# NEW ENGLAND HADDOCK FISHERY BIOSTATISTICS--1956 


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.

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by

John R. Clark and Frank A. Dreyer


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# NEW ENGLAND HADDOCK FISHERY BIOSTATISTICS--1956 

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## ABSTRACT


#### Abstract

A statistical review of the haddock fishery of New England banks (Subarea 5 of the International Commission for the Northwest Atlantic Fisheries) is presented for the 1956 haddock year. Estimates of total fishery removals are given for scrod and large haddock, both landed and discarded at sea, by month and area of capture. The estimated age and length compositions of the total haddock discard for 1956 are given. Age and length compositions are estimated by month for haddock landed from Georges Bank (ICNAF Subdivision $5 Z$ ) and by season for haddock landed from the Gulf of Maine (Subdivision 5Y). Fishing effort and abundance estimates are given for Georges Bank by month.


## INTRODUCTION

The haddock (Melanogrammus aeglefinus) is a gadoid fish that inhabits the Continental and Island Shelves of the North Atlantic Ocean. Although a close ecological associate of the cod, haddock are found in abundance neither so far south nor so far north. Along the North American coast the species is fished commercially from Cape Cod to the Grand Bank and in the Gulf of St. Lawrence.

This study is restricted to the fishing grounds of the Gulf of Maine, the Great South Channel, Georges Bank, and the Southern New England shelf. These grounds make up Subarea 5 (Subdivision 5 Y and 5 Z ) as defined by the International Commission for the Northwest Atlantic Fisheries (ICNAF) sta-

[^0]tistical system (fig. 1). At present, only the United States fishes haddock extensively on these grounds; Canada takes only small quantities from $5 Y$.

Extensive studies of the New England haddock fishery and of the biology and habits of the species have beencarried out since 1931. The biostatistical data resulting from these studies have been utilized in many publications and in forming the basis for international regulation of the haddock fishery through control of mesh size (Graham, 1952). The world-wide interest in the effect of the regulation and in many other aspects of the research program has led to an increasing demand for publication of the basic biostatistical data for New England haddock. To answer this demand, a regular series of biostatistical reports is planned.

The responsibility for studies of the Canadian and U. S. haddock fisheries throughout the Northwest Atlantic are


Figure 1.--Statistical Subdivisions of New England fishing grounds as defined by the International Commission for the Northwest Atlantic Fisheries.
shared by the two countries through a cooperative program sponsored by ICNAF. At present, the principal responsibility for the biostatistical program for ICNAF Subdivisions $4 \mathrm{X}, 5 \mathrm{Y}$, and $5 Z$ is carried by the Bureau of Commercial Fisheries, Biological Laboratory at Woods Hole. Responsibility for Subdivisions 4 R to 4 W is carried by the St. Andrews Biological Station and for all of Subarea 3 by the St. John's Biological Station, both of the Fisheries Research Board of Canada. Haddock data and material collected by the agencies outside their respective areas of responsibility are exchanged at intervals.

The present report gives, in as much detail as practicable, a summary of the total removals of haddock from Subdivisions 5 Y and 5 Z during the 1956 haddock year. A basic account of the methods used in deriving the estimates is given by Schuck (1951).

The data are arranged by "haddock year" to conform most nearly to the seasonal physiological cycle of the fish. The haddock year differs from a calendar year by one month; i. e., it commences February $l$ and ends January 31 of the following year. The seasonal arrangement of the haddock year devised by Schuck is used herein and is shown below:

Spring February, March, April
Summer May, June, July
Fall August, September, October
Winter November, December, January
To permit maximum usefulness of the data, Subdivision $5 Y$ has been divided into northern and southern sections, and $5 Z$ into eastern and western sections.

Most haddock caught are landed and sold for human consumption and these shall be of primary concern. However, two other categories of removals from the stock shall be considered: haddock too small to be marketed which are discarded at sea, and haddock taken in the industrial fishery.

## FISHING METHODS

Otter trawls accounted for over 98 percent of the $U$. S. landings from 5 Y and 5 Z in 1956, the remainder being taken by handlines, longlines, and gill nets. Approximately 86 trawlers were engaged in the U. S. haddock fishery during 1956. About 35 of these were large otter trawlers (gross tonnage of 151 to 360 tons) which can easily range some 600 miles from port. The remainder were mostly medium trawlers (gross tonnage of 51 to 150 tons) which usually range no more than 300 miles from port. The few smaller trawlers engaged in haddock fishing usually range no farther than 75 miles from port. U. S. line trawlers, handliners, and gill netters mostly make l-day trips. They do not venture far from their home ports and, consequently, fish only in the western parts of Subdivisions 5 Y and $5 Z$.

## THE CATCH

Haddock catches are nearly always separated (culled) into market categories of large and scrod. Large haddock weigh more than $2-1 / 2$ pounds (gutted) and scrod haddock weigh from 1-1/2 to 2-1/2 pounds. Undersized haddock, those smaller than $1-1 / 2$ pounds, are presumably discarded at sea because they are not of marketable size. This definition of market categories provides only an approximate standard and, in practice culling procedures varyconsiderably, particularly in response to changes in the relative price or abundance of large and scrod.

When undersized haddock (as small as $3 / 4$ pound) are landed, they are marketed as scrod and thus included in landings statistics with scrod. The occurrence of undersized haddock in the landings has been negligible since the advent of the ICNAF meshregulation in 1953.

The catch is culled by the fishermen before landing at the ports of Boston and Gloucester. Dealers typically cull the landings at other U. S. ports. Haddock are nearly always gutted by the
fishermen at sea before landing. Small scrod haddock are occasionally landed "in the round" when unusually abundant.

Information on source of landings (area of capture) and fishing effort expended is obtained primarily from interviews with the captains or mates of the vessels. Landing and selling procedures are well-enough organized in Boston, where 80 percent of $U$. S. landings are received, to permit agents to obtain interviews of all trawler trips. The proportion of trips landed in other New England ports that are interviewed varies depending upon many circumstances of the landing procedure and the time of year, but averages about 70 to 75 percent. Landings from non-interviewed trips are assigned to area of capture on the basis of records from interviewed trips and incidental information obtained by the agents. Descriptions of interviewing procedure at New England ports are given by Rounsefell (1948 and 1957) and the haddock fishing grounds are outlined by Schuck (1952).

## Discarded Portion

In some fisheries the portion discarded at sea by fishermen amounts to a substantial proportion of the total catch. Herrington (1936) estimated that $63 \mathrm{~m}: 11$ ion small fish were discarded annually on Georges Bank alone during the early l930's. The discard has been much less of recent years, particularly since the advent of mesh regulation; slightly over 400,000 small haddock were discarded on Georges Bank in 1956. Although the portion of the total catch consisting of discards is small at present, we have recordedit in order to make this study inclusive of all sources of removals.

The amounts discarded at sea are determined from fishermen's estimates obtained during interviews as described by Premetz (1954). Only Boston trawlers fish extensively on New England grounds in areas where small haddock are abundant. Small amounts of discard have been reported occasionally at New Bedford, but very rarely at other ports.

The total reported amount of discard for Subarea 5 is given in table 1 by month and subarea. No discard was reported for Subdivision 5 Y in 1956. Most of the discard was accounted for by six vessels that were licensed to continue fishing with trawls having the small preregulation size meshes to serve as a control fleet in determining the benefit of the ICNAF mesh regulation (Clark, 1955).

## Landed Portion

Quantities of haddock landed are obtained by statistical agents from dealer's records. The statistics collecting systems employed are adequate to guarantee a nearly complete summation of commercial landings of had: dock for human consumption.

Total landings of haddock are listed in tables 2 a and 2 b by month, market size category, and statistical areaunits (see Rounsefell, 1948, for basis of establishing these area-units as shown in fig. 2). The landings are summarized by East and West sections for 5 Z and North and South sections for 5 Y in conformance with known differences in stock composition and fishing fleet composition.

Quantities landed are expressed in gutted weight to conform with usual reporting procedures. Infrequent landings of haddock "in the round" are converted to gutted weight by the factor 0.855 . We have included only those haddock landed for direct human consumption. Haddock landed for human consumption are nearly always separated from other species and recorded and sold as haddock. Consequently, the total quantities of haddock landed for human consumption can usually be determined without risk of error caused by mixture with other species. However, one market situation exists that has not permitted identification of haddock. This involves a fishery for mixed groundfish at Gloucester, Mass., wherein fish are iced and boxed at sea and unloaded at irregular hours directly into trucks for shipment to New York. Species composition cannot be


Figure 2.--Statistical area-units of ICNAF Subarea 5 as defined by Rounsefell, 1948.
determined and such landings have appeared in statistical records only as "mixed" fish.

Since species taken in the industrial (trash) fishery are not recorded separately in normal commercial practice, we must rely on estimates from samplings of the landings. From available sampling data (Edwards, 1958), we can derive an estimated 400,000 pounds of haddock in industrial landings for Gloucester and 13,000 pounds for New Bedford for the 1956 haddock year. No sampling data are available for the Cape Cod, Mass., and Maine industrial fisheries in which some haddock are taken. The total estimate of 413,000 pounds landed is thus a minimal figure.

The 1956 industrial fishery landings of haddock can be divided into areas of capture approximately as follows:

| Statistical <br> area-units | Landings <br> (pounds) |
| :---: | :---: |
| E | 280,000 |
| G | 120,000 |
| R | 13,000 |

## LENGTH COMPOSITION OF CATCH

Length composition is determined by sampling procedures based upon sample lots consisting of 50 scrod or 100 large haddock selected at random from the landings. The lengths given herein represent the distance from tip of snout to the end of the median ray of the caudal fin (fork length). The measurements are recorded to the "centimeter below'; e.g., all fish from 39.0 to 39.9 are assigned to the 39 cm . interval. To obtain the true midpoint of the cm . interval, a correction of +0.5 cm . must be added.

The standard procedure for estimating the length composition of haddock landings from each statistical areaunit is as follows:
(1) Weight of sample is determined from the average weights of fish of each length for the period involved (month, season, etc.). Length-weight tables for various ICNAF subdivisions are given by Clark and Dietsch (1959).
(2) Weight of the landings is divided by the weight of the sample to obtain a factor representing the proportion of the landings which was sampled.
(3) Number of fish of each length in the sample is then multiplied by the factor obtained to estimate the total length composition for the landings.

The market categories of large and scrod are handled separately in the above procedure.

## Discarded Portion

Samples were obtained at sea throughout 1956 aboard Bosṭon large otter trawlers for the purpose of estimating the composition of the haddock discard. In all, 16 sampling trips were made during which 21,500 haddock were measured. The length estimates for total discard for 1956 in 5Z East and West are summarized in table 3.

## Landed Portion

Length data for landed haddock were obtained by agents stationed at all major New England ports: Boston, Gloucester, New Bedford, Mass., and Rockland and Portland, Maine. The primary job of these agents was to interview trawler captains and sample catches of species taken in the otter trawl fishery. The composition of the trawler fleets and their fishing practices and areas of operation varied greatly from port to port, but the sampling coverage was sufficient to provide an adequate representation of the landings from each of our four
areas--Subdivisions 5 Y North and South and $5 Z$ East and West. A summary of samples of landed haddock is given in table 4.

Length compositions for 5 Z are given in tables 5 to 17 for East and West sections by months and insummary for the haddock year. The data are given by month to serve the purposes of evaluation of the ICNAF mesh regulation. The figures given in these and the following tables on length and age composition of the landings are estimated total numbers of haddock of each length removed for human consumption by the entire fishery in the 1956 haddock year.

Length compositions for 5 Y are given in tables 18 to 22 for North and South sections by seasons and in summary for the haddock year. The 5Y data are summarized by seasons to conserve space because a detailed monthly breakdown is not required as it is for subarea $5 Z$ which supports a fishery that is much larger and has been under intensive study since 1931 and under regulation since 1953.

Too few samples were obtained from the industrial fishery to permit deriving length compositions of these landings.

## AGE COMPOSITION OF CATCH

Haddock ages listed herein have been estimated from examination of scales taken from an area below the lateral line behind the second anal fin. The technique adopted is the usual one used in reading scales--the narrow bands of circuli which are formed during each winter are counted to estimate the age of the fish. In conformance with past studies, February 1 is used as the standard birth date for all haddock. All fish older than 8 years are combined into the single category $9+$. The methods used have been shown to provide reliable estimates of age for haddock at least through age 5. There is some evidence that the estimates for older fish, particularly those 8 years and older, may be less reliable but these older fish form a negligible part of the
removals. Detailed discussions of age reading techniques for haddock and problems of reliability are given by Arnold (1951), Clark (1958), Jensen and Clark (1958), and Kohler and Clark (1958).

Sample lots consist of the scales from 20 large or 15 scrod taken using a stratified random sample design.

The general method for determining age composition of the various units of removals is as follows:
(1) The readings from scrod and large haddock, for each statistical area are summarized separately by length and age, and the percentage age distribution of each length is calculated.
(2) The number of fish of each length for the statistical area is broken down into numbers of each age for that length on the basis of the percentage representation of ages at each length in the sample.
(3) Haddock and scrod compositions are then added directly together to obtain the total age-length composition for the landings from each statistical area.

This procedure is modified for $5 Z$ where we have determined a combined age proportion for each season and used it to break down the length frequency for each month of that season.

## Discarded Portion

Age compositions of discarded haddock have been estimated from scales obtained during the 16 sampling trips aboard commercial trawlers. Scales from 255 discard haddock were collected in 1956. Age compositions of the discard for $5 Z$ East and West are given in table 23. The figures represent total reported discard of haddock from Subarea 5 , since none were reported from 5 Y .

## Landed Portion

Age compositions for Subdivision 5Z for each month of the 1956 haddock year are given in tables 24 to 62 , separately
for East and West sections andin summary for both sections.

Age compositions for 5 Y for each season of the 1956 haddock year are given in tables 63 to 77, separately for North and South sections and in summary for both sections. The data are presented by $3-\mathrm{cm}$. groups for economy of space since, as previously mentioned, the 5 Y material does not require such detailed presentation as that for $5 Z$.

The estimates given represent the total removals landed by the fishery for human consumption.

## ABUNDANCE AND EFFORT

We have since 1931 routinely prepared estimates of haddock abundance and fishing effort for Subdivision $5 Z$. The methods for deriving these estimates are set forth in detail by Rounsefell (1957). Briefly, the procedure consists of deriving the catch per day's fishing for a standardized group of large otter trawlers. Total landings are then divided by the standard catch per day to estimate total effort in terms of standard trawler days fished. This procedure is not applicable to the 5 Y fishery since the haddock fisherythere is of an entirely different nature being largely secondary to fisheries for other species and conducted by smaller and medium trawlers.

The estimates for $5 Z$ are given in table 78 by month for East and West sections and in summary for the whole subdivision. It will be noticed that the sums of the individual "days fished" entries for months do not agree with seasonal totals. This is because these are calculated effort figures and have been done separately for each month and season.

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Table 1.--Haddock discarded at sea, Subarea 5, 1956 Haddock Year, in hundreds of pounds

| Month | Subdivision ${ }^{\text {1/ }}$ |  |  |
| :---: | :---: | :---: | :---: |
|  | 5Z, East | 5Z, West | Total |
| February | 214 | -- | 214 |
| March | 60 | -- | 60 |
| April | 14 | - | 14 |
| May | 155 | 340 | 495 |
| June | 134 | 310 | 444 |
| July | 374 | 125 | 499 |
| August | 610 | 3 | 613 |
| September | 288 | 80 | 368 |
| October | 285 | 40 | 325 |
| November | 189 | 100 | 289 |
| December | 277 | 79 | 356 |
| January | 130 | 9 | 139 |
| Total | 2,730 | 1,086 | 3,816 |

1/ No discard was reported for Subdivision 5 Y .

Table 2a. --Landings by statistical area-units, 1956 Haddock Year, Subdivision 5 Y , hundreds of pounds, gutted weight


Summaries:
5Y, No. - No. Gulf of Me. (B, C, D)

| Srod | 4,286 | 6,451 | 8,286 | 19,023 | 2,204 | 1,503 | 1,312 | 5,019 |
| :---: | :---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| Large | 7,062 | 8,505 | 9,259 | 24,826 | 3,475 | 1,741 | 1,613 | 6,829 |
| Total | 11,348 | 14,956 | 17,545 | 43,849 | 5,679 | 3,244 | 2,925 | 11,848 |
|  |  |  |  |  |  |  |  |  |
| 5Y, So. -So. Gulf of Me. (E, F) |  |  |  |  |  |  |  |  |
| Scrod | 1,595 | 7,718 | 2,437 | 11,750 | 675 | 955 | 1,316 | 2,846 |
| Large | 3,335 | 9,490 | 2,710 | 15,535 | 825 | 2,976 | 3,064 | 6,865 |
| Total | 4,930 | 17,208 | 5,147 | 27,285 | 1,500 | 3,831 | 4,380 | 9,711 |
|  |  |  |  |  |  |  |  |  |

Table 2a. --Landings by statistical area-units, 1956 Haddock Year, Subdivision 5 Y , hundreds of pounds, gutted weight (continued)

| Area-unit and market size category | Aug. | $\begin{aligned} & \text { Fall } \\ & \text { Sept. } \end{aligned}$ | Oct. | Total | Nov. | Wint Dec. | Jan. | Total | $\begin{gathered} \text { All } \\ \text { seasons } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Eastern Maine (B) |  |  |  |  |  |  |  |  |  |
| Scrod | 95 | 283 | 39 | 417 | -- | -- | 4 |  | 2,424 |
| Large | 287 | 219 | 61 | 567 | -- | -- | 1 | 1 | 2,197 |
| Total | 382 | 502 | 100 | 984 | -- | -- | 5 | 5 | 4,621 |
| Central Maine (C) |  |  |  |  |  |  |  |  |  |
| Scrod | 48 | 181 | 396 | 625 | 30 | 64 | 108 | 202 | 2, 138 |
| Large | 107 | 245 | 576 | 928 | 68 | 208 | 567 | 843 | 4,075 |
| Total | 155 | 426 | 972 | 1,553 | 98 | 272 | 675 | 1,045 | 6,213 |
| Western Maine (D) |  |  |  |  |  |  |  |  |  |
| Scrod | 652 | 71 | 155 | 878 | 271 | 267 | 722 | 1,260 | 22,866 |
| Large | 1,195 | 473 | 501 | 2,169 | 526 | 755 | 1, 087 | 2, 368 | 32, 259 |
| Total | 1,847 | 544 | 656 | 3, 047 | 797 | 1,022 | 1,809 | 3,628 | 55, 125 |
| Eastern Mass. (E) |  |  |  |  |  |  |  |  |  |
| Scrod | 491 | 592 | 2,627 | 3,710 | 1,156 | 1,520 | 811 | 3,487 | 17,491 |
| Large | 778 | 896 | 1,523 | 3,197 | 454 | 363 | 252 | 1, 069 | 20, 149 |
| Total | 1,269 | 1,488 | 4,150 | 6,907 | 1,610 | 1,883 | 1,063 | 4,556 | 37, 640 |
| Inner Grounds ( F ) |  |  |  |  |  |  |  |  |  |
| Scrod | 1,479 | 862 | 2, 472 | 4, 813 | 348 | 343 | 319 | 1,010 | 10,125 |
| Large | 5,185 | 1,512 | 4,263 | 10,960 | 1,214 | 486 | 796 | 2,496 | 19,973 |
| Total | 6,664 | 2, 374 | 6,735 | 15,773 | 1,562 | 829 | 1,115 | 3,506 | 30, 098 |

Summaries:

| 5Y, No. - No. Gulf of Me. (B, C, D) |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| Scrod | 795 | 535 | 590 | 1,920 | 301 | 331 | 834 | 1,466 | 27,428 |
| Large | 1,589 | 937 | 1,138 | 3,664 | 594 | 963 | 1,655 | 3,212 | 38,531 |
| Total | 2,384 | 1,472 | 1,728 | 5,584 | 895 | 1,294 | 2,489 | 4,678 | 65,959 |
|  |  |  |  |  |  |  |  |  |  |
| 5Y, So. | So. Gulfof Me. (E, F) |  |  |  |  |  |  |  |  |
| Scrod | 1,970 | 1,454 | 5,099 | 8,523 | 1,504 | 1,863 | 1,130 | 4,497 | 27,616 |
| Large | 5,963 | 2,408 | 5,786 | 14,157 | 1,668 | 849 | 1,048 | 3,565 | 40,122 |
| Total | 7,933 | 3,862 | 10,885 | 22,680 | 3,172 | 2,712 | 2,178 | 8,062 | 67,739 |

Table 2b.--Landings by statistical area-units, 1956 Haddock Year, Subdivision $5 Z$, hundreds of pounds, gutted weight

| Area-unit and market size category | Feb. | $\begin{gathered} \text { Spring } \\ \text { Mar. } \\ \hline \end{gathered}$ | April | Total | May S | ummer <br> June | July | Total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Northern Edge (J) |  |  |  |  |  |  |  |  |
| Scrod | 6,941 | 4,482 | 2,663 | 14,086 | 5,771 | 14,910 | 22,759 | 43, 440 |
| Large | 12, 226 | 6,874 | 2,967 | 22, 067 | 4,952 | 9,630 | 11, 042 | 25,624 |
| Total | 19,167 | 11,356 | 5,630 | 36,153 | 10,723 | 24,540 | 33,801 | 69, 064 |
| Southeast Part (M) |  |  |  |  |  |  |  |  |
| Scrod | 15,742 | 16,944 | 1,119 | 33, 805 | 12,259 | 2,932 | 5,915 | 21,106 |
| Large | 23,733 | 22,521 | 1,028 | 47,282 | 8,778 | 1,273 | 2,576 | 12,627 |
| Total | 39,475 | 39,465 | 2,147 | 81,087 | 21,037 | 4,205 | 8,491 | 33,733 |
| West Channel (G) |  |  |  |  |  |  |  |  |
| Scrod | 5,485 | 9,265 | 2,953 | 17,703 | 4,800 | 7,586 | 6,823 | 19,209 |
| Large | 8,458 | 10,419 | 3,927 | 22,804 | 6,854 | 9, 743 | 13,308 | 29,905 |
| Total | 13,943 | 19,684 | 6,880 | 40,507 | 11,654 | 17,329 | 20,131 | 49, 114 |
| East Channel (H) |  |  |  |  |  |  |  |  |
| Scrod | 3,395 | 1,442 | 7,478 | 12,315 | 16,628 | 20,927 | 4,586 | 42, 141 |
| Large | 5,842 | 1, 042 | 6,399 | 13,283 | 23,554 | 32, 741 | 10,152 | 66, 447 |
| Total | 9,237 | 2,484 | 13,877 | 25,598 | 40, 182 | 53,668 | 14,738 | 108,588 |
| Southwest Part (N) |  |  |  |  |  |  |  |  |
| Scrod | 383 | 702 | 1,769 | 2,854 | 6,445 | 3,018 | 1,364 | 10,827 |
| Large | 579 | 499 | 1,420 | 2, 498 | 6,651 | 3,621 | 777 | 11, 049 |
| Total | 962 | 1,201 | 3,189 | 5,352 | 13,096 | 6,639 | 2,141 | 21,876 |
| Nantucket (O) |  |  |  |  |  |  |  |  |
| Scrod | 375 | 153 | 101 | 629 | 1,638 | 2,188 | 1,258 | 5, 084 |
| Large | 151 | 77 | 80 | 308 | 990 | 1,613 | 684 | 3,287 |
| Total | 526 | 230 | 181 | 937 | 2,628 | 3,801 | 1,942 | 8,371 |
| Southern N. E. (Q, R, S, T) |  |  |  |  |  |  |  |  |
| Scrod | 46 | 178 | 38 | 262 | 50 | 73 | 45 | 168 |
| Large | 35 | 74 | 460 | 569 | 317 | 347 | 71 | 735 |
| Total | 81 | 252 | 498 | 831 | 367 | 420 | 116 | 903 |
| Summaries: |  |  |  |  |  |  |  |  |
| 5Z, E.-E. | orges (J | , M) |  |  |  |  |  |  |
| Scrod | 22,683 | 21,426 | 3,782 | 47, 891 | 18,030 | 17,842 | 28,674 | 64,546 |
| Large | 35,959 | 29,395 | 3,995 | 69, 349 | 13,730 | 10,903 | 13,618 | 38,251 |
| Total | 58,642 | 50,821 | 7,777 | 117,240 | 31,760 | 28,745 | 42,292 | 102,797 |
| 5Z, W. -W. Georges (G, H, N, O, Q, R, S, T) |  |  |  |  |  |  |  |  |
| Scrod | 9,684 | 11,740 | 12,339 | 33,763 | 29,561 | 33,792 | 14,076 | 77,429 |
| Large | 15,065 | 12, 111 | 12, 286 | 39, 462 | 38, 366 | 48, 065 | 24,992 | 111,423 |
| Total | 24,749 | 23,851 | 24,625 | 73,225 | 67,927 | 81,857 | 39,068 | 188,852 |
| All Areas (Tables 2a, 2b) |  |  |  |  |  |  |  |  |
| Scrod | 38,248 | 47,335 | 26,844 | 112,427 | 50, 470 | 53,992 | 45, 378 | 149, 840 |
| Large | 61,421 | 59,501 | 28, 250 | 149, 172 | 56,396 | 63,685 | 43,287 | 163,368 |
| Total | 99,669 | 106,836 | 55,094 | 261,599 | 106,866 | 117,677 | 88,665 | 313,208 |

Table 2b. --Landings by statistical area-units, 1956 Haddock Year, Subdivision $5 Z$, hundreds of pounds, gutted weight (continued)

| Area-unit and market size category | Aug. | $\begin{gathered} \text { Fall } \\ \text { Sept. } \end{gathered}$ | Oct. | Total | Nov. | Winter Dec. | Jan. | Total | $\begin{gathered} \text { All } \\ \text { seasons } \\ \hline \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Northern Edge (J) |  |  |  |  |  |  |  |  |  |
| Scrod | 28,795 | 15, 147 | 27,627 | 71,569 | 9, 185 | 3, 016 | 3,129 | 15,330 | 144, 425 |
| Large | 12,468 | 5,800 | 7,814 | 26,082 | 4,256 | 2,839 | 5,385 | 12,480 | 86, 253 |
| Total | 41,263 | 20,947 | 35,441 | 97,651 | 13,441 | 5,855 | 8,514 | 27,810 | 230,678 |
| Southeast Part (M) |  |  |  |  |  |  |  |  |  |
| Scrod | 3, 588 | 986 | 555 | 5,129 | 2,587 | 6,275 | 2, 251 | 11,113 | 71,153 |
| Large | 855 | 650 | 83 | 1,588 | 1,107 | 2,767 | 1,536 | 5,410 | 66,907 |
| Total | 4, 443 | 1,636 | 638 | 6,717 | 3,694 | 9,042 | 3,787 | 16,523 | 138,060 |
| West Channel (G) |  |  |  |  |  |  |  |  |  |
| Scrod | 24,090 | 49, 398 | 16,646 | 90, 134 | 10,621 | 8,755 | 6,731 | 26,107 | 153,153 |
| Large | 15,288 | 13,786 | 10,378 | 39,452 | 9,592 | 8,599 | 7,937 | 26,128 | 118,289 |
| Total | 39,378 | 63,184 | 27, 024 | 129,586 | 20,213 | 17,354 | 14,668 | 52,235 | 271,442 |
| East Channe1 (H) |  |  |  |  |  |  |  |  |  |
| Scrod | 5,272 | 12,748 | 8,576 | 26,596 | 6,502 | 9,682 | 5,650 | 21,834 | 102,886 |
| Large | 6, 082 | 5,713 | 8, 060 | 19,855 | 16, 105 | 20,938 | 13, 092 | 50,135 | 149, 720 |
| Total | 11,354 | 18,461 | 16,636 | 46, 451 | 22,607 | 30,620 | 18,742 | 71,969 | 252,606 |
| Southwest Part (N) |  |  |  |  |  |  |  |  |  |
| Scrod | 491 | -- | 588 | 1,079 | 526 | 425 | 708 | 1,659 | 16,419 |
| Large | 357 | -- | 69 | 426 | 231 | 492 | 1,149 | 1,872 | 15,846 |
| Total | 848 | -- | 657 | 1,505 | 757 | 917 | 1,857 | 3,531 | 32,264 |
| Nantucket (O) |  |  |  |  |  |  |  |  |  |
| Scrod | 1,158 | 1,710 | 1,469 | 4,337 | 1,328 | 412 | 32 | 1,772 | 11,822 |
| Large | 182 | 218 | 235 | 635 | 466 | 216 | 12 | 694 | 4,924 |
| Total | 1,340 | 1,928 | 1,704 | 4,972 | 1,794 | 628 | 44 | 2,466 | 16,746 |
| Southern N. E. (Q, R, S, T) |  |  |  |  |  |  |  |  |  |
| Scrod | 56 | 28 | 207 | 291 | 136 | 230 | -- | 366 | 1,087 |
| Large | 441 | 39 | 163 | 643 | 123 | 94 | -- | 217 | 2,164 |
| Total | 497 | 67 | 370 | 934 | 259 | 324 | -- | 583 | 3,251 |

Summaries:
$5 Z$, E. - E. Georges (J, M)

| Scrod | 32,383 | 16,133 | 28,182 | 76,698 | 11,772 | 9,291 | 5,380 | 26,443 | 215,578 |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| Large | 13,323 | 6,450 | 7,897 | 27,670 | 5,363 | 5,606 | 6,921 | 17,890 | 153,160 |
| Total | 45,706 | 22,583 | 36,079 | 104,368 | 17,135 | 14,897 | 12,301 | 44,333 | 368,738 |

5Z, W. -W. Georges ( $G, H, N, O, Q, R, S, T$ )

| Scrod | 31,067 | 63,884 | 27,486 | 122,437 | 19,113 | 19,504 | 13,121 | 51,738 | 285,367 |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| Large | 22,350 | 19,756 | 18,905 | 61,011 | 26,517 | 30,339 | 22,190 | 79,046 | 290,942 |
| Total | 53,417 | 83,640 | 46,391 | 183,448 | 45,630 | 49,843 | 35,311 | 130,784 | 576,309 |
|  |  |  |  |  |  |  |  |  |  |
| Areas (Tables 2 a, 2b) |  |  |  |  |  |  |  |  |  |
| Scrod | 66,215 | 82,006 | 61,357 | 209,578 | 32,690 | 30,989 | 20,465 | 84,144 | 555,989 |
| Large | 43,225 | 29,551 | 33,726 | 106,502 | 34,142 | 37,757 | 31,814 | 103,713 | 522,755 |
| Total | 109,440 | 111,557 | 95,083 | 316,080 | 66,832 | 68,746 | 52,279 | 187,857 | $1,078,744$ |

Table 3.--Length composition of haddock discarded at sea, 5Z East and West, 1956 Haddock Year, in hundreds of iish

| Length ( cm) | $\begin{gathered} 5 Z \\ \text { East } \\ \hline \end{gathered}$ | 5Z West | $\begin{gathered} 5 Z \\ \text { Total } \\ \hline \end{gathered}$ |
| :---: | :---: | :---: | :---: |
| 16 | 1 |  | 1 |
| 17 | 1 |  | 1 |
| 18 | 1 |  | 1 |
| 19 | - |  | - |
| 20 | 1 |  | 1 |
| 21 | 2 |  | 2 |
| 22 | 2 | 2 | 4 |
| 23 | 3 | 2 | 5 |
| 24 | 7 | 5 | 12 |
| 25 | 10 | 11 | 21 |
| 26 | 21 | 18 | 39 |
| 27 | 33 | 42 | 75 |
| 28 | 63 | 79 | 142 |
| 29 | 88 | 96 | 184 |
| 30 | 151 | 116 | 267 |
| 31 | 181 | 118 | 299 |
| 32 | 237 | 120 | 357 |
| 33 | 282 | 89 | 371 |
| 34 | 308 | 75 | 383 |
| 35 | 316 | 76 | 392 |
| 36 | 309 | 71 | 380 |
| 37 | 305 | 61 | 366 |
| 38 | 237 | 77 | 314 |
| 39 | 165 | 95 | 260 |
| 40 | 119 | 47 | 166 |
| 41 | 59 | 21 | 80 |
| 42 | 27 | 15 | 42 |
| 43 | 14 | 4 | 18 |
| 44 | 6 | 3 | 9 |
| 45 | 4 | 1 | 5 |
| 46 | 4 | - | 4 |
| 47 | 3 | 2 | 5 |
| 48 | - |  | - |
| 49 | 1 |  | 1 |
| T otal | 2,961 | 1,246 | 4,207 |

Table 4.--Summary of samples of landed haddock, 1956 Haddock Year

|  | 5 F North |  | 5 F South |  | 5Z East |  | 5Z West |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Season | Lengths Scales | Lengths Scales | Lengths Scales | Lengths Scales |  |  |  |  |
| Spring | 3,187 | 676 | 582 | 319 | 1,816 | 310 | 2,205 | 300 |
| Summer | 2,510 | 594 | 552 | 122 | 3,346 | 352 | 7,307 | 859 |
| Fall | 4,692 | 625 | 767 | 364 | 2,880 | 430 | 5,964 | 454 |
| Winter | 1,122 | 138 | 764 | 155 | 1,721 | 140 | 6,179 | 841 |
| Total | 11,511 | 2,033 | 2,665 | 960 | 9,763 | 1,232 | 21,655 | 2,454 |

Table 5.--Length composition of scrod and large haddock landed from 5Z East and West, February 1956, in hundreds of fish

| $\begin{aligned} & \text { Length } \\ & (\mathrm{cm} \text { ) } \end{aligned}$ | 52 East |  |  | 5Z West |  |  | 52 Total |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Scrod | Large | Total | Scrod | Large | Total | Scrod | Large | Total |
| 33 |  |  |  | 16 |  | 16 | 16 |  | 16 |
| 4 |  |  |  | -- |  | -- | -- |  | -- |
| 5 | 23 |  | 23 | 16 |  | 16 | 39 |  | 39 |
| 6 | 23 |  | 23 | 31 |  | 31 | 54 |  | 54 |
| 7 | 115 |  | 115 | 109 |  | 109 | 224 |  | 224 |
| 8 | 161 |  | 161 | 141 |  | 141 | 302 |  | 302 |
| 9 | 139 | 13 | 152 | 233 |  | 233 | 372 | 13 | 385 |
| 40 | 208 | -- | 208 | 188 |  | 188 | 396 | - | 396 |
| 1 | 392 | -- | 392 | 141 |  | 141 | 533 | -- | 533 |
| 2 | 576 | -- | 576 | 235 |  | 235 | 811 | -- | 811 |
| 3 | 530 | -- | 530 | 235 |  | 235 | 765 | -- | 765 |
| 4 | 739 | -- | 739 | 327 |  | 327 | 1,066 | -- | 1,066 |
| 5 | 900 | 12 | 912 | 375 |  | 375 | 1,275 | 12 | 1,287 |
| 6 | 992 | 23 | 1,015 | 517 | 16 | 533 | 1,509 | 39 | 1,548 |
| 7 | 992 | 13 | 1, 005 | 500 | 62 | 562 | 1,492 | 75 | 1,567 |
| 8 | 1,085 | 51 | 1,136 | 422 | 156 | 578 | 1,507 | 207 | 1, 714 |
| 9 | 946 | 190 | 1,136 | 391 | 140 | 531 | 1,337 | 330 | 1,667 |
| 50 | 876 | 241 | 1,117 | 375 | 187 | 562 | 1,251 | 428 | 1,679 |
| 1 | 577 | 571 | 1,148 | 250 | 367 | 617 | 827 | 938 | 1,765 |
| 2 | 646 | 698 | 1, 344 | 78 | 312 | 390 | 724 | 1,010 | 1,734 |
| 3 | 208 | 608 | 816 | 62 | 289 | 351 | 270 | 897 | 1,167 |
| 4 | 92 | 672 | 764 | 62 | 289 | 351 | 154 | 961 | 1,115 |
| 5 | 92 | 584 | 676 |  | 210 | 210 | 92 | 794 | 886 |
| 6 | 23 | 748 | 771 |  | 257 | 257 | 23 | 1,005 | 1,028 |
| 7 |  | 481 | 481 |  | 140 | 140 |  | 621 | 621 |
| 8 |  | 646 | 646 |  | 234 | 234 |  | 880 | 880 |
| 9 |  | 545 | 545 |  | 179 | 179 |  | 724 | 724 |
| 60 |  | 418 | 418 |  | 172 | 172 |  | 590 | 590 |
| 1 |  | 317 | 317 |  | 125 | 125 |  | 442 | 442 |
| 2 |  | 304 | 304 |  | 125 | 125 |  | 429 | 429 |
| 3 |  | 304 | 304 |  | 78 | 78 |  | 382 | 382 |
| 4 |  | 291 | 291 |  | 156 | 156 |  | 447 | 447 |
| 5 |  | 190 | 190 |  | 78 | 78 |  | 268 | 268 |
| 6 |  | 228 | 228 |  | 101 | 101 |  | 329 | 329 |
| 7 |  | 139 | 139 |  | 39 | 39 |  | 178 | 178 |
| 8 |  | 101 | 101 |  | 86 | 86 |  | 187 | 187 |
| 9 |  | 38 | 38 |  | 70 | 70 |  | 108 | 108 |
| 70 |  | 177 | 177 |  | 23 | 23 |  | 200 | 200 |
| 1 |  | 127 | 127 |  | 8 | 8 |  | 135 | 135 |
| 2 |  | 51 | 51 |  | 23 | 23 |  | 74 | 74 |
| 3 |  | 38 | 38 |  | 16 | 16 |  | 54 | 54 |
| 4 |  | 76 | 76 |  | 8 | 8 |  | 84 | 84 |
| Total | 10,335 | 8,895 | 19,230 | 4,704 | 3,946 | 8,650 | 15,039 | 12,841 | 27, 880 |

Table 6.--Length composition of scrod and large haddock landed from 5Z East and West, March 1956, in hundreds of fish

| $\begin{aligned} & \text { Length } \\ & \left(\mathrm{cm}_{\mathrm{y}}\right) \end{aligned}$ | 5Z East |  |  | 5Z West |  |  | 52 Total |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Serod | Large | Total | Scrod | Large | Total | Scrod | Large | Total |
| 37 |  |  |  | 55 |  | 55 | 55 |  | 55 |
| 8 |  |  |  | 28 |  | 28 | 28 |  | 28 |
| 9 |  |  |  | 166 |  | 166 | 166 |  | 166 |
| 40 | 116 |  | 116 | 84 |  | 84 | 200 |  | 200 |
| 1 | 174 |  | 174 | 139 |  | 139 | 313 |  | 313 |
| 2 | 116 |  | 116 | 139 |  | 139 | 255 |  | 255 |
| 3 | 463 |  | 463 | 55 |  | 55 | 518 |  | 518 |
| 4 | 636 |  | 636 | 83 |  | 83 | 719 |  | 719 |
| 5 | 926 |  | 926 | 194 |  | 194 | 1,120 |  | 1,120 |
| 6 | 984 |  | 984 | 333 |  | 333 | 1,317 |  | 1,317 |
| 7 | 1,157 | 104 | 1,261 | 305 | 11 | 316 | 1,462 | 115 | 1,577 |
| 8 | 1,099 | 104 | 1,203 | 333 | 11 | 344 | 1, 432 | 115 | 1,547 |
| 9 | 1,041 | 228 | 1,269 | 443 | 33 | 476 | 1,484 | 261 | 1,745 |
| 50 | 868 | 290 | 1,158 | 333 | -- | 333 | 1,201 | 290 | 1,491 |
| 1 | 463 | 560 | 1,023 | 332 | 45 | 377 | 795 | 605 | 1,400 |
| 2 | 405 | 436 | 841 | 194 | 123 | 317 | 599 | 559 | 1,158 |
| 3 | 405 | 581 | 986 | 166 | 223 | 389 | 571 | 804 | 1,375 |
| 4 | 231 | 705 | 936 | 166 | 157 | 323 | 397 | 862 | 1,259 |
| 5 | 58 | 622 | 680 | 249 | 179 | 428 | 307 | 801 | 1,108 |
| 6 | 116 | 747 | 863 | 193 | 256 | 449 | 309 | 1, 003 | 1,312 |
| 7 |  | 498 | 498 | 222 | 155 | 377 | 222 | 653 | 875 |
| 8 |  | 415 | 415 | 194 | 255 | 449 | 194 | 670 | 864 |
| 9 |  | 519 | 519 | 85 | 255 | 340 | 85 | 774 | 859 |
| 60 |  | 249 | 249 | 28 | 178 | 206 | 28 | 427 | 455 |
| 1 |  | 455 | 455 |  | 158 | 158 |  | 613 | 613 |
| 2 |  | 250 | 250 |  | 134 | 134 |  | 384 | 384 |
| 3 |  | 311 | 311 |  | 167 | 167 |  | 478 | 478 |
| 4 |  | 145 | 145 |  | 78 | 78 |  | 223 | 223 |
| 5 |  | 187 | 187 |  | 134 | 134 |  | 321 | 321 |
| 6 |  | 83 | 83 |  | 67 | 67 |  | 150 | 150 |
| 7 |  | 83 | 83 |  | 78 | 78 |  | 161 | 161 |
| 8 |  | 41 | 41 |  | 45 | 45 |  | 86 | 86 |
| 9 |  | 21 | 21 |  | 11 | 11 |  | 32 | 32 |
| 70 |  | 41 | 41 |  | 45 | 45 |  | 86 | 86 |
| 1 |  | 62 | 62 |  | 22 | 22 |  | 84 | 84 |
| 2 |  |  | -- |  | - - | - - |  | -- | - |
| 3 |  | -- | -- |  | -- | -- |  | -- | -- |
| 4 |  | -- | -- |  | 11 | 11 |  | 11 | 11 |
| 5 |  | -- | -- |  | -- | -- |  | - | -- |
| 6 |  | -- | -- |  | 11 | 11 |  | 11 | 11 |
| 7 |  | -- | -- |  | 11 | 11 |  | 11 | 11 |
| 8 |  | 41 | 41 |  |  |  |  | 41 | 41 |
| T otal | 9,258 | 7,778 | 17,036 | 4,519 | 2,853 | 7,372 | 13,777 | 10,631 | 24,408 |

Table 7.--Length composition of scrod and large haddock landed $\mathrm{f}_{\text {rom }} 5 \mathrm{Z}$ East and West, April 1956, in hundreds of fish

| Length(cm.) | 52 East |  |  | 5 Z West |  |  | 5Z Total |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Scrod | Large | Total | Scrod | Large | Total | Scrod | Large | Total |
| 36 |  |  |  | 20 |  | 20 | 20 |  | 20 |
| 7 |  |  |  | 20 |  | 20 | 20 |  | 20 |
| 8 |  |  |  | 41 |  | 41 | 41 |  | 41 |
| 9 | 74 |  | 74 | 61 |  | 61 | 135 |  | 135 |
| 40 | 49 |  | 49 | 346 |  | 346 | 395 |  | 395 |
| 1 | 49 |  | 49 | 407 |  | 407 | 456 |  | 456 |
| 2 | 173 |  | 173 | 346 |  | 346 | 519 |  | 519 |
| 3 | 149 |  | 149 | 366 |  | 366 | 515 |  | 515 |
| 4 | 198 |  | 198 | 163 |  | 163 | 361 |  | 361 |
| 5 | 148 |  | 148 | 183 |  | 183 | 331 |  | 331 |
| 6 | 74 |  | 74 | 488 |  | 488 | 562 |  | 562 |
| 7 | 246 |  | 246 | 244 | 9 | 253 | 490 | 9 | 499 |
| 8 | 124 |  | 124 | 569 | 23 | 592 | 693 | 23 | 716 |
| 9 | 124 | 79 | 203 | 529 | 50 | 579 | 653 | 129 | 782 |
| 50 | 245 | 20 | 265 | 529 | 92 | 621 | 774 | 112 | 886 |
| 1 | 74 | 79 | 153 | 366 | 142 | 508 | 440 | 221 | 661 |
| 2 | 19 | -- | 49 | 285 | 239 | 524 | 334 | 239 | 573 |
| 3 | - | 99 | 99 | 102 | 294 | 396 | 102 | 393 | 495 |
| 4 | 74 | 119 | 193 | 163 | 326 | 489 | 237 | 445 | 682 |
| 5 |  | 78 | 78 | 102 | 295 | 397 | 102 | 373 | 475 |
| 6 |  | 59 | 59 | 122 | 294 | 416 | 122 | 353 | 475 |
| 7 |  | 79 | 79 | 41 | 183 | 224 | 41 | 262 | 303 |
| 8 |  | 177 | 177 | 61 | 152 | 213 | 61 | 329 | 390 |
| 9 |  | 99 | 99 | 20 | 169 | 189 | 20 | 268 | 288 |
| 60 |  | 20 | 20 | 20 | 88 | 108 | 20 | 108 | 128 |
| 1 |  | 79 | 79 | 20 | 92 | 112 | 20 | 171 | 191 |
| 2 |  | 40 | 40 | 20 | 133 | 153 | 20 | 173 | 193 |
| 3 |  | -- | -- |  | 87 | 87 |  | 87 | 87 |
| 4 |  | 40 | 40 |  | 106 | 106 |  | 146 | 146 |
| 5 |  | -- | -- |  | 87 | 87 |  | 87 | 87 |
| 6 |  | -- | -- |  | 78 | 78 |  | 78 | 78 |
| 7 |  | 20 | 20 |  | 41 | 41 |  | 61 | 61 |
| 8 |  | -- |  |  | 55 | 55 |  | 55 | 55 |
| 9 |  | -- | -- |  | 46 | 46 |  | 46 | 46 |
| 70 |  | -- | -- |  | 32 | 32 |  | 32 | 32 |
| 1 |  | -- | -- |  | 29 | 29 |  | 29 | 29 |
| 2 |  | -- | -- |  | 55 | 55 |  | 55 | 55 |
| 3 |  | -- | -- |  | 14 | 14 |  | 14 | 14 |
| 4 |  | 20 | 20 |  | 1 | 1 |  | 21 | 21 |
| 5 |  |  |  |  | 5 | 5 |  | 5 | 5 |
| 6 |  |  |  |  | 9 | 9 |  | 9 | 9 |
| Total | 1,850 | 1,107 | 2,957 | 5,634 | 3,226 | 8,860 | 7,484 | 4,333 | 11, 817 |

Table 8.--Length composition of scrod and large haddock landed from 5Z East and Wost, May 1956, in hundreds of fish

| Length$(\mathrm{cm} .)$ | 52 East |  |  | 5 Z West |  |  | 52 Total |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Scrod | Large | Total | Scrod | Large | Total | Scrod | Large | Total |
| 33 |  |  |  | 21 |  | 21 | 21 |  | 21 |
| 4 |  |  |  | 21 |  | 21 | 21 |  | 21 |
| 5 |  |  |  | 149 |  | 149 | 149 |  | 149 |
| 6 | 113 |  | 113 | 256 |  | 256 | 369 |  | 369 |
| 7 | 57 |  | 57 | 383 |  | 383 | 440 |  | 440 |
| 8 | 142 |  | 142 | 682 |  | 682 | 824 |  | 824 |
| 9 | 397 |  | 397 | 852 |  | 852 | 1,249 |  | 1,249 |
| 40 | 454 |  | 454 | 1,001 |  | 1,001 | 1,455 |  | 1,455 |
| 1 | 539 |  | 539 | 1,299 | 6 | 1,305 | 1,838 | 6 | 1,844 |
| 2 | 709 |  | 709 | 980 | 11 | 991 | 1,689 | 11 | 1,700 |
| 3 | 680 |  | 680 | 1,108 | 6 | 1,114 | 1,788 | 6 | 1,794 |
| 4 | 680 |  | 680 | 1,001 | 6 | 1,007 | 1,681 | 6 | 1,687 |
| 5 | 1, 048 | 21 | 1,069 | 639 | 17 | 656 | 1,687 | 38 | 1,725 |
| 6 | 793 | 21 | 814 | 980 | 6 | 986 | 1,773 | 27 | 1,800 |
| 7 | 821 | 21 | 842 | 1,172 | 46 | 1,218 | 1,993 | 67 | 2,060 |
| 8 | 737 | 81 | 818 | 1,172 | 80 | 1,252 | 1,909 | 161 | 2,070 |
| 9 | 878 | 83 | 961 | 1,193 | 205 | 1,398 | 2,071 | 288 | 2,359 |
| 50 | 737 | 188 | 925 | 1,150 | 279 | 1,429 | 1,887 | 467 | 2, 354 |
| 1 | 312 | 301 | 613 | 1,001 | 570 | 1,571 | 1,313 | 871 | 2,184 |
| 2 | 340 | 311 | 651 | 490 | 855 | 1,345 | 830 | 1,166 | 1,996 |
| 3 | 142 | 394 | 536 | 320 | 741 | 1,061 | 462 | 1,135 | 1,597 |
| 4 |  | 437 | 437 | 106 | 912 | 1, 018 | 106 | 1,349 | 1,455 |
| 5 |  | 415 | 415 | 64 | 895 | 959 | 64 | 1,310 | 1,374 |
| 6 |  | 301 | 301 | 43 | 775 | 818 | 43 | 1,076 | 1,119 |
| 7 |  | 394 | 394 |  | 730 | 730 |  | 1,124 | 1,124 |
| 8 |  | 197 | 197 |  | 673 | 673 |  | 870 | 870 |
| 9 |  | 208 | 208 |  | 644 | 644 |  | 852 | 852 |
| 60 |  | 124 | 124 |  | 388 | 388 |  | 512 | 512 |
| 1 |  | 114 | 114 |  | 359 | 359 |  | 473 | 473 |
| 2 |  | 156 | 156 |  | 308 | 308 |  | 464 | 464 |
| 3 |  | 114 | 114 |  | 296 | 296 |  | 410 | 410 |
| 4 |  | 52 | 52 |  | 285 | 285 |  | 337 | 337 |
| 5 |  | 106 | 106 |  | 251 | 251 |  | 357 | 357 |
| 6 |  | 21 | 21 |  | 205 | 205 |  | 226 | 226 |
| 7 |  | 21 | 21 |  | 217 | 217 |  | 238 | 238 |
| 8 |  | 31 | 31 |  | 171 | 171 |  | 202 | 202 |
| 9 |  | 10 | 10 |  | 108 | 108 |  | 118 | 118 |
| 70 |  | 10 | 10 |  | 125 | 125 |  | 135 | 135 |
| 1 |  |  |  |  | 91 | 91 |  | 91 | 91 |
| 2 |  |  |  |  | 80 | 80 |  | 80 | 80 |
| 3 |  |  |  |  | 23 | 23 |  | 23 | 23 |
| 4 |  | . |  |  | 17 | 17 |  | 17 | 17 |
| 5 |  |  |  |  | 23 | 23 |  | 23 | 23 |
| 6 |  |  |  |  | 11 | 11 |  | 11 | 11 |
| 7 |  |  |  |  | 17 | 17 |  | 17 | 17 |
| 8 |  |  |  |  | -- | -- |  | -- | -- |
| 9 |  |  |  |  | 11 | 11 |  | 11 | 11 |
| 80 |  |  |  |  | -- | -- |  | -- | -- |
| 1 |  |  |  |  | -- | -- |  | - | -- |
| 2 |  |  |  |  | 6 | 6 |  | 6 | 6 |
| 3 |  |  |  |  | -- | -- |  | -- | -- |
| 4 |  |  |  |  | 6 | 6 |  | 6 | 6 |
| Total | 9,579 | 4, 132 | 13,711 | 16,083 | 10,455 | 26,538 | 25,662 | 14,587 | 40,249 |

Table 9.--Length composition of scrod and large haddock landed from 5Z East and West, June 1956, in hundreds of fish

| Length (cm.) | 52 East |  |  | 5Z West |  |  | 5Z Total |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Scrod | Large | Total | Scrod | Large | Total | Scrod | Large | Total |
| 35 | 44 |  | 44 | 60 |  | 60 | 104 |  | 104 |
| 6 | 22 |  | 22 | 199 |  | 199 | 221 |  | 221 |
| 7 | 311 |  | 311 | 318 |  | 318 | 629 |  | 629 |
| 8 | 222 |  | 222 | 458 |  | 458 | 680 |  | 680 |
| 9 | 467 |  | 467 | 876 |  | 876 | 1,343 |  | 1,343 |
| 40 | 956 |  | 956 | 1,055 |  | 1,055 | 2,011 |  | 2,011 |
| 1 | 1,002 |  | 1,002 | 1, 333 |  | 1,333 | 2,335 |  | 2,335 |
| 2 | 600 |  | 600 | 1,334 |  | 1,334 | 1,934 |  | 1, 934 |
| 3 | 578 |  | 578 | 1,453 |  | 1, 453 | 2,031 |  | 2,031 |
| 4 | 1,046 |  | 1, 046 | 1,591 |  | 1,591 | 2,637 |  | 2,637 |
| 5 | 578 |  | 578 | 1,294 | 33 | 1,327 | 1,872 | 33 | 1,905 |
| 6 | 868 | 27 | 895 | 1,413 | 33 | 1,446 | 2,281 | 60 | 2, 341 |
| 7 | 778 | 27 | 805 | 1,433 | 33 | 1,466 | 2,211 | 60 | 2, 271 |
| 8 | 823 | 93 | 916 | 1,174 | 142 | 1,316 | 1,997 | 235 | 2,232 |
| 9 | 778 | 173 | 951 | 1,414 | 175 | 1,589 | 2,192 | 348 | 2,540 |
| 50 | 400 | 253 | 653 | 1,532 | 510 | 2,042 | 1,932 | 763 | 2,695 |
| 1 | 511 | 479 | 990 | 975 | 794 | 1,769 | 1,486 | 1,273 | 2,759 |
| 2 | 200 | 559 | 759 | 577 | 894 | 1,471 | 777 | 1,453 | 2, 230 |
| 3 | 67 | 624 | 691 | 358 | 1,338 | 1,696 | 425 | 1,962 | 2,387 |
| 4 | 67 | 491 | 558 | 80 | 1,162 | 1, 242 | 147 | 1,653 | 1,800 |
| 5 | 44 | 439 | 483 | 60 | 1,346 | 1,406 | 104 | 1,785 | 1,889 |
| 6 | - - | 173 | 173 | -- | 1,145 | 1,145 | -- | 1,318 | 1,318 |
| 7 | 22 | 187 | 209 | -- | 902 | 902 | 22 | 1,089 | 1,111 |
| 8 |  | 106 | 106 | 20 | 677 | 697 | 20 | 783 | 803 |
| 9 |  | 80 | 80 |  | 685 | 685 |  | 765 | 765 |
| 60 |  | 40 | 40 |  | 535 | 535 |  | 575 | 575 |
| 1 |  | 27 | 27 |  | 460 | 460 |  | 487 | 487 |
| 2 |  | 67 | 67 |  | 443 | 443 |  | 510 | 510 |
| 3 |  | -- | -- |  | 468 | 468 |  | 468 | 468 |
| 4 |  | -- | -- |  | 309 | 309 |  | 309 | 309 |
| 5 |  | - - | -- |  | 267 | 267 |  | 267 | 267 |
| 6 |  | -- | -- |  | 276 | 276 |  | 276 | 276 |
| 7 |  | 27 | 27 |  | 284 | 284 |  | 311 | 311 |
| 8 |  |  |  |  | 301 | 301 |  | 301 | 301 |
| 9 |  |  |  |  | 192 | 192 |  | 192 | 192 |
| 70 |  |  |  |  | 142 | 142 |  | 142 | 142 |
| 1 |  |  |  |  | 42 | 42 |  | 42 | 42 |
| 2 |  |  |  |  | 109 | 109 |  | 109 | 109 |
| 3 |  |  |  |  | 8 | 8 |  | 8 | 8 |
| 4 |  |  |  |  | -- | -- |  | - | - |
| 5 |  |  |  |  | 17 | 17 |  | 17 | 17 |
| 6 |  |  |  |  | 17 | 17 |  | 17 | 17 |
| 7 |  |  |  |  | 8 | 8 |  | 8 | 8 |
| 8 |  |  |  |  | 8 | 8 |  | 8 | 8 |
| 9 |  |  |  |  | 8 | 8 |  | 8 | 8 |
| 80 |  |  |  |  | 8 | 8 |  | 8 | 8 |
| 1 |  |  |  |  | 8 | 8 |  | 8 | 8 |
| Total | 10,384 | 3,872 | 14,256 | 19,007 | 13,779 | 32,786 | 29,391 | 17,651 | 47,042 |

Table 10. - Length composition of scrod and large haddock landed from 5Z East and West, July 1956, in hundreds of fish

| $\begin{aligned} & \text { Length } \\ & \text { (cm.) } \end{aligned}$ | 52 East |  |  | 5Z West |  |  | 5Z Total |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Scrod | Large | Total | Scrod | Large | Total | Scrod | Large | Total |
| 32 | 16 |  | 16 |  |  |  | 16 |  | 16 |
| 3 | 16 |  | 16 | 21 |  | 21 | 37 |  | 37 |
| 4 | 78 |  | 78 | 11 |  | 11 | 89 |  | 89 |
| 5 | 157 |  | 157 | 11 |  | 11 | 168 |  | 168 |
| 6 | 314 |  | 314 | 21 |  | 21 | 335 |  | 335 |
| 7 | 471 |  | 471 | 106 |  | 106 | 577 |  | 577 |
| 8 | 769 |  | 769 | 191 |  | 191 | 960 |  | 960 |
| 9 | 911 |  | 911 | 340 |  | 340 | 1,251 |  | 1,251 |
| 40 | 1,053 |  | 1,053 | 424 |  | 424 | 1,477 |  | 1,477 |
| 1 | 1,241 |  | 1,241 | 498 |  | 498 | 1,739 |  | 1,739 |
| 2 | 1,083 |  | 1,083 | 340 |  | 340 | 1,423 |  | 1,423 |
| 3 | 1,334 | 6 | 1,340 | 393 |  | 393 | 1,727 | 6 | 1,733 |
| 4 | 1,367 | -- | 1,367 | 360 | 5 | 365 | 1,727 | 5 | 1,732 |
| 5 | 1,398 | 17 | 1,415 | 328 | 9 | 337 | 1,726 | 26 | 1,752 |
| 6 | 1,664 | 34 | 1,698 | 243 | 37 | 280 | 1,907 | 71 | 1,978 |
| 7 | 1,397 | 34 | 1,431 | 371 | 46 | 417 | 1,768 | 80 | 1,848 |
| 8 | 1,225 | 141 | 1,366 | 413 | 55 | 468 | 1,638 | 196 | 1,834 |
| 9 | 1,020 | 248 | 1,268 | 563 | 123 | 686 | 1,583 | 371 | 1,954 |
| 50 | 628 | 389 | 1,017 | 456 | 206 | 662 | 1, 084 | 595 | 1,679 |
| 1 | 345 | 495 | 840 | 426 | 247 | 673 | 771 | 742 | 1,513 |
| 2 | 63 | 534 | 597 | 479 | 389 | 868 | 542 | 923 | 1,465 |
| 3 | 31 | 511 | 542 | 278 | 458 | 736 | 309 | 969 | 1,278 |
| 4 | 47 | 349 | 396 | 223 | 536 | 759 | 270 | 885 | 1,155 |
| 5 | 16 | 355 | 371 | 149 | 508 | 657 | 165 | 863 | 1,028 |
| 6 |  | 417 | 417 | 106 | 535 | 641 | 106 | 952 | 1,058 |
| 7 |  | 203 | 203 | 85 | 508 | 593 | 85 | 711 | 796 |
| 8 |  | 191 | 191 | 21 | 499 | 520 | 21 | 690 | 711 |
| 9 |  | 79 | 79 | 11 | 366 | 377 | 11 | 445 | 456 |
| 60 |  | 91 | 91 | -- | 352 | 352 | -- | 443 | 443 |
| 1 |  | 72 | 72 | 11 | 307 | 318 | 11 | 379 | 390 |
| 2 |  | 84 | 84 | 11 | 275 | 286 | 11 | 359 | 370 |
| 3 |  | 34 | 34 |  | 174 | 174 |  | 208 | 208 |
| 4 |  | 34 | 34 |  | 179 | 179 |  | 213 | 213 |
| 5 |  | 17 | 17 |  | 174 | 174 |  | 191 | 191 |
| 6 |  | 6 | 6 |  | 137 | 137 |  | 143 | 143 |
| 7 |  | 51 | 51 |  | 128 | 128 |  | 179 | 179 |
| 8 |  | 22 | 22 |  | 115 | 115 |  | 137 | 137 |
| 9 |  | 6 | 6 |  | 101 | 101 |  | 107 | 107 |
| 70 |  | 17 | 17 |  | 69 | 69 |  | 86 | 86 |
| 1 |  | 6 | 6 |  | 55 | 55 |  | 61 | 61 |
| 2 |  | 11 | 11 |  | 46 | 46 |  | 57 | 57 |
| 3 |  | 6 | 6 |  | 32 | 32 |  | 38 | 38 |
| 4 |  |  |  |  | 5 | 5 |  | 5 | 5 |
| 5 |  |  |  |  | 4 | 4 |  | 4 | 4 |
| 6 |  |  |  |  | 9 | 9 |  | 9 | 9 |
| 7 |  |  |  |  | 9 | 9 |  | 9 | 9 |
| 8 |  |  |  |  | 4 | 4 |  | 4 | 4 |
| 9 |  |  |  |  | -- | -- |  | -- | -- |
| 80 |  |  |  |  | 4 | 4 |  | 4 | 4 |

Total $16,644 \quad 4,460 \quad 21,104 \quad 6,890 \quad 6,706 \quad 13,596 \quad 23,534 \quad 11,166 \quad 34,700$

Table 11.--Length composition of scrod and large haddock landed from 5Z East and West, August 1956, in hundreds of fish

| Length (cm.) | 52 East |  |  | 5Z West |  |  | 52 Total |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Scrod | Large | Total | Scrod | Large | Total | Scrod | Large | Total |
| 33 | 29 |  | 29 |  |  |  | 29 |  | 29 |
| 4 | 58 |  | 58 |  |  |  | 58 |  | 58 |
| 5 | 88 |  | 88 |  |  |  | 88 |  | 88 |
| 6 | 204 |  | 204 | 22 |  | 22 | 226 |  | 226 |
| 7 | 467 |  | 467 | 180 |  | 180 | 647 |  | 647 |
| 8 | 672 |  | 672 | 270 |  | 270 | 942 |  | 942 |
| 9 | 1,372 |  | 1,372 | 653 | 10 | 663 | 2,025 | 10 | 2,035 |
| 40 | 1,518 |  | 1,518 | 766 | 15 | 781 | 2,284 | 15 | 2,299 |
| 1 | 1,753 |  | 1,753 | 1,059 | 18 | 1,077 | 2,812 | 18 | 2,830 |
| 2 | 1,606 |  | 1,606 | 946 | 40 | 986 | 2,552 | 40 | 2,592 |
| 3 | 1,928 |  | 1,928 | 1,464 | 74 | 1,538 | 3,392 | 74 | 3,466 |
| 4 | 1,402 |  | 1,402 | 1,690 | 64 | 1,754 | 3,092 | 64 | 3,156 |
| 5 | 1,285 | 4 | 1,289 | 1,644 | 60 | 1,704 | 2,929 | 64 | 2,993 |
| 6 | 1,578 | 18 | 1,596 | 1,126 | 98 | 1,224 | 2,704 | 116 | 2,820 |
| 7 | 1,139 | 36 | 1,175 | 946 | 128 | 1,074 | 2,085 | 164 | 2,249 |
| 8 | 1,256 | 151 | 1,407 | 1,464 | 283 | 1,747 | 2, 720 | 434 | 3,154 |
| 9 | 1,110 | 258 | 1,368 | 946 | 218 | 1,164 | 2,056 | 476 | 2,532 |
| 50 | 409 | 329 | 738 | 811 | 302 | 1,113 | 1,220 | 631 | 1,851 |
| 1 | 321 | 431 | 752 | 698 | 408 | 1,106 | 1,019 | 839 | 1,858 |
| 2 | 234 | 495 | 729 | 518 | 529 | 1,047 | 752 | 1,024 | 1,776 |
| 3 | -- | 570 | 570 | 293 | 558 | 851 | 293 | 1,128 | 1,421 |
| 4 | 29 | 415 | 444 | 225 | 628 | 853 | 254 | 1,043 | 1,297 |
| 5 | 29 | 463 | 492 | 68 | 599 | 667 | 97 | 1,062 | 1,159 |
| 6 |  | 271 | 271 | -- | 431 | 431 | -- | 702 | 702 |
| 7 |  | 182 | 182 | -- | 461 | 461 | - | 643 | 643 |
| 8 |  | 200 | 200 | -- | 273 | 273 | -- | 473 | 473 |
| 9 |  | 173 | 173 | 22 | 344 | 366 | 22 | 517 | 539 |
| 60 |  | 58 | 58 |  | 268 | 268 |  | 326 | 326 |
| 1 |  | 71 | 71 |  | 154 | 154 |  | 225 | 225 |
| 2 |  | 58 | 58 |  | 124 | 124 |  | 182 | 182 |
| 3 |  | 36 | 36 |  | 130 | 130 |  | 166 | 166 |
| 4 |  | 27 | 27 |  | 115 | 115 |  | 142 | 142 |
| 5 |  | 9 | 9 |  | 69 | 69 |  | 78 | 78 |
| 6 |  | 4 | 4 |  | 89 | 89 |  | 93 | 93 |
| 7 |  | 13 | 13 |  | 94 | 94 |  | 107 | 107 |
| 8 |  | 4 | 4 |  | 51 | 51 |  | 55 | 55 |
| 9 |  | -- | -- |  | 51 | 51 |  | 51 | 51 |
| 70 |  | 9 | 9 |  | 5 | 5 |  | 14 | 14 |
| 1 |  | 4 | 4 |  | 5 | 5 |  | 9 | 9 |
| 2 |  | -- | -- |  | 10 | 10 |  | 10 | 10 |
| 3 |  | -- | , |  | 5 | 5 |  | 5 | 5 |
| 4 |  | 4 | 4 |  | 5 | 5 |  | 9 | 9 |
| 5 |  |  |  |  | -- | - |  | -- | -- |
| 6 |  |  |  |  | 5 | 5 |  | 5 | 5 |
| 7 |  |  |  |  | -- | -- |  | -- | -- |
| 8 |  |  |  |  | 5 | 5 |  | 5 | 5 |

Total $18,487 \quad 4,293 \quad 22,780 \quad 15,811 \quad 6,726 \quad 22,537 \quad 34,298 \quad 11,019 \quad 45,317$

Table 12.--Length composition of scrod and large haddock landed from $5 Z$ East and West, September 1956, in hundreds of $f i s h$

| Length | 52 East |  |  | 5Z West |  |  | 52 Tolal |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| (cm.) | Scrod | Large | Total | Scrod | Large | Total | Scrod | Large | Total |
| 34 |  |  |  | 51 |  | 51 | 51 |  | 51 |
| 5 | 31 |  | 31 | - |  | -- | 31 |  | 31 |
| 6 | 63 |  | 63 | 204 | 12 | 216 | 267 | 12 | 279 |
| 7 | 157 |  | 157 | 204 | -- | 204 | 361 | -- | 361 |
| 8 | 376 |  | 376 | 867 | - | 867 | 1,243 | -- | 1,243 |
| 9 | 595 |  | 595 | 1,428 | -- | 1,428 | 2,023 | -- | 2, 023 |
| 40 | 720 |  | 720 | 2, 804 | - | 2,804 | 3,524 | -- | 3,524 |
| 1 | 814 |  | 814 | 2,856 | 23 | 2, 879 | 3,670 | 23 | 3,693 |
| 2 | 1,127 |  | 1,127 | 3,568 | 12 | 3,580 | 4,695 | 12 | 4, 707 |
| 3 | 1,064 | 6 | 1,070 | 4,436 | 35 | 4,471 | 5,500 | 41 | 5, 541 |
| 4 | 783 | 6 | 789 | 4,538 | 12 | 4,550 | 5, 321 | 18 | 5, 339 |
| 5 | 564 | -- | 564 | 3,569 | -- | 3,569 | 4,133 | -- | 4,133 |
| 6 | 407 | 11 | 418 | 3,467 | 23 | 3,490 | 3,874 | 34 | 3,908 |
| 7 | 626 | 17 | 643 | 2,958 | 103 | 3,061 | 3,584 | 120 | 3, 704 |
| 8 | 532 | 28 | 560 | 2,142 | 104 | 2,246 | 2,674 | 132 | 2,806 |
| 9 | 282 | 50 | 332 | 765 | 173 | 938 | 1,047 | 223 | 1,270 |
| 50 | 250 | 83 | 333 | 561 | 347 | 908 | 811 | 430 | 1,241 |
| 1 | 344 | 206 | 550 | 255 | 265 | 520 | 599 | 471 | 1,070 |
| 2 | 94 | 128 | 222 | 102 | 392 | 494 | 196 | 520 | 716 |
| 3 | -- | 188 | 188 | 51 | 451 | 502 | 51 | 639 | 690 |
| 4 | 31 | 161 | 192 | 102 | 451 | 553 | 133 | 612 | 745 |
| 5 | -- | 161 | 161 | 51 | 438 | 489 | 51 | 599 | 650 |
| 6 | 31 | 117 | 148 |  | 415 | 415 | 31 | 532 | 563 |
| 7 |  | 128 | 128 |  | 231 | 231 |  | 359 | 359 |
| 8 |  | 78 | 78 |  | 288 | 288 |  | 366 | 366 |
| 9 |  | 78 | 78 |  | 219 | 219 |  | 297 | 297 |
| 60 |  | 33 | 33 |  | 254 | 254 |  | 287 | 287 |
| 1 |  | 28 | 28 |  | 288 | 288 |  | 316 | 316 |
| 2 |  | 78 | 78 |  | 150 | 150 |  | 228 | 228 |
| 3 |  | 28 | 28 |  | 138 | 138 |  | 166 | 166 |
| 4 |  | 44 | 44 |  | 81 | 81 |  | 125 | 125 |
| 5 |  | 33 | 33 |  | 104 | 104 |  | 137 | 137 |
| 6 |  | 33 | 33 |  | 92 | 92 |  | 125 | 125 |
| 7 |  | 22 | 22 |  | 69 | 69 |  | 91 | 91 |
| 8 |  | -- | -- |  | 46 | 46 |  | 46 | 46 |
| 9 |  | 6 | 6 |  | 46 | 46 |  | 52 | 52 |
| 70 |  | 11 | 11 |  | 81 | 81 |  | 92 | 92 |
| 1 |  | 17 | 17 |  | 12 | 12 |  | 29 | 29 |
| 2 |  | 6 | 6 |  | -- | - |  | 6 | 6 |
| 3 |  | 6 | 6 |  | 11 | 11 |  | 17 | 17 |
| 4 |  | -- | -- |  | -- | -- |  | 17 | -- |
| 5 |  | -- | -- |  | -- | -- |  | -- | -- |
| 6 |  | 6 | 6 |  | -- | -- |  | 6 | 6 |
| 7 |  |  |  |  | 12 | 12 |  | 12 | 12 |
| 8 |  |  |  |  | -- | - |  | -- | -- |
| 9 |  |  |  |  | 12 | 12 |  | 12 | 12 |

Total $8,891 \quad 1,797 \quad 10,688 \quad 34,979 \quad 5,390 \quad 40,369 \quad 43,870 \quad 7,187 \quad 51,057$

Table 13.--Length composition of scrod and large haddock landed from 5Z East and West, October 1956, in hundreds of fish

| Length$(\mathrm{cm} .)$ | $5 Z$ East |  |  | 5 Z West |  |  | 5 Z Total |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Scrod | Large | Total | Scrod | Large | Total | Scrod | Large | Total |
| 34 | 28 |  | 28 |  |  |  | 28 |  | 28 |
| 5 | 138 |  | 138 | 64 | . | 64 | 202 |  | 202 |
| 6 | 248 |  | 248 | 129 | . | 129 | 377 |  | 377 |
| 7 | 386 |  | 386 | 97 |  | 97 | 483 |  | 483 |
| 8 | 552 |  | 552 | 322 |  | 322 | 874 |  | 874 |
| 9 | 1,103 |  | 1, 103 | 579 | 3 | 582 | 1,682 | 3 | 1,685 |
| 40 | 1,462 |  | 1,462 | 870 | -- | 870 | 2,332 | -- | 2, 332 |
| 1 | 1, 849 | 6 | 1, 855 | 1,401 | -- | 1,401 | 3, 250 | 6 | 3,256 |
| 2 | 1,545 | - | 1,545 | 1,417 | 3 | 1,420 | 2,962 | 3 | 2,965 |
| 3 | 1,765 | 6 | 1,771 | 1,546 | -- | 1,546 | 3,311 | 6 | 3, 317 |
| 4 | 1, 626 | - | 1,626 | 1,723 | -- | 1,723 | 3, 349 | -- | 3, 349 |
| 5 | 1,324 | 13 | 1,337 | 1,514 | 14 | 1,528 | 2,838 | 27 | 2, 865 |
| 6 | 1,296 | 32 | 1,328 | 1,079 | 16 | 1,095 | 2,375 | 48 | 2,423 |
| 7 | 1, 021 | 45 | 1,066 | 1, 031 | 67 | 1,098 | 2,052 | 112 | 2,164 |
| 8 | 690 | 76 | 766 | 709 | 70 | 779 | 1,399 | 146 | 1,545 |
| 9 | 386 | 153 | 539 | 580 | 163 | 743 | 966 | 316 | 1,282 |
| 50 | 331 | 204 | 535 | 451 | 255 | 706 | 782 | 459 | 1,241 |
| 1 | 138 | 299 | 437 | 451 | 285 | 736 | 589 | 584 | 1,173 |
| 2 | 110 | 312 | 422 | 145 | 415 | 560 | 255 | 727 | 982 |
| 3 | 56 | 197 | 253 | 129 | 387 | 516 | 185 | 584 | 769 |
| 4 | 28 | 312 | 340 | 129 | 381 | 510 | 157 | 693 | 850 |
| 5 |  | 280 | 280 | 16 | 472 | 488 | 16 | 752 | 768 |
| 6 |  | 140 | 140 | 97 | 328 | 425 | 97 | 468 | 565 |
| 7 |  | 146 | 146 |  | 377 | 377 |  | 523 | 523 |
| 8 |  | 83 | 83 |  | 307 | 307 |  | 390 | 390 |
| 9 |  | 57 | 57 |  | 285 | 285 |  | 342 | 342 |
| 60 |  | 32 | 32 |  | 206 | 206 |  | 238 | 238 |
| 1 |  | 45 | 45 |  | 176 | 176 |  | 221 | 221 |
| 2 |  | 13 | 13 |  | 128 | 128 |  | 141 | 141 |
| 3 |  | 6 | 6 |  | 144 | 144 |  | 150 | 150 |
| 4 |  | 13 | 13 |  | 90 | 90 |  | 103 | 103 |
| 5 |  | - - | -- |  | 95 | 95 |  | 95 | 95 |
| 6 |  | -- | -- |  | 84 | 84 |  | 84 | 84 |
| 7 |  | 13 | 13 |  | 54 | 54 |  | 67 | 67 |
| 8 |  | 6 | 6 |  | 49 | 49 |  | 55 | 55 |
| 9 |  | 6 | 6 |  | 49 | 49 |  | 55 | 55 |
| 70 |  |  |  |  | 16 | 16 |  | 16 | 16 |
| 1 |  |  |  |  | 36 | 36 |  | 36 | 36 |
| 2 |  |  |  |  | 41 | 41 |  | 41 | 41 |
| 3 |  |  |  |  | 11 | 11 |  | 11 | 11 |
| 4 |  |  |  |  | 11 | 11 |  | 11 | 11 |
| 5 |  |  |  |  | 3 | 3 |  | 3 | 3 |
| 6 |  |  |  |  | 3 | 3 |  | 3 | 3 |
| 7 |  |  |  |  | -- | -- |  | -- | - |
| 8 |  |  |  |  | -- | -- |  | -- | -- |
| 9 |  |  |  |  | - | - |  | - | - |
| 80 |  |  |  |  | 3 | 3 |  | 3 | 3 |
| Total | 16,082 | 2,495 | 18,577 | 14,479 | 5,027 | 19,506 | 30,561 | 7,522 | 38, 083 |

Table 14. - Length composition of scrod and large haddock landed from $5 Z$ East and West, November 1956 , in hundreds of fish

| Length$(\mathrm{cm} .)$ | 5Z East |  |  | 5Z West |  |  | 52 Total |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Scrod | Large | Total | Scrod | Large | Total | Scrod | Large | Total |
| 33 | 26 |  | 26 |  |  |  | 26 |  | 26 |
| 4 | -- |  | - |  |  |  | -- |  | -- |
| 5 | 26 |  | 26 |  |  |  | 26 |  | 26 |
| 6 | 52 |  | 52 | 83 |  | 83 | 135 |  | 135 |
| 7 | 183 |  | 183 | 83 |  | 83 | 266 |  | 266 |
| 8 | 235 |  | 235 | 217 |  | 217 | 452 |  | 452 |
| 9 | 287 |  | 287 | 333 |  | 333 | 620 |  | 620 |
| 40 | 496 |  | 496 | 517 | 4 | 521 | 1,013 | 4 | 1,017 |
| 1 | 756 |  | 756 | 700 | -- | 700 | 1,456 | -- | 1,456 |
| 2 | 678 |  | 678 | 983 | -- | 983 | 1,661 | -- | 1,631 |
| 3 | 835 |  | 835 | 833 | -- | 833 | 1, 668 | -- | 1,668 |
| 4 | 836 |  | 836 | 1,133 | -- | 1,133 | 1,969 | -- | 1,969 |
| 5 | 548 | 19 | 567 | 1,084 | 4 | 1,088 | 1,632 | 23 | 1,655 |
| 6 | 443 | 19 | 462 | 1,118 | 5 | 1,123 | 1,561 | 24 | 1,585 |
| 7 | 339 | 19 | 358 | 750 | 12 | 762 | 1,089 | 31 | 1,120 |
| 8 | 339 | 19 | 358 | 767 | 41 | 803 | 1,10も | 60 | 1,166 |
| $y$ | 156 | 78 | 234 | 317 | 78 | 395 | 473 | 156 | 529 |
| 50 | 183 | 155 | 338 | 333 | 257 | 590 | 516 | 412 | 928 |
| 1 | 52 | 271 | 323 | 283 | 308 | 591 | 335 | 579 | 914 |
| 2 | 78 | 214 | 292 | 133 | 332 | 465 | 211 | 546 | 757 |
| 3 | 26 | 136 | 162 | 50 | 435 | 485 | 76 | 571 | 647 |
| 4 | 26 | 136 | 162 | 50 | 473 | 523 | 76 | 609 | 685 |
| 5 |  | 78 | 78 | - - | 523 | 523 | -- | 601 | 601 |
| 6 |  | 58 | 58 | 83 | 506 | 589 | 83 | 564 | 647 |
| 7 |  | 58 | 58 |  | 552 | 552 |  | 610 | 610 |
| 8 |  | 39 | 39 |  | 448 | 448 |  | 487 | 487 |
| 9 |  | 78 | 78 |  | 369 | 369 |  | 447 | 447 |
| 60 |  | 39 | 39 |  | 340 | 340 |  | 379 | 379 |
| 1 |  | 58 | 58 |  | 319 | 319 |  | 377 | 377 |
| 2 |  | 39 | 39 |  | 199 | 199 |  | 238 | 238 |
| 3 |  | -- | -- |  | 207 | 207 |  | 207 | 207 |
| 4 |  | -- | -- |  | 174 | 174 |  | 174 | 174 |
| 5 |  | -- | -- |  | 149 | 149 |  | 149 | 149 |
| 6 |  | 19 | 19 |  | 141 | 141 |  | 160 | 160 |
| 7 |  | -- | -- |  | 75 | 75 |  | 75 | 75 |
| 8 |  | -- | -- |  | 116 | 116 |  | 116 | 116 |
| 9 |  | -- | -- |  | 58 | 58 |  | 58 | 58 |
| 70 |  | 19 | 19 |  | 58 | 58 |  | 77 | 77 |
| 1 |  | - - | - - |  | 46 | 46 |  | 46 | 46 |
| 2 |  | -- | -- |  | 37 | 37 |  | 37 | 37 |
| 3 |  | -- | -- |  | 62 | 62 |  | 62 | 62 |
| 4 |  | - | -- |  | 25 | 25 |  | 25 | 25 |
| 5 |  | -- | - - |  | 17 | 17 |  | 17 | 17 |
| 6 |  | -- | -- |  | 12 | 12 |  | 12 | 12 |
| 7 |  | -- | -- |  | 8 | 8 |  | 8 | 8 |
| 8 |  | -- | -- |  | 12 | 12 |  | 12 | 12 |
| 9 |  | -- | - - |  | 4 | 4 |  | 4 | 4 |
| 80 |  | -- | -- |  |  |  |  | -- | -- |
| 1 |  | -- | -- |  |  |  |  | -- | -- |
| 2 |  | 19 | 19 |  |  |  |  | 19 | 19 |
| Total | 6,600 | 1,570 | 8,170 | 9,850 | 6,406 | 16,256 | 16,450 | 7,976 | 24,426 |

Table 15. --Length composition of scrod and large haddock landed from 5Z East and West, December 1956, in hundreds of fish

| $\begin{aligned} & \text { Length } \\ & \text { (cm.) } \end{aligned}$ | 52 East |  |  | 5Z West |  |  | 52. Total |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Scrod | Large | Total | Scrod | Large | Total | Scrod | Large | Total |
| 35 | 21 |  | 21 | 24 |  | 24 | 45 |  | 45 |
| 6 | 136 |  | 136 | 24 |  | 24 | 160 |  | 160 |
| 7 | 126 |  | 126 | 108 |  | 108 | 234 |  | 234 |
| 8 | 356 |  | 356 | 84 |  | 84 | 440 |  | 440 |
| 9 | 576 |  | 576 | 276 |  | 276 | 852 |  | 852 |
| 40 | 723 |  | 723 | 324 |  | 324 | 1,047 |  | 1,047 |
| 1 | 922 |  | 922 | 767 |  | 767 | 1,689 |  | 1,689 |
| 2 | 650 |  | 650 | 839 |  | 839 | 1,489 |  | 1,489 |
| 3 | 660 | 36 | 696 | 1,055 | 7 | 1, 062 | 1,715 | 43 | 1,758 |
| 4 | 335 | -- | 335 | 1,007 | 15 | 1, 022 | 1,342 | 15 | 1,357 |
| 5 | 429 | 36 | 465 | 1,198 | 8 | 1,206 | 1,627 | 44 | 1,671 |
| 6 | 262 | -- | 262 | 1,055 | 15 | 1,070 | 1,317 | 15 | 1,332 |
| 7 | 293 | 73 | 366 | 719 | 48 | 767 | 1,012 | 121 | 1,133 |
| 8 | 105 | 73 | 178 | 636 | 61 | 697 | 741 | 134 | - 875 |
| 9 | 42 | 36 | 78 | 456 | 156 | 612 | 498 | 192 | 690 |
| 50 | 52 | 73 | 125 | 408 | 276 | 684 | 460 | 349 | 809 |
| 1 | 10 | 183 | 193 | 324 | 385 | 709 | 334 | 568 | 902 |
| 2 | 21 | 147 | 168 | 252 | 522 | 774 | 273 | 669 | 942 |
| 3 |  | 110 | 110 | 84 | 504 | 588 | 84 | 614 | 698 |
| 4 |  | 36 | 36 | 60 | 659 | 719 | 60 | 695 | 755 |
| 5 |  | 110 | 110 | 12 | 675 | 687 | 12 | 785 | 797 |
| 6 |  | 36 | 36 | 24 | 640 | 664 | 24 | 676 | 700 |
| 7 |  | 36 | 36 | 12 | 586 | 598 | 12 | 622 | 634 |
| 8 |  | -- |  | 12 | 516 | 528 | 12 | 516 | 528 |
| 9 |  | 182 | 182 |  | 498 | 498 |  | 680 | 680 |
| 60 |  | 73 | 73 |  | 334 | 334 |  | 407 | 407 |
| 1 |  | 110 | 110 |  | 246 | 246 |  | 356 | 356 |
| 2 |  | 110 | 110 |  | 271 | 271 |  | 381 | 381 |
| 3 |  | 73 | . 73 |  | 254 | 254 |  | 327 | 327 |
| 4 |  | 36 | 36 |  | 175 | 175 |  | 211 | 211 |
| 5 |  |  |  |  | 152 | 152 |  | 152 | 152 |
| 6 |  |  |  |  | 102 | 102 |  | 102 | 102 |
| 7 |  |  |  |  | 105 | 105 |  | 105 | 105 |
| 8 |  |  |  |  | 80 | 80 |  | 80 | 80 |
| 9 |  |  |  |  | 80 | 80 |  | 80 | 80 |
| 70 |  |  |  |  | 44 | 44 |  | 44 | 44 |
| 1 |  |  |  |  | 40 | 40 |  | 40 | 40 |
| 2 |  |  |  |  | 29 | 29 |  | 29 | 29 |
| 3 |  |  |  |  | 33 | 33 |  | 33 | 33 |
| 4 |  |  |  |  | 25 | 25 |  | 25 | 25 |
| 5 |  |  |  |  | 11 | 11 |  | 11 | 11 |
| 6 |  |  |  |  | 4 | 4 |  | 4 | 4 |
| 7 |  |  |  |  | 4 | 4 |  | 4 | 4 |
| 8 |  |  |  |  | 4 | 4 |  | 4 | 4 |
| 9 |  |  |  |  | 4 | 4 |  | 4 | 4 |
| 80 |  |  |  |  | -- | -- |  | -- | -- |
| 1 |  |  |  |  | -- | -- |  | -- | -- |
| 2 |  |  |  |  | -- | -- |  | -- | -- |
| 3 |  |  |  |  | -- | -- |  | -- | -- |
| 4 |  |  |  |  | -- | -- |  | -- | -- |
| 5 |  |  |  |  | -- | -- |  | -- | -- |
| 6 |  |  |  |  | 4 | 4 |  | 4 | 4 |
| Total | 5,719 | 1,569 | 7,288 | 9,760 | 7,572 | 17,332 | 15,479 | 9,141 | 24, 620 |

Table 16.--Length composition of scrod and large haddock landed from 5Z East and West, January 1957, in hundreds of fish

| Length$(\mathrm{cm} .)$ | 5Z East |  |  | 52 West |  |  | 52 Total |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Scrod | Large | Total | Scrod | Large ${ }^{\text {' }}$ | Total | Scrod | Large | Total |
| 35 | 7 |  | 7 | 26 |  | 26 | 33 |  | 33 |
| 6 | 20 |  | 20 | 13 |  | 13 | 33 |  | 33 |
| 7 | 53 |  | 53 | 37 |  | 37 | 90 |  | 90 |
| 8 | 72 |  | 72 | 26 |  | 26 | 98 |  | 98 |
| 9 | 131 |  | 131 | 65 |  | 65 | 196 |  | 196 |
| 40 | 223 |  | 223 | 218 |  | 218 | 441 |  | 441 |
| 1 | 327 |  | 327 | 310 |  | 310 | 637 |  | 637 |
| 2 | 217 |  | 217 | 513 |  | 513 | 730 |  | 730 |
| 3 | 243 |  | 243 | 603 |  | 603 | 846 |  | 846 |
| 4 | 301 |  | 301 | 617 |  | 617 | 918 |  | 918 |
| 5 | 289 | 5 | 294 | 666 |  | 666 | 955 | 5 | 960 |
| 6 | 269 | 5 | 274 | - 616 |  | 616 | 885 | 5 | 890 |
| 7 | 223 | 21 | 244 | 654 | 8 | 662 | 877 | 29 | 906 |
| 8 | 158 | 36 | 194 | 423 | 25 | 448 | 581 | 61 | 642 |
| 9 | 158 | 94 | 252 | 448 | 33 | 481 | 606 | 127 | 733 |
| 50 | 105 | 83 | 188 | 282 | 75 | 357 | 387 | 158 | 545 |
| 1 | 39 | 172 | 211 | 295 | 174 | 469 | 334 | 346 | 680 |
| 2 | 20 | 166 | 186 | 141 | 291 | 432 | 181 | 457 | 618 |
| 3 | 20 | 152 | 172 | 90 | 388 | 478 | 110 | 540 | 650 |
| 4 | 7 | 152 | 159 | 50 | 507 | 557 | 57 | 659 | 716 |
| 5 |  | 198 | 198 | 128 | 307 | 435 | 128 | 505 | 633 |
| 6 |  | 88 | 88 | 51 | 523 | 574 | 51 | 611 | 662 |
| 7 |  | 100 | 100 | 26 | 382 | 408 | 26 | 482 | 508 |
| 8 |  | 100 | 100 | 51 | 489 | 540 | 51 | 589 | 640 |
| 9 |  | 83 | 8.3 | 26 | 399 | 425 | 26 | 482 | 508 |
| 60 |  | 78 | 78 | 13 | 265 | '278 | 13 | 343 | 356 |
| 1 |  | 36 | 3 f |  | 233 | 233 | -- | 269 | 269 |
| 2 |  | 31 | 3. | 13 | 199 | 212 | 13 | 230 | 243 |
| 3 |  | 62 | $\therefore$ |  | 234 | 234 |  | 296 | 296 |
| 4 |  | 42 | $\because$ |  | 216 | 216 |  | 258 | 258 |
| 5 |  | 26 | 23 |  | 108 | 108 |  | 134 | 134 |
| 6 |  | 26 | 26 |  | 124 | 124 |  | 150 | 150 |
| 7 |  | 21 | 21 |  | 50 | 50 |  | 71 | 71 |
| 8 |  | 31 | 31 |  | 109 | 109 |  | 140 | 140 |
| 9 |  | 10 | 10 |  | 42 | 42 |  | 52 | 52 |
| 70 |  | 11 | 10 |  | 33 | 33 |  | 43 | 43 |
| 1 |  | 10 | 10 |  | 43 | 43 |  | 53 | 53 |
| 2 |  | 5 | 5 |  | 42 | 42 |  | 47 | 47 |
| 3 |  | 5 | 5 |  | 8 | $\delta$ |  | 13 | 13 |
| 4 |  | 10 | 10 |  | 26 | 26 |  | 36 | 36 |
| 5 |  | 5 | 5 |  | -- | -- |  | 5 | 5 |
| 6 |  | 5 | 5 |  | -- | -- |  | 5 | 5 |
| 7 |  |  |  |  | 8 | 8 |  | 8 | 8 |
| 8 |  |  |  |  | 9 | 9 |  | 9 | 9 |
| 9 |  |  |  |  | 8 | 8 |  | 8 | 8 |
| 80 |  |  |  |  | 8 | 8 |  | 8 | 8 |
| Total | 2,882 | 1,868 | 4,750 | $\cdots$ | 5. 366 | 11,767 | 9,283 | 7,234 | 16,57 |

Table 17. --Length composition of scrod and large haddock landed from 5Z East and West, 1956 Haddock Year, in hundreds of fish

| Length ( cm .) | 5Z East |  |  | 52 West |  |  | 52 Total |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Scrod | Large | Total | Scrod | Large | Total | Scrod | Large | Total |
| 32 | 16 |  | 16 |  |  |  | 16 |  | 16 |
| 3 | 71 |  | 71 | 58 |  | 58 | 129 |  | 129 |
| 4 | 164 |  | 164 | 83 |  | 83 | 247 |  | 247 |
| 5 | 535 |  | 535 | 350 |  | 350 | 885 |  | 885 |
| 6 | 1,195 |  | 1,195 | 1,002 | 12 | 1,014 | 2,197 | 12 | 2,209 |
| 7 | 2,326 |  | 2,326 | 1,700 | -- | 1,700 | 4, 026 | -- | 4, 026 |
| 8 | 3,557 |  | 3, 557 | 3,327 | -- | 3, 327 | 6, 884 | -- | 6,884 |
| 9 | 6,052 | 13 | 6, 065 | 5,862 | 13 | 5,875 | 11,914 | 26 | 11,940 |
| 40 | 7,978 | -- | 7,978 | 8,597 | 19 | 8,616 | 16,575 | 19 | 16,594 |
| 1 | 9, 818 | 6 | 9,824 | 10,910 | 47 | 10,957 | 20,728 | 53 | 20,781 |
| 2 | 9,080 | -- | 9, 080 | 11,640 | 66 | 11,706 | 20,720 | 66 | 20,786 |
| 3 | 10,229 | 54 | 10,283 | 13,547 | 122 | 13,669 | 23,776 | 176 | 23,952 |
| 4 | 3,949 | 6 | 9,955 | 14,233 | 102. | 14,335 | 24,182 | 108 | 24,290 |
| 5 | 9,437 | 127 | 9,564 | 12,688 | 145 | 12,833 | 22, 125 | 272 | 22,397 |
| 6 | 9,630 | 190 | G, 820 | 12,435 | 249 | 12,684 | 22,065 | 439 | 22,504 |
| 7 | 8.032 | 410 | 9.442 | 11,083 | 573 | 11,656 | 20,115 | 983 | 21,098 |
| 8 | 8, 173 | 853 | 8,026 | 10,224 | 1,051 | 11,275 | 18,397 | 1,904 | 20,301 |
| 9 | E, 921 | 1,670 | 8,591 | 8, 045 | 1,547 | 9,592 | 14,966 | 3,217 | 18,183 |
| 50 | 5,084 | 2,308 | 7,392 | 7, 221 | 2,786 | 10,007 | 12,305 | 5,094 | 17,399 |
| 1 | 3,186 | 4,047 | 7,233 | 5,656 | 3,990 | 9,646 | 8,842 | 8,037 | 16,879 |
| 2 | 2,260 | 4,000 | 6, 260 | 3,394 | 5,203 | 8,687 | 5,654 | 9,293 | 14,947 |
| 3 | 955 | 4,170 | 5,125 | 1,983 | 6,066 | 8, 049 | 2,938 | 10,236 | 13,174 |
| 4 | 632 | 3,985 | 4,617 | 1,416 | 6,481 | 7,897 | 2,048 | 10,466 | 12,514 |
| 5 | 239 | 3,783 | 4,022 | 899 | 6,447 | 7,346 | 1,138 | 10,230 | 11,368 |
| 6 | 170 | 3,155 | 3,325 | 719 | 6,105 | 6,824 | 889 | 9,260 | 10,149 |
| 7 | 22 | 2,492 | 2,514 | 386 | 5,207 | 5,593 | 408 | 7,699 | 8,107 |
| 8 |  | 2,232 | 2, 232 | 359 | 4,811 | 5,170 | 359 | 7,043 | 7,402 |
| 9 |  | 2,181 | 2,181 | 164 | 4,412 | 4,576 | 164 | 6,593 | 6,757 |
| 60 |  | 1,255 | 1,255 | 61 | 3,380 | 3, 441 | 61 | 4,635 | 4, 696 |
| 1 |  | 1,412 | 1, 412 | 31 | 2,917 | 2,948 | 31 | 4,329 | 4,360 |
| 2 |  | 1,230 | 1,230 | 44 | 2,489 | 2,533 | 44 | 3, 719 | 3, 763 |
| 3 |  | 968 | 968 |  | 2,377 | 2,377 |  | 3,345 | 3,345 |
| 4 |  | 724 | 724 |  | 1,964 | 1,964 |  | 2,688 | 2,688 |
| 5 |  | 568 | 568 |  | 1,668 | 1,668 |  | 2,236 | 2,236 |
| 6 |  | 420 | 420 |  | 1,496 | 1,496 |  | 1,916 | 1,916 |
| 7 |  | 410 | 410 |  | 1,232 | 1,234 |  | 1,644 | 1,644 |
| 8 |  | 236 | 236 |  | 1,224 | 1,224 |  | 1,460 | 1, 460 |
| 9 |  | 97 | 97 |  | 85: | 854 |  | 951 | 951 |
| 70 |  | 294 | 294 |  | 673 | 673 |  | 967 | 967 |
| 1 |  | 226 | 226 |  | 420 | 429 |  | 655 | 655 |
| 2 |  | 73 | 73 |  | 472 | 472 |  | 545 | 545 |
| 3 |  | 55 | 55 |  | 223 | 223 |  | 278 | 278 |
| 4 |  | 110 | 110 |  | 134 | 134 |  | 244 | 244 |
| 5 |  | 5 | 5 |  | 80 | 80 |  | 85 | 85 |
| 6 |  | 11 | 11 |  | 81 | 81 |  | 92 | 92 |
| 7 |  | -- | -- |  | 77 | 77 |  | 77 | 77 |
| 8 |  | 41 | 41 |  | 42 | 42 |  | 83 | 83 |
| 9 |  | -- | -- |  | 47 | 47 |  | 47 | 47 |
| 80 |  | -- | -- |  | 23 | 23 |  | 23 | 23 |
| 1 |  | -- | -- |  | 8 | 8 |  | 8 | 8 |
| 2 |  | 19 | 19 |  | 6 | 6 |  | 25 | 25 |
| 3 |  |  |  |  | -- | -- |  | -- | -- |
| 4 |  |  |  |  | 6 | 6 |  | 6 | 6 |
| 5 |  |  |  |  | -- | -- |  | -- | -- |
| 6 |  |  |  |  | 4 | 4 |  | 4 | 4 |

Total $116,71143,836160,547148,117 \quad 77,452225,569264,828121,288 \quad 386,116$

Table 18. --Length composition of scrod and large haddock landed from $5 Y$ North and South, Spring 1956, in hundreds of fish

| Length$(\mathrm{cm} .)$ | 5 Y North |  |  | 5 Y South |  |  | 5 Y Total |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Scrod | Large | Total | Scrod | Large | Total | Scrod | Large | Total |
| 31 | 7 |  | 7 |  |  |  | 7 |  | 7 |
| 2 | -- |  | -- |  |  |  | -- |  | -- |
| 3 | -- |  | -- |  |  |  | -- |  | -- |
| 4 | -- |  | -- | 42 |  | 42 | 42 |  | 42 |
| 5 | 14 |  | 14 | 42 |  | 42 | 56 |  | 56 |
| 6 | 7 |  | 7 | 105 |  | 105 | 112 |  | 112 |
| 7 | 21 |  | 21 | 296 |  | 296 | 317 |  | 317 |
| 8 | 63 |  | 63 | 275 |  | 275 | 338 |  | 338 |
| 9 | 140 |  | 140 | 359 |  | 359 | 499 |  | 499 |
| 40 | 168 |  | 168 | 211 |  | 211 | 379 |  | 379 |
| 1 | 286 |  | 286 | 614 |  | 614 | 900 |  | 900 |
| 2 | 370 |  | 370 | 232 |  | 232 | 602 |  | 602 |
| 3 | 454 | 8 | 462 | 549 |  | 549 | 1,003 | 8 | 1,011 |
| 4 | 678 | 4 | 682 | 422 |  | 422 | 1,100 | 4 | 1,104 |
| 5 | 734 | 8 | 742 | 507 |  | 507 | 1,241 | 8 | 1,249 |
| 6 | 1,083 | 27 | 1,110 | 465 |  | 465 | 1,548 | 27 | 1,575 |
| 7 | 1,138 | 65 | 1,203 | 465 |  | 465 | 1,503 | 65 | 1,668 |
| 8 | 1,222 | 107 | 1,329 | 444 | 16 | 460 | 1,366 | 123 | 1,789 |
| 9 | 1,104 | 198 | 1,302 | 486 | 32 | 518 | 1,590 | 230 | 1, 320 |
| 50 | 790 | 302 | 1,092 | 422 | 129 | 551 | 1,212 | 431 | 1,643 |
| 1 | 405 | 469 | 874 | 338 | 322 | 660 | 743 | 791 | 1,534 |
| 2 | 426 | 538 | 964 | 275 | 322 | 597 | 701 | 860 | 1,561 |
| 3 | 147 | 580 | 727 | 42 | 242 | 284 | 189 | 822 | 1,011 |
| 4 | 105 | 504 | 609 | 42 | 322 | 364 | 147 | 826 | 1973 |
| 5 | 56 | 469 | 525 | 21 | 403 | 424 | 77 | 872 | 949 |
| 6 | -- | 596 | 596 |  | 355 | 355 | -- | 951 | 951 |
| 7 | 7 | 424 | 431 |  | 338 | 338 | 7 | 762 | 769 |
| 8 | -- | 435 | 435 |  | 355 | 355 | -- | 790 | 790 |
| 9 | -- | 405 | 405 |  | 258 | 258 | -- | 663 | 663 |
| 60 | 7 | 351 | 35. |  | 274 | 274 | 7 | 625 | 632 |
| 1 |  | 328 | 328 |  | 145 | 145 |  | 473 | 473 |
| 2 |  | 256 | $\bigcirc 5$ |  | 145 | 145 |  | 401 | 401 |
| 3 |  | 244 | 244 |  | 226 | 226 |  | 470 | 470 |
| 4 |  | 149 | $\pm 49$ |  | 80 | 80 |  | 229 | 229 |
| 5 |  | 114 | 114 |  | 113 | 113 |  | 227 | 227 |
| 6 |  | 88 | 88 |  | 64 | 64 |  | 152 | 152 |
| 7 |  | 84 | 84 |  | 64 | 64 |  | 148 | 148 |
| 8 |  | 53 | 53 |  | 48 | 48 |  | 101 | 101 |
| 9 |  | 65 | 65 |  | 16 | 16 |  | 81 | 81 |
| 70 |  | 57 | 57 |  | 32 | 32 |  | 89 | 89 |
| 1 |  | 19 | 19 |  |  |  |  | 19 | 19 |
| 2 |  | 23 | 23 |  |  |  |  | 23 | 23 |
| 3 |  | 15 | 5 |  |  |  |  | 15 | 15 |
| 4 |  | 15 | 15 |  |  |  |  | 15 | 15 |
| 5 |  | 4 | 4 |  |  |  |  | 4 | 4 |
| 6 |  | -- | -. |  |  |  |  | -- | -- |
| 7 |  | 4 | 4 |  |  |  |  | 4 | - |
| 8 |  |  | -- |  |  |  |  | 4 | -- |
| 9 |  | -- | -- |  |  |  |  | -- | - |
| 80 |  | 4 | 4 |  |  |  |  | 4 | 4 |

Total $9,432 \quad 7,012 \quad 16,444 \quad 6,654 \quad 4,301 \quad 10,955 \quad 10,605 \quad 11,313 \quad 27,399$

Table 19.--Length composition of scrod and large haddock landed from $5 Y$ North and South, Summer 1956, in hundreds of fish

| Length$(\mathrm{cm} .)$ | 5 Y North |  |  | 5 Y South |  |  | 5 Y Total |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Scrod | Large | Total | Scrod | Large | Total | Scrod | Large | Total |
| 35 | 2 |  | 2 |  |  |  | 2 |  | 2 |
| 6 | 4 |  | 4 |  |  |  | 4 |  | 4 |
| 7 | 6 |  | 6 |  |  |  | 6 |  | 6 |
| 8 | 10 |  | 10 |  |  |  | 10 |  | 10 |
| 9 | 21 |  | 21 | 9 |  | 9 | 30 |  | 30 |
| 40 | 54 |  | 54 | 9 |  | 9 | 63 |  | 63 |
| 1 | 67 |  | 67 | -- |  | -- | 67 |  | 67 |
| 2 | 106 |  | 106 | 47 |  | 47 | 153 |  | 153 |
| 3 | 113 |  | 113 | 65 |  | 65 | 178 |  | 178 |
| 4 | 177 |  | 177 | 159 |  | 159 | 336 |  | 336 |
| 5 | 205 |  | 205 | 197 |  | 197 | 402 |  | 402 |
| 6 | 270 |  | 270 | 103 |  | 103 | 373 |  | 373 |
| 7 | 245 |  | 245 | 187 | 4 | 191 | 432 | 4 | 436 |
| 8 | 221 | 8 | 229 | 122 | - | 122 | 343 | 8 | 351 |
| 9 | 232 | 12 | 244 | 84 | 13 | 97 | 316 | 25 | 341 |
| 50 | 180 | 32 | 212 | 131 | 17 | 148 | 311 | 49 | 360 |
| 1 | 173 | 72 | 245 | 140 | 38 | 178 | 313 | 110 | 423 |
| 2 | 117 | 85 | 202 | 37 | 76 | 113 | 154 | 161 | 315 |
| 3 | 79 | 116 | 195 | 47 | 88 | 135 | 126 | 204 | 330 |
| 4 | 42 | 123 | 165 | 19 | 88 | 107 | 61 | 211 | 272 |
| 5 | 42 | 118 | 160 | 19 | 147 | 166 | 61 | 265 | 326 |
| 6 | 31 | 146 | 177 | - | 130 | 130 | 31 | 276 | 307 |
| 7 | 21 | 105 | 126 | -- | 122 | 122 | 21 | 227 | 248 |
| 8 | 6 | 123 | 129 | -- | 182 | 182 | 6 | 305 | 311 |
| 9 | 4 | 102 | 106 | -- | 63 | 63 | 4 | 165 | 169 |
| 60 | 17 | 111 | 128 | 9 | 59 | 68 | 26 | 170 | 196 |
| 1 |  | 93 | 93 | 9 | 97 | 106 | 9 | 190 | 199 |
| 2 |  | 82 | 82 |  | 92 | 92 |  | 174 | 174 |
| 3 |  | 72 | 72 |  | 67 | 67 |  | 139 | 139 |
| 4 |  | 62 | 62 |  | 105 | 105 |  | 167 | 167 |
| 5 |  | 61 | 61 |  | 63 | 63 |  | 124 | 124 |
| 6 |  | 39 | 39 |  | 55 | 55 |  | 94 | 94 |
| 7 |  | 30 | 30 |  | 63 | 63 |  | 93 | 93 |
| 8 |  | 32 | 32 |  | 35 | 33 |  | 65 | 65 |
| 9 |  | 26 | 26 |  | 21 | 21 |  | 47 | 47 |
| 70 |  | 19 | 19 |  | 29 | 29 |  | 48 | 48 |
| 1 |  | 17 | 17 |  | 13 | 13 |  | 30 | 30 |
| 2 |  | 16 | 16 |  | 8 | 8 |  | 24 | 24 |
| 3 |  | 8 | 8 |  | 17 | 17 |  | 25 | 25 |
| 4 |  | 12 | 12 |  | 4 | 4 |  | 16 | 16 |
| 5 |  | 8 | 8 |  |  |  |  | 8 | 8 |
| 6 |  | 1 | 1 |  |  |  |  | 1 | 1 |
| 7 |  | 1 | 1 |  |  |  |  | 1 | 1 |
| 8 |  | 1 | 1 |  |  |  |  | 1 | 1 |
| Total | 2,445 | 1,733 | 4,178 | 1,393 | 1,694 | 3,087 | 3,838 | 3,427 | 7,265 |

Table 20. - Length composition of scrod and large haddock landed from 5 Y North and South, Fall 1956, in hundreds of fish

| Length(cm.) | 5 Y North |  |  | 5 Y South |  |  | 5 Y Total |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Scrod | Large | Total | Scrod | Large | Total | Scrod | Large | Total |
| 35 | 1 |  | 1 |  |  |  | 1 |  | 1 |
| 6 | 4 |  | 4 | 16 |  | 16 | 20 |  | 20 |
| 7 | 11 |  | 11 | - |  | -- | 11 |  | 11 |
| 8 | 19 |  | 19 | -- |  | -- | 19 |  | 19 |
| 9 | 28 |  | 28 | 16 |  | 16 | 44 |  | 44 |
| 40 | 31 |  | 31 | 47 |  | 47 | 78 |  | 78 |
| 1 | 48 |  | 48 | 62 |  | 62 | 110 |  | 110 |
| 2 | 38 |  | 38 | 109 |  | 109 | 147 |  | 147 |
| 3 | 36 |  | 36 | 172 |  | 172 | 208 |  | 208 |
| 4 | 40 | 1 | 41 | 265 |  | 265 | 305 | 1 | 306 |
| 5 | 38 | 1 | 39 | 436 |  | 436 | 474 | 1 | 475 |
| 6 | 49 | 2 | 51 | 343 |  | 343 | 392 | 2 | 394 |
| 7 | 63 | 5 | 68 | 561 | 7 | 568 | 624 | 12 | 636 |
| 8 | 59 | 13 | 72 | 530 | 20 | 550 | 589 | 33 | 622 |
| 9 | 73 | 15 | 88 | 405 | 46 | 451 | 478 | 61 | 539 |
| 50 | 69 | 22 | 91 | 421 | 79 | 500 | 490 | 101 | 591 |
| 1 | 67 | 41 | 108 | 249 | 66 | 315 | 316 | 107 | 423 |
| 2 | 56 | 50 | 106 | 156 | 158 | 314 | 212 | 208 | 420 |
| 3 | 52 | 53 | 105 | 78 | 178 | 256 | 130 | 231 | 361 |
| 4 | 29 | 56 | 85 | 31 | 191 | 222 | 60 | 247 | 307 |
| 5 | 22 | 57 | 79 |  | 297 | 297 | 22 | 354 | 376 |
| 6 | 10 | 63 | 73 |  | 337 | 337 | 10 | 400 | 410 |
| 7 | 6 | 58 | 64 |  | 231 | 231 | 6 | 289 | 295 |
| 8 | 6 | 48 | 54 |  | 218 | 218 | 6 | 266 | 272 |
| 9 | 3 | 51 | 54 |  | 310 | 310 | 3 | 361 | 364 |
| 60 | 1 | 55 | 56 |  | 211 | 211 | 1 | 266 | 267 |
| 1 | 1 | 42 | 43 |  | 119 | 119 | 1 | 161 | 162 |
| 2 |  | 45 | 45 |  | 158 | 158 |  | 203 | 203 |
| 3 |  | 39 | 39 |  | 165 | 165 |  | 204 | 204 |
| 4 |  | 28 | 28 |  | 125 | 125 |  | 153 | 153 |
| 5 |  | 30 | 30 |  | 132 | 132 |  | 162 | 162 |
| 6 |  | 21 | 21 |  | 92 | 92 |  | 113 | 113 |
| 7 |  | 20 | 20 |  | 106 | 106 |  | 126 | 126 |
| 8 |  | 18 | 18 |  | 20 | 20 |  | 38 | 38 |
| 9 |  | 14 | 14 |  | 40 | 40 |  | 54 | 54 |
| 70 |  | 9 | 9 |  | 26 | 26 |  | 35 | 35 |
| 1 |  | 5 | 5 |  | 13 | 13 |  | 18 | 18 |
| 2 |  | 6 | 6 |  | 26 | 26 |  | 32 | 32 |
| 3 |  | 5 | 5 |  | 20 | 20 |  | 25 | 25 |
| 4 |  | 4 | 4 |  | 7 | 7 |  | 11 | 11 |
| 5 |  | 4 | 4 |  | -- | -- |  | 4 | 4 |
| 6 |  | 3 | 3 |  | 7 | 7 |  | 10 | 10 |
| 7 |  | 1 | 1 |  | 7 | 7 |  | 8 | 8 |
| Total | 860 | 885 | 1,745 | 3,897 | 3,412 | 7,309 | 4,757 | 4,297 | 9,054 |

Table 21. --Length composition of scrod and large haddock landed from 5 Y North and South, Winter 1956, in hundreds of fish

| $\begin{gathered} \text { Length } \\ (\mathrm{cm} .) \end{gathered}$ | 5 Y North |  |  | 5 Y South |  |  | 5 Y Total |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Scrod | Large | Total | Scrod | Large | Total | Scrod | Large | Total |
| 35 | 2 |  | 2 |  |  |  | 2 |  | 2 |
| 6 | 5 |  | 5 |  |  |  | 5 |  | 5 |
| 7 | 2 |  | 2 |  |  |  | 2 |  | 2 |
| 8 | 4 |  | 4 |  |  |  | 4 |  | 4 |
| 9 | 13 |  | 13 |  |  |  | 13 |  | 13 |
| 40 | 13 |  | 13 | 9 |  | 9 | 22 |  | 22 |
| 1 | 25 |  | 25 | 35 |  | 35 | 60 |  | 60 |
| 2 | 16 |  | 16 | 44 |  | 44 | 60 |  | 60 |
| 3 | 26 |  | 26 | 53 |  | 53 | 79 |  | 79 |
| 4 | 60 |  | 60 | 62 |  | 62 | 122 |  | 122 |
| 5 | 49 |  | 49 | 106 | 2 | 108 | 155 | 2 | 157 |
| 6 | 47 |  | 47 | 159 | -- | 159 | 206 | -- | 206 |
| 7 | 64 |  | 64 | 238 | -- | 238 | 302 | -- | 302 |
| 8 | 69 | 3 | 72 | 247 | 3 | 250 | 316 | 6 | 322 |
| 9 | 69 | 10 | 79 | 221 | 8 | 229 | 290 | 18 | 308 |
| 50 | 82 | 13 | 95 | 230 | 21 | 251 | 312 | 34 | 346 |
| 1 | 47 | 29 | 76 | 194 | 28 | 222 | 241 | 57 | 298 |
| 2 | 31 | 37 | 68 | 168 | 55 | 223 | 199 | 92 | 291 |
| 3 | 20 | 57 | 77 | 79 | 65 | 144 | 99 | 122 | 221 |
| 4 | 11 | 63 | 74 | 35 | 91 | 126 | 46 | 154 | 200 |
| 5 | 9 | 77 | 86 | 18 | 63 | 81 | 27 | 140 | 167 |
| 6 | 4 | 56 | 60 | 9 | 62 | 71 | 13 | 118 | 131 |
| 7 |  | 59 | 59 |  | 75 | 75 |  | 134 | 134 |
| 8 |  | 56 | 56 |  | 91 | 91 |  | 147 | 147 |
| 9 |  | 39 | 39 |  | 57 | 57 |  | 96 | 96 |
| 60 |  | 34 | 34 |  | 45 | 45 |  | 79 | 79 |
| 1 |  | 40 | 40 |  | 42 | 42 |  | 82 | 82 |
| 2 |  | 32 | 32 |  | 36 | 36 |  | 68 | 68 |
| 3 |  | 38 | 38 |  | 26 | 26 |  | 64 | 64 |
| 4 |  | 14 | 14 |  | 29 | 29 |  | 43 | 43 |
| 5 |  | 21 | 21 |  | 16 | 16 |  | 37 | 37 |
| 6 |  | 24 | 24 |  | 16 | 16 |  | 40 | 40 |
| 7 |  | 24 | 24 |  | 13 | 13 |  | 37 | 37 |
| 8 |  | 8 | 8 |  | 16 | 16 |  | 24 | 24 |
| 9 |  | 9 | 9 |  | 13 | 13 |  | 22 | 22 |
| 70 |  | 5 | 5 |  | 8 | 8 |  | 13 | 13 |
| 1 |  | 10 | 10 |  | -- | -- |  | 10 | 10 |
| 2 |  | 4 | 4 |  | -- | -- |  | 4 | 4 |
| 3 |  | 3 | 3 |  | 5 | 5 |  | 8 | 8 |
| 4 |  | 6 | 6 |  | -- | -- |  | 6 | 6 |
| 5 |  | 1 | 1 |  | 2 | 2 |  | 3 | 3 |
| Total | 668 | 772 | 1,440 | 1,907 | 888 | 2,795 | 2,575 | 1,660 | 4,235 |

Table 22. - Length composition of scrod and large haddock landed from 5 Y North and South, 1956 Haddock Year, in hundreds of fish

| Length | 5 Y North |  |  | 5 Y South |  |  | 5 Y Total |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| (cm.) | Scrod | Large | Total | Scrod | Large | Total | Scrod | Large | Total |


| 31 | 7 |  | 7 |  |  |  | 7 |  | 7 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2 | -- |  | -- |  |  |  | -- |  | -- |
| 3 | -- |  | -- |  |  |  | -- |  | -- |
| 4 | -- |  | -- | 42 |  | 42 | 42 |  | 42 |
| 5 | 19 |  | 19 | 42 |  | 42 | 61 |  | 61 |
| 6 | 20 |  | 20 | 121 |  | 121 | 141 |  | 141 |
| 7 | 40 |  | 40 | 296 |  | 296 | 336 |  | 336 |
| 8 | 96 |  | 96 | 275 |  | 275 | 371 |  | 371 |
| 9 | 202 |  | 202 | 384 |  | 384 | 586 |  | 586 |
| 40 | 266 |  | 266 | 276 |  | 276 | 542 |  | 542 |
| 1 | 426 |  | 426 | 711 |  | 711 | 1,137 |  | 1,137 |
| 2 | 530 |  | 530 | 432 |  | 432 | 962 |  | 962 |
| 3 | 629 | 8 | 637 | 839 |  | 839 | 1,468 | 8 | 1,476 |
| 4 | 955 | 5 | 960 | 908 |  | 908 | 1,863 | 5 | 1,868 |
| 5 | 1,026 | 9 | 1,035 | 1,246 | 2 | 1,248 | 2,272 | 11 | 2,283 |
| 6 | 1,449 | 29 | 1,478 | 1,070 | -- | 1,070 | 2,519 | 29 | 2,548 |
| 7 | 1,510 | 70 | 1,580 | 1,451 | 11 | 1,462 | 2,961 | 81 | 3, 042 |
| 8 | 1,571 | 131 | 1,702 | 1,343 | 39 | 1,382 | 2,914 | 170 | 3,084 |
| 9 | 1,478 | 235 | 1,713 | 1,196 | 99 | 1,295 | 2,674 | 334 | 3,008 |
| 50 | 1,121 | 369 | 1,490 | 1,204 | 246 | 1,450 | 2,325 | 615 | 2,940 |
| 1 | 692 | 611 | 1, 303 | 921 | 454 | 1,375 | 1,613 | 1,065 | 2,678 |
| 2 | 630 | 710 | 1, 340 | 636 | 611 | 1,247 | 1,266 | 1,321 | 2,587 |
| 3 | 298 | 806 | 1,104 | 246 | 573 | 819 | 544 | 1,379 | 1,923 |
| 4 | 187 | 746 | 933 | 127 | 692 | 819 | 314 | 1,438 | 1,752 |
| 5 | 129 | 721 | 850 | 58 | 910 | 968 | 187 | 1,631 | 1,818 |
| 6 | 45 | 861 | 906 | 9 | 884 | 893 | 54 | 1,745 | 1,799 |
| 7 | 34 | 646 | 680 | -- | 766 | 766 | 34 | 1,412 | 1,446 |
| 8 | 12 | 662 | 674 | -- | 846 | 846 | 12 | 1,508 | 1, 520 |
| 9 | 7 | 597 | 604 | -- | 688 | 688 | 7 | 1,285 | 1,292 |
| 60 | 25 | 551 | 576 | 9 | 589 | 598 | 34 | 1,140 | 1,174 |
| 1 | 1 | 503 | 504 | 9 | 403 | 412 | 10 | 906 | 916 |
| 2 |  | 415 | 415 |  | 431 | 431 |  | 846 | 846 |
| 3 |  | 393 | 393 |  | 484 | 484 |  | 877 | 877 |
| 4 |  | 253 | 253 |  | 339 | 339 |  | 592 | 592 |
| 5 |  | 226 | 226 |  | 324 | 324 |  | 550 | 550 |
| 6 |  | 172 | 172 |  | 227 | 227 |  | 399 | 399 |
| 7 |  | 158 | 158 |  | 246 | 246 |  | 404 | 404 |
| \% |  | 111 | 111 |  | 117 | 117 |  | 228 | 228 |
| 9 |  | 114 | 114 |  | 90 | 90 |  | 204 | 204 |
| 70 |  | 46 | 90 |  | 95 | 95 |  | 185 | 185 |
| 1 |  | 51 | 51 |  | 26 | 26 |  | 77 | 77 |
| 2 |  | 4 | 49 |  | 34 | 34 |  | 83 | 83 |
| 3 |  | '41 | 31 |  | 42 | 42 |  | 73 | 73 |
| 4 |  | 37 | 37 |  | 11 | 11 |  | 48 | 48 |
| 5 |  | 17 | 17 |  | 2 | 2 |  | 19 | 19 |
| 6 |  | 4 | 4 |  | 7 | 7 |  | 11 | 11 |
| 7 |  | 6 | 6 |  | 7 | 7 |  | 13 | 13 |
| 8 |  | 1 | 1 |  |  |  |  | 1 | 1 |
| 9 |  | -- | -- |  |  |  |  | -- | -- |
| 80 |  | 4 | 4 |  |  |  |  | 4 | 4 |

Total $13,405 \quad 10,402 \quad 23,807 \quad 13,851 \quad 10,295 \quad 24,146 \quad 27,256 \quad 20,697 \quad 47,953$

Table 23.--Age-l ength composition of haddock discarded at sea in 5Z, 1956 Haddock Year, in hundreds of fish

| Length (cm.) | 5Z East |  |  |  |  | 5Z West |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Years of age |  |  |  | Total | Years of age |  |  |  |  |
|  | 1 | - 2 | 3 | 4 |  | 1 | 2 | 3 | 4 | Total |
| 16 | 1 |  |  |  | 1 |  |  |  |  |  |
| 17 | 1 |  |  |  | 1 |  |  |  |  |  |
| 18 | 1 |  |  |  | 1 |  |  |  |  |  |
| 19 | -- |  |  |  | -- |  |  |  |  |  |
| 20 | 1 |  |  |  | 1 |  |  |  |  |  |
| 21 | 2 |  |  |  | 2 |  |  |  |  |  |
| 22 | 2 |  |  |  | 2 | 2 |  |  |  | 2 |
| 23 | 3 |  |  |  | 3 | 2 |  |  |  | 2 |
| 24 | 7 |  |  |  | 7 | 5 |  |  |  | 5 |
| 25 | 10 |  |  |  | 10 | 11 |  |  |  | 11 |
| 26 | 21 |  |  |  | 21 | 18 |  |  |  | 18 |
| 27 | 33 |  |  |  | 33 | 42 |  |  |  | 42 |
| 28 | 63 |  |  |  | 63 | 79 |  |  |  | 79 |
| 29 | 75 | 13 |  |  | 88 | 96 |  |  |  | 96 |
| 30 | 88 | 63 |  |  | 151 | 116 |  |  |  | 116 |
| 31 | 80 | 101 |  |  | 181 | 94 | 24 |  |  | 118 |
| 32 | 95 | 126 | 16 |  | 237 | 120 | -- |  |  | 120 |
| 33 | 188 | 94 | -- |  | 282 | 89 | - |  |  | 89 |
| 34 | 73 | 235 | -- |  | 308 | 75 | - |  |  | 75 |
| 35 | 59 | 257 | -- |  | 316 | 38 | 38 |  |  | 76 |
| 36 | 83 | 214 | -- | 12 | 309 | 24 | 47 |  |  | 71 |
| 37 | - | 277 | 28 | -- | 305 |  | 61 |  |  | 61 |
| 38 | 16 | 126 | 79 | 16 | 237 |  | 77 |  |  | 77 |
| 39 |  | 153 | 12 | -- | 165 |  | 95 |  |  | 95 |
| 40 |  | 79 | 30 | 10 | 119 |  | 47 |  |  | 47 |
| 41 |  | 52 | -- | 7 | 59 |  | 21 |  |  | 21 |
| 42 |  | 27 |  | -- | 27 |  | 15 |  |  | 15 |
| 43 |  | 14 |  | -- | 14 |  | 4 |  |  | 4 |
| 44 |  | 6 |  | -- | 6 |  | 3 |  |  | 3 |
| 45 |  |  |  | 4 | 4 |  |  |  | 1 | 1 |
| 46 |  |  |  | 4 | 4 |  |  |  | -- | - |
| 47 |  |  |  | 3 | 3 |  |  |  | 2 | 2 |
| 48 |  |  |  | -- | -- |  |  |  |  |  |
| 49 |  |  |  | 1 | 1 |  |  |  |  |  |
| 50 |  |  |  |  |  |  |  |  |  |  |
| Total | 902 | 1,837 | 165 | 57 | 2,961 | 811 | 432 | -- | 3 | 1,246 |

Table 24. --Age-length composition of haddock landed from $5 Z$ East, February 1956, in hundreds of fish

| $\begin{aligned} & \text { Length } \\ & (\mathrm{cm} .) \\ & \hline \end{aligned}$ | Year sof agee |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2 | 3 | 4 | 5 | 6 | 7 | 8 | $9+$ | Total |
| 35 | 17 | 6 |  |  |  |  |  |  | 23 |
| 6 | 15 | 8 |  |  |  |  |  |  | 23 |
| 7 | 15 | 115 |  |  |  |  |  |  | 115 |
| 8 | b4 | 107 |  |  |  |  |  |  | 161 |
| 9 | 2 | 11 | 103 | 35 |  |  |  |  | 151 |
| 40 | 35 | 104 | 69 | -- |  |  |  |  | 208 |
| 1 |  | -- | 392 | -- |  |  |  |  | 392 |
| 2 |  | 289 | 288 | -- |  |  |  |  | 577 |
| 3 |  | -- | 425 | 106 |  |  |  |  | 531 |
| 4 |  | 246 | 246 | 246 |  |  |  |  | 738 |
| 5 |  | 459 | 452 | 1 |  |  |  |  | 912 |
| 6 |  | 141 | 626 | 126 | 124 |  |  |  | 1,017 |
| 7 |  | 8 | 797 | 200 | -- |  |  |  | 1, 005 |
| 8 |  | - | 813 | 322 | -- |  |  |  | 1,135 |
| 9 |  | 75 | 813 | 140 | 108 |  |  |  | 1,136 |
| 50 |  |  | 913 | 177 |  | 27 |  |  | 1,117 |
| 1 |  | -- | 748 | 190 | 210 | -- |  |  | 1,148 |
| 2 |  | 54 | 699 | 215 | 161 | 215 |  |  | 1,344 |
| 3 |  | -- | 440 | 262 | 114 | -- |  |  | 816 |
| 4 |  | -- | 245 | 152 | 276 | 91 |  |  | 764 |
| 5 |  | -- | 228 | 110 | 337 | -- |  |  | 675 |
| 6 |  | 2 | 279 | 80 | 410 | -- |  |  | 771 |
| 7 |  |  | 131 | -- | 350 | -- |  |  | 481 |
| 8 |  |  | -- | 81 | 484 | 81 |  |  | 646 |
| 9 |  |  | 115 | 29 | 172 | 200 | 29 |  | 545 |
| 60 |  |  |  | 114 | 190 | 114 | - |  | 418 |
| 1 |  |  |  | 40 | 79 | 119 | 79 |  | 317 |
| 2 |  |  |  | 47 | 70 | 47 | 117 | 23 | 304 |
| 3 |  |  |  | -- | 138 | 83 | 83 | -- | 304 |
| 4 |  |  |  | - | 145 | 97 | 49 | -- | 291 |
| 5 |  |  |  | -- | 48 | -- | 94 | 48 | 190 |
| 6 |  |  |  | 38 | 38 | -- | 152 | -- | 228 |
| 7 |  |  |  |  | 47 | 46 | 46 | -- | 139 |
| 8 |  |  |  |  |  | 34 | 34 | 33 | 101 |
| 9 |  |  |  |  |  | -- | 13 | 25 | 38 |
| 70 |  |  |  |  |  | 44 | 44 | 89 | 177 |
| 1 |  |  |  |  |  | 64 | -- | 63 | 127 |
| 2 |  |  |  |  |  |  | 51 | -- | 51 |
| 3 |  |  |  |  |  |  | 38 | -- | 38 |
| 4 |  |  |  |  |  |  |  | 76 | 76 |
| Total | 123 | 1,625 | 8,822 | 2,711 | 3,501 | 1,262 | 829 | 357 | 19,230 |

Table 25.--Age-length composition of haddock landed from 5Z East, March 1956, in hundreds of fish

| Length$(\mathrm{cm} .)$ | Years of a g e |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2 | 3 | 4 | 5 | 6 | 7 | 8 | $9+$ | Total |
| 40 | 19 | 58 | 39 |  |  |  |  |  | 116 |
| 1 |  | -- | 174 |  |  |  |  |  | 174 |
| 2 |  | 58 | 58 |  |  |  |  |  | 116 |
| 3 |  | -- | 370 | 93 |  |  |  |  | 463 |
| 4 |  | 212 | 212 | 212 |  |  |  |  | 636 |
| 5 |  | 463 | 463 | -- |  |  |  |  | 926 |
| 6 |  | 123 | 615 | 123 | 123 |  |  |  | 984 |
| 7 |  | 61 | 957 | 241 | 2 |  |  |  | 1,261 |
| 8 |  | -- | 824 | 379 | - |  |  |  | 1,203 |
| 9 |  | 90 | 902 | 157 | 120 |  |  |  | 1,269 |
| 50 |  | -- | 933 | 193 | - | 32 |  |  | 1,158 |
| 1 |  | -- | 648 | 186 | 189 | -- |  |  | 1,023 |
| 2 |  | 34 | 437 | 134 | 101 | 135 |  |  | 841 |
| 3 |  | -- | 592 | 285 | 109 | -- |  |  | 986 |
| 4 |  | -- | 257 | 160 | 424 | 96 |  |  | 937 |
| 5 |  | - | 223 | 117 | 340 | -- |  |  | 680 |
| 6 |  | 9 | 307 | 128 | 417 | 2 |  |  | 863 |
| 7 |  |  | 136 | -- | 362 | -- |  |  | 498 |
| 8 |  |  | -- | 52 | 311 | 52 |  |  | 415 |
| 9 |  |  | 109 | 28 | 164 | 190 | 28 |  | 519 |
| 60 |  |  |  | 68 | 113 | 68 | -- |  | 249 |
| 1 |  |  |  | 57 | 114 | 171 | 114 |  | 456 |
| 2 |  |  |  | 38 | 58 | 38 | 96 | 19 | 249 |
| 3 |  |  |  | -- | 141 | 85 | 85 | -- | 311 |
| 4 |  |  |  | -- | 73 | 48 | 24 | -- | 145 |
| 5 |  |  |  | -- | 47 | -- | 93 | 47 | 187 |
| 6 |  |  |  | 14 | 14 | -- | 55 | -- | 83 |
| 7 |  |  |  |  | 28 | 28 | 27 | -- | 83 |
| 8 |  |  |  |  |  | 14 | 14 | 13 | 41 |
| 9 |  |  |  |  |  | -- | 7 | 14 | 21 |
| 70 |  |  |  |  |  | 10 | 30 | 21 | 41 |
| 1 |  |  |  |  |  | 31 |  | 31 | 62 |
| 2 |  |  |  |  |  |  |  | - | -- |
| 3 |  |  |  |  |  |  |  | -- | -- |
| 4 |  |  |  |  |  |  |  | -- | -- |
| 5 |  |  |  |  |  |  |  | -- | -- |
| 6 |  |  |  |  |  |  |  | -- | -- |
| 7 |  |  |  |  |  |  |  | -- | -- |
| 8 |  |  |  |  |  |  |  | 41 | 41 |
| 9 |  |  |  |  |  |  |  |  |  |
| 80 |  |  |  |  |  |  |  |  |  |
| Total | 19 | 1,108 | 8,256 | 2,665 | 3,250 | 1,000 | 55.3 | 186 | 17, 037 |

Table 26.--Age-length composition of haddock landed from $5 Z$ East, April 1956, in hundreds of fish

| Length <br> (cm.) | Years of a ge |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2 | 3 | 4 | 5 | 6 | 7 | 8 | $9+$ | Total |
| 39 |  |  | 56 | 18 |  |  |  |  | 74 |
| 40 | 8 | 25 | 16 | -- |  |  |  |  | 49 |
| 1 |  |  | 49 | -- |  |  |  |  | 49 |
| 2 |  | 87 | 86 | -- |  |  |  |  | 173 |
| 3 |  | -- | 119 | 30 |  |  |  |  | 149 |
| 4 |  | 66 | 66 | 66 |  |  |  |  | 198 |
| 5 |  | 74 | 74 | -- |  |  |  |  | 148 |
| 6 |  | 9 | 47 | 9 | - |  |  |  | 74 |
| 7 |  | -- | 197 | 49 | -- |  |  |  | 246 |
| 8 |  | -- | 94 | 30 | -- |  |  |  | 124 |
| 9 |  | 31 | 129 | 28 | 15 |  |  |  | 203 |
| 50 |  |  | 230 | 34 | -- | 2 |  |  | 266 |
| 1 |  |  | 99 | 26 | 28 | -- |  |  | 153 |
| 2 |  |  | 33 | -- | -- | 16 |  |  | 49 |
| 3 |  |  | 43 | 37 | 19 | -- |  |  | 99 |
| 4 |  |  | 43 | 27 | 107 | 16 |  |  | 193 |
| 5 |  |  | 24 | 15 | 40 | -- |  |  | 79 |
| 6 |  |  | 22 | 5 | 32 | -- |  |  | 59 |
| 7 |  |  | 22 | -- | 57 | -- |  |  | 79 |
| 8 |  |  | -- | 22 | 134 | 22 |  |  | 178 |
| 9 |  |  | 21 | 5 | 31 | 37 | 5 |  | 99 |
| 60 |  |  |  | 5 | 9 | 6 | -- |  | 20 |
| 1 |  |  |  | 10 | 20 | 29 | 20 |  | 79 |
| 2 |  |  |  | 6 | 9 | 6 | 16 | 3 | 40 |
| 3 |  |  |  |  | -- | -- | -- | -- | -- |
| 4 |  |  |  |  | 20 | 13 | 7 | -- | 40 |
| 5 |  |  |  |  | -- | -- | -- | -- | -- |
| 6 |  |  |  |  | - | -- | - | -- | -- |
| 7 |  |  |  |  | 7 | 7 | 6 | -- | 20 |
| 8 |  |  |  |  |  |  |  | -- | -- |
| 9 |  |  |  |  |  |  |  | -- | -- |
| 70 |  |  |  |  |  |  |  | -- | -- |
| 1 |  |  |  |  |  |  |  | -- | -- |
| 2 |  |  |  |  |  |  |  | -- | -- |
| 3 |  |  |  |  |  |  |  | -- | -- |
| 4 |  |  |  |  |  |  |  | 20 | 20 |
| Total | 8 | 292 | 1,470 | 422 | 537 | 154 | 54 | 23 | 2,960 |
|  |  |  |  |  |  |  |  |  |  |

Table 27. --Age-length composition of haddock landed from $5 Z$ East, May 1956, in hundreds of fish

| Length(cm.) | Ye ar s of a ge |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2 | 3 | 4 | 5 | 6 | 7 | 8 | $9+$ | Total |
| 36 | 113 |  |  |  |  |  |  |  | 113 |
| 7 | 50 | 7 |  |  |  |  |  |  | 57 |
| 8 | 130 | 12 |  |  |  |  |  |  | 142 |
| 9 | 369 | 28 |  |  |  |  |  |  | 397 |
| 40 | 416 | 38 |  |  |  |  |  |  | 454 |
| 1 | 404 | 90 | 45 |  |  |  |  |  | 539 |
| 2 | 443 | 89 | 177 |  |  |  |  |  | 709 |
| 3 | 313 | 210 | 105 | 52 |  |  |  |  | 680 |
| 4 | 170 | 212 | 298 | -- |  |  |  |  | 680 |
| 5 | 61 | 508 | 444 | -- | 56 |  |  |  | 1,069 |
| 6 | 59 | 524 | 231 | -- | -- |  |  |  | 814 |
| 7 | 103 | 205 | 514 | 21 | -- |  |  |  | 843 |
| 8 |  | 322 | 406 | 46 | -- | 46 |  |  | 820 |
| 9 |  | 400 | 561 | -- | -- | -- |  |  | 961 |
| 50 |  | 402 | 455 | 67 | -- | -- |  |  | 924 |
| 1 |  | 133 | 367 | 75 | 38 | -- |  |  | 613 |
| 2 |  | 126 | 483 | 21 | 21 | -- |  |  | 651 |
| 3 |  | -- | 295 | 153 | 29 | 44 | 15 |  | 536 |
| 4 |  | 26 | 205 | 154 | 51 | -- | -- |  | 436 |
| 5 |  | -- | 166 | 125 | 124 | -- | -- |  | 415 |
| 6 |  | 27 | 27 | 138 | 82 | 27 | -- |  | 301 |
| 7 |  | -- | 87 | 88 | 175 | 44 | -- |  | 394 |
| 8 |  | -- | 85 | 56 | 28 | 28 | -- |  | 197 |
| 9 |  | 35 | 35 | 70 | 34 | -- | 34 |  | 208 |
| 60 |  |  | -- | 31 | -- | 62 | 31 |  | 124 |
| 1 |  |  | 16 | 16 | 49 | 33 | -- |  | 114 |
| 2 |  |  | 9 | 38 | 68 | 33 | 6 | 2 | 156 |
| 3 |  |  | -- | -- | -- | 57 | 57 | - | 114 |
| 4 |  |  | 1 | 7 | 17 | 20 | 5 | 2 | 52 |
| 5 |  |  | -- | - | -- | -- | 104 | - | 104 |
| 6 |  |  | -- | -- | - | 21 |  | - | 21 |
| 7 |  |  | 1 | 2 | 1 | 8 | 4 | 5 | 21 |
| 8 |  |  | 1 | 2 | 2 | 10 | 8 | 8 | 31 |
| 9 |  |  |  |  | -- |  | 10 |  | 10 |
| 70 |  |  |  |  | 10 |  |  |  | 10 |
| Total | 2,631 | 3,394 | 5,014 | 1,162 | 785 | 433 | 274 | 17 | 13,710 |

Table 28, --Age-length composition of haddock landed from $5 Z$ East, June 1956, in hundreds of fish

| Length (cm.) | Years of a g e |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2 | 3 | 4 | 5 | 6 | 7 | 8 | $9+$ | Total |
| 35 | 44 |  |  |  |  |  |  |  | 44 |
| 6 | 22 |  |  |  |  |  |  |  | 22 |
| 7 | 272 | 39 |  |  |  |  |  |  | 311 |
| 8 | 204 | 18 |  |  |  |  |  |  | 222 |
| 9 | 434 | 33 |  |  |  |  |  |  | 467 |
| 40 | 877 | 79 |  |  |  |  |  |  | 956 |
| 1 | 751 | 167 | 83 |  |  |  |  |  | 1,001 |
| 2 | 375 | 75 | 150 |  |  |  |  |  | 600 |
| 3 | 267 | 178 | 89 | 44 |  |  |  |  | 578 |
| 4 | 261 | 326 | 458 | -- |  |  |  |  | 1, 045 |
| 5 | 31 | 273 | 243 | -- | 31 |  |  |  | 578 |
| 6 | 65 | 575 | 253 | 1 | -- |  |  |  | 894 |
| 7 | 97 | 195 | 486 | 27 | -- |  |  |  | 805 |
| 8 |  | 360 | 453 | 51 | -- | 52 |  |  | 916 |
| 9 |  | 367 | 584 | -- | -- | -- |  |  | 951 |
| 50 |  | 218 | 399 | 36 | -- | -- |  |  | 653 |
| 1 |  | 219 | 591 | 120 | 60 | -- |  |  | 990 |
| 2 |  | 124 | 561 | 37 | 37 | -- |  |  | 759 |
| 3 |  | -- | 417 | 137 | 46 | 69 | 23 |  | 692 |
| 4 |  | 29 | 231 | 174 | 125 |  | -- |  | 559 |
| 5 |  | 4 | 202 | 145 | 133 | -- | -- |  | 484 |
| 6 |  | 16 | 16 | 78 | 47 | 16 | -- |  | 173 |
| 7 |  | 1 | 48 | 52 | 87 | 21 | -- |  | 209 |
| 8 |  | -- | 46 | 30 | 15 | 15 | -- |  | 106 |
| 9 |  | 13 | 13 | 28 | 13 | -- | 13 |  | 80 |
| 60 |  |  | -- | 10 | -- | 20 | 10 |  | 40 |
| 1 |  |  | 4 | 4 | 11 | 8 | -- |  | 27 |
| 2 |  |  | 4 | 16 | 29 | 34 | 3 | 1 | 67 |
| 3 |  |  | -- | -- | -- | -- | -- | -- | -- |
| 4 |  |  | -. | -- | -- | -- | -- | -- | -- |
| 5 |  |  | -- | -- | -- | -- | -- | -- | -- |
| 6 |  |  | -- | -- | - | -- | -- | - | -- |
| 7 |  |  | 1 | 3 | 1 | 11 | 5 | 6 | 27 |
| Total | 3,700 | 3,309 | 5,332 | 993 | 635 | 226 | 54 | 7 | 14,256 |

Table 29.--Age-length composition of haddock landed from $5 Z$ East, July 1956, in hundreds of fish

| Length (cm.) | $\underline{\mathrm{Y}} \mathrm{ar} \mathrm{r}$ oforge |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2 | 3 | 4 | 5 | 6 | 7 | 8 | $9+$ | Total |
| 32 | 16 |  |  |  |  |  |  |  | 16 |
| 3 | 16 |  |  |  |  |  |  |  | 16 |
| 4 | 78 |  |  |  |  |  |  |  | 78 |
| 5 | 157 |  |  |  |  |  |  |  | 157 |
| 6 | 314 |  |  |  |  |  |  |  | 314 |
| 7 | 412 | 59 |  |  |  |  |  |  | 471 |
| 8 | 705 | 64 |  |  |  |  |  |  | 769 |
| 9 | 846 | 65 |  |  |  |  |  |  | 911 |
| 40 | 965 | 87 |  |  |  |  |  |  | 1, 052 |
| 1 | 930 | 207 | 103 |  |  |  |  |  | 1,240 |
| 2 | 677 | 135 | 271 |  |  |  |  |  | 1,083 |
| 3 | 618 | 413 | 206 | 103 |  |  |  |  | 1,340 |
| 4 | 342 | 426 | 598 | -- |  |  |  |  | 1,366 |
| 5 | 78 | 671 | 591 | -- | 74 |  |  |  | 1,414 |
| 6 | 123 | 1,091 | 483 | -- | -- |  |  |  | 1,697 |
| 7 | 175 | 349 | 873 | 34 | -- |  |  |  | 1,431 |
| 8 |  | 535 | 676 | 77 | -- | 77 |  |  | 1,365 |
| 9 |  | 484 | 784 | -- | -- | -- |  |  | 1,268 |
| 50 |  | 343 | 617 | 57 | -- | -- |  |  | 1, 017 |
| 1 |  | 148 | 507 | 124 | 62 | -- |  |  | 841 |
| 2 |  | 87 | 439 | 36 | 36 | -- |  |  | 598 |
| 3 |  | -- | 333 | 97 | 38 | 57 | 19 |  | 544 |
| 4 |  | 21 | 164 | 123 | 88 | -- | -- |  | 396 |
| 5 |  | 2 | 152 | 110 | 107 | -- | -- |  | 371 |
| 6 |  | 38 | 38 | 189 | 114 | 38 | -- |  | 417 |
| 7 |  | -- | 45 | 45 | 90 | 23 | -. |  | 203 |
| 8 |  | -- | 82 | 55 | 27 | 27 | -- |  | 191 |
| 9 |  | 13 | 13 | 27 | 13 | 13 | - |  | 79 |
| 60 |  |  | -- | 23 | -- | 45 | 22 |  | 90 |
| 1 |  |  | 10 | 11 | 31 | 21 | - |  | 73 |
| 2 |  |  | 5 | 21 | 37 | 18 | 3 | 1 | 85 |
| 3 |  |  | -- | -- | -- | 17 | 17 | -- | 34 |
| 4 |  |  | 1 | 5 | 11 | 13 | 3 | 1 | 34 |
| 5 |  |  | -- | -- | -- | -- | 17 | -- | 17 |
| 6 |  |  | - | - | - | 6 | -- | -- | 6 |
| 7 |  |  | 2 | 5 | 3 | 21 | 9 | 11 | 51 |
| 8 |  |  | 1 | 1 | 2 | 7 | 6 | 6 | 23 |
| 9 |  |  |  |  | -- | - | 6 | - | 6 |
| 70 |  |  |  |  | 17 | - | -- | -- | 17 |
| 1 |  |  |  |  | 1 | 1 | 2 | 2 | 6 |
| 2 |  |  |  |  | - | - | - | 11 | 11 |
| 3 |  |  |  |  | , | 1 | 2 | 2 | 6 |
| Total | 6,452 | 5,238 | 6,994 | 1,143 | 752 | 385 | 106 | 34 | 21,104 |

Table 30.--Age-length composition of haddock landed from $5 Z$ East, August 1956, in hundreds of fish

| Length (cm.) | 1 | $\underline{Y}$ a r s of a g e |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 2 | 3 | 4 | 5 | 6 | 7 | 8 | $9+$ | Total |
| 33 |  | 29 |  |  |  |  |  |  |  | 29 |
| 4 | 26 | 32 |  |  |  |  |  |  |  | 58 |
| 5 |  | 88 |  |  |  |  |  |  |  | 88 |
| 6 |  | 204 |  |  |  |  |  |  |  | 204 |
| 7 |  | 350 | 117 |  |  |  |  |  |  | 467 |
| 8 |  | 672 | - - |  | . |  |  |  |  | 672 |
| 9 |  | 942 | 430 |  |  |  |  |  |  | 1,372 |
| 40 |  | 817 | 584 | 117 |  |  |  |  |  | 1,518 |
| 1 |  | 1,642 | -- | 110 |  |  |  |  |  | 1,752 |
| 2 |  | 1,338 | 178 | 90 |  |  |  |  |  | 1,606 |
| 3 |  | 1,392 | 428 | 108 |  |  |  |  |  | 1,928 |
| 4 |  | 610 | 670 | 122 |  |  |  |  |  | 1,402 |
| 5 |  | 746 | 137 | 406 |  |  |  |  |  | 1,289 |
| 6 |  | 664 | 664 | 267 |  |  |  |  |  | 1,595 |
| 7 |  | 416 | 429 | 329 |  |  |  |  |  | 1,174 |
| 8 |  | 457 | 572 | 328 |  | 50 |  |  |  | 1,407 |
| 9 |  | 171 | 370 | 798 | 29 | -- |  |  |  | 1,368 |
| 50 |  | -- | 136 | 452 | 150 | -- |  |  |  | 738 |
| 1 |  | -- | 88 | 473 | 144 | 48 |  |  |  | 753 |
| 2 |  | 18 | 18 | 533 | 123 | 35 |  |  |  | 727 |
| 3 |  |  | -- | 284 | 104 | 155 | 26 |  |  | 569 |
| 4 |  |  | -- | 213 | 92 | 115 | 23 |  |  | 443 |
| 5 |  |  | 29 | 203 | 106 | 103 | 51 |  |  | 492 |
| 6 |  |  |  | 95 | 95 | 67 | 14 |  |  | 271 |
| 7 |  |  |  | 52 | 78 | 52 | -- |  |  | 182 |
| 8 |  |  |  | 138 | 62 | -- | -- |  |  | 200 |
| 9 |  |  |  | 44 | -- | 43 | 43 | 43 |  | 173 |
| 60 |  |  |  | 17 | 8 | 17 | 8 | 8 |  | 58 |
| 1 |  |  |  | -- | 24 | 47 | $\cdots$ | -- |  | 71 |
| 2 |  |  |  | 19 | 10 | 10 | 10 | 9 |  | 58 |
| 3 |  |  |  |  | -- | 18 | -- | 9 | 9 | 36 |
| 4 |  |  |  |  | 14 | 13 | -- | -- | -- | 37 |
| 5 |  |  |  |  | 2 | 4 | 3 | -- | - | 9 |
| 6 |  |  |  |  | -- | -- | 2 | -- | 2 | 4 |
| 7 |  |  |  |  | -- | - | 13 | -- | -- | 13 |
| 8 |  |  |  |  | 1 | 1 | 2 | -- | -- | 4 |
| 9 |  |  |  |  |  | -- | - - | --- | - | - |
| 70 |  |  |  |  |  | 3 | 4 | 1 | 1 | 9 |
| 1 |  |  |  |  |  |  | 4 | -- | -- | 4 |
| 2 |  |  |  |  |  |  | - | -- | -- | -- |
| 3 |  |  |  |  |  |  | - | -- | - | -- |
| 4 |  |  |  |  |  |  | 2 | 1 | 1 | 4 |
| Total | 26 | 10,588 | 4,850 | 5,198 | 1, 042 | 781 | 205 | 71 | 13 | 22,774 |

Table 31. --Age-length composition of haddock landed from $5 Z$ East, September 1956, in hundreds of fish

| Length (cm.) |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2 | 3 | 4 | 5 | 6 | 7 | 8 | $9+$ | Total |
| 35 | 31 |  |  |  |  |  |  |  | 31 |
| 6 | 63 |  |  |  |  |  |  |  | 63 |
| 7 | 118 | 39 |  |  |  |  |  |  | 157 |
| 8 | 376 | -- |  |  |  |  |  |  | 376 |
| 9 | 409 | 186 |  |  |  |  |  |  | 595 |
| 40 | 388 | 277 | 55 |  |  |  |  |  | 720 |
| 1 | 763 | -- | 51 |  |  |  |  |  | 814 |
| 2 | 938 | 125 | 63 |  |  |  |  |  | 1,126 |
| 3 | 772 | 238 | 60 |  |  |  |  |  | 1, 070 |
| 4 | 344 | 376 | 68 |  |  |  |  |  | 788 |
| 5 | 327 | 59 | 178 |  |  |  |  |  | 564 |
| 6 | 171 | 171 | 76 |  |  |  |  |  | 418 |
| 7 | 229 | 234 | 180 |  |  |  |  |  | 643 |
| 8 | 194 | 241 | 115 |  | 10 |  |  |  | 560 |
| 9 | 43 | 92 | 191 | 6 | -- |  |  |  | 332 |
| 50 |  | 83 | 213 | 38 | -- |  |  |  | 334 |
| 1 | -- | 80 | 379 | 68 | 23 |  |  |  | 550 |
| 2 | 5 | 5 | 171 | 32 | 9 |  |  |  | 222 |
| 3 |  | -- | 94 | 34 | 52 | 9 |  |  | 189 |
| 4 |  | - | 103 | 36 | 45 | 9 |  |  | 193 |
| 5 |  | 6 | 65 | 36 | 36 | 18 |  |  | 161 |
| 6 |  | 9 | 53 | 51 | 29 | 6 |  |  | 148 |
| 7 |  |  | 37 | 55 | 36 | -- |  |  | 128 |
| 8 |  |  | 54 | 24 | -- | -- |  |  | 78 |
| 9 |  |  | 20 | -- | 20 | 19 | 19 |  | 78 |
| 60 |  |  | 10 | 5 | 9 | 5 | 4 |  | 33 |
| 1 |  |  | -- | 9 | 19 | -- | -- |  | 28 |
| 2 |  |  | 26 | 13 | 13 | 13 | 13 |  | 78 |
| 3 |  |  | -- | -- | 14 | -- | 7 | 7 | 28 |
| 4 |  |  | -- | 22 | 22 | -- | -- | -- | 44 |
| 5 |  |  | 1 | 8 | 13 | 10 | 1 | -- | 33 |
| 6 |  |  |  |  | 1 | 17 | 1 | 16 | 33 |
| 7 |  |  |  |  | -- | 22 | -- |  | 22 |
| 8 |  |  |  |  | -- | -- | -- | -- | -- |
| 9 |  |  |  |  | - | -- | 6 | - | 6 |
| 70 |  |  |  |  | 3 | 5 | 2 | 1 | 11 |
| 1 |  |  |  |  | -- | 17 | -- | -- | 17 |
| 2 |  |  |  |  | -- | 6 | -- | - | 6 |
| 3 |  |  |  |  | -- | 3 | 2 | 1 | 6 |
| 4 |  |  |  |  | -- | -- | -- |  | -- |
| 5 |  |  |  |  | -- | -- | -- |  | -- |
| 6 |  |  |  |  | 2 | 2 | 2 |  | 6 |
| Total | 5,171 | 2,221 | 2,263 | 437 | 355 | 161 | 56 | 25 | 10,689 |

Table 32.--Age-length composition of haddock landed from $5 Z$ East,
October 1956, in hundreds of fish.

| Length (cm.) | Years of age |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | $9+$ | Total |
| 34 | 12 | 16 |  |  |  |  |  |  |  | 28 |
| 5 |  | 138 |  |  |  |  |  |  |  | 138 |
| 6 |  | 248 |  |  |  |  |  |  |  | 248 |
| 7 |  | 290 | 96 |  |  |  |  |  |  | 386 |
| 8 |  | 552 | -- |  |  |  |  |  |  | 552 |
| 9 |  | 758 | 345 |  |  |  |  |  |  | 1,103 |
| 40 |  | 786 | 563 | 113 |  |  |  |  |  | 1,462 |
| 1 |  | 1,738 | -- | 117 |  |  |  |  |  | 1,855 |
| 2 |  | 1,287 | 171 | 87 |  |  |  |  |  | 1,545 |
| 3 |  | 1,280 | 393 | 99 |  |  |  |  |  | 1,772 |
| 4 |  | 708 | 777 | 142 |  |  |  |  |  | 1,627 |
| 5 |  | 773 | 145 | 419 |  |  |  |  |  | 1,337 |
| 6 |  | 546 | 546 | 236 |  |  |  |  |  | 1,328 |
| 7 |  | 376 | 393 | 295 | 1 |  |  |  |  | 1,065 |
| 8 |  | 251 | 314 | 176 | -- | 25 |  |  |  | 766 |
| 9 |  | 59 | 136 | 327 | 17 | -- |  |  |  | 539 |
| 50 |  | -- | 110 | 332 | 93 | -- |  |  |  | 535 |
| 1 |  | - | 44 | 260 | 100 | 33 |  |  |  | 437 |
| 2 |  | 11 | 11 | 300 | 78 | 22 |  |  |  | 422 |
| 3 |  |  | 33 | 120 | 36 | 54 | 9 |  |  | 252 |
| 4 |  |  | -- | 166 | 69 | 87 | 17 |  |  | 339 |
| 5 |  |  | 10 | 115 | 62 | 62 | 31 |  |  | 280 |
| 6 |  |  |  | 49 | 49 | 35 | 7 |  |  | 140 |
| 7 |  |  |  | 42 | 62 | 42 | -- |  |  | 146 |
| 8 |  |  |  | 57 | 26 | -- | -- |  |  | 83 |
| 9 |  |  |  | 15 | -- | 14 | 14 | 14 |  | 57 |
| 60 |  |  |  | 9 | 4 | 9 | 5 | 5 |  | 32 |
| 1 |  |  |  | -- | 15 | 30 | -- | -- |  | 45 |
| 2 |  |  |  | 4 | 3 | 2 | 2 | 2 |  | 13 |
| 3 |  |  |  |  | -- | 3 | -- | 2 | 1 | 6 |
| 4 |  |  |  |  | 6 | 7 | . -- | -- |  | 13 |
| 5 |  |  |  |  | -- | -- | -- | -- |  | -- |
| 6 |  |  |  |  | -- | -- | - | - |  | -- |
| 7 |  |  |  |  | -- | -- | 13 | -- |  | 13 |
| 8 |  |  |  |  | 1 | 2 | 3 | - |  | 6 |
| 9 |  |  |  |  |  |  |  | 6 |  | 6 |
| Total | 12 | 9,817 | 4,087 | 3,480 | 622 | 427 | 101 | 29 | 1 | 18,576 |

Table 33.--Age-length composition of haddock landed from 5Z East, November 1956, in hundreds of fish.

| Length <br> (cm.) | Yearsof age |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1 | 2 | 3 | 4 |  | 6 | 7 | 8 | $9+$ | Total |
| 33 |  | 25 | 1 |  |  |  |  |  |  | 26 |
| 4 |  | -- | - |  |  |  |  |  |  | -- |
| 5 |  | 24 | 2 |  |  |  |  |  |  | 26 |
| 6 |  | 44 | 8 |  |  |  |  |  |  | 52 |
| 7 |  | 91 | 92 |  |  |  |  |  |  | 183 |
| 8 |  | 235 | -- |  |  |  |  |  |  | 235 |
| 9 |  | 287 | -- |  |  |  |  |  |  | 287 |
| 40 |  | 496 | -- |  |  |  |  |  |  | 496 |
| 1 |  | 756 | -- |  |  |  |  |  |  | 756 |
| 2 |  | 508 | 170 |  |  |  |  |  |  | 678 |
| 3 |  | 731 | -- | 104 |  |  |  |  |  | 835 |
| 4 |  | 782 | 53 | -- |  |  |  |  |  | 835 |
| 5 |  | 548 | 16 | 3 |  |  |  |  |  | 567 |
| 6 |  | 333 | 126 | 4 |  |  |  |  |  | 463 |
| 7 |  | 203 | 13 | 141 | 1 |  |  |  |  | 358 |
| 8 |  | 19 | 113 | 113 | 113 |  |  |  |  | 358 |
| 9 |  |  | 131 | 94 | 9 |  |  |  |  | 234 |
| 50 |  |  | 145 | 166 | 23 | 4 |  |  |  | 338 |
| 1 |  |  | 307 | 17 | -- | -- |  |  |  | 324 |
| 2 |  |  | 13 | 186 | 93 | -- |  |  |  | 292 |
| 3 |  |  | -- | 108 | 27 | 27 |  |  |  | 162 |
| 4 |  |  | 23 | 88 | 51 | -- |  |  |  | 162 |
| 5 |  |  |  | 26 | 26 | 26 |  |  |  | 78 |
| 6 |  |  |  | 19 | 26 | 7 | 6 |  | - | 58 |
| 7 |  |  |  | -- | 58 | -- | -- |  |  | 58 |
| 8 |  |  |  | -- | 13 | 13 | 13 |  |  | 39 |
| 9 |  |  |  | 26 | 17 | 26 | 9 |  |  | 78 |
| 60 |  |  |  | - | -- |  | 39 |  |  | 39 |
| 1 |  |  |  | 29 | 29 | -- |  |  |  | 58 |
| 4 |  |  |  |  | 13 | 26 | -- |  |  | 39 |
| 3 |  |  |  |  |  | -- | -- |  |  | -- |
| 4 |  |  |  |  |  | -- | -- |  |  | -- |
| 5 |  |  |  |  |  | -- | - |  |  | -- |
| 6 |  |  |  |  |  | 5 | 8 | 3 | 3 | 19 |
| 7 |  |  |  |  |  | -- | -- | -- | -- | -- |
| 8 |  |  |  |  |  | -- | -- | -- | -- | -- |
| 9 |  |  |  |  |  | -- | - | -- | - | -- |
| 70 |  |  |  |  |  | 1 | 7 | 6 | 5 | 19 |
| 1 |  |  |  |  |  |  |  |  | -- | -- |
| 2 |  |  |  |  |  |  |  |  | -- | -- |
| 3 |  |  |  |  |  |  |  |  | -- | -- |
| 4 |  |  |  |  |  |  |  |  | - | -- |
| 5 |  |  |  |  |  |  |  |  | -- | -- |
| 6 |  |  |  |  |  |  |  |  | -- | -- |
| 7 |  |  |  |  |  |  |  |  | -- | -- |
| 8 |  |  |  |  |  |  |  |  | -- | -- |
| 4 |  |  |  |  |  |  |  |  | -- | -- |
| 80 |  |  |  |  |  |  |  |  | -- | -- |
| 1 |  |  |  |  |  |  |  |  | 19 | 19 |
| 2 |  |  |  |  |  |  |  |  | 19 | 19 |
| Total |  | 5,082 | 1,213 | 1,124 | 499 | 135 | 82 | 9 | 27 | 8,171 |

Table 34. - Age-length composition of haddock landed from 52 East, December 1956 , in hundreds of fish

| $\begin{aligned} & \text { Length } \\ & (\mathrm{cm} .) \\ & \hline \end{aligned}$ | 2 | 3 |  | $\frac{Y e}{4}$ | $\frac{r}{5}$ | $\frac{0 f}{6}$ | $\frac{\mathrm{a} \text { g e }}{7}$ | 8 | $9+$ | Total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 35 | 19 | 2 |  |  |  |  |  |  |  | 21 |
| 6 | 115 | 21 |  |  |  |  |  |  |  | 136 |
| 7 | 63 | 63 |  |  |  |  |  |  |  | 126 |
| 8 | 356 | -- |  |  |  |  |  |  |  | 356 |
| 9 | 576 | -- |  |  |  |  |  |  |  | 576 |
| 40 | 723 | -- |  |  |  |  |  |  |  | 723 |
| 1 | 922 | -- |  |  |  |  |  |  |  | 922 |
| 2 | 488 | 162 |  |  |  |  |  |  |  | 650 |
| 3 | 577 | 35 |  | 84 |  |  |  |  |  | 696 |
| 4 | 314 | 21 |  | -- |  |  |  |  |  | 335 |
| 5 | 429 | 30 |  | 6 | 1 |  |  |  |  | 466 |
| 6 | 196 | 66 |  | -- | -- |  |  |  |  | 262 |
| 7 | 176 | 49 |  | 137 | 4 |  |  |  |  | 366 |
| 8 | 73 | 35 | $i$ | 35 | 35 |  |  |  |  | 178 |
| 9 |  | 43 |  | 31 | 4 |  |  |  |  | 78 |
| 50 |  | 52 |  | 60 | 11 | 2 |  |  |  | 125 |
| 1 |  | 189 |  | 4 | 2 | -- |  |  |  | 193 |
| 2 |  | 3 |  | 104 | 60 | -- |  |  |  | 167 |
| 3 |  | -- |  | 65 | 22 | 22 |  |  |  | 109 |
| 4 |  | 6 |  | 19 | 12 | - |  |  |  | 37 |
| 5 |  |  |  | 37 | 36 | 36 |  |  |  | 109 |
| 6 |  |  |  | 12 | 17 | 4 | 4 |  |  | 37 |
| 7 |  |  |  | -- | 37 | -- | -- |  |  | 37 |
| 8 |  |  |  | -- | -- | -- | -- |  |  | -- |
| 9 |  |  |  | 61 | 40 | 61 | 20 |  |  | 182 |
| 60 |  |  |  | -- | -- | -- | 73 |  |  | 73 |
| 1 |  |  |  | 55 | 54 | -- | -- |  |  | 109 |
| 2 |  |  |  |  | 36 | 73 | -- |  |  | 109 |
| 3 |  |  |  |  | 37 | -- | 36 |  |  | 73 |
| 4 |  |  |  |  |  | 19 |  | 18 |  | 37 |
| Total | 5,027 | 777 |  | 710 | 406 | 217 | 133 | 18 |  | 7,288 |

Table 35. --Age-length composition of haddock landed from 5Z East, January 1957, in hundreds of fish

| Length (cm.) |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2 | 3 | 4 | 5 | 6 | 7 | 8 | $9+$ | Total |
| 35 | 6 | 1 |  |  |  |  |  |  | 7 |
| 6 | 17 | 3 |  |  |  |  |  |  | 20 |
| 7 | 27 | 26 |  |  |  |  |  |  | 53 |
| 8 | 72 | -- |  |  |  |  |  |  | 72 |
| 9 | 131 | -- |  |  |  |  |  |  | 131 |
| 40 | 223 | -- |  |  |  |  |  |  | 223 |
| 1 | 327 | -- |  |  |  |  |  |  | 327 |
| 2 | 163 | 54 |  |  |  |  |  |  | 217 |
| 3 | 213 | -- | 30 |  |  |  |  |  | 243 |
| 4 | 282 | 19 | -- |  |  |  |  |  | 301 |
| 5 | 289 | 4 | 1 |  |  |  |  |  | 294 |
| 6 | 202 | 71 | 1 |  |  |  |  |  | 274 |
| 7 | 134 | 14 | 95 | 1 |  |  |  |  | 244 |
| 8 | 36 | 53 | 53 | 52 |  |  |  |  | 194 |
| 9 |  | 139 | 101 | 11 | 1 |  |  |  | 252 |
| 50 |  | 81 | 92 | 13 | 2 |  |  |  | 188 |
| 1 |  | 199 | 12 | - | -- |  |  |  | 211 |
| 2 |  | 3 | 115 | 68 | -- |  |  |  | 186 |
| 3 |  | -- | 111 | 31 | 30 |  |  |  | 172 |
| 4 |  | 25 | 81 | 53 | -- |  |  |  | 159 |
| 5 |  |  | 66 | 66 | 66 |  |  |  | 198 |
| 6 |  |  | 28 | 39 | 10 | 11 |  |  | 88 |
| 7 |  |  | -- | 100 | -- | -- |  |  | 100 |
| 8 |  |  | -- | 32 | 33 | 35 |  |  | 100 |
| 9 |  |  | 28 | 18 | 27 | 10 |  |  | 83 |
| 50 |  |  | -- | -- | -- | 78 |  |  | 78 |
| 1 |  |  | 18 | 18 | -- | -- |  |  | 36 |
| 2 |  |  |  | 10 | 21 | -- |  |  | 31 |
| 3 |  |  |  | 31 | -- | 31 |  |  | 62 |
| 4 |  |  |  | -- | 21 | - | 21 |  | 42 |
| 5 |  |  |  | -- | - | 13 | 13 |  | 26 |
| 6 |  |  |  | 1 | 6 | 11 | 4 | 4 | 26 |
| 7 |  |  |  |  | -- | 21 | -- | -- | 21 |
| 8 |  |  |  |  | -- | 16 | 15 | -- | 31 |
| 3 |  |  |  |  | - | 5 | 5 | -- | 10 |
| 70 |  |  |  |  | 1 | 2 | 4 | 3 | 10 |
| 1 |  |  |  |  |  | -- | -- | 10 | 10 |
| 3 |  |  |  |  |  | 2 | 2 | 1 | 5 |
| 3 |  |  |  |  |  | 2 | 2 | 1 | 5 |
| 4 |  |  |  |  |  | 1 | 5 | 4 | 10 |
| 5 |  |  |  |  |  |  | 2 | 3 | 5 |
| 5 |  |  |  |  |  |  | 1 | 4 | 5 |
| Total | 2,122 | 692 | 832 | 544 | 218 | 238 | 74 | 30 | 4,750 |

Table 36.--Age-length composition of haddock landed from 5Z East, 1956 Haddock Year, in hundreds of fish

| Length (cm.) | 1 | 2 | 3 | 4 | $\frac{\mathrm{e}}{5}$ | $\frac{\mathrm{r}}{6}$ | $\begin{array}{cc} \circ \mathrm{f} \quad \mathrm{a} \text { g e } \\ \hline 7 & 8 \\ \hline \end{array}$ |  | $9+$ | Total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |  |  |
| 32 |  | 16 |  |  |  |  |  |  |  | 16 |
| 3 |  | 70 | 1 |  |  |  |  |  |  | 71 |
| 4 | 38 | 126 | - - |  |  |  |  |  |  | 164 |
| 5 |  | 524 | 11 |  |  |  |  |  |  | 535 |
| 6 |  | 1,155 | 40 |  |  |  |  |  |  | 1,195 |
| 7 |  | 1,673 | 653 |  |  |  |  |  |  | 2,326 |
| 8 |  | 3,356 | 201 |  |  |  |  |  |  | 3,557 |
| 9 |  | 4,754 | 1,098 | 159 | 53 |  |  |  |  | 6,064 |
| 40 |  | 5,753 | 1,815 | 409 | -- |  |  |  |  | 7,977 |
| 1 |  | 8,233 | 464 | 1,124 | -- |  |  |  |  | 9,821 |
| 2 |  | 6,217 | 1,593 | 1,270 | -- |  |  |  |  | 9, 080 |
| 3 |  | 6,163 | 1,895 | 1,799 | 428 |  |  |  |  | 10,285 |
| 4 |  | 3,813 | 3,404 | 2,210 | 524 |  |  |  |  | 9,921 |
| 5 |  | 3,282 | 2,839 | 3,280 | 2 | 161 |  |  |  | 9,564 |
| 6 |  | 2,359 | 4,107 | 2,839 | 259 | 256 |  |  |  | 9, 820 |
| 7 |  | 1,909 | 1,950 | 5,001 | 579 | 2 |  |  |  | 9,441 |
| 8 |  | 1,030 | 2,545 | 4, 086 | 1,105 | 85 | 175 |  |  | 9, 026 |
| 9 |  | 273 | 2,358 | 5,315 | 401 | 244 | -- |  |  | 8,591 |
| 50 |  | -- | 1,570 | 4, 862 | 892 | 8 | 61 |  |  | 7,393 |
| 1 |  | -- | 1,407 | 4,105 | 1,033 | 691 | -- |  |  | 7,236 |
| 2 |  | 34 | 478 | 4,061 | 897 | 422 | 366 |  |  | 6, 258 |
| 3 |  |  | 33 | 2,902 | 1,225 | 695 | 214 | 57 |  | 5,126 |
| 4 |  |  | 130 | 1,815 | 1,103 | 1,318 | 252 | -- |  | 4,618 |
| 5 |  |  | 51 | 1,507 | 954 | 1,410 | 100 | -- |  | 4,022 |
| 6 |  |  | 101 | 945 | 895 | 1,254 | 131 | -- |  | 3,326 |
| 7 |  |  | 1 | 600 | 575 | 1,251 | 88 | -- |  | 2,515 |
| 8 |  |  | - - | 462 | 453 | 1,045 | 273 | -- |  | 2, 233 |
| 9 |  |  | 61 | 500 | 262 | 618 | 555 | 185 |  | 2,181 |
| 60 |  |  |  | 35 | 268 | 347 | 523 | 80 |  | 1,254 |
| 1 |  |  |  | 132 | 287 | 400 | 381 | 213 |  | 1,413 |
| 2 |  |  |  | 67 | 251 | 416 | 181 | 265 | 49 | 1,229 |
| 3 |  |  |  | -- | 68 | 314 | 309 | 260 | 17 | 968 |
| 4 |  |  |  | 2 | 54 | 348 | 191 | 127 | 3 | 725 |
| 5 |  |  |  | 1 | 10 | 112 | 26 | 322 | 95 | 566 |
| 6 |  |  |  | -- | 53 | 63 | 65 | 214 | 25 | 420 |
| 7 |  |  |  | 4 | 10 | 87 | 190 | 97 | 22 | 410 |
| 8 |  |  |  | 2 | 5 | 7 | 86 | 77 | 60 | 237 |
| 9 |  |  | * |  |  | -- | 5 | 53 | 39 | 97 |
| 70 |  |  |  |  |  | 35 | 72 | 67 | 120 | 294 |
| 1 |  |  |  |  |  | 1 | 117 | 2 | 106 | 226 |
| 2 |  |  |  |  |  | -- | 8 | 53 | 12 | 73 |
| 3 |  |  |  |  |  | 1 | 6 | 44 | 4 | 55 |
| 4 |  |  |  |  |  | -- | 3 | 6 | 101 | 110 |
| 5 |  |  |  |  |  | -- | -- | 2 | 3 | 5 |
| 6 |  |  |  |  |  | 2 | 2 | 3 | 4 | 11 |
| 7 |  |  |  |  |  |  |  |  | -- | -- |
| 8 |  |  |  |  |  |  |  |  | 41 | 41 |
| 9 |  |  |  |  |  |  |  |  | -- | -- |
| 80 |  |  |  |  |  |  |  |  | -- | -- |
| 1 |  |  |  |  |  |  |  |  | -- | -- |
| 2 |  |  |  |  |  |  |  |  | 19 | 19 |

Total
$3850,740 \quad 28,80549,495 \quad 12,64611,593$ 亿, 380 $\quad 2,127 \quad 720 \quad 160,545$

Table 37. --Age-length composition of haddock landed from $5 Z$ West, February 1956,
in hundreds of fish

| Length (cm.) | $\underline{Y} \mathrm{a}$ rsof a ge |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2 | 3 | 4 | 5 | 6 | 7 | 8 | $9+$ | Total |
| 33 | 14 | 2 |  |  |  |  |  |  | 16 |
| 4 | -- | - |  |  |  |  |  |  | -- |
| 5 | 11 | 5 |  |  |  |  |  |  | 16 |
| 6 | 31 | -- |  |  |  |  |  |  | 31 |
| 7 | 109 | -- |  |  |  |  |  |  | 109 |
| 8 | 113 | 28 |  |  |  |  |  |  | 141 |
| 9 | 130 | 78 | 26 |  |  |  |  |  | 234 |
| 40 | 188 | -- | -- |  |  |  |  |  | 188 |
| 1 | 70 | 71 | -- |  |  |  |  |  | 141 |
| 2 |  | 117 | 117 |  |  |  |  |  | 234 |
| 3 |  | 67 | 167 |  |  |  |  |  | 234 |
| 4 |  | 164 | 164 |  |  |  |  |  | 328 |
| 5 |  | 188 | 187 |  |  |  |  |  | 375 |
| 6 |  | 165 | 313 | 53 |  |  |  |  | 531 |
| 7 |  | 465 | 90 | 5 | 2 |  |  |  | 562 |
| 8 |  | 181 | 346 | 52 | -- |  |  |  | 579 |
| 9 |  | 156 | 375 | -- | -- |  |  |  | 531 |
| 50 |  | -- | 477 | 54 | 31 |  |  |  | 562 |
| 1 |  | -- | 495 | 92 | -- | 30 |  |  | 617 |
| 2 |  | 28 | 279 | 13 | 70 | -- |  |  | 390 |
| 3 |  | 12 | 231 | 58 | 50 | -- |  |  | 351 |
| 4 |  |  | 272 | 79 | 5 | -- |  |  | 351 |
| 5 |  |  | 85 | 42 | 42 | 42 |  |  | 211 |
| 6 |  |  | 113 | 72 | 72 | -- |  |  | 257 |
| 7 |  |  | 76 | 13 | 38 | -- | 13 |  | 140 |
| 8 |  |  | 70 | 70 | 94 | -- | -- |  | 234 |
| 9 |  |  | 44 | -- | 90 | 45 | -- |  | 179 |
| 60 |  |  | -- | 49 | 123 | -- | -- |  | 172 |
| 1 |  |  | 13 | -- | 50 | 50 | -- | 12 | 125 |
| 2 |  |  | 10 | 10 | 43 | 31 | 31 | -- | 125 |
| 3 |  |  |  | -- | 67 | 11 |  | -- | 78 |
| 4 |  |  |  | 52 | 78 | 26 | -- | -- | 156 |
| 5 |  |  |  | 16 | 30 | 16 | 16 | -- | 78 |
| 6 |  |  |  | -- | 51 | 16 | 33 | 17 | 101 |
| 7 |  |  |  | 10 | 19 | -- | 10 |  | 39 |
| 8 |  |  |  |  | 62 | 12 | 12 | -- | 86 |
| 9 |  |  |  |  |  | 47 | 23 | -- | 70 |
| 70 |  |  |  |  |  | 16 | -- | 7 | 23 |
| 1 |  |  |  |  |  | - | 3 | 5 | 8 |
| 2 |  |  |  |  |  | 7 | 16 | -- | 23 |
| 3 |  |  |  |  |  | 3 | 4 | 9 | 16 |
| 4 |  |  |  |  |  |  | 8 |  | 8 |
| Total | 666 | 1,727 | 3, 950 | 740 | 1, 012 | 336 | 169 | 50 | 8,650 |

Table 38. --Age-length composition of haddock landed from 5 Z West, March 1956,

> in hundreds of fis:

| Length (cm.) | Year s of agoe |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2 | 3 | 4 | 5 | 6 | 7 | 8 | $9+$ | Total |
| 37 | 55 |  |  |  |  |  |  |  | 55 |
| 8 | 22 | 6 |  |  |  |  |  |  | 28 |
| 9 | 92 | 55 | 19 |  |  |  |  |  | 166 |
| 40 | 83 | -- | -- |  |  |  |  |  | 83 |
| 1 | 69 | 70 | -- |  |  |  |  |  | 139 |
| 2 |  | 69 | 70 |  |  |  |  |  | 139 |
| 3 |  | 16 | 39 |  |  |  |  |  | 55 |
| 4 |  | 42 | 41 |  |  |  |  |  | 83 |
| 5 |  | 97 | 97 |  |  |  |  |  | 194 |
| 6 |  | 100 | 200 | 33 |  |  |  |  | 333 |
| 7 |  | 268 | 47 | 1 |  |  |  |  | 316 |
| 8 |  | 142 | 193 | 4 |  |  |  |  | 344 |
| 9 |  | 173 | 299 | -- |  |  |  |  | 476 |
| 50 |  | -- | 285 | 48 |  |  |  |  | 333 |
| 1 |  | -- | 362 | 11 | -- | 4 |  |  | 377 |
| 2 |  | 11 | 219 | 32 | 55 |  |  |  | 317 |
| 3 |  | 10 | 256 | 84 | 39 | -- |  |  | 389 |
| 4 |  | -- | 280 | 42 | - | -- |  |  | 322 |
| 5 |  | -- | 320 | 36 | 36 | 36 |  |  | 428 |
| 6 |  | -- | 308 | 71 | 71 | -- |  |  | 450 |
| 7 |  | 13 | 158 | 136 | 57 | -- | 14 |  | 378 |
| 8 |  | 10 | 159 | 168 | 103 | 10 | -- |  | 450 |
| 9 |  |  | 95 | 37 | 128 | 79 | - |  | 339 |
| 60 |  |  | 5 | 61 | 130 | 8 | 2 |  | 206 |
| 1 |  |  | 16 | -- | 52 | 62 | -- | 16 | 156 |
| 2 |  |  | 11 | 11 | 46 | 33 | 33 | -- | 134 |
| 3 |  |  |  | -- | 143 | 24 | -- | - | 167 |
| 4 |  |  |  | 28 | 39 | 13 | -- | -- | 78 |
| 5 |  |  |  | 27 | 53 | 27 | 27 | -- | 134 |
| 6 |  |  |  | $\cdots$ | 34 | -- | 22 | 11 | 67 |
| 7 |  |  |  | 20 | 38 | -- | 20 |  | 78 |
| 8 |  |  |  |  | 32 | 7 | 6 | -- | 45 |
| 9 |  |  |  |  |  | 7 | 4 | -- | 11 |
| 70 |  |  |  |  |  | 30 | - | 15 | 45 |
| 1 |  |  |  |  |  |  | 7 | 15 | 22 |
| 2 |  |  |  |  |  |  | -- | -- | -- |
| 3 |  |  |  |  |  |  | -- | -- | -- |
| 4 |  |  |  |  |  |  | 11 | -- | 11 |
| 5 |  |  |  |  |  |  |  | $\cdots$ | -- |
| 5 |  |  |  |  |  |  |  | 11 | 11 |
| 7 |  |  |  |  |  |  |  | 11 | 11 |

8.)

| Tota | 381 | 1.000 | 3,484 | 848 | 1.366 | 340 | 146 | 79 | 7,370 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

Table 39. --Age-length composition of haddock landed from $5 Z$ West, April 1956 , in hundreds of fish

| Length <br> (cm.) | 2 | 3 | $\underline{Y} \mathrm{e}$ | $\frac{r \mathrm{~s}}{5}$ | $\frac{\mathrm{of}}{6}$ | $\frac{a g e}{7}$ | 8 | $9+$ | Total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 36 | 20 |  |  |  |  |  |  |  | 20 |
| 7 | 20 |  |  |  |  |  |  |  | 20 |
| 8 | 33 | 8 |  |  |  |  |  |  | 41 |
| 9 | 34 | 20 | 7 |  |  |  |  |  | 61 |
| 40 | 346 | -- | -- |  |  |  |  |  | 346 |
| 1 | 204 | 203 | -- |  |  |  |  |  | 407 |
| 2 |  | 173 | 173 |  |  |  |  |  | 346 |
| 3 |  | 105 | 261 |  |  |  |  |  | 366 |
| 4 |  | 81 | 82 |  |  |  |  |  | 163 |
| 5 |  | 92 | 91 |  |  |  |  |  | 183 |
| 6 |  | 146 | 293 | 49 |  |  |  |  | 488 |
| 7 |  | 214 | 38 | 1 |  |  |  |  | 253 |
| 8 |  | 244 | 341 | 7 |  |  |  |  | 592 |
| 9 |  | 211 | 368 | -- |  |  |  |  | 579 |
| 50 |  | -- | 529 | 76 | 15 |  |  |  | 620 |
| 1 |  | -- | 461 | 36 | -- | 11 |  |  | 508 |
| 2 |  | 22 | 363 | 48 | 91 | -- |  |  | 524 |
| 3 |  | 13 | 260 | 72 | 51 | -- |  |  | 396 |
| 4 |  | -- | 400 | 89 | -- | -- |  |  | 489 |
| 5 |  | -- | 219 | 59 | 59 | 59 |  |  | 396 |
| 6 |  | -- | 252 | 82 | 82 | -- |  |  | 416 |
| 7 |  | 2 | 113 | 39 | 53 | -- | 17 |  | 224 |
| 8 |  | 3 | 71 | 75 | 61 | 3 | -- |  | 213 |
| 9 |  |  | 50 | 9 | 85 | 46 | -- |  | 190 |
| 60 |  |  | 4 | 32 | 64 | 6 | 2 |  | 108 |
| 1 |  |  | 9 | 8 | 41 | 41 | 4 | 9 | 112 |
| 2 |  |  | 11 | 15 | 52 | 35 | 40 | -- | 153 |
| 3 |  |  |  | -- | 75 | 12 | -- | -- | 87 |
| 4 |  |  |  | 35 | 53 | 18 | - | -- | 106 |
| 5 |  |  |  | 17 | 36 | 17 | 17 | -- | 87 |
| 6 |  |  |  | -- | 39 | -- | 26 | 13 | 78 |
| 7 |  |  |  | 10 | 21 | -- | 10 | -- | 41 |
| 8 |  |  |  |  | 39 | 8 | 8 | -- | 55 |
| 9 |  |  |  |  |  | 31 | 15 | -- | 46 |
| 70 |  |  |  |  |  | 21 | - | 11 | 32 |
| 1 |  |  |  |  |  |  | 9 | 19 | 28 |
| 2 |  |  |  |  |  | 18 | 37 | -- | 55 |
| 3 |  |  |  |  |  | 3 | 4 | 7 | 14 |
| 4 |  |  |  |  |  |  | -- | -- | -- |
| 5 |  |  |  |  |  |  | 1 | 4 | 5 |
| 6 |  |  |  |  |  |  |  | 9 | 9 |
| 7 |  |  |  |  |  |  |  |  |  |
| Total | 657 | 1,537 | 4,396 | 759 | 917 | 329 | 190 | 72 | 8,857 |

Table 40.--Age-length composition of haddock landed from $5 Z$ West, May 1956,
in hundreds of fish

| $\begin{aligned} & \text { Length } \\ & (\mathrm{cm} .) \end{aligned}$ |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2 | 3 | 4 | 5 | 6 | 7 | 8 | $9+$ | Total |
| 33 | 21 |  |  |  |  |  |  |  | 21 |
| 4 | 21 |  |  |  |  |  |  |  | 21 |
| 5 | 149 |  |  |  |  |  |  |  | 149 |
| 6 | 256 |  |  |  |  |  |  |  | 256 |
| 7 | 383 |  |  |  |  |  |  |  | 383 |
| 8 | 606 | 76 |  |  |  |  |  |  | 682 |
| 9 | 852 | -- |  |  |  |  |  |  | 852 |
| 40 | 887 | 114 |  |  |  |  |  |  | 1, 001 |
| 1 | 854 | 395 | 56 |  |  |  |  |  | 1,305 |
| 2 | 734 | 130 | 127 |  |  |  |  |  | 991 |
| 3 | 809 | 103 | 202 |  |  |  |  |  | 1,114 |
| 4 | 431 | 289 | 287 |  |  |  |  |  | 1,007 |
| 5 | 307 | 212 | 137 |  |  |  |  |  | 656 |
| 6 | 214 | 389 | 383 |  |  |  |  |  | 986 |
| 7 | 170 | 364 | 625 | 58 |  |  |  |  | 1,217 |
| 8 | 107 | 560 | 532 | 53 |  |  |  |  | 1,252 |
| 9 |  | 239 | 1,111 | 48 |  |  |  |  | 1,398 |
| 50 |  | 392 | 875 | 126 | 37 |  |  |  | 1,430 |
| 1 |  | 495 | 934 | 114 | -- | 28 |  |  | 1, 571 |
| 2 |  | 165 | 786 | 272 | 91 | 31 |  |  | 1,345 |
| 3 |  | 96 | 703 | 188 | 50 | 24 |  |  | 1,061 |
| 4 |  | 27 | 903 | 22 | 45 | 22 |  |  | 1,019 |
| 5 |  | 21 | 580 | 199 | 159 | -- |  |  | 959 |
| 6 |  | -- | 540 | 99 | 119 | 60 |  |  | 818 |
| 7 |  | -- | 244 | 243 | 221 | 22 |  |  | 730 |
| 8 |  | -- | 188 | 189 | 269 | 27 |  |  | 673 |
| 9 |  | -- | 253 | 69 | 207 | 115 |  |  | 644 |
| 60 |  | -- | 78 | 39 | 193 | 78 |  |  | 388 |
| 1 |  | 15 | -- | 75 | 134 | 90 | 45 |  | 359 |
| 2 |  |  | -- | 68 | 154 | 86 | -- |  | 308 |
| 3 |  |  | 30 | 15 | 162 | 59 | 30 |  | 296 |
| 4 |  |  | 12 | 87 | 111 | 50 | 25 |  | 285 |
| 5 |  |  |  | 24 | 107 | 72 | 36 | 12 | 251 |
| 6 |  |  |  | -- | 51 | 68 | 86 | -- | 205 |
| 7 |  |  |  | -- | 123 | 54 | 27 | 13 | 217 |
| 8 |  |  |  | -- | 103 | 34 | 17 | 17 | 171 |
| 9 |  |  |  | -- | 23 | 39 | 46 | -- | 108 |
| 70 |  |  |  | -- | -- | 31 | 63 | 31 | 125 |
| 1 |  |  |  | -- | 38 | 23 | 23 | 7 | 91 |
| 2 |  |  |  | -- | 11 | 46 | 23 | -- | 80 |
| 3 |  |  |  | -- | 6 | -- | 6 | 11 | 23 |
| 4 |  |  |  | -- |  | -- | 11 | 6 | 17 |
| 5 |  |  |  | -- |  | 11 | 6 | 6 | 23 |
| 6 |  |  |  | 2 |  | 3 | -- | 6 | 11 |
| 7 |  |  |  |  |  | 4 | 2 | 11 | 17 |
| 8 |  |  |  |  |  | - |  | -- | -- |
| 9 |  |  |  |  |  | 2 |  | 9 | 11 |
| 80 |  |  |  |  |  |  |  | -- | -- |
| 2 |  |  |  |  |  |  |  | 6 | 6 |
| 4 |  |  |  |  |  |  |  | 6 | 6 |


| Total | 6,801 | 4,082 | 9,586 | 1,990 | 2,414 | 1,079 | 446 | 141 | 26,539 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

Table 41. --Age-length composition of haddock landed from $5 Z$ West, June 1956, in hundreds of fish

| Length (cm.) | Years of age |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2 | 3 | 4 | 5 | 6 | 7 | 8 | $9+$ | Total |
| 35 | 60 |  |  |  |  |  |  |  | 60 |
| 6 | 199 |  |  |  |  |  |  |  | 199 |
| 7 | 318 |  |  |  |  |  |  |  | 318 |
| 8 | 407 | 51 |  |  |  |  |  |  | 458 |
| 9 | 876 | -- |  |  |  |  |  |  | 876 |
| 40 | 935 | 120 |  |  |  |  |  |  | 1,055 |
| 1 | 872 | 405 | 57 |  |  |  |  |  | 1,334 |
| 2 | 988 | 173 | 173 |  |  |  |  |  | 1,334 |
| 3 | 1,057 | 132 | 264 |  |  |  |  |  | 1,453 |
| 4 | 682 | 455 | 455 |  |  |  |  |  | 1,592 |
| 5 | 623 | 429 | 277 |  |  |  |  |  | 1,327 |
| 6 | 308 | 587 | 552 |  |  |  |  |  | 1,447 |
| 7 | 207 | 431 | 758 | 70 |  |  |  |  | 1,466 |
| 8 | 10 ? | 581 | 575 | 53 |  |  |  |  | 1,316 |
| 9 |  | 28 ? | 1,243 | 57 |  |  |  |  | 1,589 |
| 50 |  | 540 | 1,248 | 186 | 68 |  |  |  | 2, 042 |
| 1 |  | 518 | 1, 052 | 159 | $\cdots$ | 40 |  |  | 1,769 |
| 2 |  | 190 | 857 | 296 | 96 | 32 |  |  | 1,471 |
| 3 |  | 107 | 1,159 | 295 | 90 | 44 |  |  | 1,695 |
| 4 |  | 20 | 1,108 | 28 | 57 | 28 |  |  | 1,241 |
| 5 |  | 20 | 847 | 299 | 239 | -- |  |  | 1,405 |
| 6 |  | -- | 734 | 147 | 176 | 88 |  |  | 1, 145 |
| 7 |  | -- | 301 | 301 | 273 | 27 |  |  | 902 |
| 8 |  | -- | 192 | 203 | 275 | 27 |  |  | 697 |
| 9 |  | -- | 269 | 73 | 220 | 123 |  |  | 685 |
| 60 |  | -- | 107 | 53 | 268 | 107 |  |  | 535 |
| 1 |  | 19 | -- | 96 | 173 | 115 | 57 |  | 460 |
| 2 |  |  | -- | 98 | 222 | 123 | -- |  | 443 |
| 3 |  |  | 47 | 23 | 257 | 94 | 47 |  | 468 |
| 4 |  |  | 13 | 94 | 121 | 54 | 27 |  | 309 |
| 5 |  |  |  | 25 | 115 | 76 | 38 | 13 | 267 |
| 6 |  |  |  | -- | 69 | 92 | 115 | -- | 276 |
| 7 |  |  |  | -- | 160 | 71 | 35 | 18 | 284 |
| 8 |  |  |  | -- | 180 | 60 | 30 | 31 | 301 |
| 9 |  |  |  | -- | 41 | 69 | 82 | -- | 192 |
| 70 |  |  |  | -- | -- | 36 | 70 | 36 | 142 |
| 1 |  |  |  | -- | 18 | 10 | 10 | 4 | 42 |
| 2 |  |  |  | -- | 16 | 62 | 31 | - | 109 |
| 3 |  |  |  | -- | 2 | -- | 2 | 4 | 8 |
| 4 |  |  |  | -- |  | -- | -- | -- | -- |
| 5 |  |  |  | -- |  | 9 | 4 | 4 | 17 |
| 6 |  |  |  | 4 |  | 4 | -- | 9 | 17 |
| 7 |  |  |  |  |  | 2 | 1 | 5 | 8 |
| 8 |  |  |  |  |  | 4 |  | 4 | 8 |
| 9 |  |  |  |  |  | 2 |  | 6 | 8 |
| 80 |  |  |  |  |  |  |  | 8 | 8 |
| 1 |  |  |  |  |  |  |  | 8 | 8 |
| Total | 7,637 | 5,061 | 12,294 | 2,560 | 3,136 | 1,399 | 549 | 150 | 32,786 |

Table 42. - Age-length composition of haddock landed from 52 West, July 1956 , in hundreds of fish

| Length$(\mathrm{cm} .)$ | 2 | 3 | lear a of a gee |  |  |  | 8 | $9+$ | Total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | 4 | 5 | 6 | 7 |  |  |  |
| 33 | 21 |  |  |  |  |  |  |  | 21 |
| 4 | 11 |  |  |  |  |  |  |  | 11 |
| 5 | 11 |  |  |  |  |  |  |  | 11 |
| 6 | 21 |  |  |  |  |  |  |  | 21 |
| 7 | 106 |  |  |  |  |  |  |  | 106 |
| 8 | 170 | 21 |  |  |  |  |  |  | 191 |
| 9 | 340 | -- |  |  |  |  |  |  | 340 |
| 40 | 376 | 49 |  |  |  |  |  |  | 425 |
| 1 | 326 | 152 | 21 |  |  |  |  |  | 499 |
| 2 | 252 | 44 | 44 |  |  |  |  |  | 340 |
| 3 | 286 | 36 | 71 |  |  |  |  |  | 393 |
| 4 | 156 | 106 | 104 |  |  |  |  |  | 366 |
| 5 | 158 | 109 | 71 |  |  |  |  |  | 338 |
| 6 | 53 | 132 | 96 |  |  |  |  |  | 281 |
| 7 | 56 | 136 | 205 | 20 |  |  |  |  | 417 |
| 8 | 38 | 207 | 205 | 19 |  |  |  |  | 469 |
| 9 |  | 112 | 551 | 23 |  |  |  |  | 686 |
| 50 |  | 168 | 404 | 63 | 27 |  |  |  | 662 |
| 1 |  | 211 | 400 | 49 |  | 12 |  |  | 672 |
| 2 |  | 144 | 497 | 170 | 42 | 14 |  |  | 867 |
| 3 |  | 83 | 473 | 132 | 31 | 15 |  |  | 734 |
| 4 |  | 56 | 651 | 13 | 26 | 13 |  |  | 759 |
| 5 |  | 49 | 405 | 113 | 90 | -- |  |  | 657 |
| 6 |  | -- | 450 | 69 | 82 | 41 |  |  | 642 |
| 7 |  | 4 | 197 | 210 | 167 | 15 |  |  | 593 |
| 8 |  | -- | 142 | 154 | 204 | 20 |  |  | 520 |
| 9 |  | -- | 144 | 47 | 120 | 66 |  |  | 377 |
| 60 |  | -- | 71 | 35 | 176 | 71 |  |  | 353 |
| 1 |  | 13 | - | 70 | 119 | 77 | 38 |  | 317 |
| 2 |  |  | -- | 67 | 142 | 76 | -- |  | 285 |
| 3 |  |  | 17 | 9 | 96 | 35 | 17 |  | 174 |
| 4 |  |  | 8 | 54 | 70 | 31 | 16 |  | 179 |
| 5 |  |  |  | 17 | 74 | 50 | 25 | 8 | 174 |
| 6 |  |  |  |  | 34 | 46 | 57 | -- | 137 |
| 7 |  |  |  | -- | 72 | 32 | 16 | 8 | 128 |
| 8 |  |  |  | -- | 69 | 23 | 11 | 11 | 114 |
| 9 |  |  |  | -- | 21 | 36 | 44 | -- | 101 |
| 70 |  |  |  | -- |  | 17 | 35 | 17 | 69 |
| 1 |  |  |  | - | 22 | 14 | 14 | 5 | 55 |
| 2 |  |  |  | - | 7 | 26 | 13 | -- | 46 |
| 3 |  |  |  | -- | 8 | -- | 8 | 16 | 32 |
| 4 |  |  |  | -- |  | -- | 3 | 2 | 5 |
| 5 |  |  |  | -- |  | 2 | 1 | 1 | 4 |
| 6 |  |  |  | 2 |  | 2 | -- | 5 | 9 |
| 7 |  |  |  |  |  | 2 | 1 | 6 | 9 |
| 8 |  |  |  |  |  | 2 |  | 2 | 4 |
| 9 |  |  |  |  |  |  |  | -- | -- |
| 80 |  |  |  |  |  |  |  | 4 | 4 |
| Total | 2,381 | 1,832 | 5,227 | 1,336 | 1,699 | 738 | 299 | 85 | 13,597 |

Table 43.--Age-length composition of haddock landed from 52 West, August 1956, in hundreds of fish

| Length (cm.) | 1 | 2 | $\underline{\mathrm{r}}$ a r s of a g e |  |  |  |  |  | $9+$ | Total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 36 | 2 | 20 |  |  |  |  |  |  |  | 22 |
| 7 |  | 180 |  |  |  |  |  |  |  | 180 |
| 8 |  | 270 |  |  |  |  |  |  |  | 270 |
| 9 |  | 663 |  |  |  |  |  |  |  | 663 |
| 40 |  | 781 |  |  |  |  |  |  |  | 781 |
| 1 |  | 972 | 106 |  |  |  |  |  |  | 1,078 |
| 2 |  | 981 | 5 |  |  |  |  |  |  | 986 |
| 3 |  | 1,172 | 366 |  |  |  |  |  |  | 1,538 |
| 4 |  | 1,421 | 331 | 2 |  |  |  |  |  | 1,754 |
| 5 |  | 1,330 | 233 | 72 | 69 |  |  |  |  | 1,704 |
| 6 |  | 860 | 298 | 66 | 1 |  |  |  |  | 1,225 |
| 7 |  | 633 | 189 | 253 | - |  |  |  |  | 1, 075 |
| 8 |  | 923 | 549 | 275 | -- |  |  |  |  | 1,747 |
| 9 |  | 352 | 398 | 355 | 59 |  |  |  |  | 1,164 |
| 50 |  | 166 | 113 | 706 | 128 |  |  |  |  | 1,113 |
| 1 |  | 134 | 434 | 335 | 168 | 34 |  |  |  | 1,105 |
| 2 |  | 105 | 71 | 800 | 36 | 36 |  |  |  | 1,049 |
| 3 |  | -- | 338 | 488 | 27 | -- |  |  |  | ${ }^{853}$ |
| 4 |  | -- | 115 | 626 | 57 | 57 |  |  |  | 855 |
| 5 |  | 66 | 92 | 323 | 139 | 46 |  |  |  | 668 |
| 6 |  |  | 41 | 287 | 103 | -- |  |  |  | 431 |
| 7 |  |  | 26 | 333 | 102 | -- |  |  |  | 461 |
| 8 |  |  | 25 | 162 | 37 | 37 | 12 |  |  | 273 |
| 9 |  |  | 20 | 149 | 75 | 101 | 20 |  |  | 365 |
| 60 |  |  | -- | 124 | 62 | 41 | 41 |  |  | 268 |
| 1 |  |  | -- | 77 | 26 | 51 | -- |  |  | 154 |
| 2 |  |  | -- | 46 | 31 | 16 | 31 |  |  | 124 |
| 3 |  |  | -- | -- | 22 | 85 | -- | 22 |  | 129 |
| 4 |  |  | - | -- | -- | 114 | -- | -- |  | 114 |
| 5 |  |  | -- | -- | 17 | 52 | -- | -- |  | 69 |
| 6 |  |  | -- | 13 | 25 | 25 | 13 | 13 |  | 89 |
| 7 |  |  | -- | -- |  | 94 | -- | -- |  | 94 |
| 8 |  |  | 17 | -- |  | -- | 17 | -- | 16 | 50 |
| 9 |  |  |  | -- |  | 17 | -- | 17 | 16 | 50 |
| 70 |  |  |  | -- |  | 5 | -- | -- | -- | 5 |
| 1 |  |  |  | -- |  |  | 3 | -- | 2 | 5 |
| 2 |  |  |  | 3 |  |  | 7 | -- | -- | 10 |
| 3 |  |  |  |  |  |  | 5 | -- | -- | 5 |
| 4 |  |  |  |  |  |  | 2 | 2 | 1 | 5 |
| 5 |  |  |  |  |  |  | -- | -- | -- | -- |
| 6 |  |  |  |  |  |  | 2 | 2 | 1 | 5 |
| 7 |  |  |  |  |  |  | - |  | -- | -- |
| 8 |  |  |  |  |  |  | 3 |  | 2 | 5 |
| 9 |  |  |  |  |  |  |  |  |  |  |
| Total | 2 | 11,032 | 3,767 | 5,495 | 1,184 | 811 | 156 | 56 | 38 | 22,541 |

Table 44.--Age-length composition of haddock landed from $5 Z$ West, September 1956, in hundreds of fish

| $\begin{gathered} \text { Length } \\ (\mathrm{cm} .) \end{gathered}$ | 1 | 2 | 3 | $\frac{\mathrm{Y} e \mathrm{e}}{4}$ | $\frac{\mathrm{rs} \mathrm{o}}{5}$ | $-\frac{a}{6}$ |  | 8 | $9+$ | Total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 34 | 23 | 28 |  |  |  |  |  |  |  | 51 |
| 5 |  | -- |  |  |  |  |  |  |  | - |
| 6 |  | 216 |  |  |  |  |  |  |  | 216 |
| 7 |  | 204 |  |  |  |  |  |  |  | 204 |
| 8 |  | 867 |  |  |  |  |  |  |  | 867 |
| 9 |  | 1,428 |  |  |  |  |  |  |  | 1,428 |
| 40 |  | 2,804 |  |  |  |  |  |  |  | 2, 804 |
| 1 |  | 2,592 | 287 |  |  |  |  |  |  | 2,879 |
| 2 |  | 3,580 | 1 |  |  |  |  |  |  | 3, 581 |
| 3 |  | 3,407 | 1,064 |  |  |  |  |  |  | 4, 471 |
| 4 |  | 3,721 | 830 |  |  |  |  |  |  | 4,551 |
| 5 |  | 2,823 | 446 | 150 | 150 |  |  |  |  | 3,569 |
| 6 |  | 2, 562 | 746 | 182 | -- |  |  |  |  | 3,490 |
| 7 |  | 1,680 | 591 | 790 | -- |  |  |  |  | 3, 061 |
| 8 |  | 1, 040 | 803 | 403 | -- |  |  |  |  | 2,246 |
| 9 |  | 282 | 322 | 287 | 47 |  |  |  |  | 938 |
| 50 |  | 149 | 130 | 522 | 106 |  |  |  |  | 907 |
| 1 |  | 58 | 198 | 161 | 81 | 22 |  |  |  | 520 |
| 2 |  | 78 | 52 | 312 | 26 | 26 |  |  |  | 494 |
| 3 |  | -- | 159 | 320 | 22 | -- |  |  |  | 501 |
| 4 |  | -- | 82 | 388 | 41 | 41 |  |  |  | 552 |
| 5 |  | 51 | 68 | 235 | 101 | 34 |  |  |  | 489 |
| 6 |  |  | 39 | 277 | 99 |  |  |  |  | 415 |
| 7 |  |  | 13 | 167 | 51 | -- |  |  |  | 231 |
| 8 |  |  | 26 | 171 | 39 | 39 | 13 |  |  | 288 |
| 9 |  |  | 13 | 90 | 39 | 64 | 13 |  |  | 213 |
| 60 |  |  | -- | 117 | 59 | 39 | 39 |  |  | 254 |
| 1 |  |  | -- | 144 | 48 | 96 | - |  |  | 288 |
| 2 |  |  | -- | 55 | 38 | 19 | 38 |  |  | 150 |
| 3 |  |  | -- | -- | 23 | 92 | -- | 23 |  | 138 |
| 4 |  |  | -- | -- | -- | 81 | -- | -- |  | 81 |
| 5 |  |  | -- | -- | 26 | 78 | -- | -- |  | 104 |
| 6 |  |  | -- | 13 | 27 | 26 | 13 | 13 |  | 92 |
| 7 |  |  |  |  |  | 69 | -- | -- |  | 69 |
| 8 |  |  | 15 |  |  | -- | 16 | -- | 15 | 46 |
| 9 |  |  |  |  |  | 16 | -- | 15 | 15 | 46 |
| 70 |  |  |  |  |  | 81 | -- | -- | -- | 81 |
| 1 |  |  |  |  |  |  | 6 | -- | 6 | 12 |
| 2 |  |  |  |  |  |  | -- | -- | -- | -- |
| 3 |  |  |  |  |  |  | 12 | -- | -- | 12 |
| 4 |  |  |  |  |  |  | -- | -- | -- |  |
| 5 |  |  |  |  |  |  | -- | -- | -- | -- |
| 6 |  |  |  |  |  |  | - | - | - | -- |
| 7 |  |  |  |  |  |  | 4 | 4 | 4 | 12 |
| 8 |  |  |  |  |  |  |  |  | -- | -- |
| 9 |  |  |  |  |  |  |  |  | 12 | 12 |
| Total | 23 | 27,570 | 5,885 | 4,784 | 1,023 | 823 | 154 | 55 | 52 | 40,369 |

Table 45.--Age-length composition of haddock landed from 5Z West, October 1956, in hundreds of fish

| Length (cm.) | Years of a g e |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | $9+$ | Total |
| 35 | 5 | 59 |  |  |  |  |  |  |  | 64 |
| 6 |  | 129 |  |  |  |  |  |  |  | 129 |
| 7 |  | 97 |  |  |  |  |  |  |  | 97 |
| 8 |  | 322 |  |  |  |  |  |  |  | 322 |
| 9 |  | 582 |  |  |  |  |  |  |  | 582 |
| 40 |  | 870 |  |  |  |  |  |  |  | 870 |
| 1 |  | 1,261 | 140 |  |  |  |  |  |  | 1,401 |
| 2 |  | 1,420 | -- |  |  |  |  |  |  | 1,420 |
| 3 |  | 1,178 | 367 |  |  |  |  |  |  | 1,545 |
| 4 |  | 1,409 | 313 |  |  |  |  |  |  | 1,722 |
| 5 |  | 1,204 | 196 | 64 | 64 |  |  |  |  | 1,528 |
| 6 |  | 800 | 238 | 57 | -- |  |  |  |  | 1, 095 |
| 7 |  | 618 | 206 | 275 | -- |  |  |  |  | 1,099 |
| 8 |  | 380 | 266 | 133 | -- |  |  |  |  | 779 |
| 9 |  | 239 | 251 | 217 | 36 |  |  |  |  | 743 |
| 50 |  | 114 | 96 | 414 | 82 |  |  |  |  | 706 |
| 1 |  | 88 | 288 | 224 | 112 | 24 |  |  |  | 736 |
| 2 |  | 83 | 55 | 366 | 28 | 28 |  |  |  | 560 |
| 3 |  | -- | 189 | 309 | 19 | -- |  |  |  | 517 |
| 4 |  | -- | 70 | 371 | 35 | 35 |  |  |  | 511 |
| 5 |  | 16 | 73 | 254 | 109 | 36 |  |  |  | 488 |
| 6 |  | 64 | 31 | 252 | 78 | -- |  |  |  | 425 |
| 7 |  |  | 21 | 272 | 84 | -- |  |  |  | 377 |
| 8 |  |  | 28 | 181 | 42 | 42 | 14 |  |  | 307 |
| 9 |  |  | 17 | 117 | 50 | 84 | 17 |  |  | 285 |
| 60 |  |  | -- | 94 | 48 | 32 | 32 |  |  | 206 |
| 1 |  |  | -- | 88 | 29 | 59 | -- |  |  | 176 |
| 2 |  |  | -- | 48 | 32 | 16 | 32 |  |  | 128 |
| 3 |  |  | -- |  | 24 | 96 | -- | 24 |  | 144 |
| 4 |  |  | -- | -- | -- | 90 | -- | -- |  | 90 |
| 5 |  |  | -- | -- | 24 | 71 | -- | -- |  | 95 |
| 6 |  |  | -- | 12 | 24 | 24 | 12 | 12 |  | 84 |
| 7 |  |  | -- | -- |  | 54 |  |  |  | 54 |
| 8 |  |  | 16 | -- |  | -- | 17 | - | 16 | 49 |
| 9 |  |  |  | -- |  | 17 | -- | 16 | 16 | 49 |
| 70 |  |  |  | -- |  | 16 | -- | -- | -- | 16 |
| 1 |  |  |  | -- |  |  | 18 | -- | 17 | 35 |
| 2 |  |  |  | 14 |  |  | 27 | -- | -- | 41 |
| 3 |  |  |  |  |  |  | 11 | - | -- | 11 |
| 4 |  |  |  |  |  |  | 4 | 4 | 3 | 11 |
| 5 |  |  |  |  |  |  | 1 | 1 | 1 | 3 |
| 6 |  |  |  |  |  |  | 1 | 1 | 1 | 3 |
| 7 |  |  |  |  |  |  |  |  | -- | -- |
| 8 |  |  |  |  |  |  |  |  | -- | -- |
| 9 |  |  |  |  |  |  |  |  | - | -- |
| 80 |  |  |  |  |  |  |  |  | 3 | 3 |
| Total | 5 | 10,933 | 2,861 | 3,762 | 920 | 724 | 186 | 58 | 57 | 19,506 |

Table 46. --Age-length composition of haddock landed from $5 Z$ West, November 1956, in hundreds of fish

| Length (cm.) | 1 | Years of a g e |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 2 | 3 | 4 | 5 | 6 | 7 | 8 | $9+$ | Total |
| 36 | 28 | 55 |  |  |  |  |  |  |  | 83 |
| 7 |  | 83 |  |  |  |  |  |  |  | 83 |
| 8 |  | 217 |  |  |  |  |  |  |  | 217 |
| 9 |  | 310 | 23 |  |  |  |  |  |  | 333 |
| 40 |  | 521 | - |  |  |  |  |  |  | 521 |
| 1 |  | 700 | -- |  |  |  |  |  |  | 700 |
| 2 |  | 983 | -- |  |  |  |  |  |  | 983 |
| 3 |  | 833 | -- |  |  |  |  |  |  | 833 |
| 4 |  | 1,070 | 64 |  |  |  |  |  |  | 1, 134 |
| 5 |  | 1, 049 | 38 | 1 |  |  |  |  |  | 1,088 |
| 6 |  | 1, 052 | 69 | 1 |  |  |  |  |  | 1,122 |
| 7 |  | 562 | 102 | 97 | 1 |  |  |  |  | -762 |
| 8 |  | 710 | 52 | 42 | 4 |  |  |  |  | 808 |
| 9 |  | 178 | 100 | 117 | - |  |  |  |  | 395 |
| 50 |  | 157 | 177 | 177 | 79 |  |  |  |  | 590 |
| 1 |  | 167 | 237 | 147 | 39 |  |  |  |  | 590 |
| 2 |  | 67 | 150 | 191 | 49 | 8 |  |  |  | 465 |
| 3 |  | 21 | 106 | 227 | 98 | 33 |  |  |  | 485 |
| 4 |  |  | 53 | 340 | 104 | 26 |  |  |  | 523 |
| 5 |  |  | 143 | 221 | 143 | 16 |  |  |  | 523 |
| 6 |  |  | 12 | 337 | 148 | 69 | 23 |  |  | 589 |
| 7 |  |  | 17 | 345 | 121 | 52 | 17 |  |  | 552 |
| 8 |  |  | 21 | 198 | 125 | 73 | 21 | 10 |  | 448 |
| 9 |  |  | -- | 150 | 120 | 80 | 19 | -- |  | 36. |
| 60 |  |  | 10 | 113 | 62 | 103 | 52 | -- |  | 340 |
| 1 |  |  | -- | 61 | 98 | 98 | 25 | 25 | 12 | 319 |
| 2 |  |  | 7 | 62 | 41 | 41 | 34 | 14 | -- | 199 |
| 3 |  |  |  | ¢3 | 50 | 86 | 28 | -- | -- | 207 |
| 4 |  |  |  | 12 | 37 | 101 | 12 | 12 | -- | 174 |
| 5 |  |  |  | 10 | 40 | 40 | 40 | 19 | -- | 149 |
| 6 |  |  |  | 22 | 22 | 65 | 32 | - | -- | 141 |
| 7 |  |  |  |  | 8 | 22 | 45 | -- | -- | 75 |
| 8 |  |  |  |  | 31 | 46 | 31 | 8 | -- | 116 |
| 9 |  |  |  |  | 1 | 19 | 39 | - | -- | 58 |
| 70 |  |  |  |  | -- | 58 | -- | -- | -- | 58 |
| 1 |  |  |  |  | 6 | 23 | 17 | -- | -- | 46 |
| 2 |  |  |  |  |  | 12 | 6 | 13 | 6 | 37 |
| 3 |  |  |  |  |  | -- | 25 | 25 | 12 | 62 |
| 4 |  |  |  |  |  | 15 | 5 | 5 | -- | 25 |
| 5 |  |  |  |  |  |  | - | 17 | -- | 17 |
| 6 |  |  |  |  |  |  | 3 | 3 | 6 | 12 |
| 7 |  |  |  |  |  |  | -- |  | 8 | 8 |
| 8 |  |  |  |  |  |  | 12 |  | -- | 12 |
| 9 |  |  |  |  |  |  | 2 |  | 2 | 4 |
| Total | 28 | 8,735 | 1,381 | 2,914 | 1,426 | 1,086 | 488 | 151 | 46 | 16,255 |

Table 47. --Age-length composition of haddock landed from $5 Z$ West, December 1956, in hundreds of fish

| Length (cm.) | 1 | Y e a r s o f a g e |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 2 | 3 | 4 | 5 | 6 | 7 | 8 | $9+$ | Total |
| 35 |  | 22 | 2 |  |  |  |  |  |  | 24 |
| 6 | 8 | 16 | -- |  |  |  |  |  |  | 24 |
| 7 |  | 108 | -- |  |  |  |  |  |  | 108 |
| 8 |  | 84 | -- |  |  |  |  |  |  | 84 |
| 9 |  | 256 | 20 |  |  |  |  |  |  | 276 |
| 40 |  | 324 | -- |  |  |  |  |  |  | 324 |
| 1 |  | 767 | -- |  |  |  |  |  |  | 767 |
| 2 |  | 839 | -- |  |  |  |  |  |  | 839 |
| 3 |  | 1,058 | -- | 4 |  |  |  |  |  | 1,062 |
| 4 |  | 964 | 58 | -- |  |  |  |  |  | 1,022 |
| 5 |  | 1,160 | 44 | 1 |  |  |  |  |  | 1,205 |
| 6 |  | 993 | 74 | 3 |  |  |  |  |  | 1,070 |
| 7 |  | 540 | 121 | 103 | 3 |  |  |  |  | 767 |
| 8 |  | 589 | 59 | 44 | 5 |  |  |  |  | 697 |
| 9 |  | 262 | 163 | 187 | - |  |  |  |  | 612 |
| 50 |  | 192 | 205 | 202 | 85 |  |  |  |  | 684 |
| 1 |  | 197 | 278 | 184 | 50 |  |  |  |  | 709 |
| 2 |  | 126 | 257 | 301 | 78 | 13 |  |  |  | 775 |
| 3 |  | 29 | 139 | 269 | 114 | 38 |  |  |  | 589 |
| 4 |  |  | 73 | 466 | 142 | 37 |  |  |  | 718 |
| 5 |  |  | 184 | 295 | 188 | 21 |  |  |  | 688 |
| 6 |  |  | 15 | 388 | 155 | 76 | 29 |  |  | 663 |
| 7 |  |  | 18 | 370 | 132 | 59 | 18 |  |  | 597 |
| 8 |  |  | 24 | 232 | 147 | 89 | 24 | 12 |  | 528 |
| 9 |  |  | -- | 202 | 161 | 108 | 27 | -- |  | 498 |
| 60 |  |  | 10 | 111 | 61 | 101 | 51 | -- |  | 334 |
| 1 |  |  | -- | 48 | 76 | 76 | 19 | 19 | 9 | 247 |
| 2 |  |  | 9 | 85 | 56 | 56 | 47 | 19 | -- | 272 |
| 3 |  |  |  | 53 | 61 | 105 | 35 | -- | -- | 254 |
| 4 |  |  |  | 13 | 37 | 100 | 12 | 12 | -- | 174 |
| 5 |  |  |  | 10 | 40 | 41 | 41 | 20 | -- | 152 |
| 6 |  |  |  | 16 | 16 | 47 | 23 | -- | -- | 102 |
| 7 |  |  |  |  | 10 | 32 | 63 | -- | -- | 105 |
| 8 |  |  |  |  | 22 | 32 | 21 | 5 | -- | 80 |
| 9 |  |  |  |  | -- | 27 | 53 | -- | -- | 80 |
| 70 |  |  |  |  | -- | 44 | -- | -- | -- | 44 |
| 1 |  |  |  |  | 5 | 20 | 15 | -- | -- | 40 |
| 2 |  |  |  |  |  | 10 | 5 | 10 | 4 | 29 |
| 3 |  |  |  |  |  | -- | 13 | 13 | 7 | 33 |
| 4 |  |  |  |  |  | 15 | 5 | 5 | -- | 25 |
| 5 |  |  |  |  |  |  | -- | 11 | - | 11 |
| 6 |  |  |  |  |  |  | 1 | 1 | 2 | 4 |
| 7 |  |  |  |  |  |  | -- |  | 4 | 4 |
| 8 |  |  |  |  |  |  | 4 |  | -- | 4 |
| 9 |  |  |  |  |  |  | 2 |  | 2 | 4 |
| 80 |  |  |  |  |  |  |  |  | -- | -- |
| 1 |  |  |  |  |  |  |  |  | -- | -- |
| 2 |  |  |  |  |  |  |  |  | -- | -- |
| 3 |  |  |  |  |  |  |  |  | -- | -- |
| 4 |  |  |  |  |  |  |  |  | -- | -- |
| 5 |  |  |  |  |  |  |  |  | -- | -- |
| 6 |  |  |  |  |  |  |  |  | 4 | 4 |
| Total | 8 | 8,526 | 1,753 | 3,587 | 1,644 | 1,147 | 508 | 127 | 32 | 17,332 |

Table 48. --Age-length composition of haddock landed from $5 Z$ West, January 1957,
in hundreds of fish

| Length <br> (cm.) | 1 | 2 | 3 | e | S | 0 f a g e |  | 8 | $9+$ | Total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | 4 | 5 | 6 | 7 |  |  |  |
| 35 |  | 24 | 2 |  |  |  |  |  |  | 26 |
| 6 | 4 | 9 | -- |  |  |  |  |  |  | 13 |
| 7 |  | 37 | -- |  |  |  |  |  |  | 37 |
| 8 |  | 26 | -- |  |  |  |  |  |  | 26 |
| 9 |  | 60 | 5 |  |  |  |  |  |  | 65 |
| 40 |  | 218 | - |  |  |  |  |  |  | 218 |
| 1 |  | 310 | -- |  |  |  |  |  |  | 310 |
| 2 |  | 513 | -- |  |  |  |  |  |  | 513 |
| 3 |  | 603 | -- |  |  |  |  |  |  | 603 |
| 4 |  | 582 | 35 |  |  |  |  |  |  | 617 |
| 5 |  | 645 | 21 |  |  |  |  |  |  | 666 |
| 6 |  | 579 | 37 |  |  |  |  |  |  | 616 |
| 7 |  | 491 | 88 | 83 |  |  |  |  |  | 562 |
| 8 |  | 391 | 30 | 24 | 3 |  |  |  |  | 448 |
| 9 |  | 241 | 108 | 132 | -- |  |  |  |  | 481 |
| 50 |  | 132 | 106 | 96 | 23 |  |  |  |  | 357 |
| 1 |  | 148 | 215 | 83 | 23 |  |  |  |  | 469 |
| 2 |  | 71 | 143 | 167 | 45 | 6 |  |  |  | 432 |
| 3 |  | 27 | 122 | 213 | 87 | 29 |  |  |  | 478 |
| 4 |  |  | 56 | 361 | 113 | 27 |  |  |  | 557 |
| 5 |  |  | 84 | 212 | 125 | 14 |  |  |  | 435 |
| 6 |  |  | 12 | 333 | 139 | 66 | 24 |  |  | 574 |
| 7 |  |  | 12 | 248 | 91 | 45 | 12 |  |  | 408 |
| 8 |  |  | 23 | 230 | 150 | 103 | 22 | 12 |  | 540 |
| 9 |  |  | -- | 171 | 138 | 94 | 22 | -- |  | 425 |
| 60 |  |  | 8 | 94 | 52 | 84 | 40 | -- |  | 278 |
| 1 |  |  | -- | 45 | 72 | 72 | 18 | 18 | 8 | 233 |
| 2 |  |  | 7 | 62 | 41 | 54 | 34 | 14 |  | 212 |
| 3 |  |  |  | 49 | 56 | 97 | 32 | -- |  | 234 |
| 4 |  |  |  | 15 | 46 | 124 | 16 | 15 |  | 216 |
| 5 |  |  |  | 7 | 29 | 29 | 29 | 14 |  | 108 |
| 6 |  |  |  | 19 | 19 | 57 | 29 | - |  | 124 |
| 7 |  |  |  |  | 5 | 15 | 30 | -- |  | 50 |
| 8 |  |  |  |  | 29 | 44 | 29 | 7 |  | 109 |
| 9 |  |  |  |  | -- | 14 | 28 | -- |  | 42 |
| 70 |  |  |  |  | -- | 33 | -- | -- |  | 33 |
| 1 |  |  |  |  | 5 | 22 | 16 | -- |  | 43 |
| 2 |  |  |  |  |  | 14 | 7 | 14 | 7 | 42 |
| 3 |  |  |  |  |  | - | 3 | 3 | 2 | 8 |
| 4 |  |  |  |  |  | 15 | 6 | 5 | -- | 26 |
| 5 |  |  |  |  |  |  | -- |  | -- | -- |
| 6 |  |  |  |  |  |  | -- |  | -- | -- |
| 7 |  |  |  |  |  |  | -- |  | 8 | 8 |
| 8 |  |  |  |  |  |  | 9 |  | -- | 9 |
| 9 |  |  |  |  |  |  | 3 |  | 5 | 8 |
| 80 |  |  |  |  |  |  |  |  | 8 | 8 |

$\begin{array}{lllllllllll}\text { Total } & 4 & 5,107 & 1,114 & 2,644 & 1,291 & 1,058 & 409 & 102 & 38 & 11,767\end{array}$

Table 49. --Age-length composition of haddock landed from 5 Z West, 1956 Haddock Year, in hundreds of fish

| Length (cm.) | 1 | 2 | $Y \mathrm{e} a \mathrm{r}$ s of a g e |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | 3 | 4 | 5 | 6 | 7 | 8 | $9+$ | Total |
| 33 |  | 56 | 2 |  |  |  |  |  |  | 58 |
| 4 | 23 | 60 | -- |  |  |  |  |  |  | 83 |
| 5 | 5 | 336 | 9 |  |  |  |  |  |  | 350 |
| 6 | 42 | 972 | -- |  |  |  |  |  |  | 1,014 |
| 7 |  | 1,700 | -- |  |  |  |  |  |  | 1,700 |
| 8 |  | 3,137 | 190 |  |  |  |  |  |  | 3,327 |
| 9 |  | 5,623 | 201 | 52 |  |  |  |  |  | 5,876 |
| 40 |  | 8,3.33 | 283 | -- |  |  |  |  |  | 8,616 |
| 1 |  | 8,997 | 1,829 | 134 |  |  |  |  |  | 10,960 |
| 2 |  | 10,290 | 71 L | 704 |  |  |  |  |  | 11,706 |
| 3 |  | 10,403 | 2,256 | 1,008 |  |  |  |  |  | 13,667 |
| 4 |  | 10,435 | 2,768 | 1,135 |  |  |  |  |  | 14, 339 |
| 5 |  | 9,297 | 2,105 | 1,148 | 283 |  |  |  |  | 12,833 |
| 6 |  | 7,421 | 2,981 | 2, 146 | 136 |  |  |  |  | 12,684 |
| 7 |  | 4,957 | 3,175 | 3, 364 | 159 | 2 |  |  |  | 11,657 |
| 8 |  | 4,285 | 3,674 | 3,118 | 200 | -- |  |  |  | 11,277 |
| 9 |  | 1,554 | 2,520 | 5,248 | 270 | -- |  |  |  | 9,592 |
| 50 |  | 910 | 1,927 | 5,935 | 1.056 | 178 |  |  |  | 10,006 |
| 1 |  | 792 | 2,87 | 4.838 | 934 | 80 | 125 |  |  | 9,643 |
| 2 |  | 531 | 1,286 | 5,138 | 1,083 | 562 | 77 |  |  | 8,689 |
| 3 |  | 77 | 1,374 | ¢, 908 | 1,196 | 411 | 83 |  |  | 8,049 |
| 4 |  | -- | 552 | 6,166 | 765 | 351 | 63 |  |  | 7,897 |
| 5 |  | 135 | 734 | 3,996 | 1,553 | 792 | 137 |  |  | 7,347 |
| 6 |  | 6! | 150 | 4,271 | 1,262 | 813 | 265 |  |  | 6,825 |
| 7 |  |  | 125 | 2,824 | 1,523 | 965 | 111 | 44 |  | 5, 593 |
| 8 |  |  | 160 | 1,996 | 1,399 | 1,389 | 193 | 34 |  | 5,171 |
| 9 |  |  | 50 | 1,734 | 818 | 1,381 | 592 | -- |  | 4,575 |
| 60 |  |  | 28 | 918 | 613 | 1,354 | 525 | 4 |  | 3,442 |
| 1 |  |  | 47 | 501 | 598 | i, 031 | 497 | 206 | 66 | 2,946 |
| 2 |  |  | 23 | 390 | 508 | 861 | 600 | 151 | -- | 2,533 |
| 3 |  |  | - -- | 239 | 283 | 1,361 | 330 | 163 | -- | 2,376 |
| 4 |  |  | -- | 73 | 468 | 1,082 | 232 | 107 | -- | 1,962 |
| 5 |  |  | -- | 27 | 302 | 726 | 368 | 212 | 33 | 1,668 |
| 6 |  |  | -- | 95 | 133 | 522 | 328 | 377 | 41 | 1,496 |
| 7 |  |  | -- | -- | 63 | 719 | 295 | 118 | 39 | 1,234 |
| 8 |  |  | 48 | -- | 82 | 607 | 275 | 104 | 106 | 1,222 |
| 9 |  |  |  | -- | -- | 195 | 349 | 262 | 47 | 853 |
| 70 |  |  |  | -- | -- | 237 | 151 | 168 | 117 | 673 |
| 1 |  |  |  | -- | 16 | 143 | 122 | 66 | 80 | 427 |
| 2 |  |  |  | 17 | -- | 70 | 211 | 157 | 17 | 472 |
| 3 |  |  |  |  | -- | 16 | 75 | 65 | 68 | 224 |
| 4 |  |  |  |  | -- | 45 | 22 | 54 | 12 | 133 |
| 5 |  |  |  |  | -- |  | 23 | 41 | 27 | 91 |
| 6 |  |  |  |  | $\delta$ |  | 16 | 7 | 50 | 81 |
| 7 |  |  |  |  |  |  | 12 | 8 | 46 | 66 |
| 8 |  |  |  |  |  |  | 34 |  | 8 | 42 |
| 9 |  |  |  |  |  |  | 11 |  | 36 | 47 |
| 80 |  |  |  |  |  |  |  |  | 23 | 23 |
| 1 |  |  |  |  |  |  |  |  | 8 | 8 |
| 2 |  |  |  |  |  |  |  |  | 6 | 6 |
| 3 |  |  |  |  |  |  |  |  | -- | -- |
| 4 |  |  |  |  |  |  |  |  | 6 | 6 |
| 5 |  |  |  |  |  |  |  |  | -- | -- |
| 6 |  |  |  |  |  |  |  |  | 4 | 4 |


| Total | 70 | 90,366 | 32,086 | 62,123 | 15,721 | 15,893 | 6,122 | 2,348 | 840 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 2256,569 |  |  |  |  |  |  |  |  |  |

Table 50.--Age-length composition of haddock landed from
52 (East and West combined), February 1956, in hundreds of fish

| Length (cm.) | Yearsof a ge |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2 | 3 | 4 | 5 | 6 | 7 | 8 | $9+$ | Total |
| 33 | 14 | 2 |  |  |  |  |  |  | 16 |
| 4 | -- | -- |  |  |  |  |  |  | -- |
| 5 | 28 | 11 |  |  |  |  |  |  | 39 |
| 6 | 46 | 8 |  |  |  |  |  |  | 54 |
| 7 | 109 | 115 |  |  |  |  |  |  | 224 |
| 8 | 167 | 135 |  |  |  |  |  |  | 302 |
| 9 | 132 | 89 | 129 | 35 |  |  |  |  | 385 |
| 40 | 223 | 104 | 69 | -- |  |  |  |  | 396 |
| 1 | 70 | 71 | 392 | -- |  |  |  |  | 533 |
| 2 |  | 406 | 405 | -- |  |  |  |  | 811 |
| 3 |  | 67 | 592 | 106 |  |  |  |  | 765 |
| 4 |  | 410 | 410 | 246 |  |  |  |  | 1,066 |
| 5 |  | 647 | 639 | 1 |  |  |  |  | 1,287 |
| 6 |  | 306 | 939 | 179 | 124 |  |  |  | 1,548 |
| 7 |  | 473 | 887 | 205 | 2 |  |  |  | 1,567 |
| 8 |  | 181 | 1,159 | 374 | -- |  |  |  | 1,714 |
| 9 |  | 231 | 1,188 | 140 | 108 |  |  |  | 1,667 |
| 50 |  | -- | 1,390 | 231 | 31 | 27 |  |  | 1,679 |
| 1 |  | -- | 1,243 | 282 | 210 | 30 |  |  | 1,765 |
| 2 |  | 83 | 978 | 228 | 228 | 217 |  |  | 1,734 |
| 3 |  | 12 | 671 | 320 | 164 | -- |  |  | 1,167 |
| 4 |  | -- | 517 | 231 | 276 | 91 |  |  | 1,115 |
| 5 |  | -- | 313 | 152 | 379 | 42 |  |  | 886 |
| 6 |  | 2 | 392 | 152 | 482 | -- |  |  | 1,028 |
| 7 |  |  | 207 | 13 | 388 |  | 13 |  | - 621 |
| 8 |  |  | 70 | 151 | 578 | $81$ | -- |  | 880 |
| 9 |  |  | 159 | 29 | 262 | 245 | 29 |  | 724 |
| 60 |  |  | -- | 163 | 313 | 114 | -- |  | 590 |
| 1 |  |  | 13 | 40 | 129 | 169 | 79 | 12 | 442 |
| 2 |  |  | 10 | 57 | 113 | 78 | 148 | 23 | 429 |
| 3 |  |  |  | -- | 205 | 94 | 83 | - | 382 |
| 4 |  |  |  | 52 | 223 | 123 | 49 | -- | 447 |
| 5 |  |  |  | 16 | 78 | 16 | 110 | 48 | 268 |
| 6 |  |  |  | 38 | 89 | -- | 185 | 17 | 329 |
| 7 |  |  |  | 10 | 66 | 46 | 56 | -- | 178 |
| 8 |  |  |  |  | 62 | 46 | 45 | 33 | 187 |
| 9 |  |  |  |  |  | 47 | 36 | 25 | 108 |
| 70 |  |  |  |  |  | Co | 44 | 96 | 200 |
| 1 |  |  |  |  |  | $6-$ | 3 | 68 | 135 |
| 2 |  |  |  |  |  | 7 | 67 | -- | 74 |
| 3 |  |  |  |  |  | 3 | 42 | 9 | 54 |
| 4 |  |  |  |  |  |  | 8 | 76 | 84 |
| Total | 789 | 3, 353 | 12,772 | 3,451 | 4,510 | 1,600 | 998 | 407 | 27, 880 |

Table 51. -- Age-length composition of haddock landed from 52 (East and West combined), March 1956, in hundreds of fish

| $\begin{aligned} & \text { Length } \\ & (\mathrm{cm} .) \end{aligned}$ | Y e a r |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2 | 3 | 4 | 5 | 6 | 7 | 8 | $9+$ | Total |
| 37 | 55 |  |  |  |  |  |  |  | 55 |
| 8 | 22 | 6 |  |  |  |  |  |  | 28 |
| 9 | 92 | 55 | 19 |  |  |  |  |  | 166 |
| 40 | 103 | 58 | 39 |  |  |  |  |  | 200 |
| 1 | 69 | 70 | 174 |  |  |  |  |  | 313 |
| 2 |  | 127 | 128 |  |  |  |  |  | 255 |
| 3 |  | 16 | 409 | 93 |  |  |  |  | 518 |
| 4 |  | 254 | 253 | 212 |  |  |  |  | 719 |
| 5 |  | 560 | 560 | -- |  |  |  |  | 1,120 |
| 6 |  | 223 | 815 | 156 | 123 |  |  |  | i, 317 |
| 7 |  | 329 | 1,004 | 242 | 2 |  |  |  | 1,577 |
| 8 |  | 142 | 1,022 | 383 | -- |  |  |  | 1,547 |
| 9 |  | 267 | 1,201 | 157 | 120 |  |  |  | 1,745 |
| 50 |  | -- | 1,218 | 241 | -- | 32 |  |  | 1,491 |
| 1 |  | -- | 1, 010 | 197 | 189 | 4 |  |  | 1,400 |
| 2 |  | 45 | 656 | 166 | 156 | 135 |  |  | 1,158 |
| 3 |  | 10 | 848 | 369 | 148 | -- |  |  | 1,375 |
| 4 |  |  | 537 | 202 | 424 | 96 |  |  | 1,259 |
| 5 |  | -- | 543 | 153 | 376 | 36 |  |  | 1,108 |
| 6 |  | 9 | 615 | 199 | 487 | 2 |  |  | 1,312 |
| 7 |  | 14 | 294 | 135 | 418 | -- | 14 |  | 875 |
| 8 |  | 10 | 159 | 220 | 413 | 62 | -- |  | 864 |
| 9 |  |  | 204 | 65 | 292 | 270 | 28 |  | 859 |
| 60 |  |  | 5 | 129 | 243 | 76 | 2 |  | 455 |
| 1 |  |  | 16 | 57 | 176 | 234 | 114 | 16 | 613 |
| 2 |  |  | 11 | 49 | 104 | 71 | 130 | 19 | 384 |
| 3 |  |  |  |  | 284 | 109 | 85 | -- | 478 |
| 4 |  |  |  | 26 | 112 | 61 | 24 | -- | 223 |
| 5 |  |  |  | 27 | 100 | 27 | 120 | 47 | 321 |
| 6 |  |  |  | 14 | 48 | -- | 77 | 11 | 150 |
| 7 |  |  |  | 20 | 66 | 28 | 47 | -- | 161 |
| 8 |  |  |  |  | 32 | 21 | 20 | 13 | 86 |
| 9 |  |  |  |  |  | 7 | 11 | 14 | 32 |
| 70 |  |  |  |  |  | 40 | 10 | 36 | 86 |
| 1 |  |  |  |  |  | 31 | 7 | 46 | 84, |
| 2 |  |  |  |  |  |  | -- | - | -- |
| 3 |  |  |  |  |  |  | -- | -- | -- |
| 4 |  |  |  |  |  |  | 11 | -- | 11 |
| 5 |  |  |  |  |  |  |  | -- | -- |
| 6 |  |  |  |  |  |  |  | 11 | 11 |
| 7 |  |  |  |  |  |  |  | 11 | 11 |
| 8 |  |  |  |  |  |  |  | 41 | 41 |
| 9 |  |  |  |  |  |  |  |  |  |
| 80 |  |  |  |  |  |  |  |  |  |
| Total | 341 | 2,195 | 11,740 | 3,512 | 4,313 | 1,342 | 700 | 265 | 24,408 |

Table 52.--Age-length composition of haddock landed from
52 (East and West combined), April 1956, in hundreds of fish

| Length$(\mathrm{cm} .)$ | Years of a g e |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2 | 3 | 4 | 5 | 6 | 7 | 8 | $9+$ | Total |
| 36 | 20 |  |  |  |  |  |  |  | 20 |
| 7 | 20 |  |  |  |  |  |  |  | 20 |
| 8 | 33 | 8 |  |  |  |  |  |  | 41 |
| 9 | 34 | 20 | 63 | 18 |  |  |  |  | 135 |
| 40 | 354 | 25 | 16 | -- |  |  |  |  | 395 |
| 1 | 204 | 203 | 49 | -- |  |  |  |  | 456 |
| 2 |  | 260 | 259 | -- |  |  |  |  | 519 |
| 3 |  | 105 | 380 | 30 |  |  |  |  | 515 |
| 4 |  | 147 | 148 | 66 |  |  |  |  | 361 |
| 5 |  | 166 | 165 | -- |  |  |  |  | 331 |
| 6 |  | 155 | 340 | 58 | 9 |  |  |  | 562 |
| 7 |  | 214 | 235 | 50 | -- |  |  |  | 499 |
| 8 |  | 244 | 435 | 37 | -- |  |  |  | 716 |
| 9 |  | 242 | 497 | 28 | 15 |  |  |  | 782 |
| 50 |  | -- | 759 | 110 | 15 | 2 |  |  | 886 |
| 1 |  | - | 560 | 62 | 28 | 11 |  |  | 661 |
| 2 |  | 22 | 396 | 48 | 91 | 16 |  |  | 573 |
| 3 |  | 13 | 303 | 109 | 70 | -- |  |  | 495 |
| 4 |  | -- | 443 | 116 | 107 | 16 |  |  | 682 |
| 5 |  | -- | 243 | 74 | 99 | 59 |  |  | 475 |
| 6 |  | -- | 274 | 87 | 114 | -- |  |  | 475 |
| 7 |  | 2 | 135 | 39 | 109 | -- | 18 |  | 303 |
| 8 |  | 3 | 71 | 97 | 194 | 25 | -- |  | 390 |
| 9 |  |  | 71 | 14 | 115 | 83 | 5 |  | 288 |
| 60 |  |  | 4 | 37 | 73 | 12 | 2 |  | 128 |
| 1 |  |  | 9 | 18 | 61 | 70 | 24 | 9 | 191 |
| 2 |  |  | 11 | 21 | 61 | 41 | 56 | 3 | 193 |
| 3 |  |  |  | -- | 75 | 12 | -- | -- | 87 |
| 4 |  |  |  | 35 | 73 | 31 | 7 | -- | 146 |
| 5 |  |  |  | 17 | 36 | 17 | 17 | -- | 87 |
| 6 |  |  |  | -- | 39 | -- | 26 | 13 | 78 |
| 7 |  |  |  | 10 | 28 | 7 | 16 | -- | 61 |
| 8 |  |  |  |  | 39 | 8 | 8 | -- | 55 |
| 9 |  |  |  |  |  | 31 | 15 | -- | 46 |
| 70 |  |  |  |  |  | 21 | -- | 11 | 32 |
| 1 |  |  |  |  |  | -- | 9 | 20 | 29 |
| 2 |  |  |  |  |  | 18 | 37 | -- | 55 |
| 3 |  |  |  |  |  | 3 | 4 | 7 | 14 |
| 4 |  |  |  |  |  |  | -- | 21 | 21 |
| 5 |  |  |  |  |  |  | 1 | 4 | 5 |
| 6 |  |  |  |  |  |  |  | 9 | 9 |
| Total | 665 | 1,829 | 5,866 | 1,181 | 1,451 | 483 | 245 | 97 | 11,817 |

Table 53. -- Age-length composition of haddock landed from 52 (East and West combined), May 1956, in hundreds of fish

| Length <br> (cm.) | Years of a ge |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 33 | 21 |  |  |  |  |  |  |  | 21 |
| 4 | 21 |  |  |  |  |  |  |  | 21 |
| 5 | 149 |  |  |  |  |  |  |  | 149 |
| 6 | 369 |  |  |  |  |  |  |  | 369 |
| 7 | 433 | 7 |  |  |  |  |  |  | 440 |
| 8 | 736 | 88 |  |  |  |  |  |  | 824 |
| 9 | 1,221 | 28 |  |  |  |  |  |  | 1,249 |
| 40 | 1,303 | 152 |  |  |  |  |  |  | 1,455 |
| 1 | 1,258 | 485 | 101 |  |  |  |  |  | 1,844 |
| 2 | 1,177 | 219 | 304 |  |  |  |  |  | 1,700 |
| 3 | 1,122 | 313 | 307 | 52 |  |  |  |  | 1,794 |
| 4 | 601 | 501 | 585 | -- |  |  |  |  | 1,687 |
| 5 | 368 | 720 | 581 | -- | 56 |  |  |  | 1,725 |
| 6 | 273 | 913 | 614 | -- | -- |  |  |  | 1,800 |
| 7 | 273 | 569 | 1,139 | 79 | -- |  |  |  | 2,060 |
| 8 | 105 | 883 | 937 | 97 | 2 | 46 |  |  | 2,070 |
| 9 |  | 639 | 1,672 | 48 | -- | -- |  |  | 2,359 |
| 50 |  | 794 | 1,330 | 193 | 37 | -- |  |  | 2, 354 |
| 1 |  | 628 | 1,301 | 189 | 38 | 28 |  |  | 2,184 |
| 2 |  | 291 | 1,269 | 293 | 112 | 31 |  |  | 1,996 |
| 3 |  | 96 | 998 | 341 | 79 | 68 | 15 |  | 1,597 |
| 4 |  | 53 | 1,108 | 176 | 96 | 22 | -- |  | 1,455 |
| 5 |  | 21 | 746 | 324 | 283 | -- | -- |  | 1,374 |
| 6 |  | 27 | 567 | 237 | 201 | 87 | -- |  | 1,119 |
| 7 |  | -- | 331 | 331 | 396 | 66 | -- |  | 1,124 |
| 8 |  | -- | 273 | 245 | 297 | 55 | -- |  | 870 |
| 9 |  | 35 | 288 | 139 | 241 | 115 | 34 |  | 852 |
| 60 |  | -- | 78 | 70 | 193 | 140 | 31 |  | 512 |
| 1 |  | 15 | 16 | 91 | 183 | 123 | 45 |  | 473 |
| 2 |  |  | 9 | 106 | 222 | 119 | 6 | 2 | 464 |
| 3 |  |  | 30 | 15 | 162 | 116 | 87 | -- | 410 |
| 4 |  |  | 13 | 94 | 128 | 70 | 30 | 2 | 337 |
| 5 |  |  | - | 24 | 107 | 72 | 142 | 12 | 357 |
| 6 |  |  | -- | -- | 51 | 89 | 86 | -- | 226 |
| 7 |  |  | 1 | 2 | 124 | 62 | 31 | 18 | 238 |
| 8 |  |  | 1 | 2 | 105 | 44 | 25 | 25 | 202 |
| 9 |  |  |  | -- | 23 | 39 | 56 | -- | 118 |
| 70 |  |  |  | -- | 10 | 31 | 63 | 31 | 135 |
| 1 |  |  |  | -- | 38 | 23 | 23 | 7 | 91 |
| 2 |  |  |  | -- | 11 | 46 | 23 | -- | 80 |
| 3 |  |  |  | -- | 6 | -- | 6 | 11 | 23 |
| 4 |  |  |  | -- |  | - | 11 | 6 | 17 |
| 5 |  |  |  | -- |  | 11 | 6 | 6 | 23 |
| 6 |  |  |  | 2 |  | 3 | -- | 6 | 11 |
| 7 |  |  |  |  |  | 4 | 2 | 11 | 17 |
| 8 |  |  |  |  |  | -- |  | -- | - |
| 9 |  |  |  |  |  | 2 |  | 9 | 11 |
| 80 |  |  |  |  |  |  |  | -- | -- |
| 1 |  |  |  |  |  |  |  | -- | -- |
| 2 |  |  |  |  |  |  |  | 6 | 6 |
| 3 |  |  |  |  |  |  |  | -- | -- |
| 4 |  |  |  |  |  |  |  | 6 | 6 |
| Total | 9,430 | 7,477 | 14,599 | 3,150 | 3,201 | 1,512 | 722 | 158 | 40,249 |

Table 54. -- Age-length composition of haddock landed from 52 (East and West combined), June 1956, in hundreds of fish

| Length (cm.) | Y e a r s of a g e |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2 | 3 | 4 | 5 | 6 | 7 | 8 | $9+$ | Total |
| 35 | 104 |  |  |  |  |  |  |  | 104 |
| 6 | 221 |  |  |  |  |  |  |  | 221 |
| 7 | 590 | 39 |  |  |  |  |  |  | 629 |
| 8 | 611 | 69 |  |  |  |  |  |  | 680 |
| 9 | 1,310 | 33 |  |  |  |  |  |  | 1,343 |
| 40 | 1,812 | 199 |  |  |  |  |  |  | 2,011 |
| 1 | 1, 623 | 572 | 140 |  |  |  |  |  | 2,335 |
| 2 | 1,363 | 248 | 323 |  |  |  |  |  | 1,934 |
| 3 | 1,324 | 310 | 354 | 43 |  |  |  |  | 2,031 |
| 4 | 943 | 781 | 913 | -- |  |  |  |  | 2,637 |
| 5 | 650 | 703 | 520 | -- | 32 |  |  |  | 1,905 |
| 6 | 373 | 1,162 | 805 | 1 | - |  |  |  | 2,341 |
| 7 | 304 | 626 | 1,244 | 97 | -- |  |  |  | 2,271 |
| 8 | 107 | 941 | 1, 028 | 104 | -- | 52 |  |  | 2,232 |
| 9 |  | 650 | 1, 833 | 57 | -- | -- |  |  | 2,540 |
| 50 |  | 758 | 1,647 | 222 | 68 | -- |  |  | 2,695 |
| 1 |  | 737 | 1,643 | 279 | 60 | 40 |  |  | 2,759 |
| 2 |  | 314 | 1,418 | 333 | 133 | 32 |  |  | 2,230 |
| 3 |  | 107 | 1,575 | 431 | 136 | 113 | 25 |  | 2,387 |
| 4 |  | 49 | 1,339 | 202 | 182 | 28 | -- |  | 1,800 |
| 5 |  | 24 | 1,049 | 444 | 372 | -- | -- |  | 1,889 |
| 6 |  | 16 | 750 | 225 | 223 | 104 | -- |  | 1,318 |
| 7 |  | 1 | 349 | 353 | 360 | 48 | -- |  | 1,111 |
| 8 |  | -- | 238 | 233 | 290 | 42 | -- |  | 803 |
| 9 |  | 13 | 282 | 101 | 233 | 123 | 13 |  | 765 |
| 60 |  |  | 107 | 63 | 268 | 127 | 10 |  | 575 |
| 1 |  | 19 | 4 | 100 | 184 | 123 | 57 |  | 487 |
| 2 |  |  | 4 | 114 | 251 | 137 | 3 | 1 | 510 |
| 3 |  |  | 47 | 23 | 257 | 94 | 47 | -- | 468 |
| 4 |  |  | 13 | 94 | 121 | 54 | 27 | -- | 309 |
| 5 |  |  | -- | 25 | 115 | 76 | 38 | 13 | 267 |
| 6 |  |  | -- | -- | 69 | 92 | 115 | -- | 276 |
| 7 |  |  | 1 | 3 | 161 | 82 | 40 | 24 | 311 |
| 3 |  |  |  | -- | 180 | 59 | 30 | 32 | 301 |
| $y$ |  |  |  | -- | 41 | 69 | 82 | -- | 192 |
| 70 |  |  |  | -- | -- | 36 | 70 | 36 | 142 |
| I |  |  |  | -- | 18 | 10 | 10 | 4 | 42 |
| 2 |  |  |  | -- | 16 | 62 | 31 | -- | 109 |
| 3 |  |  |  | -- | 2 | -- | 2 | 4 | 8 |
| 4 |  |  |  | -- |  | -- | -- | - | -- |
| 5 |  |  |  | -- |  | 9 | 4 | 4 | 17 |
| 6 |  |  |  | 4 |  | 4 | -- | 9 | 17 |
| 7 |  |  |  |  |  | 2 | 1 | 5 | 8 |
| 8 |  |  |  |  |  | 4 |  | 4 | 8 |
| 9 |  |  |  |  |  | 2 |  | 6 | 8 |
| 80 |  |  |  |  |  |  |  | 8 | 8 |
| 1 |  |  |  |  |  |  |  | 8 | 8 |
| Total | 11,335 | 8,371 | 17,626 | 3, 551 | 3,772 | 1,624 | 605 | 158 | 47,042 |

Table 55.--Age-length composition of haddock landed from 5 Z (East and West combined), July 1956, in hundreds of fish

| Length (cm.) | Year s of a g e |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2 | 3 | 4 | 5 | G | 7 | 8 | $9+$ | Total |
| 32 | 16 |  |  |  |  |  |  |  | 16 |
| 3 | 37 |  |  |  |  |  |  |  | 37 |
| 4 | 89 |  |  |  |  |  |  |  | 89 |
| 5 | 168 |  |  |  |  |  |  |  | 168 |
| 6 | 335 |  |  |  |  |  |  |  | 335 |
| 7 | 518 | 59 |  |  |  |  |  |  | 577 |
| 8 | 875 | 85 |  |  |  |  |  |  | 960 |
| 9 | 1,186 | 65 | - |  |  |  |  |  | 1,251 |
| 40 | 1,341 | 136 |  |  |  |  |  |  | 1,477 |
| 1 | 1,256 | 359 | 124 |  |  |  |  |  | 1,739 |
| 2 | 929 | 179 | 315 |  |  |  |  |  | 1,423 |
| 3 | 904 | 449 | 277 | 103 |  |  |  |  | 1,733 |
| 4 | 498 | 532 | 702 | -- |  |  |  |  | 1,732 |
| 5 | 236 | 780 | 662 | -- | 74 |  |  |  | 1,752 |
| 6 | 176 | 1,223 | 579 | -- | -- |  |  |  | 1,978 |
| 7 | 231 | 485 | 1,078 | 54 | -- |  |  |  | 1,848 |
| 8 | 38 | 742 | 881 | 96 | -- | 77 |  |  | 1,834 |
| 9 |  | 596 | 1,335 | 23 | -- | -- |  |  | 1,954 |
| 50 |  | 511 | 1,021 | 120 | 27 | -- |  |  | 1,679 |
| 1 |  | 359 | 907 | 173 | 62 | 12 |  |  | 1,513 |
| 2 |  | 231 | 936 | 206 | 78 | 14 |  |  | 1,465 |
| 3 |  | 83 | 806 | 229 | 69 | 72 | 19 |  | 1,278 |
| 4 |  | 77 | 815 | 136 | 114 | 13 | -- |  | 1,155 |
| 5 |  | 51 | 557 | 223 | 197 | -- | -- |  | 1,028 |
| 6 |  | 38 | 488 | 257 | 196 | 79 | -- |  | 1,058 |
| 7 |  | 4 | 242 | 255 | 257 | 38 | -- |  | 796 |
| 8 |  | -- | 224 | 209 | 231 | 47 | -- |  | 711 |
| 9 |  | 13 | 157 | 74 | 133 | 79 | -- |  | 456 |
| 60 |  | -- | 71 | 58 | 176 | 116 | 22 |  | 443 |
| 1 |  | 13 | 10 | 81 | 150 | 98 | 38 |  | 390 |
| 2 |  |  | 5 | 88 | 179 | 94 | 3 | 1 | 370 |
| 3 |  |  | 17 | 9 | 96 | 52 | 34 | -- | 208 |
| 4 |  |  | 9 | 59 | 81 | 44 | 19 | 1 | 213 |
| 5 |  |  | -- | 17 | 74 | 50 | 42 | 8 | 191 |
| 6 |  |  | - | -- | 34 | 52 | 57 | -- | 143 |
| 7 |  |  | 2 | 5 | 75 | 53 | 25 | 19 | 179 |
| 8 |  |  | 1 | 1 | 71 | 30 | 17 | 17 | 137 |
| 9 |  |  |  | -- | 21 | 36 | 50 | -- | 107 |
| 70 |  |  |  | -- | 17 | 17 | 35 | 17 | 86 |
| 1 |  |  |  | -- | 23 | 15 | 16 | 7 | 61 |
| 2 |  |  |  | -- | 7 | 26 | 13 | 11 | 57 |
| 3 |  |  |  | -- | 9 | 1 | 10 | 18 | 38 |
| 4 |  |  |  | -- |  | -- | 3 | 2 | 5 |
| 5 |  |  |  | -- |  | 2 | 1 | 1 | 4 |
| 6 |  |  |  | 2 |  | 2 | -- | 5 | 9 |
| 7 |  |  |  |  |  | 2 | 1 | 6 | 9 |
| 8 |  |  |  |  |  | 2 |  | 2 | 4 |
| 9 |  |  |  |  |  |  |  | -- | - |
| 80 |  |  |  |  |  |  |  | 4 | 4 |
| Total | 8,833 | 7,070 | 12,221 | 2,478 | 2,451 | 1,123 | 405 | 119 | 34,700 |

Table 56. - Age-length composition of haddock landed from
$5 Z$ (East and West combined), August 1956, in hundreds of fish

| Length <br> (cm.) | Years of a g e |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | $9+$ | Total |
| 33 |  | 29 |  |  |  |  |  |  |  | 29 |
| 4 | 26 | 32 |  |  |  |  |  |  |  | 58 |
| 5 | -- | 88 |  |  |  |  |  |  |  | 88 |
| 6 | 1 | 225 |  |  |  |  |  |  |  | 226 |
| 7 |  | 530 | 117 |  |  |  |  |  |  | 647 |
| 8 |  | 942 | -- |  |  |  |  |  |  | 942 |
| 9 |  | 1,605 | 430 |  |  |  |  |  |  | 2, 035 |
| 40 |  | 1,598 | 584 | 117 |  |  |  |  |  | 2,299 |
| 1 |  | 2,612 | 108 | 110 |  |  |  |  |  | 2,830 |
| 2 |  | 2, 319 | 185 | 88 |  |  |  |  |  | 2,592 |
| 3 |  | 2,564 | 794 | 108 |  |  |  |  |  | 3,466 |
| 4 |  | 2,031 | 1,001 | 124 |  |  |  |  |  | 3, 156 |
| 5 |  | 2,076 | 370 | 478 | 69 |  |  |  |  | 2,993 |
| 6 |  | 1,524 | 962 | 333 | 1 |  |  |  |  | 2, 820 |
| 7 |  | 1,049 | 618 | 582 | -- |  |  |  |  | 2, 249 |
| 8 |  | 1,380 | 1,121 | 603 | -- | 50 |  |  |  | 3, 154 |
| 9 |  | 523 | 768 | 1,153 | 88 | -- |  |  |  | 2,532 |
| 50 |  | 166 | 249 | 1,161 | 275 | -- |  |  |  | 1,851 |
| 1 |  | 134 | 522 | 808 | 312 | 82 |  |  |  | 1,858 |
| 2 |  | 124 | 89 | 1,333 | 159 | 71 |  |  |  | 1,776 |
| 3 |  | -- | 338 | 772 | 131 | 155 | 25 |  |  | 1,421 |
| 4 |  | -- | 115 | 839 | 149 | 172 | 22 |  |  | 1,297 |
| 5 |  | 68 | 121 | 526 | 245 | 149 | 50 |  |  | 1,159 |
| 6 |  |  | 41 | 382 | 198 | 67 | 14 |  |  | 702 |
| 7 |  |  | 26 | 385 | 180 | 52 | -- |  |  | 643 |
| 8 |  |  | 25 | 300 | 99 | 37 | 12 |  |  | 473 |
| 9 |  |  | 20 | 193 | 75 | 144 | 63 | 44 |  | 539 |
| 60 |  |  | -- | 141 | 70 | 58 | 49 | 8 |  | 326 |
| 1 |  |  | -- | 77 | 50 | 98 | -- | -- |  | 225 |
| 2 |  |  | -- | 65 | 41 | 26 | 41 | 9 |  | 182 |
| 3 |  |  | -- | -- | 22 | 103 | - | 31 | 10 | 166 |
| 4 |  |  | -- | -- | 14 | 128 | -- | -- | -- | 142 |
| 5 |  |  | -- | -- | 19 | 56 | 3 | - | -- | 78 |
| 6 |  |  | -- | 13 | 25 | 25 | 15 | 13 | 2 | 93 |
| 7 |  |  | -- | - | -- | 94 | 13 | - | -- | 107 |
| 8 |  |  | 17 | - | 1 | 1 | 19 | -- | 17 | 55 |
| 9 |  |  |  | -- |  | 17 | -- | 17 | 17 | 51 |
| 70 |  |  |  | -- |  | 8 | 4 | 1 | 1 | 14 |
| 1 |  |  |  | - |  |  | 7 | -- | 2 | 9 |
| 2 |  |  |  | 3 |  |  | 7 | -- | -- | 10 |
| 3 |  |  |  |  |  |  | 5 | -- | -- | 5 |
| 4 |  |  |  |  |  |  | 4 | 3 | 2 | 9 |
| 5 |  |  |  |  |  |  | -- | -- | -- | - |
| 6 |  | * |  |  |  |  | 2 | 2 | 1 | 5 |
| 7 |  |  |  |  |  |  | -- |  | - | -- |
| 8 |  |  |  |  |  |  | 3 |  | 2 | 5 |
| Total | 27 | 21,619 | 8,621 | 10,694 | 2,223 | 1,593 | 358 | 128 | 54 | 45,317 |

Table 57. -- Age-length composition of haddock landed from
$5 Z$ (East and West combined), September 1956, in hundreds of fish

| Length (cm.) | Years of ag e |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 34 | 2328 |  |  |  |  |  |  |  | 51 |
| 5 | 31 |  |  |  |  |  |  |  | 31 |
| 6 | 279 |  |  |  |  |  |  |  | 279 |
| 7 | 322 | 39 |  |  |  |  |  |  | 361 |
| 8 | 1,243 | -- |  |  |  |  |  |  | 1,243 |
| 9 | 1,837 | 186 |  |  |  |  |  |  | 2,023 |
| 40 | 3, 192 | 277 | 55 |  |  |  |  |  | 3,524 |
| 1 | 3, 355 | 287 | 51 |  |  |  |  |  | 3,693 |
| 2 | 4,518 | 126 | 63 |  |  |  |  |  | 4, 707 |
| 3 | 4,178 | 1,303 | 60 |  |  |  |  |  | 5,541 |
| 4 | 4, 064 | 1,207 | 68 |  |  |  |  |  | 5,339 |
| 5 | 3, 150 | 505 | 328 | 150 |  |  |  |  | 4,133 |
| 6 | 2,733 | 917 | 258 | -- |  |  |  |  | 3,908 |
| 7 | 1,909 | 825 | 970 | -- |  |  |  |  | 3, 704 |
| 8 | 1,234 | 1,044 | 518 | -- | 10 |  |  |  | 2,806 |
| 9 | 325 | 414 | 478 | 53 | -- |  |  |  | 1,270 |
| 50 | 149 | 213 | 735 | 144 | -- |  |  |  | 1,241 |
| 1 | 58 | 278 | 540 | 149 | 45 |  |  |  | 1,070 |
| 2 | 83 | 57 | 483 | 58 | 35 |  |  |  | 716 |
| 3 | -- | 160 | 414 | 55 | 52 | 9 |  |  | 690 |
| 4 | -- | 82 | 491 | 76 | 87 | 9 |  |  | 745 |
| 5 | 51 | 74 | 300 | 137 | 70 | 18 |  |  | 650 |
| 6 |  | 48 | 330 | 150 | 29 | 6 |  |  | 563 |
| 7 |  | 13 | 204 | 106 | 36 | -- |  |  | 359 |
| 8 |  | 26 | 225 | 63 | 39 | 13 |  |  | 366 |
| 9 |  | 13 | 110 | 38 | 84 | 32 | 20 |  | 297 |
| 60 |  | -- | 127 | 64 | 48 | 44 | 4 |  | 287 |
| 1 |  | -- | 144 | 57 | 115 | -- | -- |  | 316 |
| 2 |  | -- | 81 | 51 | 32 | 51 | 13 |  | 228 |
| 3 |  | -- | -- | 23 | 106 | -- | 30 | 7 | 166 |
| 4 |  | -- | -- | 22 | 103 | -- | -- | -- | 125 |
| 5 |  | -- | 1 | 34 | 91 | 10 | 1 | -- | 137 |
| 6 |  | -- | 13 | 27 | 26 | 29 | 13 | 17 | 125 |
| 7 |  | -- |  |  | 69 | 22 | -- | - | 91 |
| 8 |  | 15 |  |  | -- | 16 | -- | 15 | 46 |
| 9 |  |  |  |  | 16 | -- | 21 | 15 | 52 |
| 70 |  |  |  |  | 84 | 5 | 2 | 1 | 92 |
| 1 |  |  |  |  | -- | 22 | -- | 7 | 29 |
| 2 |  |  |  |  | -- | 6 | -- | - | 6 |
| 3 |  |  |  |  | -- | 14 | 2 | 1 | 17 |
| 4 |  |  |  |  | -- | -- | -- | -- | -- |
| 5 |  |  |  |  | -- | - | - | -- | - |
| 6 |  |  |  |  | 2 | 2 | 2 | -- | 6 |
| 7 |  |  |  |  |  | 4 | 4 | 4 | 12 |
| 8 |  |  |  |  |  |  |  | -- | -- |
| 9 |  |  |  |  |  |  |  | 12 | 12 |
| Total | 23 32,739 | 8,109 | 7,047 | 1,457 | 1,179 | 312 | 112 | 79 | 51,057 |

Table 58. - Age-length composition of haddock landed from 52 (East and West combined), October 1956, in hundreds of fish

| $\begin{gathered} \text { Length } \\ (\mathrm{cm} .) \end{gathered}$ | Years of a ge |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | $9+$ | Total |
| 34 | 12 | 16 |  |  |  |  |  |  |  | 28 |
| 5 | 5 | 197 |  |  |  |  |  |  |  | 202 |
| 6 |  | 377 |  |  |  |  |  |  |  | 377 |
| 7 |  | 387 | 96 |  |  |  |  |  |  | 483 |
| 8 |  | 874 | -- |  |  |  |  |  |  | 874 |
| 9 |  | 1,340 | 345 |  |  |  |  |  |  | 1,685 |
| 40 |  | 1,656 | 563 | 113 |  |  |  |  |  | 2, 332 |
| 1 |  | 2,999 | 140 | 117 |  |  |  |  |  | 3,256 |
| 2 |  | 2,707 | 171 | 87 |  |  |  |  |  | 2,965 |
| 3 |  | 2,458 | 760 | 99 |  |  |  |  |  | 3,317 |
| 4 |  | 2,117 | 1,090 | 142 |  |  |  |  |  | 3,349 |
| 5 |  | 1,977 | 341 | 483 | 64 |  |  |  |  | 2,865 |
| 6 |  | 1,346 | 784 | 293 | -- |  |  |  |  | 2,423 |
| 7 |  | 994 | 599 | 570 | 1 |  |  |  |  | 2,164 |
| 8 |  | 631 | 580 | 309 | -- | 25 |  |  |  | 1,545 |
| 9 |  | 298 | 387 | 544 | 53 | -- |  |  |  | 1,282 |
| 50 |  | 114 | 206 | 746 | 175 | -- |  |  |  | 1,241 |
| 1 |  | 87 | 333 | 484 | 212 | 57 |  |  |  | 1,173 |
| 2 |  | 94 | 67 | 666 | 105 | 50 |  |  |  | 982 |
| 3 |  | -- | 223 | 429 | 54 | 54 | 9 |  |  | 769 |
| 4 |  | -- | 70 | 537 | 104 | 122 | 17 |  |  | 850 |
| 5 |  | 16 | 83 | 369 | 171 | 98 | 31 |  |  | 768 |
| 6 |  | 64 | 31 | 301 | 127 | 35 | 7 |  |  | 565 |
| 7 |  |  | 21 | 314 | 146 | 42 | -- |  |  | 523 |
| 8 |  |  | 28 | 238 | 68 | 42 | 14 |  |  | 390 |
| 9 |  |  | 17 | 132 | 50 | 98 | 30 | 15 |  | 342 |
| 60 |  |  | -- | 103 | 52 | 41 | 37 | 5 |  | 238 |
| 1 |  |  | -- | 88 | 44 | 89 | - | - |  | 221 |
| 2 |  |  | -- | 52 | 35 | 18 | 34 | 2 |  | 141 |
| 3 |  |  | -- | -- | 24 | 99 | - | 26 | 1 | 150 |
| 4 |  |  | -- | -- | 6 | 97 | -- |  | , | 103 |
| 5 |  |  | -- | -- | 24 | 71 | -- | -- | -- | 95 |
| 6 |  |  | -- | 12 | 24 | 24 | 12 | 12 | -- | 84 |
| 7 |  |  | -- | -- | - | 54 | 13 | -- | -- | 67 |
| 8 |  |  | 16 | -- | 1 | 2 | 20 | -- | 16 | 55 |
| 9 |  |  |  | -- |  | 17 | -- | 22 | 16 | 55 |
| 70 |  |  |  | -- |  | 16 | -- | -- | -- | 16 |
| 1 |  |  |  | -- |  |  | 18 | -- | 18 | 36 |
| 2 |  |  |  | 14 |  |  | 27 | -- | -- | 41 |
| 3 |  |  |  |  |  |  | 11 | -- | -- | 11 |
| 4 |  |  |  |  |  |  | 4 | 4 | 3 | 11 |
| 5 |  |  |  |  |  |  | 1 | 1 | 1 | 3 |
| 6 |  |  |  |  |  |  | 1 | 1 | 1 | 3 |
| 7 |  |  |  |  |  |  |  |  | -- | -- |
| 8 |  |  |  |  |  |  |  |  | -- | -- |
| 9 |  |  |  |  |  |  |  |  | -- | -- |
| 80 |  |  |  |  |  |  |  |  | 3 | 3 |
| Total |  | 20, 749 | 6,951 | 7,242 | 1,540 | 1,151 | 286 | 88 | 59 | 38,083 |

Table 59.--Age-length composition of haddock landed from
$5 Z$ (East and West combined), November 1956, in hundreds of fish

| $\begin{gathered} \text { Length } \\ (\mathrm{cm} .) \end{gathered}$ | Years of a g e |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 33 |  | 25 | 1 |  |  |  |  |  |  | 26 |
| 4 |  | -- | -- |  |  |  |  |  |  | -- |
| 5 |  | 24 | 2 |  |  |  |  |  |  | 26 |
| 6 | 28 | 99 | 8 |  |  |  |  |  |  | 135 |
| 7 |  | 174 | 92 |  |  |  |  |  |  | 266 |
| 8 |  | 452 | -- |  |  |  |  |  |  | 452 |
| 9 |  | 597 | 23 |  |  |  |  |  |  | 620 |
| 40 |  | 1,017 | -- |  |  |  |  |  |  | 1,017 |
| 1 |  | 1,456 | -- |  |  |  |  |  |  | 1,456 |
| 2 |  | 1,491 | 170 |  |  |  |  |  |  | 1,661 |
| 3 |  | 1,564 | -- | 104 |  |  |  |  |  | 1,668 |
| 4 |  | 1,852 | 117 | -- |  |  |  |  |  | 1,969 |
| 5 |  | 1,597 | 54 | 4 |  |  |  |  |  | 1,655 |
| 6 |  | 1,385 | 195 | 5 |  |  |  |  |  | 1,585 |
| 7 |  | 765 | 115 | 238 | 2 |  |  |  |  | 1,120 |
| 8 |  | 729 | 165 | 155 | 117 |  |  |  |  | 1,166 |
| 9 |  | 178 | 231 | 211 | 9 |  |  |  |  | 629 |
| 50 |  | 157 | 322 | 343 | 102 | 4 |  |  |  | 928 |
| 1 |  | 167 | 544 | 164 | 39 | -- |  |  |  | 914 |
| 2 |  | 66 | 162 | 377 | 144 | 8 |  |  |  | 757 |
| 3 |  | 21 | 106 | 335 | 125 | 60 |  |  |  | 647 |
| 4 |  |  | 76 | 428 | 155 | 26 |  |  |  | 685 |
| 5 |  |  | 143 | 247 | 169 | 42 |  |  |  | 601 |
| 6 |  |  | 12 | 356 | 174 | 76 | 29 |  |  | 647 |
| 7 |  |  | 17 | 345 | 179 | 52 | 17 |  |  | 610 |
| 8 |  |  | 21 | 198 | 138 | 86 | 34 | 10 |  | 487 |
| 9 |  |  |  | 176 | 137 | 106 | 28 | -- |  | 447 |
| 60 |  |  | 10 | 113 | 62 | 103 | 91 | -- |  | 379 |
| 1 |  |  | -- | 90 | 127 | 98 | 25 | 25 | 12 | 377 |
| 2 |  |  | 7 | 62 | 54 | 67 | 34 | 14 | -- | 238 |
| 3 |  |  |  | 43 | 50 | 86 | 28 |  | -- | 207 |
| 4 |  |  |  | 12 | 37 | 101 | 12 | 12 | -- | 174 |
| 5 |  |  |  | 10 | 40 | 40 | 40 | 19 | -- | 149 |
| 6 |  |  |  | 22 | 22 | 70 | 40 | 3 | 3 | 160 |
| 7 |  |  |  |  | 8 | 22 | 45 | -- | -- | 75 |
| 8 |  |  |  |  | 31 | 46 | 31 | 8 | -- | 116 |
| 9 |  |  |  |  | -- | 19 | 39 | -- | -- | 58 |
| 70 |  |  |  |  | -- | 59 | 7 | 6 | 5 | 77 |
| 1 |  |  |  |  | 6 | 23 | 17 | -- | -- | 46 |
| 2 |  |  |  |  |  | 12 | 6 | 13 | 6 | 37 |
| 3 |  |  |  |  |  | -- | 25 | 25 | 12 | 62 |
| 4 |  |  |  |  |  | 15 | 5 | 5 |  | 25 |
| 5 |  |  |  |  |  |  | -- | 17 | -- | 17 |
| 6 |  |  |  |  |  |  | 3 | 3 | 6 | 12 |
| 7 |  |  |  |  |  |  | -- |  | 8 | 8 |
| 8 |  |  |  |  |  |  | 12 |  | -- | 12 |
| 9 |  |  |  |  |  |  | 2 |  | 2 | 4 |
| 80 |  |  |  |  |  |  |  |  | -- | -- |
| $1$ |  |  |  |  |  |  |  |  | -- | -- |
| 2 |  |  |  |  |  |  |  |  | 19 | 19 |
| Total |  | 13,816 | 2,593 | 4,038 | 1,927 | 1,221 | 570 | 160 | 73 | 24,426 |

Table 60.--Age-length composition of haddock landed from
$5 Z$ (East and West combined), December 1956, in hundreds of fish

| $\begin{aligned} & \text { Length } \\ & \text { (cm.) } \end{aligned}$ | Years of age |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1 | 2 | 3 |  | 5 | 6 | 7 | 8 | $9+$ | Total |
| 35 |  | 41 | 4 |  |  |  |  |  |  | 45 |
| 6 |  | $8 \quad 131$ | 21 |  |  |  |  |  |  | 160 |
| 7 |  | 171 | 63 |  |  |  |  |  |  | 234 |
| 8 |  | 440 | -- |  |  |  |  |  |  | 440 |
| 9 |  | 832 | 20 |  |  |  |  |  |  | 852 |
| 40 |  | 1, 047 | -- |  |  |  |  |  |  | 1, 047 |
| 1 |  | 1,689 | -- |  |  |  |  |  |  | 1,689 |
| 2 |  | 1,327 | 162 |  |  |  |  |  |  | 1,489 |
| 3 |  | 1,635 | 35 | 88 |  |  |  |  |  | 1,758 |
| 4 |  | 1,278 | 79 | -- |  |  |  |  |  | 1, 357 |
| 5 |  | 1,589 | 74 | 7 | 1 |  |  |  |  | 1,671 |
| 6 |  | 1,189 | 140 | $3$ | -- |  |  |  |  | 1,332 |
| 7 |  | - 716 | 170 | 240 | 7 |  |  |  |  | 1,133 |
| 8 |  | 662 | 94 | 79 | 40 |  |  |  |  | 875 |
| 9 |  | 262 | 206 | 218 | 4 |  |  |  |  | 690 |
| 50 |  | 192 | 257 | 262 | 96 | 2 |  |  |  | 809 |
| 1 |  | 197 | 467 | 188 | 50 | -- |  |  |  | 902 |
| 2 |  | 126 | 260 | 405 | 138 | 13 |  |  |  | 942 |
| 3 |  | 28 | 139 | 334 | 137 | 60 |  |  |  | 698 |
| 4 |  |  | 78 | 485 | 155 | 37 |  |  |  | 755 |
| 5 |  |  | 184 | 332 | 224 | 57 |  |  |  | 797 |
| 6 |  |  | 15 | 400 | 173 | 79 | 33 |  |  | 700 |
| 7 |  |  | 18 | 370 | 169 | 59 | 18 |  |  | 634 |
| 8 |  |  | 24 | 232 | 147 | 89 | 24 | 12 |  | 528 |
| 9 |  |  | -- | 263 | 201 | 169 | 47 | -- |  | 680 |
| 60 |  |  | 10 | 111 | 61 | 101 | 124 | -- |  | 407 |
| 1 |  |  | -- | 103 | 130 | 76 | 19 | 19 | 9 | 356 |
| 2 |  |  | 9 | 85 | 92 | 129 | 47 | 19 | - | 381 |
| 3 |  |  |  | 53 | 98 | 105 | 71 | -- | -- | 327 |
| 4 |  |  |  | 13 | 37 | 119 | 12 | 30 | -- | 211 |
| 5 |  |  |  | 10 | 40 | 41 | 41 | 20 | -- | 152 |
| 6 |  |  |  | 16 | 16 | 47 | 23 | -- | -- | 102 |
| 7 |  |  |  |  | 10 | 32 | 63 | -- | -- | 105 |
| 8 |  |  |  |  | 22 | 32 | 21 | 5 | -- | 80 |
| 9 |  |  |  |  | -- | 27 | 53 | -- | -- | 80 |
| 70 |  |  |  |  | -- | 44 | -- | -- | -- | 44 |
| 1 |  |  |  |  | 5 | 20 | 15 | -- | - | 40 |
| 2 |  |  |  |  |  | 10 | 5 | 10 | 4 | 29 |
| 3 |  |  |  |  |  | -- | 13 | 13 | 7 | 33 |
| 4 |  |  |  |  |  | 15 | 5 | 5 | -- | 25 |
| 5 |  |  |  |  |  |  | -- | 11 | -- | 11 |
| 6 |  |  |  |  |  |  | 1 | 1 | 2 | 4 |
| 7 |  |  |  |  |  |  | -- |  | 4 | 4 |
| 8 |  |  |  |  |  |  | 4 |  | -- | 4 |
| 9 |  |  |  |  |  |  | 2 |  | 2 | 4 |
| 80 |  |  |  |  |  |  |  |  | - |  |
| 1 |  |  |  |  |  |  |  |  | -- | -- |
| 2 |  |  |  |  |  |  |  |  | -- | -- |
| 3 |  |  |  |  |  |  |  |  | -- | -- |
| 4 |  |  |  |  |  |  |  |  | -- | -- |
| 5 |  |  |  |  |  |  |  |  | - | - |
| 6 |  |  |  |  |  |  |  |  | 4 | 4 |
| Total |  | 13,552 | 2,529 | 4,297 | 2, 053 | 1,363 | 641 | 145 | 32 | 24,620 |

Table 61.--Age-length composition of haddock landed from
$5 Z$ (East and West combined), January 1957, in hundreds of fish

| Length$(\mathrm{cm} .)$ | Years of a g e |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 97 | Total |
| 35 |  | 29 | 4 |  |  |  |  |  |  | 33 |
| 6 | 4 | 26 | 3 |  |  |  |  |  |  | 33 |
| 7 |  | 64 | 26 |  |  |  |  |  |  | 90 |
| 8 |  | 98 | -- |  |  |  |  |  |  | 98 |
| 9 |  | 191 | 5 |  |  |  |  |  |  | 196 |
| 40 |  | 441 | -- |  |  |  |  |  |  | 441 |
| 1 |  | 637 | -- |  |  |  |  |  |  | 637 |
| 2 |  | 676 | 54 |  |  |  |  |  |  | 730 |
| 3 |  | 816 | -- | 30 |  |  |  |  |  | 846 |
| 4 |  | 865 | 53 | -- |  |  |  |  |  | 918 |
| 5 |  | 935 | 24 | 1 |  |  |  |  |  | 960 |
| 6 |  | 782 | 107 | 1 |  |  |  |  |  | 890 |
| 7 |  | 624 | 102 | 179 | 1 |  |  |  |  | 906 |
| 8 |  | 429 | 83 | 76 | 54 |  |  |  |  | 642 |
| 9 |  | 240 | 248 | 233 | 11 | 1 |  |  |  | 733 |
| 50 |  | 132 | 188 | 187 | 36 | 2 |  |  |  | 545 |
| 1 |  | 146 | 413 | 97 | 24 | -- |  |  |  | 680 |
| 2 |  | 70 | 147 | 281 | 113 | 7 |  |  |  | 618 |
| 3 |  | 28 | 122 | 323 | 118 | 59 |  |  |  | 650 |
| 4 |  |  | 81 | 445 | 162 | 28 |  |  |  | 716 |
| 5 |  |  | 84 | 276 | 193 | 80 |  |  |  | 633 |
| 6 |  |  | 12 | 361 | 179 | 76 | 34 |  |  | 662 |
| 7 |  |  | 12 | 249 | 191 | 44 | 12 |  |  | 508 |
| 8 |  |  | 23 | 230 | 185 | 135 | 56 | 11 |  | 640 |
| 9 |  |  | -- | 200 | 155 | 122 | 31 | -- |  | 508 |
| 60 |  |  | 8 | 93 | 52 | 85 | 118 | -- |  | 356 |
| 1 |  |  | -- | 63 | 89 | 72 | 18 | 18 | 9 | 269 |
| 2 |  |  | 7 | 62 | 51 | 75 | 34 | 14 | -- | 243 |
| 3 |  |  |  | 48 | 87 | 97 | 64 | -- | - | 296 |
| 4 |  |  |  | 15 | 46 | 145 | 15 | 37 | -- | 258 |
| 5 |  |  |  | 7 | 29 | 29 | 42 | 27 | -- | 134 |
| 6 |  |  |  | 19 | 20 | 63 | 40 | 4 | 4 | 150 |
| 7 |  |  |  |  | 5 | 15 | 51 | -- | -- | 71 |
| 8 |  |  |  |  | 29 | 43 | 45 | 23 | -- | 140 |
| 9 |  |  |  |  | -- | 14 | 33 | 5 | -- | 52 |
| 70 |  |  |  |  | -- | 34 | 3 | 3 | 3 | 43 |
| 1 |  |  |  |  | 5 | 21 | 17 | -- | 10 | 53 |
| 2 |  |  |  |  |  | 14 | 9 | 16 | 8 | 47 |
| 3 |  |  |  |  |  | -- | 5 | 5 | 3 | 13 |
| 4 |  |  |  |  |  | 15 | 7 | 10 | 4 | 36 |
| 5 |  |  |  |  |  |  | -- | 2 | 3 | 5 |
| 6 |  |  |  |  |  |  | -- | 1 | 4 | 5 |
| 7 |  |  |  |  |  |  | -- |  | 8 | 8 |
| 8 |  |  |  |  |  |  | 9 |  | -- | 9 |
| 9 |  |  |  |  |  |  | 4 |  | 4 | 8 |
| 80 |  |  |  |  |  |  |  |  | 8 | 8 |
| Total | 4 | 7,229 | 1,806 | 3,476 | 1,835 | 1,276 | 647 | 176 | 68 | 16,517 |


| Length (cm.) | Y ears of a ge |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | $9+$ | Total |
| 32 |  | 16 |  |  |  |  |  |  |  | 16 |
| 3 |  | 126 | 3 |  |  |  |  |  |  | 129 |
| 4 | 61 | 186 | - |  |  |  |  |  |  | 247 |
| 5 | 5 | 859 | 21 |  |  |  |  |  |  | 885 |
| 6 | 41 | 2,128 | 40 |  |  |  |  |  |  | 2,209 |
| 7 |  | 3,373 | 653 |  |  |  |  |  |  | 4,026 |
| 8 |  | 6, 493 | 391 |  |  |  |  |  |  | 6, 884 |
| 9 |  | 10,377 | 1,299 | 211 | 53 |  |  |  |  | 11,940 |
| 40 |  | 14,087 | 2,098 | 409 | -- |  |  |  |  | 16,594 |
| 1 |  | 17, 228 | 2,295 | 1,258 | -- |  |  |  |  | 20,781 |
| 2 |  | 16,507 | 2,307 | 1,972 | -- |  |  |  |  | 20,786 |
| 3 |  | 16,565 | 4,152 | 2,808 | 427 |  |  |  |  | 23,952 |
| 4 |  | 14,249 | 6,172 | 3,345 | 524 |  |  |  |  | 24,290 |
| 5 |  | 12,578 | 4,944 | 4,428 | 285 | 162 |  |  |  | 22,397 |
| 6 |  | 9,781 | 7,087 | 4,985 | 395 | 256 |  |  |  | 22,504 |
| 7 |  | 6, 865 | 5,125 | 8,366 | 738 | 4 |  |  |  | 21,098 |
| 8 |  | 5,315 | 6,220 | 7,202 | 1,302 | 87 | 175 |  |  | 20,301 |
| 9 |  | 1,826 | 4,879 | 10,563 | 671 | 244 | -- |  |  | 18,183 |
| 50 |  | 910 | 3,498 | 10,799 | 1,945 | 186 | 61 |  |  | 17,399 |
| 1 |  | 789 | 4,281 | 8,945 | 1,968 | 771 | 125 |  |  | 16,879 |
| 2 |  | 563 | 1, 768 | 9,198 | 1,991 | 982 | 445 |  |  | 14,947 |
| 3 |  | 77 | 1,409 | 7,808 | 2, 419 | 1,106 | 296 | 59 |  | 13,174 |
| 4 |  | -- | 681 | 7,984 | 1,864 | 1, 671 | 314 | -- |  | 12,514 |
| 5 |  | 135 | 785 | 5,501 | 2,509 | 2, 202 | 236 | -- |  | 11,368 |
| 6 |  | 64 | 251 | 5,216 | 2,158 | 2, 065 | 395 | -- |  | 10, 149 |
| 7 |  |  | 128 | 3, 425 | 2, 097 | 2,213 | 199 | 45 |  | 8,107 |
| 8 |  |  | 160 | 2,458 | 1,855 | 2,431 | 465 | 33 |  | 7,402 |
| 9 |  |  | 111 | 2,235 | 1,078 | 1,999 | 1,146 | 188 |  | 6,757 |
| 60 |  |  | 28 | 953 | 881 | 1,702 | 1,048 | 84 |  | 4,696 |
| 1 |  |  | 47 | 633 | 884 | 1,431 | 879 | 419 | 67 | 4,360 |
| 2 |  |  | 23 | 457 | 759 | 1,277 | 781 | 417 | 49 | 3,763 |
| 3 |  |  | -- | 238 | 351 | 1,675 | 640 | 423 | 18 | 3,345 |
| 4 |  |  | -- | 75 | 522 | 1,431 | 422 | 235 | 3 | 2,688 |
| 5 |  |  | -- | 28 | 312 | 838 | 394 | 536 | 128 | 2,236 |
| 6 |  |  | -- | 95 | 186 | 585 | 392 | 591 | 67 | 1,916 |
| 7 |  |  | -- | 4 | 73 | 806 | 485 | 215 | 61 | 1,644 |
| 8 |  |  | 48 | 2 | 87 | 613 | 360 | 182 | 168 | 1,460 |
| 9 |  |  |  | -- | -- | 195 | 354 | 315 | 87 | ${ }^{951}$ |
| 70 |  |  |  | -- | -- | 272 | 224 | 234 | 237 | 967 |
| 1 |  |  |  | -- | 16 | 143 | 239 | 68 | 189 | 655 |
| 2 |  |  |  | 17 | -- | 70 | 219 | 210 | 29 | 545 |
| 3 |  |  |  |  | -- | 17 | 80 | 109 | 72 | 278 |
| 4 |  |  |  |  | -- | 45 | 25 | 60 | 114 | 244 |
| 5 |  |  |  |  | -- | -- | 23 | 43 | 19 | 85 |
| 6 |  |  |  |  | 8 | 2 | 18 | 10 | 54 | 92 |
| 7 |  |  |  |  |  |  | 12 | 8 | 57 | 77 |
| 8 |  |  |  |  |  |  | 34 |  | 49 | 83 |
| 9 |  |  |  |  |  |  | 12 |  | 35 | 47 |
| 80 |  |  |  |  |  |  |  |  | 23 | 23 |
| 1 |  |  |  |  |  |  |  |  | 8 | 8 |
| 2 |  |  |  |  |  |  |  |  | 25 | 25 |
| 3 |  |  |  |  |  |  |  |  | -- | -- |
| 4 |  |  |  |  |  |  |  |  | 6 | 6 |
| 5 |  |  |  |  |  |  |  |  | -- | - |
| 6 |  |  |  |  |  |  |  |  | 4 | 4 |

Total $107141,097 \quad 60,904111,61828,358 \quad 27,481 \quad 10,498 \quad 4,484 \quad 1,560 \quad 386,116$

Table 63. --Age-length composition of haddock landed from 5 Y North, Spring 1956, in hundreds of fish

| Length ( 3 cm . groups) |  |  | $Y \mathrm{e}$ a | r s | - f | a g e |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | 5 | 6 | 7 | 8 | $9+$ | Total |
| 33 | 42 |  |  |  |  |  |  | 42 |
| 6 | 443 |  |  |  |  |  |  | 443 |
| 9 | 634 | 211 |  |  |  |  |  | 845 |
| 42 | 734 | 661 |  |  |  |  |  | 1,395 |
| 5 | 558 | 766 | 70 |  |  |  |  | 1,394 |
| 8 | 156 | 1,147 | 140 |  |  |  |  | 1,443 |
| 51 | 134 | 1,347 | 148 | 150 | 29 |  |  | 1,808 |
| 4 | 41 | 478 | 271 | 182 | 80 | 20 |  | 1,072 |
| 7 |  | 227 | 250 | 457 | 114 | -- |  | 1,048 |
| 60 |  | 72 | 97 | 363 | 97 | 48 |  | 677 |
| 3 |  |  | 50 | 276 | 100 | -- | 25 | 451 |
| 6 |  |  | 60 | 76 | 75 | 15 | 15 | 241 |
| 9 |  |  | 12 | 24 | 36 |  | 24 | 96 |
| Total | 2,742 | 4,909 | 1,098 | 1,528 | 531 | 83 | 64 | 10,955 |

Table 64. --Age-length composition of haddock landed from 5 Y North, Summer 1956, in hundreds of fist


Table 65. --Age-length composition of haddock landed from 5 Y North, Fall 1956, in hundreds of fish


Table 66. - Age-length composition of haddock landed from 5Y North, Winter 1956, in hundreds of fish


Table 67.--Age-length composition of haddock landed from 5Y North, 1956 Haddock Year, in hundreds of fish


Table 68. - Age-length composition of haddock landed from $5 Y$ South, Spring 1956, in hundreds of fish

| Length <br> (3 cm <br> groups) |  |  |  |  |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |

Table 69.--Age-length composition of haddock landed from 5Y South, Summer 1956, in hundreds of fish

| Length ( 3 cm . groups) |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 3 | 4 | 5 | 6 | 7 | 8 | Total |
| 39 | 6 | 12 |  |  |  |  | 18 |
| 42 | 52 | 60 |  |  |  |  | 112 |
| 5 | 31 | 428 |  |  |  |  | 459 |
| 8 | -- | 410 |  |  |  |  | 410 |
| 51 | -- | -- | 123 | 254 | 62 |  | 439 |
| 4 | 40 | 81 | 162 | 83 | 42 |  | 408 |
| 7 |  | 217 | 48 | 121 | 48 |  | 434 |
| 60 |  | 26 | 51 | 116 | 31 | 13 | 237 |
| 3 |  |  | 20 | 102 | 142 | -- | 264 |
| 6 |  |  | 28 | 70 | 83 | -- | 181 |
| 9 |  |  | 55 | -- | 28 | -- | 83 |
| 72 |  |  |  | 38 | -- | -- | 38 |
| 5 |  |  |  |  | 2 | 2 | 4 |
| Total | 129 | 1,234 | 487 | 784 | 438 | 15 | 3,087 |

Table 70.-Age-length composition of hadock landed from 5Y South, Fall 1956, in hundreds of fish

| Length ( 3 cm . groups) | $\underline{Y}$ e ars or $\underbrace{\text { a g e }}$ |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2 | 3 | 4 | 5 | 6 | 7 | 8 | $9+$ | Total |
| 36 |  | 16 |  |  |  |  |  |  | 16 |
| 9 | 5 | 58 |  |  |  |  |  |  | 63 |
| 42 | 57 | 134 | 114 | 38 |  |  |  |  | 343 |
| 5 | -- | 241 | 723 | 80 |  |  |  |  | 1, 044 |
| 8 | -- | 374 | 830 | 259 | 106 |  |  |  | 1,569 |
| 51 | 12 | 2.3 | 576 | 471 | 47 |  |  |  | 1,129 |
| 4 |  | 118 | 302 | 192 | 74 | 74 |  | 15 | 775 |
| 7 |  | 56 | 225 | 323 | 140 | 28 |  | 14 | 786 |
| 60 |  |  | 134 | 253 | 134 | 90 | 29 | -- | 640 |
| 3 |  |  | 31 | 104 | 189 | 104 | 10 | 10 | 448 |
| 6 |  |  |  | 111 | 78 | 78 | -- | 63 | 330 |
| 9 |  |  |  | 13 | 13 | 33 | 20 | 7 | 86 |
| 72 |  |  |  |  |  | 59 |  |  | 59 |
| 5 |  |  |  |  |  | 14 |  |  | 14 |
| 8 |  |  |  |  |  | 7 |  |  | 7 |
| Total | 74 | 1,020 | 2,935 | 1,844 | 781 | 487 | 59 | 109 | 7,309 |

Table 71 . - Age-length composition of haddock landed from 5Y South, Winter 1956, in hundreds of fish


Table 72.--Age-length composition of haddock landed from 5 Y South, 1956 Haddock Yuar, in hundreds of fish

| Length ( 3 cm . groups) | 23 |  |  | a r s | O f | a g e | 8 | $9+$ | Total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | 4 | 5 | 6 | 7 |  |  |  |
| 30 |  | 7 |  |  |  |  |  |  | 7 |
| 3 |  | -- |  |  |  |  |  |  | -- |
| 6 |  | 58 |  |  |  |  |  |  | 58 |
| 9 | 14 | 353 | 94 |  |  |  |  |  | 461 |
| 42 | 170 | 589 | 865 | 81 |  |  |  |  | 1,705 |
| 5 | 94 | 887 | 3,152 | 228 | 3 | 1 | 1 |  | 4,366 |
| 8 | 21 | 1,093 | 4, 613 | 522 | 251 | 30 | -- |  | 6,530 |
| 51 | 12 | 344 | 2,540 | 1,239 | 778 | 247 | 34 |  | 5,194 |
| 4 |  | 178 | 1,412 | 799 | 751 | 240 | -- | 15 | 3,395 |
| 7 |  | 63 | 951 | 742 | 830 | 281 | 38 | 14 | 2,919 |
| 60 |  |  | 310 | 562 | 790 | 341 | 109 | - | 2,112 |
| 3 |  |  | 42 | 263 | 653 | 404 | 80 | 10 | 1,452 |
| 6 |  |  |  | 229 | 281 | 244 | 25 | 63 | 842 |
| 9 |  |  |  | 87 | 65 | 149 | 38 | 42 | 381 |
| 72 |  |  |  |  | 67 | 89 | 2 | 1 | 159 |
| 5 |  |  |  |  |  | 18 | 2 | 19 | 39 |
| 8 |  |  |  |  |  | 7 |  | 4 | 11 |
| 81 |  |  |  |  |  |  |  | 4 | 4 |
| Total | 311 | 3,572 | 13,979 | 4,752 | 4,469 | 2,051 | 329 | 172 | 29,635 |

Table 73.--Age-length composition of haddock landed from 5 Y (North and South combined) Spring 1956 , in hundreds of fish

| $\begin{aligned} & \text { Length } \\ & (3-\mathrm{cm} . \text { groups }) \end{aligned}$ | Years of age |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\leqslant$ | $\checkmark$ | 1 | 5 | 6 | 7 | 8 | It | Total |
| 30 | T |  |  |  |  |  |  |  | 7 |
| 33 |  | 42 |  |  |  |  |  |  | 42 |
| 36 |  | 485 |  |  |  |  |  |  | 485 |
| 39 |  | 923 | 293 |  |  |  |  |  | 1,216 |
| 42 |  | 1,118 | 1,352 | 43 |  |  |  |  | 2,513 |
| 45 |  | 961 | 2, 744 | 218 | 3 | 1 | 1 |  | 3,928 |
| 48 |  | 468 | 4,274 | 360 | 145 | 30 | -- |  | 5,277 |
| 51 |  | 209 | 2,872 | 782 | 627 | 214 | 34 |  | 4,738 |
| 54 |  | 61 | 1,284 | 643 | 721 | 204 | 20 |  | 2,933 |
| 57 |  | 7 | 618 | 567 | 961 | 319 | 38 |  | 2,510 |
| 60 |  |  | 181 | 283 | 872 | 317 | 115 |  | 1,768 |
| 63 |  |  |  | 155 | 592 | 258 | 70 | 25 | 1, 100 |
| 66 |  |  |  | 135 | 187 | 150 | 40 | 15 | 527 |
| 69 |  |  |  | 12 | 76 | 106 | 18 | 59 | 271 |
| 72 |  |  |  |  | 29 | 28 |  | -- | 57 |
| 75 |  |  |  |  |  |  |  | 19 | 19 |
| 78 |  |  |  |  |  |  |  | 4 | 4 |
| 81 |  |  |  |  |  |  |  | 4 | 4 |
| Total | 7 | 4,274 | 13,618 | 3,198 | 4,213 | 1,627 | 336 | 126 | 27,399 |

Table 74.--Age-length composition of haddock landed from 5 Y (North and South combined) Summer 1956, in hundreds of fish

| Length | Years of age |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| (3-cm. groups) | 2 | 3 | 4 | 5 | 6 | 7 | 8 | $9+$ | Total |
| 27 |  |  |  |  |  |  |  |  |  |
| 30 |  |  |  |  |  |  |  |  |  |
| 33 |  |  |  |  |  |  |  |  |  |
| 36 | 6 | 6 |  |  |  |  |  |  | 12 |
| 39 | 26 | 65 | 12 |  |  |  |  |  | 103 |
| 42 |  | 279 | 119 |  |  |  |  |  | 398 |
| 45 |  | 267 | 837 | 7 |  |  |  |  | 1,111 |
| 48 |  | 92 | 951 | 85 |  |  |  |  | 1,128 |
| 51 |  | 43 | 435 | 268 | 290 | 62 |  |  | 1,098 |
| 54 |  | 60 | 302 | 305 | 157 | 104 |  |  | 928 |
| 57 |  | 7 | 341 | 201 | 248 | 62 |  | 7 | 866 |
| 60 |  | 6 | 38 | 125 | 242 | 100 | 53 | -- | 564 |
| 63 |  |  |  | 72 | 167 | 215 | 26 | -- | 480 |
| 66 |  |  |  | 38 | 105 | 138 | 15 | 15 | 311 |
| 69 |  |  |  | 60 | 24 | 56 | 10 | 10 | 160 |
| 72 |  |  |  |  | 49 | 16 | 7 | 7 | 79 |
| 75 |  |  |  |  |  | 2 | 2 | 21 | 25 |
| 78 |  |  |  |  |  |  | 1 | 1 | 2 |
| 81 |  |  |  |  |  |  |  |  |  |
| Total | 32 | 825 | 3,035 | 1,161 | 1,282 | 755 | 114 | 61 | 7,265 |

Table 75.--Age-length composition of haddock landed from 5 Y (North and South combined) Fall 1956, in hundreds of fish

| Length | Years of age |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| (3-cm. groups) | 2 | 3 | 4 | 5 | 6 | 7 | 8 | $9+$ | Total |
| 33 |  |  |  |  |  |  |  |  |  |
| 36 | 16 | 16 |  |  |  |  |  |  | 32 |
| 39 | 55 | 86 |  |  |  |  |  |  | 141 |
| 42 | 83 | 230 | 114 | 38 |  |  |  |  | 465 |
| 45 | 4 | 314 | 774 | 82 | 1 |  |  |  | 1,175 |
| 48 | 2 | 427 | 990 | 272 | 106 |  |  |  | 1, 797 |
| 51 | 12 | 82 | 766 | 527 | 47 |  |  |  | 1, 434 |
| 54 |  | 138 | 463 | 254 | 97 | 77 |  | 15 | 1, 044 |
| 57 |  | 63 | 287 | 377 | 191 | 42 | 3 | 14 | 977 |
| 60 |  | 5 | 181 | 294 | 183 | 95 | 32 | 3 | 793 |
| 63 |  |  | 36 | 138 | 243 | 118 | 15 | 10 | 560 |
| 66 |  |  | 1 | 121 | 108 | 100 | 4 | 67 | 401 |
| 69 |  |  |  | 18 | 24 | 48 | 25 | 12 | 127 |
| 72 |  |  |  | 3 | 4 | 62 | 2 | 4 | 75 |
| 75 |  |  |  |  | 1 | 19 | 1 | 4 | 25 |
| 78 |  |  |  |  |  | 7 |  | 1 | 8 |
| 81 |  |  |  |  |  |  |  |  |  |
| Total | 172 | 1,361 | 3,612 | 2,124 | 1,005 | 568 | 82 | 130 | 9, 054 |

Table 76.--Age-length composition of haddock landed from 5 Y (North and South combined) Winter 1956 , in hundreds of fish

| Length$\text { ( } 3-\mathrm{cm} . \text { groups) }$ | Yearsof age |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2 | 3 | 4 | 5 | 6 | 7 | 8 | $9+$ | Total |
| 36 | 5 | 4 |  |  |  |  |  |  | 9 |
| 39 | 39 | -- |  |  |  |  |  |  | 39 |
| 42 | 173 | 26 |  |  |  |  |  |  | 199 |
| 45 | 94 | 354 | 37 |  |  |  |  |  | 485 |
| 48 | 21 | 526 | 331 | 54 |  |  |  |  | 932 |
| 51 |  | 326 | 598 | 11 |  |  |  |  | 935 |
| 54 |  | 44 | 395 | 94 | 55 |  |  |  | 588 |
| 57 |  | 21 | 222 | 97 | 65 | 7 |  |  | 412 |
| 60 |  |  | 73 | 121 | 47 | -- | 16 |  | 257 |
| 63 |  |  | 11 | 76 | 67 | 21 | -- |  | 175 |
| 66 |  |  |  | 42 | 43 | 29 | -- |  | 114 |
| 69 |  |  |  | 25 | 16 | 18 | -- |  | 59 |
| 72 |  |  |  |  | 11 | 2 | 8 | 1 | 22 |
| 75 |  |  |  |  | 7 | 2 |  |  | 9 |
| 78 |  |  |  |  |  |  |  |  |  |
| 81 |  |  |  |  |  |  |  |  |  |
| Total | 332 | 1,301 | 1,667 | 520 | 311 | 79 | 24 | 1 | 4,235 |

Table 77.--Age-length composition of haddock landed from 5 Y (North and Scuth combined) 1956 Haddock Year, in hundreds of fish

| $\begin{aligned} & \text { Length } \\ & (3-\mathrm{cm} . \text { groups }) \\ & \hline \end{aligned}$ | Years of age |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2 | 3 | 4 | 5 | 6 | 7 | 8 | $9+$ | Total |
| 30 | 7 |  |  |  |  |  |  |  | 7 |
| 33 | -- | 42 |  |  |  |  |  |  | 42 |
| 36 | 27 | 511 |  |  |  |  |  |  | 538 |
| 39 | 120 | 1,074 | 305 |  |  |  |  |  | 1,499 |
| 42 | 256 | 1,653 | 1,585 | 81 |  |  |  |  | 3, 575 |
| 45 | 98 | 1,896 | 4,392 | 307 | 4 | 1 | 1 |  | 6,699 |
| 48 | 23 | 1,513 | 6,546 | 771 | 251 | 30 | -- |  | 9,134 |
| 51 | 12 | 660 | 4, 671 | 1,588 | 964 | 276 | 34 |  | 8,205 |
| 54 |  | 303 | 2, 444 | 1,296 | 1,030 | 385 | 20 | 15 | 5,493 |
| 57 |  | 98 | 1,468 | 1, 242 | 1,465 | 430 | 41 | 21 | 4, 765 |
| 60 |  | 11 | 473 | 823 | 1,344 | 512 | 216 | 3 | 3, 382 |
| 63 |  |  | 47 | 441 | 1,069 | 612 | 111 | 35 | 2,315 |
| 66 |  |  | 1 | 336 | 443 | 417 | 59 | 97 | 1, 353 |
| 69 |  |  |  | 115 | 140 | 228 | 53 | 81 | 617 |
| 72 |  |  |  | 3 | 93 | 108 | 17 | 12 | 233 |
| 75 |  |  |  |  | 8 | 23 | 3 | 44 | 78 |
| 78 |  |  |  |  |  | 7 | 1 | 6 | 14 |
| 81 |  |  |  |  |  |  |  | 4 | 4 |
| Total | 543 | 7,761 | 21,932 | 7,003 | 6,811 | 3,029 | 556 | 318 | 47, 953 |

Table 78. --Haddock abundance (catch-per-day, $100^{\prime} \mathrm{s}$ of pounds), fishing effort (standard trawler days fished) and catch (100's of pounds landed) for 5Z, 1956 Haddock Year (see text for explanation)

| Seasons and $m$ onths | $\begin{aligned} & \text { Catch } \\ & \text { per day } \end{aligned}$ | 5Z East | Days <br> fished | Catch per day | 5 Z West | Days fished | $\begin{aligned} & \text { Catch } \\ & \text { per day } \end{aligned}$ | 52 Total | Days fished |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | Catch |  |  | Catch |  |
| SPRING |  |  |  |  |  |  |  |  |  |
| Feb | 178 | 58,642 | 329 | 65 | 24, 749 | 381 | 117 | 83, 391 | 710 |
| Mar | 171 | 50, 821 | 297 | 124 | 23,851 | 192 | 153 | 74,672 | 489 |
| Apr | 140 | 7,777 | 56 | 134 | 24,625 | 184 | 135 | 32,402 | 240 |
| Total | 172 | 117,240 | 682 | 124 | 73,225 | 591 | 150 | 190,465 | 1273 |
| SUMMER |  |  |  |  |  |  |  |  |  |
| May | 141 | 31,760 | 225 | 133 | 67,927 | 511 | 135 | 99,687 | 736 |
| June | 111 | 28,745 | 259 | 138 | 81,857 | 593 | 130 | 110,602 | 852 |
| July | 106 | 42,292 | 399 | 92 | 39,068 | 425 | 99 | 81,360 | 824 |
| Total | 117 | 102,797 | 879 | 127 | 188,852 | 1486 | 123 | 291,649 | 2365 |
| FALL |  |  |  |  |  |  |  |  |  |
| Aug | 112 | 45,706 | 408 | 145 | 53,417 | 368 | 128 | 99,123 | 776 |
| Sept | 128 | 22,583 | 176 | 166 | 83, 640 | 504 | 156 | 106,223 | 680 |
| Oct | 139 | 36,079 | 260 | 143 | 46,391 | 324 | 141 | 82, 470 | 584 |
| Total | 126 | 104,368 | 828 | 152 | 183,448 | 1207 | 141 | 287,816 | 2035 |
| WINTER |  |  |  |  |  |  |  |  |  |
| Nov | 156 | 17,135 | 110 | 240 | 45,630 | 190 | 209 | 62, 765 | 300 |
| Dec | 174 | 14,897 | 86 | 64 | 49,843 | 779 | 75 | 64,740 | 865 |
| Jan | 63 | 12,301 | 195 | 174 | 35,311 | 203 | 120 | 47, 612 | 398 |
| Total | 120 | 44,333 | 369 | 174 | 130,784 | 752 | 156 | 175,117 | 1121 |
| YEAR | 134 | 368,738 | 2758 | 144 | 576,309 | 4036 | 139 | 945,047 | 6794 |




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