12 0 3 11 2 0 3 11 2 0 0 0 12 0 0 0 12 0 0 0 12 0 0 0 12 0 0 0 12 0 0 0 12 0 0 0 12 0 0 0 12 0 0 0 12 0 0 0 12 0 0 0 12 0 0 0 12 0 0 0 0 12 0 0 0 0 0 0 0 12 0 0 0 0 0 0 0 12 0 0 0 0 0 0 0 0 15 1 0 0 0 0 0 0 0 0 15 1 0 0 0 0 0 0 0 0 15 1 0 0 0 0 0 0 0 15 1 0 0 0 0 0 0 0 16 1 0 0 0 0 0 0 0 17 1 0 0 0 0 0 0 18 1 0 0 0 0 0 0 0 195 1 0 0 0 0 0 0 0 195 1 0 0 0 0 0 0 0 195 1 0 0 0 0 0 0 0 195 1 0 0 0 0 0 0 0 195 1 0 0 0 0 0 0 0 0 195 1 0 0 0 0 0 0 0 0 195 1 1 22 96 20 0 0 29 195 1 1 1 1 1 1 | 138 |
| 8 | 275 |
| 9 6 1 12 4 49 2 5 10 4 0 0 0 12 0 3 11 2 0 2 3 2 0 0 12 2 0 0 0 12 2 0 0 0 12 2 0 0 0 12 2 0 0 0 12 2 0 0 0 14 0 0 0 0 0 0 0 0 Total 19 15 352 132 202 3 276 | 117 |
| 10 | 118 |
| 11 2 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 78 |
| 12 2 0 1 0 0 0 0 0 0 239 Total 19 15 352 132 202 3 276 1956 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 19 9 |
| NK 0 0 0 0 0 0 0 239 Total 19 15 352 132 202 3 276 1956 1 0 0 0 0 0 0 0 0 2 0 0 0 0 0 0 3 1 0 0 0 0 0 0 4 0 0 1 0 0 0 5 1 22 96 20 0 29 6 3 6 221 81 1 | 3 |
| Total 19 15 352 132 202 3 276 1956 1 0 0 0 0 0 0 0 0 2 0 0 0 0 0 0 3 1 0 0 0 0 0 0 4 0 0 1 0 0 0 5 1 22 96 20 0 29 6 3 6 221 81 1 | 239 |
| 2 0 0 0 0 0 3 1 0 0 0 0 4 0 0 1 0 0 0 5 1 22 96 20 0 29 6 3 6 221 81 1 1 | 1000 |
| 2 0 0 0 0 0 3 1 0 0 0 0 4 0 0 1 0 0 0 5 1 22 96 20 0 29 6 3 6 221 81 1 1 | 0 |
| 3 1 0 0 0 0 0 4 0 0 1 0 0 0 5 1 22 96 20 0 29 6 3 6 221 81 1 1 | 0 |
| 4 0 0 1 0 0 0 5 1 22 96 20 0 29 6 3 6 221 81 1 | 1 |
| 5 1 22 96 20 0 29 6 3 6 221 81 1 | 1 |
| 6 3 6 221 81 1 | 168 |
| | 312 |
| 7 0 0 56 15 47 0 | 118 |
| 8 4 0 37 5 76 0 | 122 |
| 9 2 0 6 3 33 0 | 44 |
| 10 3 0 7 3 27 0 | 39 |
| 11 2 0 2 0 1 0 | 5 |
| 12 0 0 0 0 0 0 | 0 |
| NK 0 0 0 0 0 189 | 189 |
| Total 16 29 424 127 185 0 219 | 1000 |

TABLE 8b. (Continued). Annual nominal catches of cod at West Greenland by non-Greenlandic vessels above 150 GRT by NAFO Divisions and month, 1952–91 in per thousand of the annual total (see Table 8a).

| 1957 | 1 2 3 | 0 | 0 | _ | | | | | |
|------|-------------|---------|---------|---------|----------|----------|--------|----------|------------|
| | | ^ | | 0 | 0 | 0 | | 0 | 0 |
| | 3 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | | 1 | 0 | 0 | 0 | 0 | | 0 | l |
| | 4 | 1 8 | 0 92 | 0 51 | 0 9 | 0 | | 0 | 176 |
| | 5 6 | 23 | 20 | 105 | 84 | 11 | | 16 16 | 176 259 |
| | 7 | 0 | 5 | 25 | 6 | 84 | | 37 | 157 |
| | 8 | 2 | 0 | 21 | 25 | 82 | | 21 | 151 |
| | 9 | 8 | 0 | 34 | 6 | 35 | | 13 | 95 |
| | 10 | 6 | 0 | 16 | 3 | 27 | | 11 | 63 |
| | 11 | 5 | 0 | 1 | 0 | 0 | | 20 | 26 |
| | 12 | 13 | 0 | 0 | 0 | 0 | | 0 | 13 |
| | NK | 0 | 0 | 0 | 0 | 0 | | 59 | 59 |
| | Total | 66 | 118 | 252 | 132 | 238 | 0 | 192 | 1000 |
| 1958 | 1 | 17 | 0 | 0 | 0 | 0 | | 0 | 17 |
| | 2 | 8 | 0 | 1 | 0 | 0 | | 1 | 9 |
| | 3 | 0 | 0 | 2 | 0 | 0 | | 0 | 2 |
| | 4 | 7 | 0 | 1 | 0 | 0 | | 0 | 9 |
| | 5 | 26 | 36 | 39 | 45 | 0 | | 10 | 155 |
| | 6 | 4 | 33 | 111 | 71 | 3 | | 20 | 243 |
| | 7 | 3 | 1 | 54 | 4 | 47 | | 37 | 146 |
| | 8 9 | 4 | 1 | 17 | 11 | 83 | | 40 | 156 95 |
| | 9 10 | 3 3 | 1 1 | 18 6 | 6 2 | 31 25 | | 36 6 | 43 |
| | 11 | 5 | 0 | 0 | 0 | 0 | | 18 | 23 |
| | 12 | 11 | 0 | 0 | 0 | 0 | | 0 | 11 |
| | NK | 0 | 0 | 0 | 0 | 0 | | 91 | 91 |
| | Total | 91 | 74 | 248 | 140 | 189 | 1 | 258 | 1000 |
| 1959 | 1 | 10 | 0 | 6 | 0 | 0 | 0 | 0 | 16 |
| | 2 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| | 3 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| | 4 | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 8 |
| | 5 | 2 | 39 | 28 | 4 | 20 | 0 | 14 | 107 |
| | 6 | 5 | 19 | 46 | 14 | 89 | 0 | 8 | 179 |
| | 7 | 4 | 0 | 30 | 15 | 71 | 2 | 82 | 203 |
| | 8 | 0 | 0 | 12 | 16 | 73 | 3 | 32 | 135 |
| | 9 | 1 | 0 | 10 | 1 | 88 | 0 | 46 | 145 |
| | 10 | 3 | 0 | 5 | 3 | 17 | 0 | 29 | 58 |
| | 11 | 3 5 | 0 2 | 0 2 | 0 | 0 | 0 | 4 | 7 8 |
| | 12 NK | 5 14 | 0 | 0 | $0 \\ 0$ | 0 0 | 0 0 | 0 111 | 8 125 |
| | Total | 53 | 60 | | 53 | 358 | 5 | 326 | 1000 |
| 1960 | 1 | 1 | 1 | 3 | 1 | 0 | | 0 | 5 |
| | 2 | 1 | 0 | 1 | 0 | 0 | | 0 | 5 2 |
| | 3 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 4 | 8 | 7 | 6 | 1 | 0 | | 0 | 23 |
| | 5 | 14 | 29 | 10 | 5 | 7 | | 5 | 69 |
| | 6 | 2 | 29 | 71 | 25 | 17 | | 42 | 187 |
| | 7 | 0 | 8 | 43 | 13 | 84 | | 54 | 202 |

TABLE 8b. (Continued). Annual nominal catches of cod at West Greenland by non-Greenlandic vessels above 150 GRT by NAFO Divisions and month, 1952–91 in per thousand of the annual total (see Table 8a).

| Year | Month | Div. 1F | 1E | 1D | 1C | 1B | 1A | 1NK | Total |
|----------|-------------|---------|--------|--------|----------|---------|----|---------|----------|
| 1960 | 8 | 1 | 0 | 16 | 14 | 99 | | 56 | 187 |
| | 9 | 4 | 1 | 11 | 9 | 53 | | 31 | 108 |
| | 10 | 4 | 1 | 2 | 15 | 9 | | 37 | 69 |
| | 11 | 8 | 0 | 0 | 0 | 0 | | 32 | 41 |
| | 12 NV | 3 | 0 | 3 | 3 | 2 | | 0 96 | 12 97 |
| | NK Total | 46 | 76 | 167 | 86 | 272 | 0 | 354 | 1000 |
| | | | | | | | | | |
| 1961 | 1 | 3 | 2 | 12 | 7 | 1 | 0 | 0 | 24 |
| | 2 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| | 3 | 5 | 1 | 1 7 | 7 | 0 | 0 | 0 | 14 |
| | 4 5 | 1 9 | 3 8 | 13 | 26 12 | 1 13 | 0 | 0 | 38 56 |
| | 6 | 7 | 12 | 58 | 23 | 24 | 0 | 16 | 139 |
| | 7 | 8 | 10 | 66 | 16 | 54 | 0 | 28 | 182 |
| | 8 | 2 | 9 | 38 | 24 | 72 | 0 | 62 | 206 |
| | 9 | 1 | 2 | 21 | 9 | 50 | 0 | 21 | 104 |
| | 10 | 2 | 3 | 3 | 5 | 22 | 0 | 20 | 55 |
| | 11 | 2 | 0 | 6 | 2 | 6 | 1 | 38 | 55 |
| | 12 | 4 | 1 | 1 | 7 | 6 | 1 | 0 | 19 |
| | NK | 0 | 0 | 0 | 0 | 0 | 0 | 102 | 102 |
| | Total | 47 | 51 | 226 | 138 | 249 | 2 | 288 | 1000 |
| 1062 | | | | | | | | | |
| 1962 | 1 | 5 | 2 | 4 | 11 | 7 | 0 | 3 | 32 |
| | 2 3 | 1 | 1 | 2 | 33 | 3 0 | 0 | 2 | 42 |
| | 3 4 | 3 | 5 5 | 7 3 | 36 | 3 | 0 | 1 0 | 53 22 |
| | 5 | 1 7 | 3 7 | 3 7 | 10 4 | 3 7 | 0 | 2 | 34 |
| | 6 | 5 | 12 | 37 | 10 | 14 | 0 | 48 | 125 |
| | 7 | 3 | 15 | 27 | 16 | 59 | 0 | 31 | 151 |
| | 8 | 3 | 7 | 19 | 11 | 86 | 0 | 26 | 153 |
| | 9 | 1 | 1 | 8 | 6 | 46 | 0 | 42 | 105 |
| | 10 | 4 | 2 | 9 | 8 | 28 | 2 | 21 | 74 |
| | 11 | 3 | 1 | 13 | 16 | 16 | 0 | 19 | 69 |
| | 12 | 5 | 1 | 1 | 16 | 17 | 0 | 23 | 63 |
| | NK | 0 | 0 | 0 | 0 | 0 | 0 | 78 | 78 |
| | Total | 41 | 60 | 136 | 177 | 288 | 2 | 296 | 1000 |
| 1963 | 1 | 4 | 1 | 1 | 25 | 13 | | 2 | 47 |
| 1703 | 2 | 2 | 1 | 6 | 41 | 0 | | 2 | 53 |
| | 3 | 2 | 17 | 3 | 30 | 0 | | 0 | 53 |
| | 4 | 2 | 13 | 7 | 13 | 0 | | 0 | 35 |
| | 5 | 4 | 15 | 17 | 8 | 1 | | 3 | 49 |
| | 6 | 3 | 41 | 69 | 11 | 9 | | 55 | 189 |
| | 7 | 7 | 17 | 33 | 17 | 37 | | 26 | 136 |
| | 8 | 2 | 5 | 21 | 10 | 47 | | 15 | 99 |
| | 9 | 2 | 1 | 13 | 3 | 20 | | 29 | 69 |
| | 10 | 3 | 2 | 9 | 6 | 15 | | 13 | 48 |
| | 11 | 3 | 0 | 5 | 7 | 18 | | 22 | 56 |
| | 12 | 3 | 1 | 4 | 10 | 13 | | 24 | 55 |
| | NK | 2 | 0 | 0 | 0 | 0 | | 111 | 112 |
| | Total | 41 | 114 | 189 | 180 | 173 | 0 | 302 | 1000 |

TABLE 8b. (Continued). Annual nominal catches of cod at West Greenland by non-Greenlandic vessels above 150 GRT by NAFO Divisions and month, 1952–91 in per thousand of the annual total (see Table 8a).

| Year | Month | Div. 1F | 1E | 1D | 1C | 1B | 1A | 1NK | Total |
|------|-------------|---------|---------|----------|----------|----------|--------|-----------|------------|
| 1964 | 1 | 3 | 2 | 14 | 39 | 2 | | 19 | 78 |
| | 2 | 3 | 6 | 7 | 15 | 9 | | 11 | 53 |
| | 3 | 3 | 14 | 9 | 10 | 0 | | 1 | 36 |
| | 4 | 4 | 10 | 4 | 2 | 0 | | 0 | 19 |
| | 5 | 3 | 16 | 46 | 6 | 0 | | l | 73 |
| | 6 | 8 | 30 | 81 | 38 | 15 | | 14 | 187 |
| | 7 | 10 | 16 2 | 70 | 20 | 22 37 | | 0 | 138 60 |
| | 8 9 | 3 1 | 3 | 7 9 | 10 2 | 27 | | 0 | 42 |
| | 10 | 1 | 2 | 1 | 1 | 18 | | 0 | 23 |
| | 11 | 1 | 0 | 1 | 2 | 10 | | 0 | 14 |
| | 12 | 2 | 1 | 4 | 4 | 9 | | 0 | 20 |
| | NK | 0 | 0 | 0 | 0 | 0 | | 257 | 257 |
| | Total | 42 | 102 | 253 | 150 | 150 | 0 | 303 | 1000 |
| 1965 | 1 | 1 | 0 | 7 | 28 | 15 | 0 | 6 | 57 |
| | 2 | 2 | 1 | 6 | 16 | 0 | 0 | 0 | 25 |
| | 3 | 1 | 3 | 2 | 4 | 0 | 0 | 0 | 10 |
| | 4 | 3 | 7 | 4 | 8 | 0 | 0 | 0 | 22 |
| | 5 | 6 | 13 | 57 | 13 | 6 | 0 | 1 | 95 |
| | 6 | 8 | 6 | 53 | 19 | 14 | 0 | 18 | 118 |
| | 7 | 3 | 8 | 33 | 18 | 50 | 0 | 42 | 155 |
| | 8 | 4 | 1 | 15 | 14 | 57 | 0 | 42 | 135 |
| | 9 | 5 | 2 | 9 | 3 | 36 | 0 | 8 | 63 |
| | 10 | 4 | 2 | 7 | 9 | 27 | 1 | 24 | 74 |
| | 11 | 5 | 2 | 5 9 | 23 | 20 9 | 0 | 29 | 84 |
| | 12 NK | 2 0 | 0 | 0 | 41 0 | 0 | 0 | 21 79 | 83 79 |
| | Total | 44 | 46 | 207 | 195 | 236 | 1 | 271 | 1000 |
| 1066 | | | | | | | | | |
| 1966 | 1 | 0 | 0 | 2 8 | 9 1 | 0 | | 0 | 12 |
| | 2 3 | 1 3 | 1 1 | 8 7 | 18 | 0 | | 0 | 11 28 |
| | 4 | 1 | 2 | 15 | 15 | 0 | | 0 | 33 |
| | 5 | 0 | 18 | 32 | 26 | 21 | | 3 | 100 |
| | 6 | 1 | 21 | 57 | 30 | 39 | | 25 | 174 |
| | 7 | 4 | 6 | 31 | 10 | 62 | | 50 | 164 |
| | 8 | 12 | 2 | 16 | 13 | 85 | | 27 | 155 |
| | 9 | 20 | 2 | 9 | 3 | 41 | | 13 | 89 |
| | 10 | 7 | 1 | 2 | 1 | 21 | | 11 | 43 |
| | 11 | 1 | 0 | 1 | 1 | 7 | | 36 | 46 |
| | 12 | 6 | 2 | 4 | 3 | 16 | | 26 | 56 |
| | NK Total | 0 55 | 0 58 | 0 185 | 0 128 | 0 293 | 0 | 89 280 | 89 1000 |
| | 10141 | | | 165 | 126 | 293 | | | |
| 1967 | 1 2 | 1 1 | 0 1 | 13 23 | 3 18 | 1 0 | 0 0 | 0 0 | 19 43 |
| | 3 | 2 | 1 11 | 23 | 18 14 | 0 | 0 | 4 | 43 51 |
| | 3 4 | 1 | 12 | 18 | 6 | 0 | 0 | 4 | 41 |
| | 5 | 2 | 24 | 65 | 45 | 8 | 0 | 1 | 145 |
| | 6 | 4 | 20 | 63 | 35 | 36 | 0 | 20 | 178 |
| | | | | | | | | | |

TABLE 8b. (Continued). Annual nominal catches of cod at West Greenland by non-Greenlandic vessels above 150 GRT by NAFO Divisions and month, 1952–91 in per thousand of the annual total (see Table 8a).

| Year | Month | Div. 1F | 1E | 1D | 1C | 1B | 1A | 1NK | Total |
|------|---------|---------|----------|----------|----------|---------|----|-----------|------------|
| 1967 | 8 | 3 | 2 | 25 | 11 | 36 | 0 | 32 | 109 |
| | 9 | 4 | 4 | 14 | 4 | 14 | 1 | 12 | 54 |
| | 10 | 1 | 5 | 6 | 1 | 10 | 0 | 5 | 28 |
| | 11 | 2 | 1 | 1 | 6 | 0 | 0 | 26 | 36 |
| | 12 | 2 | 0 | 8 | 37 | 1 | 0 | 28 | 75 75 |
| | NK | 0 | 0 | 0 | 0 | 0 | 0 | 75 223 | 75 |
| | Total | 30 | 85 | 305 | 195 | 146 | 1 | 239 | 1000 |
| 1968 | 1 | 1 | 2 | 12 | 25 | 0 | 0 | 0 | 40 |
| | 2 | 3 | 3 | 9 | 34 | 0 | 0 | 0 | 50 |
| | 3 | 4 | 1 | 16 | 21 | 0 | 0 | 6 | 47 |
| | 4 | 2 | 12 | 24 | 13 | 0 | 0 | 4 | 55 |
| | 5 | 8 | 36 | 42 | 66 | 2 | 0 | 1 | 155 |
| | 6 | 4 | 70 | 65 | 57 | 2 | 2 | 20 | 221 |
| | 7 | 2 | 35 | 40 | 9 | 5 | 0 | 34 | 123 |
| | 8 | 5 | 3 | 14 | 4 | 11 | 0 | 18 | 54 |
| | 9 10 | 7 3 | 3 | 18 | 6 | 13 0 | 0 | 7 20 | 54 26 |
| | 10 | 2 | 1 | 3 8 | 0 1 | 0 | 0 | 20 | 14 |
| | 12 | 2 | 0 | 3 | 5 | 0 | 0 | 11 | 22 |
| | NK | 0 | 0 | 0 | 0 | 0 | 0 | 138 | 138 |
| | | | | • | | | | | |
| | Total | 44 | 165 | 254 | 240 | 33 | 2 | 261 | 1000 |
| 1969 | 1 | 2 | 2 | 12 | 3 | 0 | 0 | 0 | 19 |
| | 2 | 8 | 1 | 9 | 8 | 0 | 0 | 1 | 26 |
| | 3 | 2 | 0 | 1 | 0 | 0 | 0 | 4 | 8 |
| | 4 | 2 | 41 | 42 | 12 | 0 | 0 | 0 | 97 |
| | 5 | 6 | 71 | 106 | 59 | 0 | 1 | 0 | 243 |
| | 6 | 6 | 36 34 | 40 42 | 39 17 | 1 1 | 1 | 5 | 127 |
| | 7 8 | 17 6 | 34 27 | 33 | 17 | 17 | 0 | 23 10 | 134 112 |
| | 9 | 0 | 3 | 17 | 3 | 15 | 0 | 16 | 54 |
| | 10 | 1 | 2 | 21 | 1 | 6 | 0 | 15 | 47 |
| | 11 | 5 | 1 | 11 | 1 | 1 | 0 | 6 | 25 |
| | 12 | 6 | 0 | 4 | 0 | 0 | 0 | 17 | 27 |
| | NK | 0 | 0 | 2 | 0 | 0 | 0 | 79 | 81 |
| | Total | 60 | 218 | 341 | 163 | 40 | 3 | 175 | 1000 |
| 1970 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1970 | 2 | 2 3 | 3 | 5 | 0 3 | 0 | 0 | 0 | 2 14 |
| | 3 | 12 | 5 | 3 | 0 | 0 | 0 | 0 | 20 |
| | 4 | 4 | 4 | 5 | 4 | 0 | 2 | 0 | 18 |
| | 5 | 51 | 72 | 54 | 67 | 0 | 0 | 0 | 245 |
| | 6 | 38 | 32 | 15 | 25 | 0 | 0 | 0 | 111 |
| | 7 | 9 | 67 | 38 | 2 | 2 | 1 | 0 | 119 |
| | 8 | 5 | 56 | 38 | 13 | 13 | 0 | 0 | 125 |
| | 9 | 5 | 4 | 29 | 8 | 10 | 0 | 0 | 57 |
| | 10 | 4 | 2 | 32 | 3 | 6 | 0 | 0 | 47 |
| | 11 | 17 | 2 | 25 | 17 | 8 | 0 | 0 | 69 |
| | 12 | 17 | 0 | 6 | 0 | 0 | 0 | 0 | 23 |
| | NK | 0 | 0 | 0 | 0 | 0 | 0 | 150 | 150 |
| | Total | 166 | 248 | 251 | 142 | 40 | 3 | 150 | 1000 |

TABLE 8b. (Continued). Annual nominal catches of cod at West Greenland by non-Greenlandic vessels above 150 GRT by NAFO Divisions and month, 1952–91 in per thousand of the annual total (see Table 8a).

| Year | Month | Div. 1F | 1E | 1D | 1C | 1B | 1A | 1NK | Total |
|------|----------|----------|----------|----------|----------|--------|----|--------|------------|
| 1971 | 1 | 2 | 0 | 3 | 0 | 0 | | 0 | 4 |
| | 2 | 20 | 6 | 7 | 3 | 0 | | 0 | 36 |
| | 3 | 2 | 4 | 2 | 0 | 0 | | 0 | 8 |
| | 4 | 15 | 29 | 6 | 17 | 0 | | 0 | 66 |
| | 5 6 | 10 69 | 17 11 | 25 26 | 92 33 | 0 | | 0 | 143 139 |
| | 7 | 41 | 8 | 20 | 8 | 2 | | 0 | 80 |
| | 8 | 14 | 4 | 35 | 30 | 5 | | 0 | 87 |
| | 9 | 21 | 3 | 23 | 31 | 3 | | 0 | 81 |
| | 10 | 4 | 2 | 28 | 16 | 5 | | 0 | 55 |
| | 11 | 2 | 2 | 24 | 32 | 1 | | 0 | 61 |
| | 12 | 3 | 3 | 0 | 1 | 0 | | 0 | 6 |
| | NK | 0 | 1 | 8 | 22 | 0 | | 201 | 232 |
| | Total | 202 | 89 | 208 | 283 | 16 | 0 | 201 | 1000 |
| 1972 | 1 | 3 | 0 | 8 | 111 | 0 | | 0 | 123 |
| | 2 | 8 | 1 | 2 | 80 | 0 | | 0 | 91 |
| | 3 | 3 | 5 | 10 | 35 | 0 | | 0 | 53 |
| | 4 | 4 | 4 | 6 | 79 | 0 | | 0 | 92 |
| | 5 | 12 | 18 | 28 | 23 | 0 | | 0 | 82 |
| | 6 | 3 | 7 | 7 | 4 | 0 | | 0 | 21 |
| | 7 | 0 | 1 | 41 | 26 | 5 | | 0 | 74 |
| | 8 9 | 0 1 | 0 9 | 19 5 | 20 1 | 23 | | 0 | 62 18 |
| | 10 | 0 | 1 | 12 | 8 | 1 4 | | 0 | 25 |
| | 11 | 0 | 1 | 38 | 46 | 1 | | 0 | 87 |
| | 12 | 6 | 10 | 10 | 3 | 0 | | 0 | 28 |
| | NK | 10 | 22 | 28 | 54 | 0 | | 130 | 244 |
| | Total | 50 | 81 | 214 | 490 | 35 | 0 | 130 | 1000 |
| 1973 | 1 | 8 | 6 | 2 | 54 | 0 | | 0 | 71 |
| 15,0 | 2 | 8 | 8 | 3 | 105 | 0 | | 1 | 124 |
| | 3 | 11 | 15 | 16 | 29 | 0 | | 0 | 71 |
| | 4 | 13 | 25 | 3 | 2 | 0 | | 1 | 43 |
| | 5 | 5 | 17 | 23 | 9 | 0 | | 2 | 56 |
| | 6 | 1 | 22 | 68 | 5 | 7 | | 4 | 107 |
| | 7 | 3 | 6 | 40 | 47 | 36 | | 0 | 131 |
| | 8 | 2 | 1 | 13 | 23 | 5 | | 0 | 44 |
| | 9 | 0 | 3 | 11 | 10 | 1 | | 0 | 25 |
| | 10 11 | 1 0 | 14 20 | 46 55 | 17 46 | 0 | | 4 | 83 128 |
| | 12 | 1 | 0 | 4 | 5 | 0 | | 6 6 | 128 |
| | NK | 0 | 47 | 48 | 3 | 0 | | 0 | 99 |
| | Total | 53 | 185 | 332 | 356 | 50 | 0 | 25 | 1000 |
| 1974 | 1 | 5 | 2 | 0 | 1 | 0 | 0 | 0 | 7 |
| | 2 | 1 | 17 | 1 | 2 | 0 | 0 | 0 | 21 |
| | 3 | 0 | 12 | 0 | 1 | 0 | 0 | 0 | 13 |
| | 4 | 0 | 13 | 0 | 2 | 0 | 0 | 0 | 15 |
| | 5 | 4 | 20 | 23 | 22 | 0 | 0 | 0 | 68 |
| | 6 | 0 | 33 | 81 | 98 | 3 | 0 | 0 | 215 |
| | 7 | 0 | 6 | 83 | 42 | 26 | 0 | 0 | 159 |

TABLE 8b. (Continued). Annual nominal catches of cod at West Greenland by non-Greenlandic vessels above 150 GRT by NAFO Divisions and month, 1952–91 in per thousand of the annual total (see Table 8a).

| Year | Month | Div. 1F | 1E | 1D | 1C | 1B | 1A | 1NK | Total |
|----------|----------|---------|---------|----------|--------|--------|----|-----|----------|
| 1974 | 8 | 8 | 9 | 26 | 1 | 2 | 0 | 0 | 47 |
| | 9 | 4 | 0 | 4 | 28 | 0 | 1 | 0 | 38 |
| | 10 | 0 | 1 | 85 | 23 | 8 | 0 | 0 | 117 |
| | 11 | 0 | 2 | 44 | 45 | 11 | 0 | 0 | 103 |
| | 12 | 0 | 0 | 5 | 18 | 0 | 0 | 0 | 23 |
| | NK | 6 | 66 | 63 | 40 | | 0 | 0 | 176 |
| | Total | 28 | 182 | 416 | 322 | 51 | 1 | 0 | 1000 |
| 1975 | 1 | 6 | 3 | 0 | 0 | 0 | | 0 | 10 |
| | 2 | 9 | 7 | 2 | 1 | 0 | | 0 | 19 |
| | 3 | 15 | 17 | 7 | 149 | 0 | | 0 | 187 |
| | 4 | 21 | 26 | 10 | 24 | 0 | | 0 | 80 |
| | 5 | 25 | 27 | 5 | 5 | 0 | | 0 | 63 |
| | 6 | 12 | 17 | 68 | 39 | 0 | | 0 | 137 |
| | 7 | 0 | 4 | 38 | 15 | 0 | | 0 | 58 |
| | 8 9 | 0 1 | 5 1 | 37 27 | 23 | 0 | | 0 | 65 38 |
| | 10 | 1 | 8 | 34 | 8 5 | 0 | | 0 | 49 |
| | 11 | 3 | 4 | 24 | 24 | 0 | | 0 | 53 |
| | 12 | 14 | 6 | 23 | 12 | 0 | | 0 | 54 |
| | NK | 0 | 73 | 113 | 1 | 0 | | 0 | 187 |
| | | | | 389 | | 1 | 0 | | |
| | Total | 106 | 197 | 389 | 307 | | 0 | 0 | 1000 |
| 1976 | 1 | 35 | 16 | 13 | 20 | 0 | | | 84 |
| | 2 | 20 | 2 | 6 | 3 | 0 | | | 31 |
| | 3 | 24 | 17 | 5 | 6 | 0 | | | 52 |
| | 4 | 23 1 | 22 | 20 3 | 2 0 | 1 0 | | | 67 30 |
| | 5 6 | 9 | 25 1 | 0 | 0 | 0 | | | 11 |
| | 7 | 0 | 1 | 28 | 6 | 0 | | | 35 |
| | 8 | 0 | 0 | 11 | 35 | 13 | | | 60 |
| | 9 | 6 | 0 | 128 | 33 | 0 | | | 167 |
| | 10 | 8 | 1 | 13 | 10 | 0 | | | 33 |
| | 11 | 10 | 1 | 14 | 26 | 2 | | | 51 |
| | 12 | 29 | 81 | 64 | 2 | 0 | | | 176 |
| | NK | 3 | 54 | 136 | 1 | 10 | | | 203 |
| | Total | 169 | 221 | 441 | 142 | 26 | 0 | 0 | 1000 |
| 1977 | 1 | 34 | 57 | 175 | 77 | 0 | | | 342 |
| 1777 | 2 | 25 | 31 | 101 | 13 | 0 | | | 170 |
| | 3 | 27 | 25 | 67 | 15 | 0 | | | 135 |
| | 4 | 25 | 38 | 0 | 0 | 0 | | | 64 |
| | 5 | 10 | 13 | 102 | 0 | 0 | | | 124 |
| | 6 | 4 | 55 | 8 | 38 | 22 | | | 136 |
| | 7 | 3 | 0 | 0 | 0 | 0 | | | 3 |
| | 8 | 1 | 0 | 0 | 0 | 0 | | | 1 |
| | 9 | 1 | 0 | 0 | 0 | 0 | | | 1 |
| | 10 | 2 | 0 | 2 | 0 | 0 | | | 4 |
| | 11 | 3 | 0 | 4 | 0 | 0 | | | 7 |
| | 12 NW | 2 | 2 | 9 | 2 | 0 | | | 14 |
| | NK | 0 | 0 | 0 | 0 | 0 | | | 0 |
| | Total | 137 | 221 | 466 | 145 | 22 | 9 | 0 | 1000 |

TABLE 8b. (Continued). Annual nominal catches of cod at West Greenland by non-Greenlandic vessels above 150 GRT by NAFO Divisions and month, 1952–91 in per thousand of the annual total (see Table 8a).

| Year | Month | Div. 1F | 1E | 1D | 1C | 1B | 1A | 1NK | Total |
|------|--------|---------|-----------|----------|--------|--------|----|-----|-----------|
| 1978 | 1 | 202 | 65 | 23 | 0 | | | | 289 |
| | 2 | 36 | 80 | 29 | 25 | | | | 171 |
| | 3 | 10 | 60 | 57 | 20 | | | | 148 |
| | 4 | 45 0 | 116 89 | 78 22 | 0 5 | | | | 239 |
| | 5 6 | 25 | 89 11 | 2 | 0 | | | | 115 38 |
| | 7 | 0 | 0 | 0 | 0 | | | | 0 |
| | 8 | 0 | 0 | 0 | 0 | | | | 0 |
| | 9 | 0 | 0 | 0 | 0 | | | | 0 |
| | 10 | 0 | 0 | 0 | 0 | | | | 0 |
| | 11 | 0 | 0 | 0 | 0 | | | | 0 |
| | 12 | 0 | 0 | 0 | 0 | | | | 0 |
| | NK | 0 | 0 | 0 | 0 | | | | 0 |
| | Total | 318 | 421 | 211 | 50 | 0 | 0 | 0 | 1000 |
| 1979 | 1 | 22 | 27 | 69 | 11 | 0 | | | 129 |
| | 2 | 11 | 27 | 49 | 23 | 0 | | | 110 |
| | 3 | 4 | 1 | 16 | 10 | 0 | | | 31 |
| | 4 | 58 | 61 | 6 | 0 | 0 | | | 125 |
| | 5 | 131 | 26 | 1 | 0 | 0 | | | 158 |
| | 6 7 | 89 1 | 14 7 | 5 5 | 0 0 | 0 0 | | | 108 13 |
| | 8 | 6 | 2 | 1 | 0 | 0 | | | 9 |
| | 9 | 0 | 0 | 0 | 0 | 0 | | | 0 |
| | 10 | 2 | 11 | 5 | 0 | 0 | | | 18 |
| | 11 | 0 | 1 | 32 | 9 | 0 | | | 41 |
| | 12 | 9 | 89 | 101 | 34 | 0 | | | 233 |
| | NK | 4 | 0 | 11 | 0 | 11 | | | 25 |
| | Total | 337 | 266 | 300 | 87 | 11 | 0 | 0 | 1000 |
| 1980 | 1 | 51 | 218 | 53 | 191 | | | | 513 |
| | 2 | 63 | 49 | 10 | 9 | | | | 130 |
| | 3 | 3 | 2 | 0 | 0 | | | | 5 |
| | 4 | 0 | 2 | 1 | 0 | | | | 3 |
| | 5 | 4 | 0 | 0 | 0 | | | | 4 |
| | 6 7 | 3 29 | 0 | 0 | 0 | | | | 3 29 |
| | 8 | 64 | 12 | 0 | 19 | | | | 95 |
| | 9 | 46 | 4 | 0 | 7 | | | | 57 |
| | 10 | 25 | 9 | 0 | 8 | | | | 42 |
| | 11 | 38 | 21 | 0 | 0 | | | | 60 |
| | 12 | 23 | 10 | 0 | 27 | | | | 61 |
| | NK | 0 | 0 | 0 | 0 | | | | 0 |
| | Total | 350 | 326 | 63 | 261 | 0 | 0 | 0 | 1000 |
| 1981 | 1 | 53 | 53 | 0 | 53 | | | | 158 |
| | 2 | 2 | 0 | 0 | 0 | | | | 2 |
| | 3 | 2 | 0 | 0 | 0 | | | | 2 |
| | 4 | 10 | 0 | 0 | 0 | | | | 10 |
| | 5 | 0 | 0 | 0 | 0 | | | | 0 |
| | 6 | 0 | 0 | 0 | 0 | | | | 0 |
| | 7 | 0 | 0 | 0 | 0 | | | | 0 |

TABLE 8b. (Continued). Annual nominal catches of cod at West Greenland by non-Greenlandic vessels above 150 GRT by NAFO Divisions and month, 1952–91 in per thousand of the annual total (see Table 8a).

| | Mandle | D: 1E | 1E | 1D | 1.0 | 1D | 1.4 | 1311/ | T-4-1 |
|------|---------|---------|-----------|-----------|---------|----|-----|-------|-----------|
| Year | Month | Div. 1F | 1E | 1D | 1C | 1B | 1A | 1NK | Total |
| 1981 | 8 9 | 0 | 0 | 0 | 0 | | | | 24 |
| | 9 10 | 0 48 | 24 110 | 0 | 0 26 | | | | 24 185 |
| | 11 | 257 | 98 | 0 | 5 | | | | 360 |
| | 12 | 153 | 19 | 0 | 0 | | | | 173 |
| | NK | 86 | 0 | 0 | 0 | | | | 86 |
| | Total | 612 | 305 | 0 | 84 | 0 | 0 | 0 | 1000 |
| 1982 | 1 | 1 | 0 | 0 | 0 | | | | 1 |
| | 2 | 1 | 0 | 0 | 0 | | | | 1 |
| | 3 | 0 | 0 | 0 | 0 | | | | 0 |
| | 4 | 1 | 0 | 0 | 0 | | | | 1 |
| | 5 | 2 | 1 | 0 | 0 | | | | 200 |
| | 6 | 0 | 0 | 0 | 0 | | | | |
| | 7 8 | 0 | 0 | 0 | 0 | | | | 0 |
| | 9 | 0 | 13 | 0 | 0 | | | | 0 14 |
| | 10 | 15 | 35 | 177 | 8 | | | | 236 |
| | 11 | 0 | 51 | 220 | 252 | | | | 524 |
| | 12 | 62 | 117 | 42 | 0 | | | | 221 |
| | NK | 0 | 0 | 0 | 0 | | | | 0 |
| | Total | 84 | 217 | 439 | 260 | 0 | 0 | 0 | 1000 |
| 1983 | 1 | 82 | 173 | 15 | 0 | | | | 270 |
| | 2 | 48 | 53 | 1 | 0 | | | | 101 |
| | 3 | 29 | 4 | 0 | 0 | | | | 33 |
| | 4 | 6 | 0 | 0 | 0 | | | | 6 |
| | 5 | 97 | 24 | 0 | 0 | | | | 121 |
| | 6 | 13 | 22 | 13 | 1 | | | | 49 |
| | 7 | 0 8 | 4 15 | 4 8 | 0 | | | | 8 31 |
| | 8 9 | 3 | 5 | 8 1 | 0 | | | | 9 |
| | 10 | 0 | 0 | 23 | 0 | | | | 23 |
| | 11 | 0 | 9 | 63 | 0 | | | | 72 |
| | 12 | 83 | 81 | 16 | 0 | | | | 180 |
| | NK | 6 | 36 | 44 | 12 | | | | 97 |
| | Total | 375 | 426 | 187 | 13 | 0 | 0 | 0 | 1000 |
| 1984 | 1 | 26 | 7 | 1 | | | | | 34 |
| | 2 | 5 | 10 | 0 | | | | | 15 |
| | 3 | 88 | 36 | 1 | | | | | 125 |
| | 4 | 121 | 75 | 1 | | | | | 197 |
| | 5 | 34 | 11 | 7 | | | | | 52 |
| | 6 | 7 | 1 | 0 | | | | | 8 |
| | 7 | 0 | 0 | 0 | | | | | 220 |
| | 8 9 | 6 4 | 40 63 | 185 29 | | | | | 230 96 |
| | 10 | 0 | 0 | 0 | | | | | 1 |
| | 11 | 2 | 10 | 15 | | | | | 27 |
| | 12 | 31 | 91 | 95 | | | | | 217 |
| | NK | 0 | 0 | 0 | | | | | 0 |
| | Total | 323 | 344 | 332 | 0 | 0 | 0 | 0 | 1000 |

TABLE 8b. (Continued). Annual nominal catches of cod at West Greenland by non-Greenlandic vessels above 150 GRT by NAFO Divisions and month, 1952–91 in per thousand of the annual total (see Table 8a).

| Year | Month | Div. 1F | 1E | 1D | 1C | 1B | 1A | 1NK | Total |
|------|-------------|----------|----------|---------|--------|----|----|-----|----------|
| 1985 | 1 | 373 | 146 | 0 | | | | | 518 |
| | 2 | 327 | 0 | 0 | | | | | 327 |
| | 3 4 | 107 1 | 9 0 | 0 | | | | | 116 1 |
| | 5 | 0 | 0 | 0 | | | | | 0 |
| | 6 | 0 | 0 | 0 | | | | | 0 |
| | 7 | 0 | 0 | 0 | | | | | 0 |
| | 8 | 0 | 0 | 0 | | | | | 1 |
| | 9 | 0 | 0 | 0 | | | | | 0 |
| | 10 | 1 | 0 | 0 | | | | | 2 |
| | 11 12 | 0 | 8 | 0 | | | | | 9 25 |
| | NK | 6 0 | 18 0 | 0 | | | | | 0 |
| | Total | 816 | 181 | 3 | 0 | 0 | 0 | 0 | 1000 |
| 1986 | 1 | 19 | 0 | 0 | | | | | 19 |
| | 2 | 0 | 222 | 0 | | | | | 222 |
| | 3 | 130 | 0 | 0 | | | | | 130 |
| | 4 | 74 | 0 | 0 | | | | | 74 |
| | 5 | 0 | 0 | 0 | | | | | 0 |
| | 6 | 0 | 0 | 37 | | | | | 37 |
| | 7 8 | 19 0 | 74 0 | 0 | | | | | 93 0 |
| | 9 | 0 | 19 | 0 | | | | | 19 |
| | 10 | 0 | 93 | 0 | | | | | 93 |
| | 11 | 19 | 111 | 0 | | | | | 130 |
| | 12 | 185 | 0 | 0 | | | | | 185 |
| | NK | 0 | 0 | 0 | | | | | 0 |
| | Total | 444 | 519 | 37 | 0 | 0 | 0 | 0 | 1000 |
| 1987 | 1 | 0 | 0 | 0 | | | | | 0 |
| | 2 | 0 | 0 | 0 | | | | | 0 |
| | 3 | 0 | 0 | 0 | | | | | 0 |
| | 4 | 11 | 0 | 0 | | | | | 11 |
| | 5 6 | 0 0 | $0 \\ 0$ | 11 | | | | | 0 11 |
| | 7 | 0 | 0 | 0 | | | | | 0 |
| | 8 | 90 | 157 | 22 | | | | | 270 |
| | 9 | 0 | 0 | 0 | | | | | 0 |
| | 10 | 101 | 0 | 0 | | | | | 101 |
| | 11 | 0 | 0 | 0 | | | | | 0 |
| | 12 | 281 | 326 | 0 | | | | | 607 |
| | NK Total | 0 483 | 0 483 | 0 34 | 0 | 0 | 0 | 0 | 1000 |
| 1000 | | | | | | | | | |
| 1988 | 1 | 99 | 34 | 0 | 0 | | | | 133 |
| | 2 3 | 22 1 | 41 30 | 0 | 0 0 | | | | 63 31 |
| | 3 4 | 3 | 38 | 6 | 0 | | | | 31 47 |
| | 5 | 0 | 22 | 0 | 0 | | | | 22 |
| | 6 | 0 | 0 | 0 | 0 | | | | 0 |
| | 7 | 0 | 35 | 1 | 0 | | | | 36 |

TABLE 8b. (Continued). Annual nominal catches of cod at West Greenland by non-Greenlandic vessels above 150 GRT by NAFO Divisions and month, 1952–91 in per thousand of the annual total (see Table 8a).

| Year | Month | Div. 1F | 1E | 1D | 1C | 1B | 1A | 1NK | Total |
|------|----------|----------|------------|----------|----|----|----|-----|------------|
| 1988 | 8 | 0 | 22 | 31 | 0 | | | | 54 |
| | 9 | 0 | 55 | 73 | 0 | | | | 128 |
| | 10 | 4 | 8 | 48 | 3 | | | | 63 |
| | 11 12 | 8 46 | 1 30 | 20 31 | 0 | | | | 29 108 |
| | NK | 285 | 0 | 0 | 0 | | | | 285 |
| | | | | | | 0 | 0 | | |
| | Total | 470 | 316 | 211 | 3 | 0 | 0 | 0 | 1000 |
| 1989 | 1 | 96 | 147 | 35 | | | | | 279 |
| | 2 | 83 | 119 | 0 | | | | | 202 |
| | 3 | 6 | 62 | 1 | | | | | 70 |
| | 4 | 98 | 107 0 | 0 | | | | | 205 0 |
| | 5 6 | 0 | 31 | 0 | | | | | 31 |
| | 7 | 0 | 38 | 30 | | | | | 68 |
| | 8 | 2 | 3 | 0 | | | | | 4 |
| | 9 | 0 | 0 | 0 | | | | | 0 |
| | 10 | 0 | 0 | 0 | | | | | 0 |
| | 11 | 0 | 0 | 0 | | | | | 0 |
| | 12 | 0 | 0 | 0 | | | | | 0 |
| | NK | 141 | 0 | 0 | | | | | 141 |
| | Total | 426 | 507 | 66 | 0 | 0 | 0 | 0 | 1000 |
| 1990 | 1 | 167 | 45 | 0 | | | | | 212 |
| | 2 | 42 | 0 | 0 | | | | | 42 |
| | 3 | 38 | 4 | 0 | | | | | 42 |
| | 4 | 10 | 171 | 7 | | | | | 187 |
| | 5 | 6 | 82 | 0 | | | | | 89 |
| | 6 | 0 | 43 | 0 | | | | | 43 |
| | 7 8 | 0 154 | 125 69 | 22 0 | | | | | 147 223 |
| | 9 | 0 | 0 | 0 | | | | | 0 |
| | 10 | 0 | 0 | 0 | | | | | 1 |
| | 11 | 4 | 0 | 0 | | | | | 4 |
| | 12 | 9 | 0 | 0 | | | | | 9 |
| | NK | 0 | 0 | 0 | | | | | 0 |
| | Total | 430 | 540 | 30 | 0 | 0 | 0 | 0 | 1000 |
| 1991 | 1 | 979 | 0 | | | | | | 979 |
| 1//1 | 2 | 0 | 0 | | | | | 0 | 717 |
| | 3 | 0 | 0 | | | | | | 0 |
| | 4 | 0 | 0 | | | | | | 0 |
| | 5 | 0 | 0 | | | | | | 0 |
| | 6 | 0 | 10 | | | | | | 10 |
| | 7 | 0 | 10 | | | | | | 10 |
| | 8 | 0 | 0 | | | | | | 0 |
| | 9 | 0 | 0 | | | | | | 0 |
| | 10 11 | 0 | 0 0 | | | | | | 0 |
| | 12 | 0 | 0 | | | | | | 0 |
| | NK | 0 | 0 | | | | | | 0 |
| | Total | 979 | 21 | 0 | 0 | 0 | 0 | 0 | 1000 |
| | 10141 | 717 | ∠ 1 | U | U | U | U | U | 1000 |

TABLE 9. Comparison between scientific advice, regulatory measures (TAC) and actual catches of cod at Greenland. From Horsted (1991) and ICES (Anon., 1997).

| | Catch correspon | ding to advice | TAC | set | I | Estimated inshore | Nominal ca | atch offshor | e + inshore |
|------|---------------------|----------------|-----------------|-------|-------|-------------------|-------------------|-------------------|--------------------|
| Year | West Greenl. | East Greenl. | West | East | Total | catch | West ² | East ² | Total ² |
| 1974 | TAC 80 | | 107 (12) | 1 | | | 48 | 6 | 54 |
| 1975 | 55 $(F_{0.1})$ | | $60(9)^1$ | | | | 48 | 6 | 54 |
| 1976 | 45 or lower | | 45.1 (9) | 1 | | | 33 | 13 | 46 |
| 1977 | 0 | | 21 | | | | 38/73 | 9/18 | 47/91 |
| 1978 | lowest possible | | 7 | | | | 39/73 | 8/21 | 47/94 |
| 1979 | 26 | | 7 | | | | 48/99 | 9/34 | 57/133 |
| 1980 | $49-54^{3,6}$ | 2 | $20^7 + insh$ | ore | | | 47/54 | 11/12 | 58/66 |
| 1981 | 40^{6} | | 62 | | | | 53 | 10/16 | 63/69 |
| 1982 | 62^{6} | | 62 | | | | 56 | 21/27 | 77/83 |
| 1983 | $52-56^4$ | | 62 | | | | 58 | 13 | 71 |
| 1984 | 49 ⁷ | | 68.5 | | | | 33 | 9 | 42 |
| 1985 | $22.4 - 37.1^{5,6}$ | | 28.3 | | | | 15 | 2 | 17 |
| 1986 | 9.3^{6} | | 12.5 | | | | 7 | 5 | 12 |
| 1987 | 5.8^{6} | | 12.5 | 11.5 | | 8 | 12 | 7 | 19 |
| 1988 | 33^{6} | 10 | 53 ⁹ | 11.5 | | 23 | 60/63 | 12/9 | 72/72 |
| 1989 | 13.5^{6} | 5 | 90 | 15 | | 39 | 109/92 | 16/15 | 125/107 |
| 1990 | 112 | | 110 | 15 | | 30 | 69 | 34 | 103 |
| 1991 | | | 90 | 25 | 115 | 19 | 22 | 20 | 42 |
| 1992 | | | 66 | 17.25 | 83.25 | 6 | 6 | 11 | 17 |
| 1993 | | | 66 | 17.25 | 83.25 | 2 | 2 | 1 | 3 |
| 1994 | | 0 | 66 | 17.25 | 83.25 | 2 | 2 | + | 3 |
| 1995 | | 0 | 66 | 17.35 | 83.25 | 2 | 2 | + | 3 |

For some years the agreed TAC includes an estimate of inshore fisheries. For such years the inshore catch expected when the TAC was agreed is given in parenthesis. The difference between the agreed TAC and the estimated inshore catch was allocated amongst participants in the fishery.

When two values occur the right hand figures are estimates used by NAFO or ICES for their assessments.

Range due to range in estimates of the 1973 year-class when recruiting to the spawning stock.

Range due to estimates of the 1979 year-class.

Range due to range in emigration rate ands survey stock estimate.

The $F_{0.1}$ is shown but several options were analyzed and for the years 1986–89 a more cautious approach than the $F_{0.1}$ option was advised. No TAC was set but catches were limited to Greenlandic fishery and to by-catches. Greenland's catch was 37 000 tons and 46 000 tons for 1978 and 1979, respectively.

The TAC of 20 000 tons was for areas outside baseline only.

Initially (in December 1987) 40 000 tons; raised in 1988.

| V. Fisheries Regulations and Management |
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| |
| |
| |

V. Fisheries Regulations and Management

Fishing is influenced by many factors, some of which are dictated by nature, other by man. Fisheries management in its broad sense influences decisions on any aspect of the fishery (vessels, fish plants, fishing operations). Here, however, only such fisheries regulations, which influence methods, time and place of the operations, will be considered.

1. Notes on the Legal Background

The legal situation around fisheries regulations in Greenland waters has been rather complicated but needs to be understood to follow the development of regulations. Horsted (1991) reviewed the situation after the Danish constitution in 1953 changed Greenland's status from colony to an integral part of the Kingdom of Denmark. Greenland then got a local parliament (Landsrådet) for decisions on local matters, whereas laws and rules for the fishing zone and its resources were set by the Danish government through the Ministry for Greenland.

After a referendum Denmark joined the European Economic Community (EEC, now the European Union, EU) in 1973. Greenland had to follow Denmark according to the new constitution. Greenland was also an integrated part of Denmark in relation to the fisheries Commissions of the North Atlantic (ICNAF, now NAFO, and NEAFC) and is still so.

From January 1977 the fishing zone round Greenland was extended from 12 to 200 naut. miles (or to limits agreed to with neighbouring nations; not all questions settled yet). The resources in the Exclusive Economic Zone (EEZ) were then regarded as EEC resources, and TACs and other regulations were set by the EEC Council of Ministers.

By 1 May 1979 the Greenland Home Rule Act came into effect whereby Greenland got authority in relation to Denmark for management of the living resources in Greenland waters; except that Greenland was still a member of the EEC and had its voice there through the Danish Ministry of Foreign Affairs. However, a subsequent referendum showed that Greenland still opposed membership of the EEC. After long negotiations and necessary changes of Danish, Greenlandic and EEC laws and rules, Greenland officially withdrew from EEC on 1 February 1985. Since then Greenland has had complete autonomy over resources in its EEZ, and the Greenland Minister for Fisheries issues the laws and regulations governing management of the resources.

Greenland's membership at NAFO is a matter of foreign affairs, and representation as an individual member of NAFO comes as Denmark in respect of the Faroe Islands and Greenland. On the other hand, Denmark's voice in NAFO is through the EEC (now EU).

After withdrawal from the EEC, Greenland has had some fisheries agreements with the EEC/EU, including fishing rights at Greenland for the latter. These agreements so far have been made for 5-year periods.

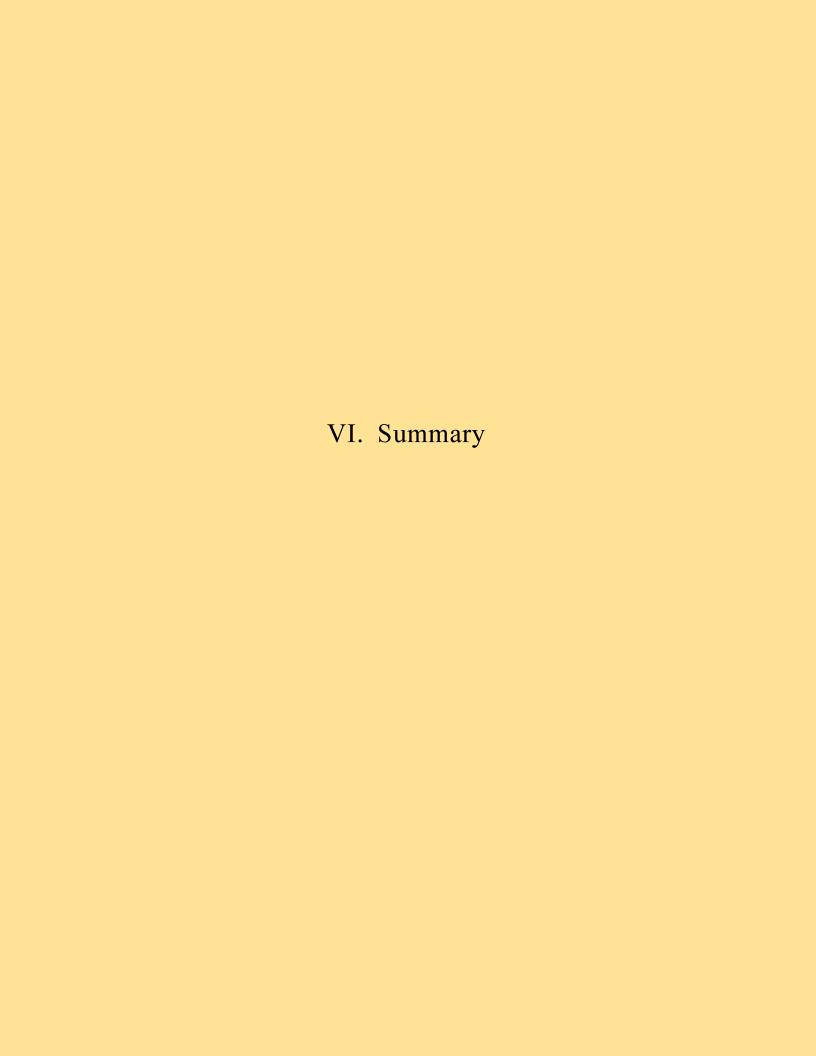
2. Management

Cod fishing in Greenland waters was a free fishery for many earlier years. It is, however, noted that foreign fishing nations were not allowed to fish within the national fisheries territorial boundary. The boundary was originally 3 naut. miles, 12 naut. miles in 1964 and from 1977 has been 200 naut. miles except with special rights for Faroese and Danish fishermen outside the 3 naut. mile boundary. No trawling of groundfish, such as cod, was allowed inside the 3 naut. miles boundary and with a few exceptions that still holds.

Minimum mesh sizes (130 mm) in trawls were set through ICNAF effective from 1969, and a domestic rule of minimum size for landed cod of 42 cm was set at the same time. The latter was changed to 40 cm in 1973. None of these regulations have influenced fisheries performance directly, except that a very high proportion of undersized fish in catches by especially stationary pound nets may have required the fishermen to move the nets to other localities or give up that method for a while.

The first quota regulation of West Greenland cod (an overall TAC) was agreed by ICNAF in 1973 and came into force in 1974. Since then, that fishery has been regulated by TACs allocated amongst ICNAF/NAFO members. In ICNAF times, the TAC calculation included an estimate of non-members unregulated catches. Table 9 lists recommended TACs, agreed (set) TACs and total nominal catch for each of the years 1974–95 for West as well as for East Greenland.

Horsted (1991) commented on this table for the years 1974–90 and found that it seems to indicate that TAC was never really a limiting factor for fishing, except in the years 1986–87. For more recent years the discrepancy between advised TACs and set TACs reflects that the 5-year fisheries agreement between Greenland and the EU on EU fishing allowance in Greenland waters, was negotiated before the actual stock situation for each year was assessed. Therefore, it could be claimed that stock situation has influenced fishing performance more than have fisheries regulations, except when certain methods in certain areas were restricted (e.g. no inshore groundfish trawling permitted).



VI. Summary

The commercial cod fishery at Greenland in this century started in 1911 by Greenland fishermen using hand- and long-lines from small boats, mainly rowing boats. Until 1924 Greenland was the only participant, and annual catches in that period did not reach 1 000 tons. Nations other than Greenland came into the picture from 1924, first Norway, followed in 1925 by the Faroe Islands and the UK, by France in 1928 and Portugal in 1931. During the pre-World War II period all were fishing with hand- and/or long-lines except in 1935–36 the UK had noteworthy catches (up to 5 600 tons) taken by trawlers, and Portugal some few hundred tons during 1936–39. Pre-war catches peaked with 130 000 tons in 1936, but only in two of the other pre-war years (1931 and 1937) did total catch exceed the 100 000 tons. World War II stopped foreign fishing at Greenland except for Portugal (the Faroe Islands fished in 1940). Greenland's own annual reported catches during the war remained at the 20 000 tons level, while the total catch may have been two-three times that.

The post-World War II period soon saw the pre-war participants the Faroe Islands, France, Norway and the UK back at West Greenland. Portugal was there already, and Spain joined from 1946. These nations evidently had their fishing fleets ready to operate, probably with a very hampered UK fleet. However, by 1949 UK landings by trawlers reached the 20 000 tons level, and by 1953 a total of 105 UK trawlers landed 34 000 tons of cod, many of them making more than one trip to Greenland. They were nearly all steam side trawlers built after the war.

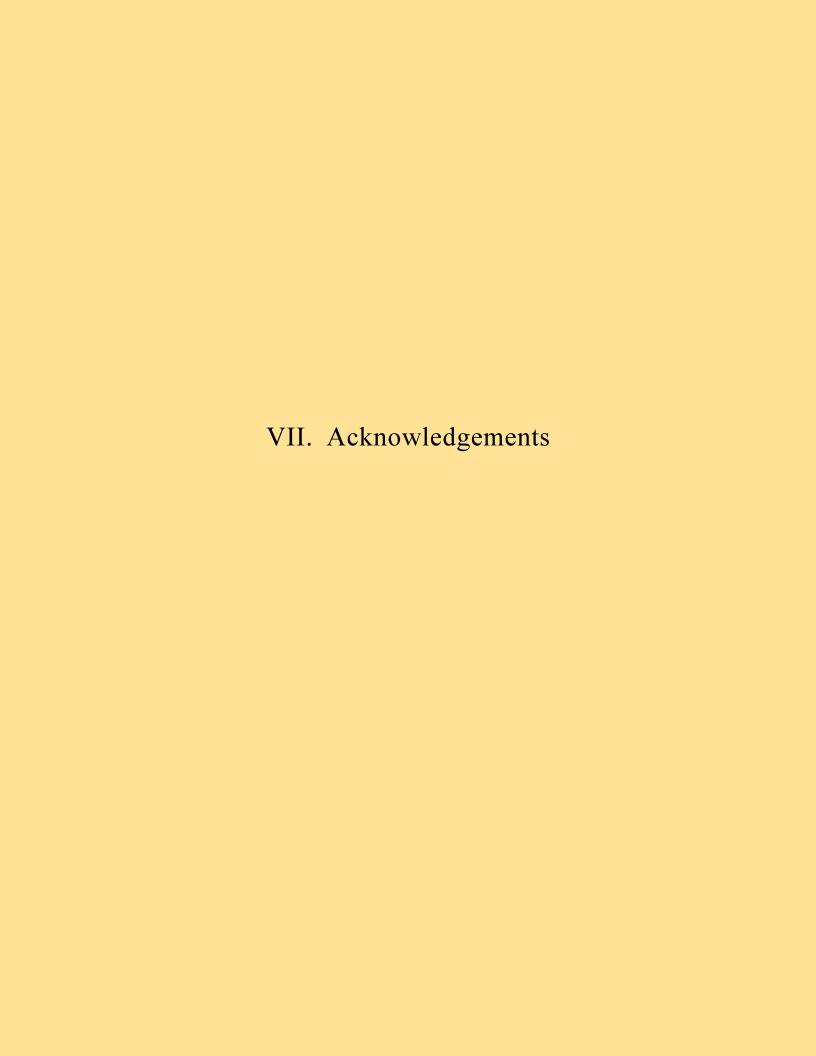
The 1950–60s were characterized by a continuation of the traditional nations fishing with increasing numbers of trawlers, and by newcomers from Europe. Iceland from 1948, Italy from 1950 (Italy, however, never played a big role), the FRG from 1952, the GDR from 1958, Poland with limited effort in the 1960s, and the USSR also with limited effort so far as cod at Greenland was concerned from 1959 to 1974. These newcomers used trawlers only. Especially the FRG rapidly built up a fleet of modern diesel-powered trawlers, gradually substituting side trawlers with stern trawlers, which were highly efficient even in bad weather. The trawlers permitted fishing throughout the year.

By the end of the 1960s it became clear that the cod resource was decreasing due to less favourable environmental conditions influencing recruitment coupled with the high rate of exploitation. The resulting lower catch rates generally meant less interest in the fishery. The localized Greenland fleet of small boats had no other choice than to fish in Greenland waters, but partly switched to shrimp fishing and for a shorter period to seasonal salmon fishing. Greenland also built large trawlers, and these had the effect that Greenland's catch remained relatively high during the 1970–80s. FGR also continued fishing for cod but with much less effort than in the 1950–60s. Other nations generally phased out their cod fishing in Greenland waters in the late-1970s, influenced also by the international regulations and extension of fisheries territories.

At East Greenland the cod fishing activity and the catches were much lower than those at West Greenland. Greenland itself has only a very small local population there, and the Greenland trawlers were not going there unless fishing was thought to be much better than at the west coast to compensate the extra sailing. The major nations fishing at East Greenland after World War II were FRG, UK and Iceland.

Seen over the total period from 1910–95, Table 4 illustrates the output of the resource for each nation. It shows that the total output of the resource (West plus East) during the period was about 10 million tons. The coastal state Greenland took about 15% of that total.

Portugal with 2.1 million tons was outstanding. So was Germany, especially since nearly its whole catch of 1.8 million tons (including 125 000 tons by GDR 1958–72) was taken after World War II. These contrast with catches by Greenland, Faroe Islands and France, which are "traditional" participants, with an output of 1.2–1.5 million tons each followed by Norway recording about 900 000 tons, while UK, Spain and Iceland have some 100 000 tons each. Italy, Denmark, USSR, Poland, USA, Canada and Japan complete the list, the latter three with catches below 1 000 tons each.



VII. Acknowledgements

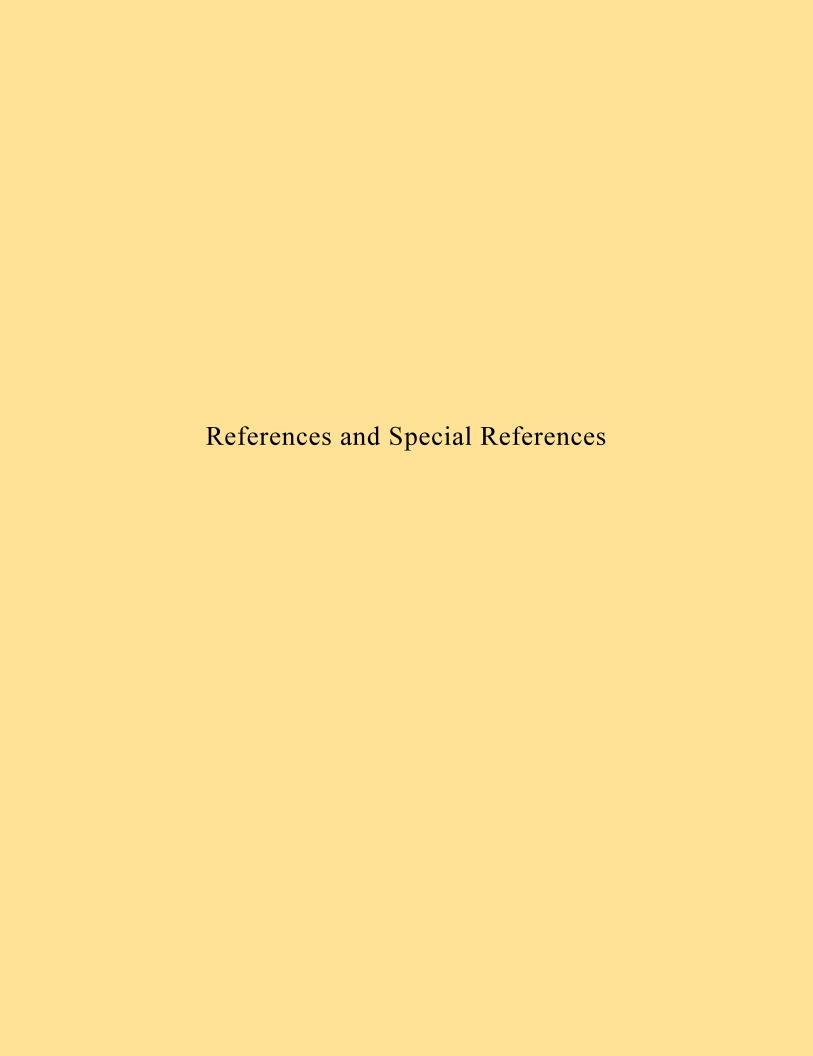
The work on this paper started in 1992 after the NAFO Scientific Council Standing Committee on Publications (STACPUB) in 1991 had proposed to invite me to review the fishery, biology and assessment of the West Greenland cod stock after 1949. Although retired since October 1992, I found myself so heavily engaged in work on archiving materials on fisheries research in Greenland waters in the present century, that the work on this cod publication was delayed very much. I extend my sincere appreciation to STACPUB and the NAFO Secretariat for the considerations extended to me. I admire and I am thankful for the patience shown to me, and deeply indebted for editorial and technical help by T. Amaratunga.

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I would like to repeat here my great appreciation for valuable comments by international colleagues on the statistics first set up (Horsted, MS 1994), viz. to:

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Ralph K. Mayo, USA
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Antonio Vazquez, Spain

and to Jens Fynbo, former director of the Royal Greenland Trade Department, Copenhagen



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NOTICE

SYMPOSIUM Deep-sea Fisheries Symposium

Hosted by the Scientific Council of the Northwest Atlantic Fisheries Organization

12-14 September 2001 Varadero, Cuba

CALL FOR PAPERS

The Scientific Council of NAFO is pleased to announce this Symposium to be held in conjunction with the NAFO 23rd Annual Meeting in Varadero, Cuba, co-sponsored by NAFO, the International Council for the Exploration of the Sea (ICES), and the Commonwealth Scientific and Industrial Research Organization (CSIRO). The Symposium will be co-convened by J. A. Moore (NAFO – USA), J. D. M. Gordon (ICES – UK), T. Koslow (CSIRO – Australia), and organized by the NAFO Secretariat.

Deep-sea fishery resources are increasingly exploited in various places around the world. A worldwide trend exists towards increasing exploitation of deepwater fishery resources. This has raised a number of issues concerning both the biology and management of these resources. The purpose of this Symposium will be to discuss the available biological information and the issues in the management of deepwater fisheries. The Symposium will address deepwater resources around the world, those resources being ones typically fished at depths greater than 300 meters. Topics include the following:

- · Age, growth and reproduction of target species
- · Life histories and estimates of production
- Identification of stocks and environments
- · Impacts of fisheries on the target populations
- · By-catch and impacts of fisheries on habitats
- · Techniques and methods used in deepwater fisheries
- · Deep-sea crustacean and cephalopod fisheries
- · Policy and management of deep-sea resources, especially in international waters
- Sustainability of deep-sea fisheries

Structure:

The Symposium will be convened for three days. Papers will be presented in non-overlapping thematic sessions, and posters will be displayed throughout the meeting. Oral presentations will be 30 minutes, including a question period. On the last day, a session will be devoted to summarizing the major themes and conclusions of the Symposium.

Written work shall be presented in English and the meeting will be conducted in English.

Venue:

The Symposium will be held in Varadero, Cuba. Information on venue, hotels and other accommodation will be made available shortly.

Participation:

The Symposium is open to scientists, managers, policy-makers and all those with an interest in deep-sea fisheries. Those who may wish to attend the Symposium or contribute papers or posters are invited to contact the co-conveners or the NAFO Secretariat. There is no Symposium fee.

Papers and Posters:

Papers are invited on any of the above listed topics. Papers in other subject areas related to deepwater fisheries will also be considered. Posters will also constitute an important part of the Symposium. Contributions of posters are encouraged, and will be displayed daily throughout the Symposium. Papers and posters will be selected and placed in appropriate sessions on the basis of their relevance to the topics. Authors may submit both posters and papers.

Authors will be sent instructions on the format to follow in preparing their contributions upon receipt and acceptance of their abstracts.

Abstracts:

Abstracts of 250 words or less must be submitted for both posters and oral presentations. Electronic submission of abstracts to one of the co-conveners is acceptable and encouraged, provided all relevant contact information is furnished. All abstracts will be collated according to session and distributed to all participants.

A deadline of 1 March 2001 has been set for the provision of titles and abstracts. Authors will be notified of selected contributions by 15 March 2001. All papers and posters (prepared in a manuscript format) must be submitted to T. Amaratunga (NAFO Secretariat) by 5 September 2001.

Publication:

It is anticipated that the proceedings of this Symposium will be published in the Journal of Northwest Atlantic Fishery Science. The appointed Editors will review papers submitted to this volume for both content and style. Papers will also be considered from those submitting poster presentations. All authors will receive a complementary copy of the proceedings.

For further information, please contact one of the following. Further details and practical information will be supplied to intended participants.

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NOTICE

NAFO Scientific Council announces

a

Symposium

on

Elasmobranch Fisheries

in

September 2002

The Symposium will be held in conjunction with the NAFO 24th Annual Meeting

Further information from:

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NAFO Website: www.nafo.ca

Information for Preparing Manuscripts for NAFO Scientific Publications

Introduction

The manuscript should be in English. The sequence of the material should be: title page, Abstract, text including Introduction, Materials and Methods, Results, Discussion and Acknowledgements and References. Number all pages, including the title page, consecutively with arabic numbers in the center of the top margin. There is usually no page limitation or page charge for accepted publications.

Content of Manuscript

Title page

This page should contain the title, followed by the name(s) and address(es) of the author(s) including professional affiliation, and any related footnotes. The title should be limited to what is documented in the manuscript and be as concise as possible. Where necessary the scientific names of species should be included.

Abstract

An informative abstract must be provided, which does not exceed one double-spaced page or about 250 words, the ultimate length being dependent on the size of the manuscript. The abstract should concisely indicate the content and emphasis of the paper. It should begin with the main conclusion from the study and be supported by statements of relevant findings. The scientific names of species where necessary should be included here. It is important that the abstract accurately reflect the contents of the paper because it is often separated from the main body of the paper by abstracting and indexing services.

Text

In general, the text should be organized into Introduction, Materials and Methods, Results, Discussion, Acknowledgments and References. Authors should be guided by the organization of papers that have been published in the NAFO Journal or Studies and by such authorities as the Council of Biological Editors Style Manual (CBE, 9650 Rockville Pike, Bethesda, MD 20814, USA).

The **Introduction** should be limited to the purpose and rationale of the study. The article should begin with a clear description of the subject (include where necessary the scientific names of species), stating the hypothesis and/or defining the problem(s) the research was designed to solve. Define the time of the study, along with literature review and other information limited to what is relevant to the problem.

The **Materials and Methods** should provide the framework for obtaining answers to the problems which concern the purpose of the study. Describe in sufficient detail the materials and methods used so as to enable other scientists to evaluate the work or replicate the work.

The **Results** should answer the questions evolving from the purpose of the study in a comprehensive manner in an orderly and coherent sequence, with illustrative tables and figures. Ensure only relevant information is presented to substantiate the findings. Avoid any confusion between facts and inferences and the restatement of table and figure captions in the text.

The **Discussion** should give the main contributions from the study, with appropriate interpretation of the results focussing on the problem or hypothesis. Compare with those of other authors. Speculation should be limited to what can be supported with reasonable evidence. In the case of short papers, it may be useful to combine Results and Discussion to avoid repetition.

The **Acknowledgements** should be limited to the names of individuals who provided significant scientific and technical support, including reviews, during the preparation of the manuscript, and the names of agencies which provided financial support.

The **References** represents the list of references cited in the text listed alphabetically. Good judgment should be used in the selection of references, which should be restricted largely to significant published literature. Unpublished data and documents, manuscripts in preparation, and manuscripts awaiting acceptance to other journals may be noted in the text as unpublished data or personal communications, with full contact addresses.

Literature references cited in the text must be by author's surname and year of publication, e.g. (Collins, 1960). The surnames of two authors may be used in a citation, but, for more than two authors the citation should be (Collins et al., 1960). The citation of mimeographed manuscript reports and meeting documents should contain the abbreviation "MS", e.g. (Collins et al., MS 1960). All papers referred to in the text must be cited in the References alphabetically by the first author's surname and initials, followed by the initials and surnames of other authors, year of publication, full title of the paper, name of the periodical, volume and/or number, and range of pages. Abbreviations of periodicals should, if possible, follow the "World List of Aquatic Sciences and Fisheries Serials Titles", published periodically by FAO (Food and Agriculture Organization of the United Nations). References to monographs should, in addition to the author(s), year and title, contain the name and place of the publisher and the number of pages in the volume. Reference to a paper in a book containing a collection of papers should also contain the page range of the paper, name(s) of editor(s), and actual title of the book. The accuracy of all references and their correspondence with text citations is the responsibility of the author.

Comments on Tables and Figures

All Tables and Figures must be mentioned or discussed in the text. Tables and Figures must be numbered consecutively in arabic numerals, which correspond with the order of presentation in the text. The required position of the Tables and Figures in the text should be indicated in the left margin of the relevant page. Place the originals of Tables and Figures after the list of references.

Tables. Note a well constructed Table can eliminate elaborate text descriptions. Each Table should be carefully constructed to be easily read and understood. Each column and row must be concisely headed, ensuring relevant units of the values are given (usually within parentheses). Each Table should have a complete but concise descriptive heading, and should be on a separate sheets.

Figures. Note any reference to geographic areas relevant to the study should be shown in a Figure (or map) form giving coordinates. These and illustrations and photographs can eliminate elaborate text descriptions.

Each Figure should be carefully constructed and labelled to be easily read and understood. Each vertical and horizontal axis (e.g. *x* and *y* axes on a graph or latitude and longitudes on a map) must have a concise header with relevant units (usually within parentheses). Each Figure would have a complete but concise descriptive heading, and should be on a separate sheet.

When preparing figures, consideration should be given to details such as shading and lettering with respect to the effects of reduction in size to a page width (e.g. lettering should not be overbearing or too small). If oversized figures are necessary, only good quality page-size photocopies should be submitted. If the paper contains photographs, ensure they have good contrast whether they are in colour or black and white.

Mathematical equations and formulae must be accurately stated, with clear definitions of the various letters and symbols. If logarithmic expressions are used, the type of function (e.g. log, ln, log₁₀ or log_e) must be clearly indicated.

Manuscript Submission

NOTE: The following are the two major NAFO scientific publications, while the Scientific Council Research Documents (SCR Doc.) and Summary Document (SCS Doc.) are series that are submitted for meeting considerations.

The NAFO Secretariat now prefers to receive manuscript submissions, for any of the above publications in a

computer electronic form. Coloured Tables and Figures are now accepted.

The manuscript submissions may be done by e-mail (with a hard copy and diskette also forwarded by mail), or by mail (one hard copy and diskette). All texts, Tables and Figures should be formatted using Word or WordPerfect (Word is preferred), with each Table and Figure saved in a separate file (eps (preferably), tiff, pct, jpg, bmp or gif).

The Secretariat may request alternative formats as publication technologies develop.

Journal of Northwest Atlantic Fishery Science

The Journal provides a forum for the primary publication of original research papers. While it is intended to be regional in scope, papers of general applicability and methodology, irrespective of region, may be considered. Both practical and theoretical papers are eligible. Space is also provided for notes, letters to the editor and notices.

Such manuscripts are considered for publication with the understanding that the content is unpublished and is not being submitted elsewhere for publication. Each manuscript is assigned to an Associate Editor of the Journals Editorial Board, for scientific editing. Papers are normally sent by the Associate Editors to two referees for appraisal regarding its suitability as a primary article.

NAFO Scientific Council Studies

The Studies publishes papers which are of topical interest and importance to the current and future activities of the Scientific Council, but which are not considered to be sufficiently high quality to meet the standards for primary publication in the Journal. Such papers have usually been presented as research documents at Scientific Council meetings and nominated for publication by the Standing Committee on Publications. These manuscripts are not normally refereed but undergo critical scrutiny by the Studies editor and by an expert familiar with the subject matter selected from the Journal editorial board.

Manuscripts (one hard copy and one copy saved on a computer diskette) being submitted should be addressed to:

Assistant Executive Secretary Northwest Atlantic Fisheries Organization P. O. Box 638 Dartmouth, Nova Scotia Canada B2Y 3Y9

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Scientific Publications of the Northwest Atlantic Fisheries Organization

Journal of Northwest Atlantic Fishery Science

The Journal provides an international forum for the primary publication of original research papers on fisheries science in the Northwest Atlantic, with emphasis on environmental, biological, ecological and fishery aspects of the living marine resources and ecosystems. (Scientific publications during ICNAF times are available at the Secretariat).

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|------------------|---|---|
| Vol. 2 | | Miscellaneous papers, (10), October 1981, 76 pp. |
| | | Miscellaneous papers, (17), May and December 1982, 180 pp. |
| Vol. 4 | | Special issue Guide to the Early Stages of Marine Fishes Occurring in the Western North Atlantic Ocean, Cape Hatteras to the Southern Scotian Shelf, July 1983, 424 pp. |
| Vol. 5, No. 1, 2 | _ | Miscellaneous papers, (26), January and November 1984, 224 pp. |
| Vol. 6, No. 1, 2 | _ | Miscellaneous papers, (17), June and December 1985, 179 pp. |
| Vol. 7, No. 1, 2 | _ | Miscellaneous papers, (18), December 1986 and December 1987, 177 pp. |
| Vol. 8 | _ | Miscellaneous papers, (7), December 1988, 88 pp. |
| Vol. 9 | _ | Miscellanous papers, (13), September and December 1989, 159 pp. |
| Vol. 10 | - | Special issue, (1), <i>The Delimitation of Fishing Areas in the Northwest Atlantic</i> , December 1990, 57 pp. |
| Vol. 11 | _ | Miscellaneous papers, (7), February 1991, 80 pp. |
| Vol. 12 | _ | Miscellaneous papers, (7), January 1992, 84 pp. |
| Vol. 13 | _ | Miscellaneous papers, (7), December 1992, 114 pp. |
| Vol. 14 | _ | Symposium papers, (12), on Changes in Biomass, Production and Species Composition of the Fish Populations in the Northwest Atlantic over the Last 30 Years, and Their Possible Causes, December 1992, 160 pp. |
| Vol. 15 | _ | Special issue, (1), Decapod Crustacean Larvae from Ungava Bay, December 1993, 170 pp. |
| Vol. 16 | | Miscellaneous papers, (7), July 1994, 100 pp. |
| Vol. 17 | _ | Miscellaneous papers, (6), October 1994, 78 pp. |
| Vol. 18 | | Miscellaneous papers, (6) (1 Note), April 1996, 115 pp. |
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| Vol. 21 | _ | Miscellaneous papers, (5), April 1997, 83 pp. |
| Vol. 22 | - | Symposium papers, (25) (1 Note), on <i>The Role of Marine Mammals in the Ecosystem</i> , December 1997, 387 pp. |
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| Vol. 26 | _ | Miscellaneous papers, (6), December 2000, 145 pp. |
| Vol. 27 | - | Symposium papers (22) (1 Note), Pandalid Shrimp Fisheries – Science and Management at the Millennium, December 2000, 289 pp. |
| Vol. 28 | - | Special issue, (1), A Review of the Cod Fisheries at Greenland, 1910–1995, December 2000, 121 pp. |

NAFO Scientific Council Studies

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- No. 3 Miscellaneous papers, (8), April 1982, 82 pp.
- No. 4 Special Session papers, (12), on Remote-Sensing Applications to Fishery Science, September 1982, 98 pp.

1993

NAFO Scientific Council Studies (Continued)

- Symposium papers, (12), on Environmental Conditions in 1970-79, December 1982, 114 pp.
- No. 6 Miscellaneous papers, (8), December 1983, 104 pp.
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- No. 11 Miscellaneous papers, (11), March 1987, 127 pp.
- No. 12 Miscellaneous papers, (8), March 1988, 90 pp.
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- No. 14 Miscellaneous papers, (6), May 1990, 74 pp.
- No. 15 Miscellaneous papers, (7), May 1991, 68 pp.
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- No. 18 Symposium papers, (18), on Changes in Abundance and Biology of Cod Stocks and Their Possible Causes, July 1993, 110 pp.
- No. 19 Miscellaneous papers, (8), October 1993, 98 pp.
- No. 20 Miscellaneous papers, (7), February 1994, 114 pp.
- Collections of Papers, (10), Related to Northern Cod and Seals in NAFO Divisions 2J and 3KL, No. 21 December 1994, 165 pp.
- No. 22 Miscellaneous papers, (6), May 1995, 95 pp.
- No. 23 Miscellaneous papers, (5), September 1995, 95 pp.
- No. 24 Symposium papers, (12), on Impact of Anomalous Oceanographic Conditions at the Beginning of the 1990s in the Northwest Atlantic on the Distribution and Behaviour of Marine Life, September 1994, 155 pp.
- No. 25 Collection of Papers, (5), Flemish Cap Selected Environmental and Other Papers, July 1996, 91 pp.
- No. 26 Selected Papers, (11), (2 Notes), on Harp and Hooded Seals, December 1996, 129 pp.
- No. 27 Miscellaneous papers, (5), (1 Note), December 1996, 81 pp.
- No. 28 Special Session papers, (6), on Assessment of Groundfish Stocks Based on Bottom Trawl Survey Results, December 1996, 105 pp.
- Selected Papers, (11), Selected Studies Related to Assessment of Cod in NAFO Divisions 2J+3KL, May No. 29 1997, 125 pp.
- No. 30 Miscellaneous papers, (9), December 1997, 117 pp.
- No. 31 Miscellaneous papers, (8), December 1998, 165 pp.
- No. 32 Miscellaneous papers, (8), April 1999, 133 pp.
- No. 33 Miscellaneous papers, (7), May 2000, 135 pp.

NAFO Scientific Council Reports

This publication contains reports of Scientific Council Meetings held through each year since NAFO replaced ICNAF. (The comparable publication during ICNAF was called the *Redbook*).

- 1980 Reports of seven meetings in 1979 and 1980, Published December 1980, 190 pp.
- 1981 Reports of four meetings in 1981, Published December 1981, 148 pp.
- 1982 Reports of two meetings in 1982, Published December 1982, 110 pp.
- 1983 Reports of three meetings in 1983, Published December 1983, 152 pp.
- 1984 Reports of three meetings in 1984, Published December 1984, 126 pp.
- 1985 Reports of three meetings in 1985, Published December 1985, 146 pp.
- 1986 Reports of three meetings in 1986, Published December 1986, 156 pp.
- Reports of three meetings in 1987, Published December 1987, 138 pp. 1987 1988 Reports of two meetings in 1988, Published December 1988, 150 pp.
- 1989 Reports of two meetings in 1989, Published December 1989, 180 pp.
- 1990 Reports of two meetings in 1990, Published December 1990, 188 pp.
- Reports of two meetings in 1991, Published December 1991, 164 pp. 1991
- 1992 Reports of four meetings in 1992, Published December 1992, 212 pp.
- Reports of three meetings in 1993, Published January 1994, 234 pp. 1994 Reports of four meetings in 1994, Published January 1995, 234 pp.
- 1995 Reports of three meetings in 1995, Published January 1996, 244 pp.

NAFO Scientific Council Reports (Continued)

| 1996 | _ | Reports of three meetings in 1996, Published January 1997, 226 pp. |
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| 1997 | _ | Reports of three meetings in 1997, Published January 1998, 274 pp. |
| 1998 | _ | Reports of three meetings in 1998, Published January 1999, 257 pp. |
| 1999 | _ | Report of four meetings in 1999, Published January 2000, 327 pp. |
| 2000 | _ | Report of four meetings in 2000, Published January 2001, 303 pp. |

NAFO Statistical Bulletin

This publication replaced *ICNAF Statistical Bulletin* which terminated with Vol. 28 (revised). The volume numbering continues the series as the *NAFO Statistical Bulletin*.

- Vol. 29 Fishery statistics for 1979, Originally published July 1981; revised edition published November 1984, 290 pp.
 Vol. 30 Fishery statistics for 1980, Originally published August 1982; revised edition published October 1984,
- 280 pp.
- Vol. 31 Fishery statistics for 1981, Originally published September 1983; revised edition published March 1985, 276 pp.
- Vol. 32 Fishery statistics for 1982, Published December 1984, 284 pp.
- Vol. 33 Fishery statistics for 1983, Published December 1985, 280 pp.
- Vol. 34 Fishery statistics for 1984, Published December 1986, 304 pp.
- Vol. 35 Fishery statistics for 1985, Published December 1987, 322 pp.
- Vol. 36 Fishery statistics for 1986, Published October 1989, 304 pp.
- Vol. 37 Fishery statistics for 1987, Published April 1990, 295 pp.
- Vol. 38 Fishery statistics for 1988, Published February 1991, 307 pp.
- Vol. 39 Fishery statistics for 1989, Published February 1993, 300 pp.
- Vol. 40 Fishery statistics for 1990, Published February 1994, 309 pp.
- Vol. 41 Fishery statistics for 1991, Published February 1995, 318 pp.
 - Statistical Bulletin Supplementary Issue, 1960-90, (statistics) Published April 1995, 156 pp.
- Vol. 42 Fishery statistics for 1992, Published October 1995, 310 pp.
- Vol. 43 Fishery statistics for 1993, Published December 1997, 329 pp.
- Vol. 44 Fishery statistics for 1994, Published December 2000, 201 pp.

NAFO List of Fishing Vessels

This triennial publication replaced *ICNAF List of Fishing Vessels* which terminated with the 1977 list in April 1980. The NAFO publication was also discontinued after the 1989 list in January 1992.

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      1980
      –
      List for 1980, Published March 1983, 48 pp.

      1983
      –
      List for 1983, Published April 1985, 43 pp.

      1986
      –
      List for 1986, Published July 1988, 48 pp.

      1989
      –
      List for 1989, Published January 1992, 44 pp.
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Inventory of Sampling Data

This publication replaced ICNAF Inventory of Sampling Data 1967-1978 which was completed in 1986.

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Inventory of Sampling Data 1979–1984, Published April 1989, 250 pp. Inventory of Sampling Data 1985–1989, Published March 1993, 265 pp. Inventory of Sampling Data 1990–1994, Published October 1999, 287 pp.
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NAFO Index of Meeting Documents

This publication contains lists of all documents along with a subject and author index of the NAFO Scientific Council documents issued during 5-year periods.

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1979-84 - Index of Meeting Documents, Published March 1985, 146 pp.
1985-89 - Index of Meeting Documents, Published December 1990, 116 pp.
1990-94 - Index of Meeting Documents, Published November 1995, 139 pp.
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