NEW ENGLAND HADDOCK FISHERY BIOSTATISTICS--1956



United States Department of the Interior, Stewart L. Udall, Secretary Fish and Wildlife Service,
Bureau of Commercial Fisheries, Donald L. McKernan, Director

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by

John R. Clark and Frank A. Dreyer



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CONTENTS

		Page
	ductionng methods	1 3
	eatch	3
Ι	Discarded portion	4
I	Landed portion	4
	th composition of catch	5
	Discarded portion	6
Ţ	Landed portion	6 6
	composition of catch	7
	Discarded portionLanded portion	7
	dance and effort	7
	ature cited	7
	ndix: Tables	9
	APPENDIX: TABLES	
1		
	Haddock discarded at sea, Subarea 5, 1956 haddock year, in hundreds of pounds	9
2a.	Landings by statistical area-units, 1956 haddock year, Subdivision 5Y, hundreds of pounds, gutted weight	10
2b.	Landings by statistical area-units, 1956 haddock year, Subdivision	11
3.	5Z, hundreds of pounds, gutted weight	
	1956 haddock year, in hundreds of fish	12
4.	Summary of samples of landed haddock, 1956 haddock year	13
5.	Length composition of scrod and large haddock landed from 5Z East and West, February 1956, in hundreds of fish	14
6.	Length composition of scrod and large haddock landed from 5Z East	15
7.	and West, March 1956, in hundreds of fish	15
•	and West, April 1956, in hundreds of fish	16
8.	Length composition of scrod and large haddock landed from 5Z East	
	and West, May 1956, in hundreds of fish	17
9.	Length composition of scrod and large haddock landed from 5Z East	
	and West, June 1956, in hundreds of fish	18
10.	Length composition of scrod and large haddock landed from 5Z East	1.0
11.	and West, July 1956, in hundreds of fish	19
11.	and West, August 1956, in hundreds of fish	20
12.	Length composition of scrod and large haddock landed from 5Z East	20
	and West, September 1956, in hundreds of fish	21
13.	Length composition of scrod and large haddock landed from 5Z East	
	and West, October 1956, in hundreds of fish	22
14.	Length composition of scrod and large haddock landed from 5Z East	
1.5	and West, November 1956, in hundreds of fish	23
15.	Length composition of scrod and large haddock landed from 5Z East	2.4
16.	and West, December 1956, in hundreds of fish	24
10.	and West, January 1957, in hundreds of fish	25
17.	Length composition of scrod and large haddock landed from 5Z East	
	and West, 1956 haddock year, in hundreds of fish	26
18.	Length composition of scrod and large haddock landed from 5Y North	
	and South, spring 1956, in hundreds of fish	2.7

APPENDIX: TABLES (Continued)

		Page
19.	Length composition of scrod and large haddock landed from 5Y North	20
20.	and South, summer 1956, in hundreds of fish	28
21.	and South, fall 1956, in hundreds of fish	29
22.	and South, winter 1956, in hundreds of fish	30
23.	and South, 1956 haddock year, in hundreds of fish	31
24.	dock year, in hundreds of fish	32
25.	1956, in hundreds of fish	33
26.	in hundreds of fish	34
27.	in hundreds of fish	35
28.	in hundreds of fish	36
29.	in hundreds of fish	37
30.	in hundreds of fish	38
31.	in hundreds of fish	39
32.	1956, in hundreds of fish	40
33.	1956, in hundreds of fish	41
34.	1956, in hundreds of fish	42
35.	1956, in hundreds of fish	43
36.	1957, in hundreds of fish	44
37.	dock year, in hundreds of fish	45
38.	1956, in hundreds of fish	46
39.	in hundreds of fish	47
40.	in hundreds of fish	48
41.	in hundreds of fish	49
42.	in hundreds of fish	50
43.	in hundreds of fish	51
44.	in hundreds of fish	52
45.	1956, in hundreds of fish	53
	1956, in hundreds of fish	54

APPENDIX: TABLES (Continued)

		Page
46.	Age-length composition of haddock landed from 5Z West, November 1956, in hundreds of fish	55
47.	Age-length composition of haddock landed from 5Z West, December	
48.	1956, in hundreds of fish	56
49.	Age-length composition of haddock landed from 5Z West, 1956 had-	57
50.	dock year, in hundreds of fish	58
51.	combined), February 1956, in hundreds of fish	59
52.	combined), March 1956, in hundreds of fish	60
53.	combined), April 1956, in hundreds of fish	61
54.	combined), May 1956, in hundreds of fish	62
55.	combined), June 1956, in hundreds of fish	63
56.	combined), July 1956, in hundreds of fish	64
57.	combined), August 1956, in hundreds of fish	65
58.	combined), September 1956, in hundreds of fish	66
59.	combined), October 1956, in hundreds of fish	67
60.	combined), November 1956, in hundreds of fish	68
61.	Age-length composition of haddock landed from 5Z (East and West	69
62.	combined), January 1957, in hundreds of fish	70
63.	combined), 1956 haddock year, in hundreds of fish	71 72
64.	in hundreds of fish	73
65.	1956, in hundreds of fish	74
66.	in hundreds of fish	75
67.	Age-length composition of haddock landed from 5Y North, 1956 haddock year, in hundreds of fish	76
68.	Age-length composition of haddock landed from 5Y South, spring 1956, in hundreds of fish	77
69.	Age-length composition of haddock landed from 5Y South, summer 1956, in hundreds of fish	78
70.	Age-length composition of haddock landed from 5Y South, fall 1956, in hundreds of fish	79
71.	Age-length composition of haddock landed from 5Y South, winter 1956, in hundreds of fish	80
72.	Age-length composition of haddock landed from 5Y South, 1956 haddock year, in hundreds of fish	81

APPENDIX: TABLES (Continued)

		Page
73.	Age-length composition of haddock landed from 5Y (North and South	
	combined), spring 1956, in hundreds of fish	82
74.	Age-length composition of haddock landed from 5Y (North and South	
	combined), summer 1956, in hundreds of fish	83
75.	Age-length composition of haddock landed from 5Y (North and South	
	combined), fall 1956, in hundreds of fish	84
76.	Age-length composition of haddock landed from 5Y (North and South	
	combined), winter 1956, in hundreds of fish	85
77.	Age-length composition of haddock landed from 5Y (North and South	
	combined), 1956 haddock year, in hundreds of fish	86
78.	Haddock abundance (catch-per-day, 100'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)	87

NEW ENGLAND HADDOCK FISHERY BIOSTATISTICS--1956

by

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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 5Z) 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 aegle-finus) 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 5Y and 5Z) as defined by the International Commission for the Northwest Atlantic Fisheries (ICNAF) sta-

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

Extensive studies of the New England haddock fishery and of the biology and habits of the species have been carried 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

¹Presently employed at Marine Game Fish Research Center, Atlantic Marine Laboratory, U.S. Fish and Wildlife Service, Highlands, New Jersey.

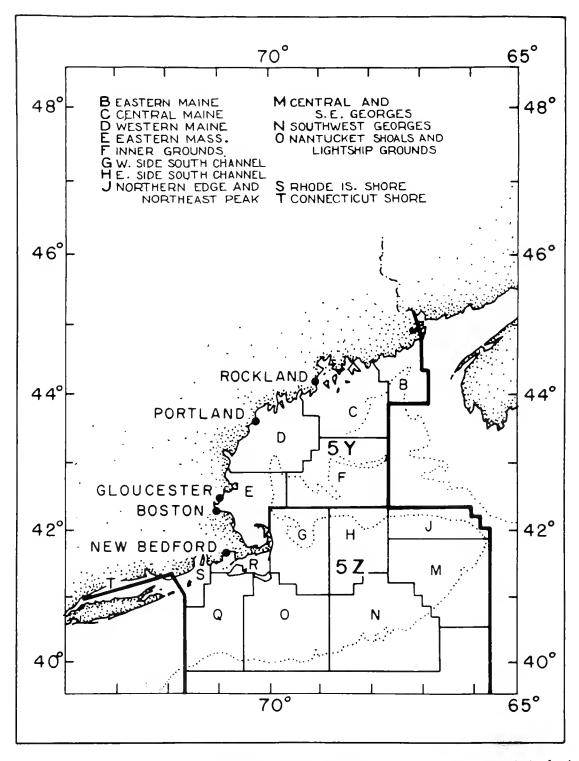


Figure 1.--Statistical Subdivisions of New England fishing grounds as defined by the International Commission for the Northwest Atlantic Fisheries.

shared by the two countries through a cooperative program sponsored by ICNAF. At present, the principal responsibility for the biostatistical program for ICNAF Subdivisions 4X, 5Y, and 5Z is carried by the Bureau of Commercial Fisheries, Biological Laboratory at Woods Hole. Responsibility for Subdivisions 4R to 4W 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 5Y and 5Z 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 1 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 5Y has been divided into northern and southern sections, and 5Z 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 5Y and 5Z 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 1-day trips. They do not venture far from their home ports and, consequently, fish only in the western parts of Subdivisions 5Y and 5Z.

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 vary considerably, 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 mesh regulation 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 million small fish were discarded annually on Georges Bank alone during the early 1930'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 recorded it 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 5Y 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 haddock for human consumption.

Total landings of haddock are listed in tables 2a and 2b 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 5Z and North and South sections for 5Y 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, 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

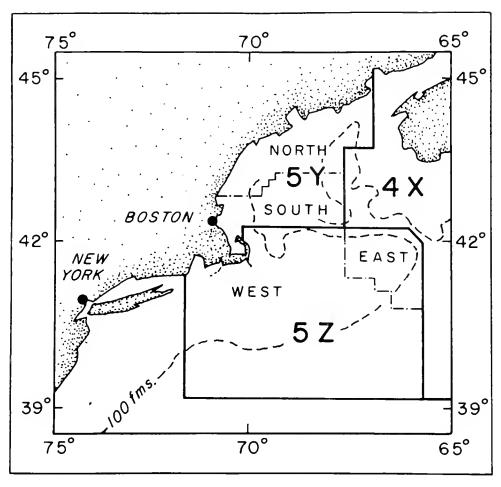


Figure 2,--Statistical area-units of ICNAF Subarea 5 as defined by Rounsefell, 1948.

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	Landings
area-units	(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 Boston 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 5Y North and South and 5Z East and West. A summary of samples of landed haddock is given in table 4.

Length compositions for 5Z are given in tables 5 to 17 for East and West sections by months and in summary 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 5Y 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 5Z 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 5Z 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 5Z East and West are given in table 23. The figures represent total reported discard of haddock from Subarea 5, since none were reported from 5Y.

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 and in summary for both sections.

Age compositions for 5Y 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-cm. groups for economy of space since, as previously mentioned, the 5Y material does not require such detailed presentation as that for 5Z.

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 5Z. 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 5Y 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 5Z 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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MS #1030

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

	Subdivision 1/						
Month	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				

 $[\]underline{1}/$ No discard was reported for Subdivision 5Y.

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

Category Feb. Mar. April Total May June July Total Eastern Maine (B) Scrod 8 10 18 340 999 646 1,98 Large 7 1 10 18 234 891 486 1,61 Total 7 9 20 36 574 1,890 1,132 3,58 Central Maine (C) Scrod 117 728 64 909 90 219 93 46 Large 78 1,740 26 1,844 102 212 146 46 Total 195 2,468 90 2,753 192 431 239 86 Western Maine (D) Scrod 4,169 5,715 8,212 18,096 1,774 285 573 2,60 Large 6,977 6,764 9,223 22,964 3,139 638 981 4,73 To	Area-unit and								
Eastern Maine (B) Scrod 8 10 18 340 999 646 1, 98 Large 7 1 10 18 234 891 486 1, 61 Total 7 9 20 36 574 1, 890 1, 132 3, 58 Central Maine (C) Scrod 117 728 64 909 90 219 93 40 Large 78 1, 740 26 1, 844 102 212 146 46 Total 195 2, 468 90 2, 753 192 431 239 86 Western Maine (D) Scrod 4, 169 5, 715 8, 212 18, 096 1, 774 285 573 2, 63 Large 6, 977 6, 764 9, 223 22, 964 3, 139 638 981 4, 77 Total 11, 146 12, 479 17, 435 41, 060 4, 913 923 1, 554 7, 38 Eastern Mass. (E) Scrod 664 6, 635 1, 486 8, 785 576 245 688 1, 50 Large 2, 102 8, 514 1, 938 12, 554 725 1, 376 1, 228 3, 32 Total 2, 766 15, 149 3, 424 21, 339 1, 301 1, 621 1, 916 4, 83 Inner Grounds (F) Scrod 931 1, 083 951 2, 965 99 610 628 1, 33 Large 1, 233 976 772 2, 981 100 1, 600 1, 836 3, 53 Total 2, 164 2, 059 1, 723 5, 946 199 2, 210 2, 464 4, 83 Summaries: 5Y, No, -No, Gulf of Me. (B, C, D) Scrod 4, 286 6, 451 8, 286 19, 023 2, 204 1, 503 1, 312 5, 03 Large 7, 062 8, 505 9, 259 24, 826 3, 475 1, 741 1, 613 6, 83 Total 11, 348 14, 956 17, 545 43, 849 5, 679 3, 244 2, 925 11, 85 Sy, So, -So, Gulf of Me. (E, F) Scrod 1, 595 7, 718 2, 437 11, 750 675 855 1, 316 2, 85	market size								
Scrod 8 10 18 340 999 646 1,98 Large 7 1 10 18 234 891 486 1,61 Total 7 9 20 36 574 1,890 1,132 3,58 Central Maine (C) Scrod 117 728 64 909 90 219 93 46 Large 78 1,740 26 1,844 102 212 146 46 Total 195 2,468 90 2,753 192 431 239 86 Western Maine (D) Scrod 4,169 5,715 8,212 18,096 1,774 285 573 2,66 Large 6,977 6,764 9,223 22,964 3,139 638 981 4,78 Total 11,146 12,479 17,435 41,060 4,913 923 1,554 7,36 Eastern Mass. (E) Scrod 664 6,635 1,486 8,785 576 245 688 1,56 Large 2,102 8,514 1,938 12,554 725 1,376 1,228 3,32 Total 2,766 15,149 3,424 21,339 1,301 1,621 1,916 4,83 Inner Grounds (F) Scrod 931 1,083 951 2,965 99 610 628 1,33 Large 1,233 976 772 2,981 100 1,600 1,836 3,53 Total 2,164 2,059 1,723 5,946 199 2,210 2,464 4,85 Summaries: 5Y, NoNo. Gulf of Me. (B,C,D) Scrod 4,286 6,451 8,286 19,023 2,204 1,503 1,312 5,03 Large 7,062 8,505 9,259 24,826 3,475 1,741 1,613 6,83 Total 11,348 14,956 17,545 43,849 5,679 3,244 2,925 11,86 5Y, SoSo. Gulf of Me. (E, F) Scrod 1,595 7,718 2,437 11,750 675 855 1,316 2,865	category	Feb.	Mar.	April	Total		June	July	Total
Scrod 8 10 18 340 999 646 1,98 Large 7 1 10 18 234 891 486 1,61 Total 7 9 20 36 574 1,890 1,132 3,58 Central Maine (C) Scrod 117 728 64 909 90 219 93 46 Large 78 1,740 26 1,844 102 212 146 46 Total 195 2,468 90 2,753 192 431 239 86 Western Maine (D) Scrod 4,169 5,715 8,212 18,096 1,774 285 573 2,66 Large 6,977 6,764 9,223 22,964 3,139 638 981 4,78 Total 11,146 12,479 17,435 41,060 4,913 923 1,554 7,36 Eastern Mass. (E) Scrod 664 6,635 1,486 8,785 576 245 688 1,56 Large 2,102 8,514 1,938 12,554 725 1,376 1,228 3,32 Total 2,766 15,149 3,424 21,339 1,301 1,621 1,916 4,83 Inner Grounds (F) Scrod 931 1,083 951 2,965 99 610 628 1,33 Large 1,233 976 772 2,981 100 1,600 1,836 3,53 Total 2,164 2,059 1,723 5,946 199 2,210 2,464 4,85 Summaries: 5Y, NoNo. Gulf of Me. (B,C,D) Scrod 4,286 6,451 8,286 19,023 2,204 1,503 1,312 5,03 Large 7,062 8,505 9,259 24,826 3,475 1,741 1,613 6,83 Total 11,348 14,956 17,545 43,849 5,679 3,244 2,925 11,86 5Y, SoSo. Gulf of Me. (E, F) Scrod 1,595 7,718 2,437 11,750 675 855 1,316 2,865	Eastern Maine	(B)							
Large 7 1 10 18 234 891 486 1,61 Total 7 9 20 36 574 1,890 1,132 3,56 Central Maine (C) Scrod 117 728 64 909 90 219 93 46 Large 78 1,740 26 1,844 102 212 146 46 Total 195 2,468 90 2,753 192 431 239 86 Western Maine (D) Scrod 4,169 5,715 8,212 18,096 1,774 285 573 2,66 Large 6,977 6,764 9,223 22,964 3,139 638 981 4,77 Total 11,146 12,479 17,435 41,060 4,913 923 1,554 7,36 Eastern Mass. (E) Scrod 664 6,635 1,486 8,785 576 245 688 1,56 Large 2,102 8,514 1,938 12,554 725 1,376 1,228 3,33 Total 2,766 15,149 3,424 21,339 1,301 1,621 1,916 4,83 Inner Grounds (F) Scrod 931 1,083 951 2,965 99 610 628 1,33 Large 1,233 976 772 2,981 100 1,600 1,836 3,55 Total 2,164 2,059 1,723 5,946 199 2,210 2,464 4,85 Summaries: 5Y, NoNo. Gulf of Me. (B,C,D) Scrod 4,286 6,451 8,286 19,023 2,204 1,503 1,312 5,03 Large 7,062 8,505 9,259 24,826 3,475 1,741 1,613 6,83 Total 11,348 14,956 17,545 43,849 5,679 3,244 2,925 11,84 5Y, SoSo. Gulf of Me. (E, F) Scrod 1,595 7,718 2,437 11,750 675 855 1,316 2,84		(D) 	8	1.0	18	340	999	646	1 985
Total 7 9 20 36 574 1,890 1,132 3,58 Central Maine (C) Scrod 117 728 64 909 90 219 93 46 Large 78 1,740 26 1,844 102 212 146 46 Total 195 2,468 90 2,753 192 431 239 86 Western Maine (D) Scrod 4,169 5,715 8,212 18,096 1,774 285 573 2,66 Large 6,977 6,764 9,223 22,964 3,139 638 981 4,77 Total 11,146 12,479 17,435 41,060 4,913 923 1,554 7,38 Eastern Mass. (E) Scrod 664 6,635 1,486 8,785 576 245 688 1,56 Large 2,102 8,514 1,938 12,554 725 1,376 1,228 3,32 Total 2,766 15,149 3,424 21,339 1,301 1,621 1,916 4,83 Inner Grounds (F) Scrod 931 1,083 951 2,965 99 610 628 1,33 Large 1,233 976 772 2,981 100 1,600 1,836 3,53 Total 2,164 2,059 1,723 5,946 199 2,210 2,464 4,83 Summaries: 5Y, NoNo. Gulf of Me. (B, C, D) Scrod 4,286 6,451 8,286 19,023 2,204 1,503 1,312 5,03 Large 7,062 8,505 9,259 24,826 3,475 1,741 1,613 6,83 Total 11,348 14,956 17,545 43,849 5,679 3,244 2,925 11,84 5Y, SoSo. Gulf of Me. (E, F) Scrod 1,595 7,718 2,437 11,750 675 855 1,316 2,84		7		_	_				1,611
Serod 117 728 64 909 90 219 93 46 Large 78 1,740 26 1,844 102 212 146 46 Total 195 2,468 90 2,753 192 431 239 86 Western Maine (D) Serod 4,169 5,715 8,212 18,096 1,774 285 573 2,66 Large 6,977 6,764 9,223 22,964 3,139 638 981 4,75 Total 11,146 12,479 17,435 41,060 4,913 923 1,554 7,36 Eastern Mass. (E) Serod 664 6,635 1,486 8,785 576 245 688 1,56 Large 2,102 8,514 1,938 12,554 725 1,376 1,228 3,33 Total 2,766 15,149 3,424 21,339 1,301 1,621 1,916 4,83 Inner Grounds (F) Serod 931 1,083 951 2,965 99 610 628 1,33 Large 1,233 976 772 2,981 100 1,600 1,836 3,53 Total 2,164 2,059 1,723 5,946 199 2,210 2,464 4,83 Summaries: 5Y, NoNo. Gulf of Me. (B,C,D) Serod 4,286 6,451 8,286 19,023 2,204 1,503 1,312 5,03 Large 7,062 8,505 9,259 24,826 3,475 1,741 1,613 6,83 Total 11,348 14,956 17,545 43,849 5,679 3,244 2,925 11,84 5Y, SoSo. Gulf of Me. (E, F) Serod 1,595 7,718 2,437 11,750 675 855 1,316 2,84				_					3,596
Serod 117 728 64 909 90 219 93 46 Large 78 1,740 26 1,844 102 212 146 46 Total 195 2,468 90 2,753 192 431 239 86 Western Maine (D) Serod 4,169 5,715 8,212 18,096 1,774 285 573 2,66 Large 6,977 6,764 9,223 22,964 3,139 638 981 4,75 Total 11,146 12,479 17,435 41,060 4,913 923 1,554 7,36 Eastern Mass. (E) Serod 664 6,635 1,486 8,785 576 245 688 1,56 Large 2,102 8,514 1,938 12,554 725 1,376 1,228 3,33 Total 2,766 15,149 3,424 21,339 1,301 1,621 1,916 4,83 Inner Grounds (F) Serod 931 1,083 951 2,965 99 610 628 1,33 Large 1,233 976 772 2,981 100 1,600 1,836 3,53 Total 2,164 2,059 1,723 5,946 199 2,210 2,464 4,83 Summaries: 5Y, NoNo. Gulf of Me. (B,C,D) Serod 4,286 6,451 8,286 19,023 2,204 1,503 1,312 5,03 Large 7,062 8,505 9,259 24,826 3,475 1,741 1,613 6,83 Total 11,348 14,956 17,545 43,849 5,679 3,244 2,925 11,84 5Y, SoSo. Gulf of Me. (E, F) Serod 1,595 7,718 2,437 11,750 675 855 1,316 2,84	Central Maine	(C)							
Total 195 2,468 90 2,753 192 431 239 86 Western Maine (D) Scrod 4,169 5,715 8,212 18,096 1,774 285 573 2,63 Large 6,977 6,764 9,223 22,964 3,139 638 981 4,73 Total 11,146 12,479 17,435 41,060 4,913 923 1,554 7,38 Eastern Mass. (E) Scrod 664 6,635 1,486 8,785 576 245 688 1,56 Large 2,102 8,514 1,938 12,554 725 1,376 1,228 3,32 Total 2,766 15,149 3,424 21,339 1,301 1,621 1,916 4,83 Inner Grounds (F) Scrod 931 1,083 951 2,965 99 610 628 1,33 Large 1,233 976 772 2,981 100 1,600 1,836 3,55 Total 2,164 2,059 1,723 5,946 199 2,210 2,464 4,85 Summaries: 5Y, NoNo. Gulf of Me. (B,C,D) Scrod 4,286 6,451 8,286 19,023 2,204 1,503 1,312 5,00 Large 7,062 8,505 9,259 24,826 3,475 1,741 1,613 6,83 Total 11,348 14,956 17,545 43,849 5,679 3,244 2,925 11,84			728	64	909	90	219	93	402
Western Maine (D) Scrod	Large	78	1,740	26	1,844	102	212	146	460
Serod 4,169 5,715 8,212 18,096 1,774 285 573 2,65 Large 6,977 6,764 9,223 22,964 3,139 638 981 4,75 Total 11,146 12,479 17,435 41,060 4,913 923 1,554 7,39 Eastern Mass. (E) Scrod 664 6,635 1,486 8,785 576 245 688 1,50 Large 2,102 8,514 1,938 12,554 725 1,376 1,228 3,32 Total 2,766 15,149 3,424 21,339 1,301 1,621 1,916 4,83 Inner Grounds (F) Scrod 931 1,083 951 2,965 99 610 628 1,33 Large 1,233 976 772 2,981 100 1,600 1,836 3,53 Total 2,164 2,059 1,723 5,946 199 2,210 2,464 4,85 Summaries: 5Y, NoNo. Gulf of Me. (B,C,D) Scrod 4,286 6,451 8,286 19,023 2,204 1,503 1,312 5,03 Large 7,062 8,505 9,259 24,826 3,475 1,741 1,613 6,83 Total 11,348 14,956 17,545 43,849 5,679 3,244 2,925 11,84 5Y, SoSo. Gulf of Me. (E, F) Scrod 1,595 7,718 2,437 11,750 675 855 1,316 2,84	Total	195	2,468	90	2,753	192	431	239	862
Large 6,977 6,764 9,223 22,964 3,139 638 981 4,75 Total 11,146 12,479 17,435 41,060 4,913 923 1,554 7,38 Eastern Mass. (E) Scrod 664 6,635 1,486 8,785 576 245 688 1,50 Large 2,102 8,514 1,938 12,554 725 1,376 1,228 3,33 Total 2,766 15,149 3,424 21,339 1,301 1,621 1,916 4,83 Inner Grounds (F) Scrod 931 1,083 951 2,965 99 610 628 1,33 Large 1,233 976 772 2,981 100 1,600 1,836 3,53 Total 2,164 2,059 1,723 5,946 199 2,210 2,464 4,85 Summaries: 5Y, NoNo. Gulf of Me. (B,C,D) Scrod 4,286 6,451 8,286 19,023 2,204 1,503 1,312 5,03 Large 7,062 8,505 9,259 24,826 3,475 1,741 1,613 6,83 Total 11,348 14,956 17,545 43,849 5,679 3,244 2,925 11,84 5Y, SoSo. Gulf of Me. (E, F) Scrod 1,595 7,718 2,437 11,750 675 855 1,316 2,84	Western Maine	(D)							
Total 11,146 12,479 17,435 41,060 4,913 923 1,554 7,38 Eastern Mass. (E) Scrod 664 6,635 1,486 8,785 576 245 688 1,50 Large 2,102 8,514 1,938 12,554 725 1,376 1,228 3,32 Total 2,766 15,149 3,424 21,339 1,301 1,621 1,916 4,83 Inner Grounds (F) Scrod 931 1,083 951 2,965 99 610 628 1,33 Large 1,233 976 772 2,981 100 1,600 1,836 3,53 Total 2,164 2,059 1,723 5,946 199 2,210 2,464 4,85 Summaries: 5Y, NoNo. Gulf of Me. (B,C,D) Scrod 4,286 6,451 8,286 19,023 2,204 1,503 1,312 5,03 Large 7,062 8,505 9,259 24,826 3,475 1,741 1,613 6,33 Total 11,348 14,956 17,545 43,849 5,679 3,244 2,925 11,84 5Y, SoSo. Gulf of Me. (E, F) Scrod 1,595 7,718 2,437 11,750 675 855 1,316 2,84	Serod		5,715	8,212	18,096	1,774	285	573	2,632
Eastern Mass. (E) Scrod 664 6,635 1,486 8,785 576 245 688 1,56 Large 2,102 8,514 1,938 12,554 725 1,376 1,228 3,32 Total 2,766 15,149 3,424 21,339 1,301 1,621 1,916 4,83 Inner Grounds (F) Scrod 931 1,083 951 2,965 99 610 628 1,33 Large 1,233 976 772 2,981 100 1,600 1,836 3,53 Total 2,164 2,059 1,723 5,946 199 2,210 2,464 4,85 Summaries: 5Y, NoNo. Gulf of Me. (B,C,D) Scrod 4,286 6,451 8,286 19,023 2,204 1,503 1,312 5,03 Large 7,062 8,505 9,259 24,826 3,475 1,741 1,613 6,82 Total 11,348 14,956 17,545 43,849 5,679 3,244 2,925 11,84 5Y, SoSo. Gulf of Me. (E, F) Scrod 1,595 7,718 2,437 11,750 675 855 1,316 2,84	Large	6,977	6,764	9,223		3,139	638	981	4,758
Scrod 664 6,635 1,486 8,785 576 245 688 1,56 Large 2,102 8,514 1,938 12,554 725 1,376 1,228 3,32 Total 2,766 15,149 3,424 21,339 1,301 1,621 1,916 4,83 Inner Grounds (F) Scrod 931 1,083 951 2,965 99 610 628 1,33 Large 1,233 976 772 2,981 100 1,600 1,836 3,53 Total 2,164 2,059 1,723 5,946 199 2,210 2,464 4,83 Summaries: 5Y, NoNo. Gulf of Me. (B,C,D) Scrod 4,286 6,451 8,286 19,023 2,204 1,503 1,312 5,03 Large 7,062 8,505 9,259 24,826 3,475 1,741 1,613 6,83 Total 11,348 14,956 17,545 43,849 5,679 3,244 2,925 11,84 5Y, SoSo. Gulf of Me. (E, F) Scrod 1,595 7,718 2,437 11,750 675 855 1,316 2,84	Total	11,146	12,479	17,435	41,060	4,913	923	1,554	7,390
Large 2,102 8,514 1,938 12,554 725 1,376 1,228 3,32 Total 2,766 15,149 3,424 21,339 1,301 1,621 1,916 4,83 Inner Grounds (F) Serod 931 1,083 951 2,965 99 610 628 1,33 Large 1,233 976 772 2,981 100 1,600 1,836 3,53 Total 2,164 2,059 1,723 5,946 199 2,210 2,464 4,87 Serod 4,286 6,451 8,286 19,023 2,204 1,503 1,312 5,03 Large 7,062 8,505 9,259 24,826 3,475 1,741 1,613 6,83 Total 11,348 14,956 17,545 43,849 5,679 3,244 2,925 11,84 5Y, SoSo. Gulf of Me. (E, F) Serod 1,595 7,718 2,437 11,750 675 855 1,316 2,84	Eastern Mass.	(E)							
Total 2,766 15,149 3,424 21,339 1,301 1,621 1,916 4,83 Inner Grounds (F) Serod 931 1,083 951 2,965 99 610 628 1,33 Large 1,233 976 772 2,981 100 1,600 1,836 3,53 Total 2,164 2,059 1,723 5,946 199 2,210 2,464 4,83 Summaries: 5Y, NoNo. Gulf of Me. (B,C,D) Serod 4,286 6,451 8,286 19,023 2,204 1,503 1,312 5,03 Large 7,062 8,505 9,259 24,826 3,475 1,741 1,613 6,83 Total 11,348 14,956 17,545 43,849 5,679 3,244 2,925 11,84 5Y, SoSo. Gulf of Me. (E, F) Serod 1,595 7,718 2,437 11,750 675 855 1,316 2,84	Scrod		6,635	1,486	8,785	576	245	688	1,509
Inner Grounds (F) Serod 931 1,083 951 2,965 99 610 628 1,33 Large 1,233 976 772 2,981 100 1,600 1,836 3,53 Total 2,164 2,059 1,723 5,946 199 2,210 2,464 4,85 Summaries: 5Y, NoNo. Gulf of Me. (B,C,D) Serod 4,286 6,451 8,286 19,023 2,204 1,503 1,312 5,03 Large 7,062 8,505 9,259 24,826 3,475 1,741 1,613 6,83 Total 11,348 14,956 17,545 43,849 5,679 3,244 2,925 11,84 5Y, SoSo. Gulf of Me. (E, F) Serod 1,595 7,718 2,437 11,750 675 855 1,316 2,84	Large	2,102	8,514	1,938	12,554	725	1,376	1,228	3,329
Serod 931 1,083 951 2,965 99 610 628 1,33 Large 1,233 976 772 2,981 100 1,600 1,836 3,53 Total 2,164 2,059 1,723 5,946 199 2,210 2,464 4,85 Summaries: 5Y, NoNo. Gulf of Me. (B,C,D) Serod 4,286 6,451 8,286 19,023 2,204 1,503 1,312 5,03 Large 7,062 8,505 9,259 24,826 3,475 1,741 1,613 6,83 Total 11,348 14,956 17,545 43,849 5,679 3,244 2,925 11,84 5Y, SoSo. Gulf of Me. (E, F) Serod 1,595 7,718 2,437 11,750 675 855 1,316 2,84	Total	2,766	15,149	3,424	21,339	1,301	1,621	1,916	4,838
Large 1,233 976 772 2,981 100 1,600 1,836 3,55 Total 2,164 2,059 1,723 5,946 199 2,210 2,464 4,85 Summaries: 5Y, NoNo. Gulf of Me. (B,C,D) Scrod 4,286 6,451 8,286 19,023 2,204 1,503 1,312 5,05 Large 7,062 8,505 9,259 24,826 3,475 1,741 1,613 6,85 Total 11,348 14,956 17,545 43,849 5,679 3,244 2,925 11,84 5Y, SoSo. Gulf of Me. (E, F) Scrod 1,595 7,718 2,437 11,750 675 855 1,316 2,84	Inner Grounds								
Total 2,164 2,059 1,723 5,946 199 2,210 2,464 4,85 Summaries: 5Y, NoNo. Gulf of Me. (B,C,D) Scrod 4,286 6,451 8,286 19,023 2,204 1,503 1,312 5,05 Large 7,062 8,505 9,259 24,826 3,475 1,741 1,613 6,85 Total 11,348 14,956 17,545 43,849 5,679 3,244 2,925 11,84 5Y, SoSo. Gulf of Me. (E, F) Scrod 1,595 7,718 2,437 11,750 675 855 1,316 2,84	Serod			951	2,965	99	610	628	1,337
Summaries: 5Y, NoNo. Gulf of Me. (B,C,D) Scrod 4,286 6,451 8,286 19,023 2,204 1,503 1,312 5,03 Large 7,062 8,505 9,259 24,826 3,475 1,741 1,613 6,83 Total 11,348 14,956 17,545 43,849 5,679 3,244 2,925 11,84 5Y, SoSo. Gulf of Me. (E, F) Scrod 1,595 7,718 2,437 11,750 675 855 1,316 2,84	Large	1,233	976	772	2,981	100	1,600	1,836	3,536
5Y, NoNo. Gulf of Me. (B,C,D) Serod 4,286 6,451 8,286 19,023 2,204 1,503 1,312 5,02 Large 7,062 8,505 9,259 24,826 3,475 1,741 1,613 6,82 Total 11,348 14,956 17,545 43,849 5,679 3,244 2,925 11,84 5Y, SoSo. Gulf of Me. (E, F) Serod 1,595 7,718 2,437 11,750 675 855 1,316 2,84	Total	2,164	2,059	1,723	5,946	199	2,210	2,464	4,873
5Y, NoNo. Gulf of Me. (B,C,D) Serod 4,286 6,451 8,286 19,023 2,204 1,503 1,312 5,02 Large 7,062 8,505 9,259 24,826 3,475 1,741 1,613 6,82 Total 11,348 14,956 17,545 43,849 5,679 3,244 2,925 11,84 5Y, SoSo. Gulf of Me. (E, F) Serod 1,595 7,718 2,437 11,750 675 855 1,316 2,84	C								
Scrod 4,286 6,451 8,286 19,023 2,204 1,503 1,312 5,01 Large 7,062 8,505 9,259 24,826 3,475 1,741 1,613 6,82 Total 11,348 14,956 17,545 43,849 5,679 3,244 2,925 11,84 5Y, SoSo. Gulf of Me. (E, F) Scrod 1,595 7,718 2,437 11,750 675 855 1,316 2,84		Culf of M	6 /D C 3	D.)					
Large 7,062 8,505 9,259 24,826 3,475 1,741 1,613 6,85 Total 11,348 14,956 17,545 43,849 5,679 3,244 2,925 11,84 57, SoSo. Gulf of Me. (E, F) Scrod 1,595 7,718 2,437 11,750 675 855 1,316 2,84					10 022	2 204	1 503	1 219	5 010
Total 11,348 14,956 17,545 43,849 5,679 3,244 2,925 11,84 5Y, SoSo. Gulf of Me. (E, F) Scrod 1,595 7,718 2,437 11,750 675 855 1,316 2,84				0,200					
5Y, SoSo. Gulf of Me. (E, F) Scrod 1,595 7,718 2,437 11,750 675 8 55 1,316 2,84	0					,			
Scrod 1,595 7,718 2,437 11,750 675 8 55 1,316 2,84	Total	11,540	14, 330	11,040	40,040	5,015	3,244	4,020	11,040
				0.405	11 750	0.5	0.5.5	. 0.0	0.040
									2,846
	0								6,865
Total 4,930 17,208 5,147 27,285 1,500 3,831 4,380 9,73	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 5Y, hundreds of pounds, gutted weight (continued)

Area-unit and		- · · · ·				1777			A 11
market size category	Aug.	Fall Sept.	Oct.	Total	Nov.	Winte Dec.	r Jan.	Total	All seasons
Eastern Maine (D)				•				
Scrod	95	283	39	417			4	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	
Large	1 07	245	576	928	68	208	567	843	
Total	155	426	972	1,553	98	272	675	1,045	6,213
Western Maine ((D)								
Scrod	652	71	155	878	271	267	722		22,866
Large	1,195	473	501	2,169	526	755	1,087		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	,	17,491
Large	778	896	1,523	3, 197	454	363	252	,	20,149
Total	1,269	1,488	4,150	6,907	1,610	1,883	1,063	4,556	37,640
Inner Grounds (F)								
Serod	1,479	862	2,472	4,813	348	343	319		10, 125
Large	5,185	1,512	4,263	10,960	1,214	486	796		19,973
Total	6,664	2,374	6,735	15,773	1,562	829	1,115	3,506	30, 098
C							· · · · · · · · · · · · · · · · · · ·		
Summaries: 5Y, NoNo.	Culf of Mo	/D C 1	3)						
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		38, 531
Total	2,384	1,472	1,728	5,584	895	1,294	2,489		65, 959
Total	2,304	1,412	1,120	3, 304	030	1,234	2,400	4,010	00, 000
5Y, SoSo.									
Scrod	1,970	1,454	5,099	8,523	1,504	1,863	1,130		27,616
Large	5,963	2,408	5,786	14, 157	1,668	849	1,048		40,122
Total	7,933	3,862	10,885	22,680	3, 172	2,712	2,178	8,062	67,733

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

Area unit and								
Area-unit and market size		Spring			S	ummer		
category	Feb.	Mar.	April	Total	May	June	July	Total
caregory			110111	10101		- Carre	bary	10141
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
10001	10,10.	22,000	-,		,	,	,	,
Southeast Part (M)							
Sarod	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
	,	•	ŕ	•	•		•	-
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		22,804	6,854	9,743	13,308	29,905
Total	13,943	19,684		40,507	11,654	17,329	20,131	49,114
	ĺ	•	•	•	•	•	•	•
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
	,	,	,	•	ŕ	,		•
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	7)						
Scrod	46	178	38	262	50	73	45	168
Large	35	74	460	569	317	347	7 1	735
Total	81	252	498	831	367	420	116	903
Summaries:								
5Z, EE. G	eorges (J							
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, WW. C	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		111,423
Total	24,749	23,851	24,625	73,225	67,927	81,857	39,068	188,852
All Areas (Table								
Scrod	38,248	47,335		112,427	50,470	53,992		149,840
Large	61,421	59,501		149,172	56,396	63,685		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 5Z, hundreds of pounds, gutted weight (continued)

Market size Aug. Sept. Oct. Total Nov. Dec. Jan. Total season Northern Edge (J) Scrod 24,090 49,398 16,646 90,134 10,621 8,755 6,731 26,107 153,15 Large 15,288 13,786 10,378 39,452 9,592 8,599 7,937 26,128 118,22 Total 39,378 63,184 27,024 129,586 20,213 17,354 14,668 52,235 271,44 East Channel (H) Scrod 5,272 12,748 8,576 26,596 6,502 9,682 5,650 21,834 102,88 Large 6,082 5,713 8,060 19,855 16,105 20,938 13,092 50,135 149,77 Total 11,354 18,461 16,636 46,451 22,607 30,620 18,742 71,969 252,66 Southwest Part (N) Scrod 491 588 1,079 526 425 708 1,659 16,44 27,024 129,586 231 492 1,149 1,872 15,84 70 70 70 70 70 70 70 70 70 7										
Northern Edge (J) Scrod (28,795) 15,147 27,627 71,569 9,185 3,016 3,129 15,330 144,45 Large 12,468 5,800 7,814 26,082 4,256 2,839 5,385 12,480 86,22 Total 41,263 20,947 35,441 97,651 13,441 5,855 8,514 27,810 230,67 Southeast Part (M) Scrod (3,588 986 555 5,129 2,587 6,275 2,251 11,113 71,15 Large 8,855 650 83 1,588 1,107 2,767 1,536 5,410 66,99 Total 4,43 1,636 638 6,717 3,694 9,042 3,787 16,523 138,00 West Channel (G) Scrod 24,090 49,398 16,646 90,134 10,621 8,755 6,731 26,107 153,15 Total 39,378 63,184 27,024 129,586 20,213 17,354 14,668 52,235 271,44 East Channel (H) Scrod 5,272 12,748 8,576 26,596 6,502 9,682 5,650 21,834 102,88 Large 6,082 5,713 8,060 19,855 16,105 20,938 13,092 50,135 149,75 Total 11,354 18,461 16,636 46,451 22,607 30,620 18,742 71,969 252,66 Southwest Part (N) Scrod 491 588 1,079 526 425 708 1,659 16,917 Total 848 657 1,505 757 917 1,857 3,531 32,28 Nantucket (O) Scrod 1,158 1,710 1,469 4,337 1,328 412 32 1,772 11,82 Large 182 218 235 653 466 216 12 694 4,92 Total 1,340 1,928 1,704 4,972 1,794 628 44 2,466 16,74 Southern N. E. (Q,R,S,T) Scrod 32,333 16,133 28,182 76,698 11,772 9,291 5,380 26,443 215,57 Large 441 39 163 643 123 94 217 2,16 Total 45,706 22,583 36,640 10,11 28,517 30,339 22,107 17,890 153,16 Total 45,706 22,583 36,640 61,011 28,617 30,339 22,107 17,890 153,16 Total 45,706 22,583 36,640 61,011 28,617 30,339 22,107 17,890 153,16 Total 45,706 22,583 36,640 61,011 28,617 30,339 22,107 78,131 252,75 Scrod 31,067 63,884 27,486 122,437 19,113 19,504 13,121 51,738 285,36 Large 22,350 19,756 18,905 61,011 26,517 30,339 20,465 84,144 555,98 All Areas (Tables 2a, 2b) Scrod 66,215 82,006 61,357 209,578 32,690 30,989 20,465 84,144 555,98 All Areas (Tables 2a, 2b)	Area-unit and		F - 11				Winter			Λ 11
Northern Edge (J) Scrod 28,795 15,147 27,627 71,569 9,185 3,016 3,129 15,330 144,42 Large 12,468 5,800 7,814 26,082 4,256 2,839 5,385 12,480 86,22 Total 41,263 20,947 35,441 97,651 13,441 5,855 8,514 27,810 230,67 Southeast Part (M) Scrod 3,588 986 555 5,129 2,587 6,275 2,251 11,113 71,15 Large 855 650 83 1,588 1,107 2,767 1,536 5,410 66,99 Total 4,443 1,636 638 6,717 3,694 9,042 3,787 16,523 138,06 West Channel (G) Scrod 24,090 49,398 16,646 90,134 10,621 8,755 6,731 26,107 153,15 Large 15,288 13,786 10,378 39,452 9,592 8,599 7,937 26,128 118,25 Total 39,378 63,184 27,024 129,586 20,213 17,354 14,668 52,235 271,44 East Channel (H) Scrod 5,272 12,748 8,576 26,596 6,502 9,682 5,650 21,834 102,88 Large 6,082 5,713 8,060 19,855 16,105 20,338 13,092 50,135 144,72 Total 11,354 18,461 16,636 46,451 22,607 30,620 18,742 71,969 252,66 Southwest Part (N) Scrod 491 588 1,079 526 425 708 1,659 16,44 Large 357 69 426 231 492 1,149 1,872 15,84 Total 848 657 1,505 757 917 1,857 3,531 32,26 Nantucket (O) Scrod 1,158 1,710 1,469 4,337 1,328 412 32 1,772 11,82 Large 182 218 235 635 466 216 12 694 4,92 Total 1,340 1,928 1,704 4,972 1,794 628 44 2,466 16,74 Southern N. E. (Q,R,S,T) Scrod 32,383 16,133 28,182 76,698 11,772 9,291 5,380 26,443 215,67 Large 43,225 2,583 36,040 46,391 183,444 55,698 Callerge (C,H,N,O,Q,R,S,T) Scrod 32,383 16,133 28,182 76,698 11,772 9,291 5,380 26,443 215,67 Callerge 22,350 19,756 18,905 61,011 26,517 30,339 22,190 79,046 290,94 Total 45,706 22,583 36,079 104,368 17,135 14,897 12,301 44,333 368,73 SCROM 31,067 63,884 27,486 122,437 19,113 19,504 13,121 51,738 285,36 Callerge 32,350 34,640 46,391 183,448 45,630 49,843 35,311 130,784 576,50 All Areas (Tables 2a, 2b) Scrod 66,215 82,006 61,357 209,578 32,690 30,989 20,465 84,144 555,98 Callerge 43,225 29,551 33,726 106,502 34,4142 37,757 31,814 103,713 522,75		Aug		Oct	Total	Nov		Jan	Total	
Scrod 28,795 15,147 27,627 71,569 9,185 3,016 3,129 15,330 144, 42 Large 12,468 5,800 7,814 26,082 4,256 2,839 5,385 12,480 86,22 Total 41,263 20,947 35,441 97,651 13,441 5,855 8,514 27,810 230,67 Southeast Part (M) Scrod 3,588 986 555 5,129 2,587 6,275 2,251 11,113 71,15 Large 855 650 83 1,588 1,107 2,767 1,536 5,410 66,97 Total 4,443 1,636 638 6,717 3,694 9,042 3,787 16,523 138,00 West Channel (G) Scrod 24,090 49,398 16,646 90,134 10,621 8,755 6,731 26,107 153,15 Large 15,288 13,786 10,378 39,452 9,592 8,599 7,937 26,128 118,25 Total 39,378 63,184 27,024 129,586 20,213 17,354 14,668 52,235 271,44 East Channel (H) Scrod 5,272 12,748 8,576 26,596 6,502 9,682 5,650 2,1834 102,8 Large 6,082 5,713 8,060 19,855 16,105 20,938 13,092 50,135 149,75 Total 11,354 18,461 16,636 46,451 22,607 30,620 18,742 71,969 252,66 Southwest Part (N) Scrod 491 588 1,079 526 425 708 1,659 16,41 Large 357 69 426 231 492 1,149 1,872 15,84 Total 848 657 1,505 757 917 1,857 3,531 32,26 Nantucket (O) Scrod 1,158 1,710 1,469 4,337 1,328 412 32 1,772 11,82 Large 182 218 235 635 466 216 12 694 4,2 2 Large 182 218 235 635 466 216 12 694 4,2 2 Large 182 218 235 635 466 216 12 694 4,2 2 Large 141 39 163 643 123 94 366 1,08 Large 441 39 163 643 123 94 583 3,25 Summaries: 5Z, EE. Georges (J, M) Scrod 32,383 16,133 28,182 76,698 11,772 9,291 5,380 26,443 215,67 Clarge 13,323 6,450 7,897 27,670 5,363 5,606 6,921 17,890 153,16 Total 45,706 22,583 36,079 104,368 17,135 14,897 12,301 44,333 368,73 5Z, WW. Georges (G, H, N, O, Q, R, S, T) Scrod 32,383 16,133 28,182 76,698 17,713 19,13 19,504 13,121 51,738 285,38 Large 22,350 19,756 18,905 61,011 26,517 30,339 22,190 79,046 290,94 Total 53,417 83,640 46,391 183,448 45,630 49,843 35,311 130,744 555,98 Card 66,215 82,006 61,357 209,578 32,690 30,989 20,465 84,144 555,98 Card 66,215 82,006 61,357 209,578 32,690 30,989 20,465 84,144 555,98 Card 66,215 82,006 61,357 209,578 32,690 30,989 20,465 84,144 555,98 Card 66,215 82,006 61,357 209,578 32,690 30,989 20,465 84,144 555,98 Card 66	category	nug.	вери.	Oct.	Total	1107.	Dec.	Dan.	Total	SCASOII
Large 12,468 5,800 7,814 26,082 4,256 2,839 5,385 12,480 86,225 Total 41,263 20,947 35,441 97,651 13,441 5,855 8,514 27,810 230,67 Southeast Part (M) Serod 3,588 986 555 5,129 2,587 6,275 2,251 11,113 71,15 Large 855 650 83 1,588 1,107 2,767 1,536 5,410 66,99 Total 4,443 1,636 638 6,717 3,694 9,042 3,787 16,523 138,00 West Channel (G) Serod 24,090 49,398 16,646 90,134 10,621 8,755 6,731 26,107 153,15 Large 15,288 13,786 10,378 39,452 9,592 8,599 7,937 26,128 118,28 Total 39,378 63,184 27,024 129,586 20,213 17,354 14,668 52,235 271,46 East Channel (H) Serod 5,272 12,748 8,576 26,596 6,502 9,682 5,650 21,834 102,88 Large 6,082 5,713 8,060 19,855 16,105 20,938 13,092 50,135 149,72 Total 11,354 18,461 16,636 46,451 22,607 30,620 18,742 71,969 252,60 Southwest Part (N) Serod 491 588 1,079 526 425 708 1,659 16,40 Large 357 69 426 231 492 1,149 1,872 15,84 Total 848 657 1,505 757 917 1,857 3,531 32,260 Nantucket (O) Serod 1,158 1,710 1,469 4,337 1,328 412 32 1,772 11,82 Large 182 218 235 635 466 216 12 694 4,92 Total 1,340 1,928 1,704 4,972 1,794 628 44 2,466 16,74 Southern N. E. (Q,R,S,T) Serod 56 28 207 291 136 230 366 1,08 Large 441 39 163 643 123 94 217 2,16 Total 497 67 370 934 259 324 583 3,25 Summaries: 5Z, EE. Georges (J, M) Serod 32,383 16,133 28,182 76,698 11,772 9,291 5,380 26,443 215,57 Large 13,323 6,450 7,897 27,670 5,363 5,606 6,921 17,890 153,16 Total 45,706 22,583 36,079 104,368 17,135 14,897 12,301 44,333 368,73 5Z, WW. Georges (G, H, N, O, Q, R, S, T) Serod 32,383 16,133 28,182 76,698 11,772 9,291 5,380 26,443 215,57 Large 22,380 19,756 18,906 61,011 26,517 30,339 22,190 79,046 290,94 Total 53,417 83,640 46,391 183,448 45,630 49,843 35,311 130,784 576,30	Northern Edge	(J)								
Total 41, 263 20, 947 35, 441 97, 651 13, 441 5, 855 8, 514 27, 810 230, 67 Southeast Part (M) Scrod 3, 588 986 555 5, 129 2, 587 6, 275 2, 251 11, 113 71, 15 Large 855 650 83 1, 588 1, 107 2, 767 1, 536 5, 410 66, 97 Total 4, 443 1, 636 638 6, 717 3, 694 9, 042 3, 787 16, 523 138, 06 West Channel (G) Scrod 24, 090 49, 398 16, 646 90, 134 10, 621 8, 755 6, 731 26, 107 153, 15 Large 15, 288 13, 786 10, 378 39, 452 9, 592 8, 599 7, 937 26, 128 118, 25 Total 39, 378 63, 184 27, 024 129, 586 20, 213 17, 354 14, 668 52, 235 271, 44 East Channel (H) Scrod 5, 272 12, 748 8, 576 26, 596 6, 502 9, 682 5, 650 21, 834 102, 88 Large 6, 082 5, 713 8, 060 19, 855 16, 105 20, 938 13, 092 50, 135 149, 73 Total 11, 354 18, 461 16, 636 46, 451 22, 607 30, 620 18, 742 71, 969 252, 60 Southwest Part (N) Scrod 491 588 1, 079 526 425 708 1, 659 16, 41 Large 357 69 426 231 492 11, 149 1, 872 15, 84 Total 848 657 1, 505 757 917 1, 857 3, 531 32, 26 Nantucket (O) Scrod 1, 158 1, 710 1, 469 4, 337 1, 328 412 32 1, 742 11, 82 Total 1, 340 1, 928 1, 704 4, 972 1, 794 628 44 2, 466 16, 74 Southern N. E. (Q, R, S, T) Scrod 32, 383 16, 133 28, 182 76, 698 11, 712 9, 291 5, 380 26, 443 215, 57 Large 182 218 235 635 466 216 12 694 4, 92 Total 497 67 370 934 259 324 583 3, 25 Summarics SZ, EE. Georges (J, M) Scrod 32, 383 16, 133 28, 182 76, 698 11, 712 9, 291 5, 380 26, 443 215, 57 Large 13, 323 6, 450 7, 897 27, 670 5, 363 5, 606 6, 921 17, 890 153, 16 Total 45, 706 22, 583 36, 079 104, 368 17, 135 14, 897 12, 301 44, 333 368, 73 SZ, WW. 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, 38 Large 22, 350 19, 756 18, 906 61, 011 26, 517 30, 339 22, 190 79, 046 290, 94 Total 53, 417 83, 640 46, 391 183, 448 45, 630 49, 843 35, 311 130, 784 576, 30 All Areas (Tables 2a, 2b) Scrod 66, 215 82, 006 61, 357 209, 578 32, 690 30, 989 20, 465 84, 144 555, 98 Carde 43, 225 29, 551 33, 726 106, 502 34, 142 37, 757 31, 814 103, 713 522, 75	Scrod	28,795	15, 147	27,627	71,569	9,185	3,016	3,129	15,330	144, 425
Southeast Part (M) Serod 3,588 986 555 5,129 2,587 6,275 2,251 11,113 71,115 Large 855 650 83 1,588 1,107 2,767 1,536 5,410 66,96 Total 4,443 1,636 638 6,717 3,694 9,042 3,787 16,523 138,00 West Channel (G) Scrod 24,090 49,398 16,646 90,134 10,621 8,755 6,731 26,107 153,15 Large 15,288 13,786 10,378 39,452 9,592 8,599 7,937 26,128 118,28 Total 39,378 63,184 27,024 129,586 20,213 17,354 14,668 52,235 271,44 East Channel (H) Scrod 5,272 12,748 8,576 26,596 6,502 9,682 5,650 21,834 102,88 Large 6,082 5,713 8,060 19,855 16,105 20,938 13,092 50,135 149,72 Total 11,354 18,461 16,636 46,451 22,607 30,620 18,742 71,969 252,60 Southwest Part (N) Scrod 491 588 1,079 526 425 708 1,659 16,41 Large 357 69 426 231 492 1,149 1,872 15,86 Total 848 657 1,505 757 917 1,857 3,531 32,26 Nantucket (O) Scrod 1,158 1,710 1,469 4,337 1,328 412 32 1,772 11,82 Large 182 218 235 635 466 216 12 694 4,92 Total 1,340 1,928 1,704 4,972 1,794 628 44 2,466 16,74 Southern N. E. (Q,R,S,T) Scrod 56 28 207 291 136 230 366 1,08 Large 441 39 163 643 123 94 217 2,16 Total 497 67 370 934 259 324 583 3,25 Summaries: 5Z, EE. Georges (J,M) Scrod 32,383 16,133 28,182 76,698 11,772 9,291 5,380 26,443 215,57 Large 13,323 6,450 7,897 27,670 5,363 5,666 6,921 17,890 153,16 Total 45,706 22,583 36,079 104,368 17,135 14,897 12,301 44,333 366,73 5Z, WW. Georges (G,H,N,O,Q,R,S,T) Scrod 32,383 16,133 28,182 76,698 11,772 9,291 5,380 26,443 215,57 Large 22,350 19,756 18,906 61,011 26,517 30,339 22,190 79,046 290,94 Total 53,417 83,640 46,391 183,448 45,630 49,843 35,311 130,784 576,30 All Areas (Tables 2a, 2b) Scrod 66,215 82,006 61,357 209,578 32,690 30,989 20,465 84,144 555,98 Scrod 66,215 82,006 61,357 209,578 32,690 30,989 20,465 84,144 555,98 Scrod 66,215 82,006 61,357 209,578 32,690 30,989 20,465 84,144 555,98 Scrod 66,215 82,006 61,357 209,578 32,690 30,989 20,465 84,144 555,98 Scrod 66,215 82,006 61,357 209,578 32,690 30,989 20,465 84,144 555,98 Scrod 66,215 82,006 61,357 209,578 32,690 30,989 20,465 84,144 555,98	Large	12,468	5,800	7,814	26,082	4,256	2,839	5,385	12,480	86,253
Scrod 3,588 986 555 5,129 2,587 6,275 2,251 11,113 71,15 Large 855 650 83 1,588 1,107 2,767 1,536 5,410 66,96 Total 4,443 1,636 638 6,717 3,694 9,042 3,787 16,523 138,00 West Channel (G) Scrod 24,090 49,398 16,646 90,134 10,621 8,755 6,731 26,107 153,15 Large 15,288 13,786 10,378 39,452 9,592 8,599 7,937 26,128 118,25 Total 39,378 63,184 27,024 129,586 20,213 17,354 14,668 52,235 271,44 East Channel (H) Scrod 5,272 12,748 8,576 26,596 6,502 9,682 5,650 21,834 102,88 Large 6,082 5,713 8,060 19,855 16,105 20,938 13,092 50,135 149,77 Total 11,354 18,461 16,636 46,451 22,607 30,620 18,742 71,969 252,60 Southwest Part (N) Scrod 491 588 1,079 526 425 708 1,659 16,41 Large 357 69 426 231 492 1,149 1,872 15,88 Total 848 657 1,505 757 917 1,857 3,531 32,26 Nantucket (O) Scrod 1,158 1,710 1,469 4,337 1,328 412 32 1,772 11,82 Large 182 218 235 635 466 216 12 694 4,92 Total 1,340 1,928 1,704 4,972 1,794 628 44 2,466 16,74 Southern N. E. (Q, R, S, T) Scrod 56 28 207 291 136 230 366 1,08 Large 441 39 163 643 123 94 217 2,16 Total 497 67 370 934 259 324 583 3,25 Summaries: 5Z, EE. Georges (J, M) Scrod 32,383 16,133 28,182 76,698 17,772 9,291 5,380 26,443 215,57 Alarge 13,323 6,450 7,897 27,670 5,363 5,606 6,921 17,890 153,16 Total 45,706 22,583 36,079 104,368 17,135 14,897 12,301 44,333 368,73 5Z, WW. Georges (G, H, N, O, Q, R, S, T) Scrod 31,067 63,884 27,486 122,437 19,113 19,504 13,121 51,738 285,36 Total 53,417 83,640 46,391 183,448 45,630 49,843 35,311 130,784 576,30 All Areas (Tables 2a, 2b) Scrod 66,215 82,006 61,357 209,578 32,690 30,989 20,465 84,144 555,98 Scrod 66,215 82,006 61,357 209,578 32,690 30,989 20,465 84,144 555,98 Scrod 66,215 82,006 61,357 209,578 32,690 30,989 20,465 84,144 555,98	Total	41,263	20,947	35, 441	97,651	13,441	5,855	8,514	27,810	230,678
Large	Southeast Part	(M)								
West Channel (G) Scrod 24,090 49,398 16,646 90,134 10,621 8,755 6,731 26,107 153,15 Large 15,288 13,786 10,378 39,452 9,592 8,599 7,937 26,128 118,28 Total 39,378 63,184 27,024 129,586 20,213 17,354 14,668 52,235 271,448 East Channel (H) Scrod 5,272 12,748 8,576 26,596 6,502 9,682 5,650 21,834 102,88 Large 6,082 5,713 8,060 19,855 16,105 20,938 13,092 50,135 149,77 Total 11,354 18,461 16,636 46,451 22,607 30,620 18,742 71,969 252,66 Southwest Part (N) Scrod 491 588 1,079 526 425 708 1,659 16,44 Large 357 69 426 231 492 1,149 1,872 15,84 Total 848 657 1,505 757 917 1,857 3,531 32,26 Nantucket (O) Scrod 1,158 1,710 1,469 4,337 1,328 412 32 1,772 11,82 Large 182 218 235 635 466 216 12 694 4,92 Total 1,340 1,928 1,704 4,972 1,794 628 44 2,466 16,74 Southern N. E. (Q,R,S,T) Scrod 56 28 207 291 136 230 366 1,08 Large 441 39 163 643 123 94 217 2,16 Total 497 67 370 934 259 324 583 3,25 Summaries: 5Z, EE. Georges (J, M) Scrod 32,383 16,133 28,182 76,698 11,772 9,291 5,380 26,443 215,57 Total 45,706 22,583 36,079 104,368 17,135 14,897 12,301 44,333 368,73 5Z, WW. Georges (G, H, N, O, Q, R, S, T) Scrod 31,067 63,884 27,486 122,437 19,113 19,504 13,121 51,738 285,36 Total 53,417 83,640 46,391 183,448 45,630 49,843 35,311 130,784 576,30 All Areas (Tables 2a, 2b) Scrod 66,215 82,006 61,357 209,578 32,690 30,989 20,465 84,144 555,98 Scrod 66,215 82,006 61,357 209,578 32,690 30,989 20,465 84,144 555,98 Scrod 66,215 82,006 61,357 209,578 32,690 30,989 20,465 84,144 555,98 Scrod 66,215 82,006 61,357 209,578 32,690 30,989 20,465 84,144 555,98 Scrod 66,215 82,006 61,357 209,578 32,690 30,989 20,465 84,144 555,98 Scrod 66,215 82,006 61,357 209,578 32,690 30,989 20,465 84,144 555,98 Scrod 66,215 82,006 61,357 209,578 32,690 30,989 20,465 84,144 555,98 Scrod 66,215 82,006 61,357 209,578 32,690 30,989 20,465 84,144 555,98	Serod	3,588	986	555	5,129	2,587	6,275	2,251	11,113	71,153
West Channel (G) Scrod 24,090 49,398 16,646 90,134 10,621 8,755 6,731 26,107 153,15 Large 15,288 13,786 10,378 39,452 9,592 8,599 7,937 26,128 118,28 Total 39,378 63,184 27,024 129,586 20,213 17,354 14,668 52,235 271,44 East Channel (H) Scrod 5,272 12,748 8,576 26,596 6,502 9,682 5,650 21,834 102,88 Large 6,082 5,713 8,060 19,855 16,105 20,938 13,092 50,135 149,77 Total 11,354 18,461 16,636 46,451 22,607 30,620 18,742 71,969 252,66 Southwest Part (N) Scrod 491 588 1,079 526 425 708 1,659 16,41 Large 357 69 426 231 492 1,149 1,872 15,84 Total 848 657 1,505 757 917 1,857 3,531 32,26 Nantucket (O) Scrod 1,158 1,710 1,469 4,337 1,328 412 32 1,772 11,82 Large 182 218 235 635 466 216 12 694 4,92 Total 1,340 1,928 1,704 4,972 1,794 628 44 2,466 16,74 Southern N. E. (Q,R,S,T) Scrod 56 28 207 291 136 230 366 1,08 Large 441 39 163 643 123 94 217 2,16 Total 497 67 370 934 259 324 583 3,25 Summaries: 5Z, EE. Georges (J,M) Scrod 32,383 16,133 28,182 76,698 11,772 9,291 5,380 26,443 215,57 Total 45,706 22,583 36,079 104,368 17,135 14,897 12,301 44,333 368,73 5Z, WW. Georges (G,H,N,O,Q,R,S,T) Scrod 31,067 63,884 27,486 122,437 19,113 19,504 13,121 51,738 285,36 Large 22,350 19,756 18,905 61,011 26,517 30,339 22,190 79,046 290,94 Total 53,417 83,640 46,391 183,448 45,630 49,843 35,311 130,784 576,30 All Areas (Tables 2a, 2b) Scrod 66,215 82,006 61,357 209,578 32,690 30,989 20,465 84,144 555,98 Scrod 66,215 82,006 61,357 209,578 32,690 30,989 20,465 84,144 555,98 Scrod 66,215 82,006 61,357 209,578 32,690 30,989 20,465 84,144 555,98 Scrod 66,215 82,006 61,357 209,578 32,690 30,989 20,465 84,144 555,98 Scrod 66,215 82,006 61,357 209,578 32,690 30,989 20,465 84,144 555,98 Scrod 66,215 82,006 61,357 209,578 32,690 30,989 20,465 84,144 555,98 Scrod 66,215 82,006 61,357 209,578 32,690 30,989 20,465 84,144 555,98 Scrod 66,225 82,006 61,357 209,578 32,690 30,989 20,465 84,144 555,98 Scrod 66,225 82,006 61,357 209,578 32,690 30,989 20,465 84,144 555,98	Large								5,410	66,90
Scrod 24,090 49,398 16,646 90,134 10,621 8,755 6,731 26,107 153,18 Large 15,288 13,786 10,378 39,452 9,592 8,599 7,937 26,128 118,28 Total 39,378 63,184 27,024 129,586 20,213 17,354 14,668 52,235 271,44 East Channel (H) Scrod 5,272 12,748 8,576 26,596 6,502 9,682 5,650 21,834 102,88 Large 6,082 5,713 8,060 19,855 16,105 20,938 13,092 50,135 149,72 Total 11,354 18,461 16,636 46,451 22,607 30,620 18,742 71,969 252,60 Scrod 491 588 1,079 526 425 708 1,659 16,41 Large 357 69 426 231 492 1,149 1,872 15,84 Total 848 657 1,505 757 917 1,857 3,531 32,26 Nantucket (O) Scrod 1,158 1,710 1,469 4,337 1,328 412 32 1,772 11,82 Large 182 218 235 635 466 216 12 694 4,92 Total 1,340 1,928 1,704 4,972 1,794 628 44 2,466 16,74 Southern N. E. (Q,R,S,T) Scrod 56 28 207 291 136 230 366 1,08 Large 441 39 163 643 123 94 217 2,16 Total 497 67 370 934 259 324 583 3,25 Summaries: 5Z, EE. Georges (J,M) Scrod 32,383 16,133 28,182 76,698 11,772 9,291 5,380 26,443 215,57 Large 13,323 6,450 7,897 27,670 5,363 5,606 6,921 17,890 153,16 Total 45,706 22,583 36,079 104,368 17,135 14,897 12,301 44,333 368,73 5Z, WW. Georges (G,H,N,O,Q,R,S,T) Scrod 31,067 63,884 27,486 122,437 19,113 19,504 13,121 51,738 285,36 Large 22,350 19,756 18,905 61,011 26,517 30,339 22,190 79,046 290,94 Total 53,417 83,640 46,391 183,448 45,630 49,843 35,311 130,784 576,30 All Areas (Tables 2a, 2b) Scrod 66,215 82,006 61,357 209,578 32,690 30,989 20,465 84,144 555,98 Large 43,225 29,551 33,726 106,502 34,142 37,757 31,814 103,713 522,75	Total	4,443	1,636	638	6,717	3,694	9,042	3,787	16,523	138,060
Large 15, 288 13, 786 10, 378 39, 452 9, 592 8, 599 7, 937 26, 128 118, 24 Total 39, 378 63, 184 27, 024 129, 586 20, 213 17, 354 14, 668 52, 235 271, 44 East Channel (H)	West Channel (
East Channel (H) Scrod 5,272 12,748 8,576 26,596 6,502 9,682 5,650 21,834 102,88 Large 6,082 5,713 8,060 19,855 16,105 20,938 13,092 50,135 149,72 Total 11,354 18,461 16,636 46,451 22,607 30,620 18,742 71,969 252,66	Scrod	24,090	49,398	16,646	90,134	10,621	8,755	6,731	26,107	153,15
East Channel (H) Scrod 5,272 12,748 8,576 26,596 6,502 9,682 5,650 21,834 102,88 Large 6,082 5,713 8,060 19,855 16,105 20,938 13,092 50,135 149,73 Total 11,354 18,461 16,636 46,451 22,607 30,620 18,742 71,969 252,60 Southwest Part (N) Scrod 491 588 1,079 526 425 708 1,659 16,41 Large 357 69 426 231 492 1,149 1,872 15,84 Total 848 657 1,505 757 917 1,857 3,531 32,26 Nantucket (O) Scrod 1,158 1,710 1,469 4,337 1,328 412 32 1,772 11,82 Large 182 218 235 635 466 216 12 694 4,92 Total 1,340 1,928 1,704 4,972 1,794 628 44 2,466 16,74 Southern N. E. (Q, R, S, T) Scrod 56 28 207 291 136 230 366 1,08 Large 441 39 163 643 123 94 217 2,16 Total 497 67 370 934 259 324 583 3,25 Summaries: 5Z, EE. Georges (J, M) Scrod 32,383 16,133 28,182 76,698 11,772 9,291 5,380 26,443 215,57 Large 13,323 6,450 7,897 27,670 5,363 5,606 6,921 17,890 153,16 Total 45,706 22,583 36,079 104,368 17,135 14,897 12,301 44,333 368,73 5Z, WW. Georges (G, H, N, O, Q, R, S, T) Scrod 31,067 63,884 27,486 122,437 19,113 19,504 13,121 51,738 285,36 Large 22,350 19,756 18,905 61,011 26,517 30,339 22,190 79,046 290,94 Total 53,417 83,640 46,391 183,448 45,630 49,843 35,311 130,784 576,30 All Areas (Tables 2a, 2b) Scrod 66,215 82,006 61,357 209,578 32,690 30,989 20,465 84,144 555,98 Large 43,225 29,551 33,726 106,502 34,142 37,757 31,814 103,713 522,75	Large	15,288	13,786	10,378	39,452	9,592	8,599	7,937	26,128	118,289
Scrod 5,272 12,748 8,576 26,596 6,502 9,682 5,650 21,834 102,885 Large 6,082 5,713 8,060 19,855 16,105 20,938 13,092 50,135 149,775 Total 11,354 18,461 16,636 46,451 22,607 30,620 18,742 71,969 252,667 Southwest Part (N) Scrod 491 588 1,079 526 425 708 1,659 16,41 Large 357 69 426 231 492 1,149 1,872 15,84 Total 848 657 1,505 757 917 1,857 3,531 32,265 Nantucket (O) Scrod 1,158 1,710 1,469 4,337 1,328 412 32 1,772 11,825 Large 182 218 235 635 466 216 12 694 4,92 Total 1,340 1,928 1,704 4,972 1,794 628 44 2,466 16,74 Southern N. E. (Q,R,S,T) Scrod 56 28 207 291 136 230 366 1,085 Large 441 39 163 643 123 94 217 2,166 Total 497 67 370 934 259 324 583 3,25 Summaries: 5Z, EE. Georges (J,M) Scrod 32,383 16,133 28,182 76,698 11,772 9,291 5,380 26,443 215,57 Large 13,323 6,450 7,897 27,670 5,363 5,606 6,921 17,890 153,16 Total 45,706 22,583 36,079 104,368 17,135 14,897 12,301 44,333 368,73 52, WW. Georges (G,H,N,O,Q,R,S,T) Scrod 31,067 63,884 27,486 122,437 19,113 19,504 13,121 51,738 285,36 Large 22,350 19,756 18,905 61,011 26,517 30,339 22,190 79,046 290,94 Total 53,417 83,640 46,391 183,448 45,630 49,843 35,311 130,784 576,30 All Areas (Tables 2a, 2b) Scrod 66,215 82,006 61,357 209,578 32,690 30,989 20,465 84,144 555,98 Large 43,225 29,551 33,726 106,502 34,142 37,757 31,814 103,713 522,75	Total	39,378	63,184	27,024	129,586	20,213	17,354	14,668	52,235	271,442
Large 6,082 5,713 8,060 19,855 16,105 20,938 13,092 50,135 149,72 Total 11,354 18,461 16,636 46,451 22,607 30,620 18,742 71,969 252,66 Southwest Part (N) Scrod 491 588 1,079 526 425 708 1,659 16,41 Large 357 69 426 231 492 1,149 1,872 15,84 Total 848 657 1,505 757 917 1,857 3,531 32,26 Nantucket (O) Scrod 1,158 1,710 1,469 4,337 1,328 412 32 1,772 11,82 Large 182 218 235 635 466 216 12 694 4,92 Total 1,340 1,928 1,704 4,972 1,794 628 44 2,466 16,74 Southern N. E. (Q,R,S,T) Scrod 56 28 207 291 136 230 366 1,08 Large 441 39 163 643 123 94 217 2,16 Total 497 67 370 934 259 324 583 3,25 Summaries: 5Z, EE. Georges (J,M) Scrod 32,383 16,133 28,182 76,698 11,772 9,291 5,380 26,443 215,57 Large 13,323 6,450 7,897 27,670 5,363 5,606 6,921 17,890 153,16 Total 45,706 22,583 36,079 104,368 17,135 14,897 12,301 44,333 368,73 5Z, WW. Georges (G,H,N,O,Q,R,S,T) Scrod 31,067 63,884 27,486 122,437 19,113 19,504 13,121 51,738 285,36 Large 22,350 19,756 18,905 61,011 26,517 30,339 22,190 79,046 290,94 Total 53,417 83,640 46,391 183,448 45,630 49,843 35,311 130,784 576,30 All Areas (Tables 2a, 2b) Scrod 66,215 82,006 61,357 209,578 32,690 30,989 20,465 84,144 555,98 Large 43,225 29,551 33,726 106,502 34,142 37,757 31,814 103,713 522,75	East Channel (F	· I)								
Total 11,354 18,461 16,636 46,451 22,607 30,620 18,742 71,969 252,66 Southwest Part (N) Scrod 491 588 1,079 526 425 708 1,659 16,41 Large 357 69 426 231 492 1,149 1,872 15,84 Total 848 657 1,505 757 917 1,857 3,531 32,26 Nantucket (O) Scrod 1,158 1,710 1,469 4,337 1,328 412 32 1,772 11,82 Large 182 218 235 635 466 216 12 694 4,92 Total 1,340 1,928 1,704 4,972 1,794 628 44 2,466 16,74 Southern N. E. (Q,R,S,T) Scrod 56 28 207 291 136 230 366 1,08 Large 441 39 163 643 123 94 217 2,16 Total 497 67 370 934 259 324 583 3,25 Summaries: 5Z, EE. Georges (J, M) Scrod 32,383 16,133 28,182 76,698 11,772 9,291 5,380 26,443 215,57 Total 45,706 22,583 36,079 104,368 17,135 14,897 12,301 44,333 368,73 5Z, WW. Georges (G,H,N,O,Q,R,S,T) Scrod 31,067 63,884 27,486 122,437 19,113 19,504 13,121 51,738 285,36 Large 22,350 19,756 18,905 61,011 26,517 30,339 22,190 79,046 290,94 Total 53,417 83,640 46,391 183,448 45,630 49,843 35,311 130,784 576,30 All Areas (Tables 2a, 2b) Scrod 66,215 82,006 61,357 209,578 32,690 30,989 20,465 84,144 555,98 Large 43,225 29,551 33,726 106,502 34,142 37,757 31,814 103,713 522,75	Scrod	5,272		8,576	26,596	6,502	9,682		21,834	102,886
Southwest Part (N) Scrod 491 588 1,079 526 425 708 1,659 16,41 Large 357 69 426 231 492 1,149 1,872 15,84 Total 848 657 1,505 757 917 1,857 3,531 32,26 Nantucket (O) Scrod 1,158 1,710 1,469 4,337 1,328 412 32 1,772 11,82 Large 182 218 235 635 466 216 12 694 4,92 Total 1,340 1,928 1,704 4,972 1,794 628 44 2,466 16,74 Southern N. E. (Q, R, S, T) Scrod 56 28 207 291 136 230 366 1,08 Large 441 39 163 643 123 94 217 2,16 Total 497 67 370 934 259 324 583 3,25 Summaries: 5Z, EE. Georges (J, M) Scrod 32,383 16,133 28,182 76,698 11,772 9,291 5,380 26,443 215,57 Large 13,323 6,450 7,897 27,670 5,363 5,606 6,921 17,890 153,16 Total 45,706 22,583 36,079 104,368 17,135 14,897 12,301 44,333 368,73 5Z, WW. Georges (G, H, N, O, Q, R, S, T) Scrod 31,067 63,884 27,486 122,437 19,113 19,504 13,121 51,738 285,36 Large 22,350 19,756 18,905 61,011 26,517 30,339 22,190 79,046 290,94 Total 53,417 83,640 46,391 183,448 45,630 49,843 35,311 130,784 576,30 All Areas (Tables 2a, 2b) Scrod 66,215 82,006 61,357 209,578 32,690 30,989 20,465 84,144 555,98 Large 43,225 29,551 33,726 106,502 34,142 37,757 31,814 103,713 522,75	Large	6,082	5,713		19,855	16,105	20,938	13,092	50,135	149,720
Serod 491 588 1,079 526 425 708 1,659 16,41 Large 357 69 426 231 492 1,149 1,872 15,84 Total 848 657 1,505 757 917 1,857 3,531 32,26 Nantucket (O) Scrod 1,158 1,710 1,469 4,337 1,328 412 32 1,772 11,82 Large 182 218 235 635 466 216 12 694 4,92 Total 1,340 1,928 1,704 4,972 1,794 628 44 2,466 16,74 Southern N. E. (Q,R,S,T) Scrod 56 28 207 291 136 230 366 1,08 Large 441 39 163 643 123 94 217 2,16 Total 497 67 370 934 259 324 583 3,25 Summaries: 5Z, EE. Georges (J, M) Scrod 32,383 16,133 28,182 76,698 11,772 9,291 5,380 26,443 215,57 Large 13,323 6,450 7,897 27,670 5,363 5,606 6,921 17,890 153,16 Total 45,706 22,583 36,079 104,368 17,135 14,897 12,301 44,333 368,73 5Z, WW. Georges (G,H,N,O,Q,R,S,T) Scrod 31,067 63,884 27,486 122,437 19,113 19,504 13,121 51,738 285,36 Large 22,350 19,756 18,905 61,011 26,517 30,339 22,190 79,046 299,94 Total 53,417 83,640 46,391 183,448 45,630 49,843 35,311 130,784 576,30 All Areas (Tables 2a, 2b) Scrod 66,215 82,006 61,357 209,578 32,690 30,989 20,465 84,144 555,98 Scrod 66,215 82,006 61,357 209,578 32,690 30,989 20,465 84,144 555,98 Scrod 66,215 82,006 61,357 209,578 32,690 30,989 20,465 84,144 555,98 Scrod 66,215 82,006 61,357 209,578 32,690 30,989 20,465 84,144 555,98 Scrod 66,215 82,006 61,357 209,578 32,690 30,989 20,465 84,144 555,98 Scrod 66,215 82,006 61,357 209,578 32,690 30,989 20,465 84,144 555,98 Scrod 66,215 82,006 61,357 209,578 32,690 30,989 20,465 84,144 555,98 Scrod 66,215 82,006 61,357 209,578 32,690 30,989 20,465 84,144 555,98 Scrod 66,215 82,006 61,357 209,578 32,690 30,989 20,465 84,144 555,98 Scrod 66,215 82,006 61,357 209,578 32,690 30,989 20,465 84,144 555,98 Scrod 66,215 82,006 61,357 209,578 32,690 30,989 20,465 84,144 555,98 Scrod 66,215 82,006 61,357 209,578 32,690 30,989 20,465 84,144 555,98 Scrod 66,215 82,006 61,357 209,578 32,690 30,989 20,465 84,144 555,98 Scrod 66,215 82,006 61,357 209,578 32,690 30,989 20,465 84,144 555,98 Scrod 66,215 82,006 61,357 209,578 32,690 30	Total	11,354	18,461	16,636	46,451	22,607	30,620	18,742	71,969	252,606
Large 357 69 426 231 492 1,149 1,872 15,84 Total 848 657 1,505 757 917 1,857 3,531 32,26 Nantucket (O) Scrod 1,158 1,710 1,469 4,337 1,328 412 32 1,772 11,82 Large 182 218 235 635 466 216 12 694 4,92 Total 1,340 1,928 1,704 4,972 1,794 628 44 2,466 16,74 Southern N. E. (Q,R,S,T) Scrod 56 28 207 291 136 230 366 1,08 Large 441 39 163 643 123 94 217 2,16 Total 497 67 370 934 259 324 583 3,25 Summaries: 5Z, EE. Georges (J,M) Scrod 32,383 16,133 28,182 76,698 11,772 9,291 5,380 26,443 215,57 Large 13,323 6,450 7,897 27,670 5,363 5,606 6,921 17,890 153,16 Total 45,706 22,583 36,079 104,368 17,135 14,897 12,301 44,333 368,73 5Z, WW. Georges (G,H,N,O,Q,R,S,T) Scrod 31,067 63,884 27,486 122,437 19,113 19,504 13,121 51,738 285,36 Large 22,350 19,756 18,905 61,011 26,517 30,339 22,190 79,046 290,94 Total 53,417 83,640 46,391 183,448 45,630 49,843 35,311 130,784 576,30 All Areas (Tables 2a, 2b) Scrod 66,215 82,006 61,357 209,578 32,690 30,989 20,465 84,144 555,98 Large 43,225 29,551 33,726 106,502 34,142 37,757 31,814 103,713 522,75	Southwest Part	(N)								
Nantucket (O) Scrod	Scrod	491		588	1,079	526	425	708	1,659	16,419
Nantucket (O) Scrod		357				_	492	1,149	1,872	15,848
Scrod 1,158 1,710 1,469 4,337 1,328 412 32 1,772 11,82 Large 182 218 235 635 466 216 12 694 4,92 Total 1,340 1,928 1,704 4,972 1,794 628 44 2,466 16,74 Southern N. E. (Q,R,S,T) Scrod 56 28 207 291 136 230 366 1,08 Large 441 39 163 643 123 94 217 2,16 Total 497 67 370 934 259 324 583 3,25 Summaries: 5Z, EE. Georges (J, M) Scrod 32,383 16,133 28,182 76,698 11,772 9,291 5,380 26,443 215,57 Large 13,323 6,450 7,897 27,670 5,363 5,606 6,921 17,890 153,16 Total 45,706 22,583 36,079 104,368 17,135 14,897 12,301 44,333 368,73 5Z, WW. Georges (G,H,N,O,Q,R,S,T) Scrod 31,067 63,884 27,486 122,437 19,113 19,504 13,121 51,738 285,36 Large 22,350 19,756 18,905 61,011 26,517 30,339 22,190 79,046 290,94 Total 53,417 83,640 46,391 183,448 45,630 49,843 35,311 130,784 576,30 All Areas (Tables 2a, 2b) Scrod 66,215 82,006 61,357 209,578 32,690 30,989 20,465 84,144 555,98 Large 43,225 29,551 33,726 106,502 34,142 37,757 31,814 103,713 522,75	Total	848		657	1,505	7 5 7	917	1,857	3,531	32,264
Large Total 1,340 1,928 1,704 4,972 1,794 628 44 2,466 16,74 Southern N. E. (Q,R,S,T) Scrod 56 28 207 291 136 230 366 1,08 Large 441 39 163 643 123 94 217 2,16 Total 497 67 370 934 259 324 583 3,25 Summaries: 5Z, EE. Georges (J,M) Scrod 32,383 16,133 28,182 76,698 11,772 9,291 5,380 26,443 215,57 Large 13,323 6,450 7,897 27,670 5,363 5,606 6,921 17,890 153,16 Total 45,706 22,583 36,079 104,368 17,135 14,897 12,301 44,333 368,73 5Z, WW. Georges (G,H,N,O,Q,R,S,T) Scrod 31,067 63,884 27,486 122,437 19,113 19,504 13,121 51,738 285,36 Large 22,350 19,756 18,905 61,011 26,517 30,339 22,190 79,046 290,94 Total 53,417 83,640 46,391 183,448 45,630 49,843 35,311 130,784 576,30 All Areas (Tables 2a, 2b) Scrod 66,215 82,006 61,357 209,578 32,690 30,989 20,465 84,144 555,98 Large 43,225 29,551 33,726 106,502 34,142 37,757 31,814 103,713 522,75	Nantucket (O)									
Total 1,340 1,928 1,704 4,972 1,794 628 44 2,466 16,74 Southern N. E. (Q,R,S,T) Scrod 56 28 207 291 136 230 366 1,08 Large 441 39 163 643 123 94 217 2,16 Total 497 67 370 934 259 324 583 3,25 Summaries: 5Z, EE. Georges (J,M) Scrod 32,383 16,133 28,182 76,698 11,772 9,291 5,380 26,443 215,57 Large 13,323 6,450 7,897 27,670 5,363 5,606 6,921 17,890 153,16 Total 45,706 22,583 36,079 104,368 17,135 14,897 12,301 44,333 368,73 5Z, WW. Georges (G,H,N,O,Q,R,S,T) Scrod 31,067 63,884 27,486 122,437 19,113 19,504 13,121 51,738 285,36 Large 22,350 19,756 18,905 61,011 26,517 30,339 22,190 79,046 290,94 Total 53,417 83,640 46,391 183,448 45,630 49,843 35,311 130,784 576,30 All Areas (Tables 2a, 2b) Scrod 66,215 82,006 61,357 209,578 32,690 30,989 20,465 84,144 555,98 Large 43,225 29,551 33,726 106,502 34,142 37,757 31,814 103,713 522,75	Scrod	1,158	,	,		1,328	412		1,772	11,822
Southern N. E. (Q, R, S, T) Scrod 56 28 207 291 136 230 366 1,08 Large 441 39 163 643 123 94 217 2,16 Total 497 67 370 934 259 324 583 3,25 Summaries: 5Z, EE. Georges (J, M) Scrod 32,383 16,133 28,182 76,698 11,772 9,291 5,380 26,443 215,57 Large 13,323 6,450 7,897 27,670 5,363 5,606 6,921 17,890 153,16 Total 45,706 22,583 36,079 104,368 17,135 14,897 12,301 44,333 368,73 5Z, WW. Georges (G, H, N, O, Q, R, S, T) Scrod 31,067 63,884 27,486 122,437 19,113 19,504 13,121 51,738 285,36 Large 22,350 19,756 18,905 61,011 26,517 30,339 22,190 79,046 290,94 Total 53,417 83,640 46,391 183,448 45,630 49,843 35,311 130,784 576,30 All Areas (Tables 2a, 2b) Scrod 66,215 82,006 61,357 209,578 32,690 30,989 20,465 84,144 555,98 Large 43,225 29,551 33,726 106,502 34,142 37,757 31,814 103,713 522,75										4,924
Scrod 56 28 207 291 136 230 366 1,08 Large 441 39 163 643 123 94 217 2,16 Total 497 67 370 934 259 324 583 3,25 Summaries: 5Z, EE. Georges (J, M) Scrod 32,383 16,133 28,182 76,698 11,772 9,291 5,380 26,443 215,57 Large 13,323 6,450 7,897 27,670 5,363 5,606 6,921 17,890 153,16 Total 45,706 22,583 36,079 104,368 17,135 14,897 12,301 44,333 368,73 5Z, WW. Georges (G,H,N,O,Q,R,S,T) Scrod 31,067 63,884 27,486 122,437 19,113 19,504 13,121 51,738 285,36 Large 22,350 19,756 18,905 61,011 26,517 30,339 22,190 79,046 290,94 Total 53,417 83,640 46,391 183,448 45,630 49,843 35,311 130,784 576,30 All Areas (Tables 2a, 2b) Scrod 66,215 82,006 61,357 209,578 32,690 30,989 20,465 84,144 555,98 Large 43,225 29,551 33,726 106,502 34,142 37,757 31,814 103,713 522,75	Total	1,340	1,928	1,704	4,972	1,794	628	44	2,466	16,746
Large 441 39 163 643 123 94 217 2,16 Total 497 67 370 934 259 324 583 3,25 Summaries: 5Z, EE. Georges (J, M) Scrod 32,383 16,133 28,182 76,698 11,772 9,291 5,380 26,443 215,57 Large 13,323 6,450 7,897 27,670 5,363 5,606 6,921 17,890 153,16 Total 45,706 22,583 36,079 104,368 17,135 14,897 12,301 44,333 368,73 5Z, WW. Georges (G,H,N,O,Q,R,S,T) Scrod 31,067 63,884 27,486 122,437 19,113 19,504 13,121 51,738 285,36 Large 22,350 19,756 18,905 61,011 26,517 30,339 22,190 79,046 290,94 Total 53,417 83,640 46,391 183,448 45,630 49,843 35,311 130,784 576,30 All Areas (Tables 2a, 2b) Scrod 66,215 82,006 61,357 209,578 32,690 30,989 20,465 84,144 555,98 Large 43,225 29,551 33,726 106,502 34,142 37,757 31,814 103,713 522,75										
Total 497 67 370 934 259 324 583 3,25 Summaries: 5Z, EE. Georges (J, M) Scrod 32,383 16,133 28,182 76,698 11,772 9,291 5,380 26,443 215,57 Large 13,323 6,450 7,897 27,670 5,363 5,606 6,921 17,890 153,16 Total 45,706 22,583 36,079 104,368 17,135 14,897 12,301 44,333 368,73 5Z, WW. Georges (G, H, N, O, Q, R, S, T) Scrod 31,067 63,884 27,486 122,437 19,113 19,504 13,121 51,738 285,36 Large 22,350 19,756 18,905 61,011 26,517 30,339 22,190 79,046 290,94 Total 53,417 83,640 46,391 183,448 45,630 49,843 35,311 130,784 576,30 All Areas (Tables 2a, 2b) Scrod 66,215 82,006 61,357 209,578 32,690 30,989 20,465 84,144 555,98 Large 43,225 29,551 33,726 106,502 34,142 37,757 31,814 103,713 522,75										1,087
Summaries: 5Z, EE. Georges (J, M) Scrod 32,383 16,133 28,182 76,698 11,772 9,291 5,380 26,443 215,57 Large 13,323 6,450 7,897 27,670 5,363 5,606 6,921 17,890 153,16 Total 45,706 22,583 36,079 104,368 17,135 14,897 12,301 44,333 368,73 5Z, WW. Georges (G,H,N,O,Q,R,S,T) Scrod 31,067 63,884 27,486 122,437 19,113 19,504 13,121 51,738 285,36 Large 22,350 19,756 18,905 61,011 26,517 30,339 22,190 79,046 290,94 Total 53,417 83,640 46,391 183,448 45,630 49,843 35,311 130,784 576,30 All Areas (Tables 2a, 2b) Scrod 66,215 82,006 61,357 209,578 32,690 30,989 20,465 84,144 555,98 Large 43,225 29,551 33,726 106,502 34,142 37,757 31,814 103,713 522,75	0									2,164
5Z, EE. Georges (J, M) Scrod 32,383 16,133 28,182 76,698 11,772 9,291 5,380 26,443 215,57 Large 13,323 6,450 7,897 27,670 5,363 5,606 6,921 17,890 153,16 Total 45,706 22,583 36,079 104,368 17,135 14,897 12,301 44,333 368,73 5Z, WW. Georges (G, H, N, O, Q, R, S, T) Scrod 31,067 63,884 27,486 122,437 19,113 19,504 13,121 51,738 285,36 Large 22,350 19,756 18,905 61,011 26,517 30,339 22,190 79,046 290,94 Total 53,417 83,640 46,391 183,448 45,630 49,843 35,311 130,784 576,30 All Areas (Tables 2a, 2b) Scrod 66,215 82,006 61,357 209,578 32,690 30,989 20,465 84,144 555,98 Large 43,225 29,551 33,726 106,502 34,142 37,757 31,814 103,713 522,75	Total	497	67	3 7 0	934	259	324		583	3,251
Scrod 32,383 16,133 28,182 76,698 11,772 9,291 5,380 26,443 215,57 Large 13,323 6,450 7,897 27,670 5,363 5,606 6,921 17,890 153,16 Total 45,706 22,583 36,079 104,368 17,135 14,897 12,301 44,333 368,73 5Z, WW. Georges (G,H,N,O,Q,R,S,T) Scrod 31,067 63,884 27,486 122,437 19,113 19,504 13,121 51,738 285,36 Large 22,350 19,756 18,905 61,011 26,517 30,339 22,190 79,046 290,94 Total 53,417 83,640 46,391 183,448 45,630 49,843 35,311 130,784 576,30 All Areas (Tables 2a, 2b) Scrod 66,215 82,006 61,357 209,578 32,690 30,989 20,465 84,144 555,98 Large 43,225 29,551 33,726 106,502 34,142 37,757 31,814 103,713 522,75	Summaries:	Coopers /I	Μ.)							
Large 13,323 6,450 7,897 27,670 5,363 5,606 6,921 17,890 153,16 Total 45,706 22,583 36,079 104,368 17,135 14,897 12,301 44,333 368,73 5Z, WW. Georges (G,H,N,O,Q,R,S,T) Scrod 31,067 63,884 27,486 122,437 19,113 19,504 13,121 51,738 285,36 Large 22,350 19,756 18,905 61,011 26,517 30,339 22,190 79,046 290,94 Total 53,417 83,640 46,391 183,448 45,630 49,843 35,311 130,784 576,30 All Areas (Tables 2a, 2b) Scrod 66,215 82,006 61,357 209,578 32,690 30,989 20,465 84,144 555,98 Large 43,225 29,551 33,726 106,502 34,142 37,757 31,814 103,713 522,75				28 182	76 698	11 779	9 291	5 380	26 443	215 578
Total 45,706 22,583 36,079 104,368 17,135 14,897 12,301 44,333 368,73 5Z, WW. Georges (G,H,N,O,Q,R,S,T) Scrod 31,067 63,884 27,486 122,437 19,113 19,504 13,121 51,738 285,36 Large 22,350 19,756 18,905 61,011 26,517 30,339 22,190 79,046 290,94 Total 53,417 83,640 46,391 183,448 45,630 49,843 35,311 130,784 576,30 All Areas (Tables 2a, 2b) Scrod 66,215 82,006 61,357 209,578 32,690 30,989 20,465 84,144 555,98 Large 43,225 29,551 33,726 106,502 34,142 37,757 31,814 103,713 522,75								•	•	,
Scrod 31,067 63,884 27,486 122,437 19,113 19,504 13,121 51,738 285,36 Large 22,350 19,756 18,905 61,011 26,517 30,339 22,190 79,046 290,94 Total 53,417 83,640 46,391 183,448 45,630 49,843 35,311 130,784 576,30 All Areas (Tables 2a, 2b) Scrod 66,215 82,006 61,357 209,578 32,690 30,989 20,465 84,144 555,98 Large 43,225 29,551 33,726 106,502 34,142 37,757 31,814 103,713 522,75				•						
Scrod 31,067 63,884 27,486 122,437 19,113 19,504 13,121 51,738 285,36 Large 22,350 19,756 18,905 61,011 26,517 30,339 22,190 79,046 290,94 Total 53,417 83,640 46,391 183,448 45,630 49,843 35,311 130,784 576,30 All Areas (Tables 2a, 2b) Scrod 66,215 82,006 61,357 209,578 32,690 30,989 20,465 84,144 555,98 Large 43,225 29,551 33,726 106,502 34,142 37,757 31,814 103,713 522,75	57. W -W	Georges 10	HNOG	эвэт)					
Large 22,350 19,756 18,905 61,011 26,517 30,339 22,190 79,046 290,94 Total 53,417 83,640 46,391 183,448 45,630 49,843 35,311 130,784 576,30 All Areas (Tables 2a, 2b) Scrod 66,215 82,006 61,357 209,578 32,690 30,989 20,465 84,144 555,98 Large 43,225 29,551 33,726 106,502 34,142 37,757 31,814 103,713 522,75						19 113	19 504	13 121	51 738	285 367
Total 53,417 83,640 46,391 183,448 45,630 49,843 35,311 130,784 576,30 All Areas (Tables 2a, 2b) Scrod 66,215 82,006 61,357 209,578 32,690 30,989 20,465 84,144 555,98 Large 43,225 29,551 33,726 106,502 34,142 37,757 31,814 103,713 522,75				-	-					
Scrod 66,215 82,006 61,357 209,578 32,690 30,989 20,465 84,144 555,98 Large 43,225 29,551 33,726 106,502 34,142 37,757 31,814 103,713 522,75	0		,	,			•	•	•	•
Scrod 66,215 82,006 61,357 209,578 32,690 30,989 20,465 84,144 555,98 Large 43,225 29,551 33,726 106,502 34,142 37,757 31,814 103,713 522,75	All Areas (Tabl	es 2a. 2b)								
Large 43,225 29,551 33,726 106,502 34,142 37,757 31,814 103,713 522,75				61.357	209.578	32.690	30.989	20.465	84.144	555, 989
								,		
	0					*				
		,	,	,	,	,	,	,	,	_, 0, . 1

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

Length (cm)	5Z East	5Z West	5Z Total
16	1		1
17	1		ī
18	î		ī
19	-		_
20	1		1
21	$\frac{1}{2}$		2
$\frac{22}{22}$	2 2 3	2	4
23	3	$\overline{2}$	5
$\frac{24}{24}$	7	5	12
25	10	11	21
26	21	18	39
$\frac{1}{27}$	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
Total	2,961	1,246	4,207

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

Season	5Y N Lengths		5Y Se Lengths		5Z I Lengths		5Z W Lengths	
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

Length		East			5Z West				
(cm.)	Scrod	Large	Total	Scrod	Large	Total	Scrod	Large	Total
33				16		16	16		16
4									
5	23		23	16		16	39		39
6	$\overline{23}$		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	1 35
2		51	51		23	23		74	74
3		38	38		16	16		54	54
4		76	76		8	8		84	84
Γotal	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

				,				C 77 . 00 - 4 . 1	
0			(T-1-1			Taka1			Total
(cm,)	Serod	Large	Total	Scrod	Large	Iotai	Seroa	Large	Total
Length (cm.) 37 8 9 40 1 2 3 4 5 6 7 8 9 50 1 2 3 4 5 6 7 8 9 60 1 2 3 4 5 6 7 8 9 70 1 2 3 4 5	116 174 116 463 636 926 984 1,157 1,099 1,041 868 463 405 231 58 116	104 104 104 228 290 560 436 581 705 622 747 498 415 519 249 455 250 311 145 187 83 83 41 21 41 62	Total 116 174 116 463 636 926 984 1,261 1,203 1,269 1,158 1,023 841 986 936 680 863 498 415 519 249 455 250 311 145 187 83 83 41 21 41 62	55 28 166 84 139 139 55 83 194 333 305 333 443 333 2194 166 166 249 193 222 194 85 28	11 11 11 33 45 123 223 157 179 256 156 255 255 178 134 167 78 45 134 67 78 45 11 45	Total 55 28 166 84 139 139 55 83 194 333 316 3444 476 333 377 317 389 323 428 449 377 449 340 206 158 134 167 78 134 67 78 134 167 78 134 167 11	55 28 166 200 313 255 518 719 1,120 1,317 1,462 1,432 1,484 1,201 795 599 571 397 307 309 222 194 85 28	115 115 115 261 290 605 559 804 862 801 1,003 653 670 774 427 613 384 478 223 321 150 161 86 32 86 84	Total 55 28 166 200 313 255 518 719 1,120 1,317 1,577 1,745 1,491 1,400 1,158 1,375 1,259 1,108 1,375 1,375 1,259 1,108 1,375 1,259 1,108 1,375 1,259 1,108 1,375 1,259 1,108 1,375 1,259 1,108 1,375 1,259 1,108 1,375 1,259 1,108 1,375 1,259 1,108 1,375 1,259 1,108 1,375 1,259 1,108 1,375 1,259 1,108 1,375 1,259 1,108 1,375 1,259 1,108 1,375 1,259 1,108 1,375 1,259 1,108 1,375 1,259
6					11	11		11	11
7					11	11		11	11
8		41	41					41	41
Total	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 $f_{\hbox{rom 5Z East}}$ and West, April 1956, in hundreds of fish

Length		Z East			Z West		5 <i>Z</i>		
(cm.)	Scrod	Large	Total	Scrod	Large	Total	Scrod	Large	Total
0.0				20		20	20		20
36 7				20		20	20		20
				41		41	41		41
8	7.1		74	61		61	135		135
9	74 49			346			395		395
40	$\frac{49}{49}$		4 9 4 9	$\frac{340}{407}$		$\begin{array}{c} 346 \\ 407 \end{array}$	456		456
1			173	346		346	519		519
2	173		149	3 4 6		366	515		515
3	149		198	163		163	361		361
4	$\begin{array}{c} 198 \\ 148 \end{array}$		148	183		183	331		331
5 6	$\begin{array}{c} 148 \\ 74 \end{array}$		$\begin{array}{c} 140 \\ 74 \end{array}$	488		488	562		562
7	246		246	244	9	253	490	9	499
			$\frac{240}{124}$	569	23	592	693	23	716
8 9	$\begin{array}{c} 124 \\ 124 \end{array}$	79	203	529	50	579	653	129	782
50	$\frac{124}{245}$	20	$\frac{203}{265}$	529	92	621	774	112	886
1	$\begin{array}{c} 245 \\ 74 \end{array}$	79	153	366	142	508	440	221	661
2	14		49	285	239	524	334	239	573
3		99	99	102	$\frac{233}{294}$	396	102	393	495
3 4	74	119	193	163	326	489	237	445	682
5	(4	78	78	103	295	397	102	373	475
6		59	59	122	294	416	122	353	475
7		79	7 9	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		$\frac{33}{20}$	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
2 3				20	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	5 5
3					14	14		14	14
4		20	20		1	1		21	21
5		3 0	20		5	5		5	5
6					9	9		9	9
								4 222	11,817
Total	1,850	1,107	2,957	5,634	3,226	{	3,860	3,860 7,484	3,860 7,484 4,333

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

Length	5.	Z East		5	Z West		,	5Z Total	
(cm.)	Scrod	Large	Total	Scrod	Large	Total	Scrod	Large	Total
Length (cm.) 33 4 5 6 7 8 9 40 1 2 3 4 5 6 7 8 9 60 1 2 3 4 5 6 7 8 9 70 1 2 3 4 5 6 7 8 9 8 9 1 2 3 4 5 6 7 8 9 8 9 1 2 3 4 5 6 7 8 9 8 9 7 1 2 3 4 5 6 7 8 9 8 9 7 1 2 3 4 5 6 7 8 9 8 9 7 1 2 3 4 5 6 7 8 9 8 9 7 1 2 3 4 5 6 7 8 9 8 9 7 1 2 3 4 5 6 7 8 9 8 9 7 1 2 3 4 5 6 7 8 9 8 9 7 1 2 3 4 5 6 7 8 9 8 9 7 1 2 3 4 5 6 7 8 9 8 9 7 1 2 3 4 5 6 7 8 9 8 9 7 1 2 3 4 5 6 7 8 9 8 9 8 1 2 3 4 5 6 7 8 9 8 9 8 1 2 3 4 5 6 7 8 9 8 9 8 1 2 3 4 5 6 7 8 9 8 8 9 8 9 8 9 8 9 8 9 8 9 8 9 8 9			Total 113 57 142 397 454 539 709 680 680 1,069 814 842 818 961 925 613 651 536 437 415 301 394 197 208 124 114 156 114 52 106 21 21 31 10 10			Total 21 21 149 256 383 682 852 1,001 1,305 991 1,114 1,007 656 986 1,218 1,252 1,398 1,429 1,571 1,345 1,061 1,018 959 818 730 673 644 388 359 308 296 285 251 205 217 171 108 125 91 80 23 17 6			Total 21
Total	9,579	4,132	13,711	16,083	10,455	26,538	25,662	14,587	40,249
	9,019	4,132	13, (11	10,083	10,455	40,538	25,002	14,001	40,449

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

Length		Z East		;	5Z West			Z Total	
(cm.)	Scrod	Large	Total	Scrod	Large	Total	Scrod	Large	Total
Length (cm.) 35 6 7 8 9 40 1 2 3 4 5 6 7 8 9 50 1 2 3 4 5 6 7 8 9 70 1 2 3 4 5 6 7 8 9 70 1 2 3 4 5 6 7 8	5 Scrod 44 22 311 222 467 956 1,002 600 578 1,046 578 868 778 823 778 400 511 200 67 67 444 22	Z East Large 27 27 93 173 253 479 559 624 491 439 173 187 106 80 40 27 67 	Total 44 22 311 222 467 956 1,002 600 578 1,046 578 895 805 916 951 653 990 759 691 558 483 173 209 106 80 40 27 67 27		33 33 33 33 33 33 142 175 510 794 894 1,338 1,162 1,346 1,145 902 677 685 535 460 443 468 309 267 276 284 301 192 142 42 109 8	Total 60 199 318 458 876 1,055 1,333 1,334 1,453 1,591 1,327 1,446 1,466 1,316 1,589 2,042 1,769 1,471 1,696 1,242 1,406 1,145 902 685 535 460 443 468 309 267 276 284 301 192 142 42 109 8 7 17 17 8 8	5 Scrod 104 221 629 680 1,343 2,011 2,335 1,934 2,031 2,637 1,872 2,281 2,211 1,997 2,192 1,932 1,486 777 425 147 104 22 20	Z Total Large 33 60 60 235 348 763 1,273 1,453 1,962 1,653 1,785 1,318 1,089 783 765 575 487 510 468 309 267 276 311 301 192 142 42 109 8 17 17 8 8	Total 104 221 629 680 1,343 2,011 2,335 1,934 2,031 2,637 1,905 2,341 2,271 2,232 2,540 2,695 2,759 2,230 2,387 1,800 1,889 1,318 1,111 803 765 575 487 510 468 309 267 276 311 301 192 142 42 109 8 17 17 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

		5Z East Scrod Large Total			5Z West			5Z Total			
(cm.)	Scrod	Large	Total	Scrod	Large	Total	Scrod	Large	Total		
29	16		16				1.0		1.6		
$\frac{32}{3}$	16		16	21		21	$\begin{array}{c} 16\\ 37\end{array}$		16		
	78		78						37		
4				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		
	345	495	840	$\frac{430}{426}$	$\frac{200}{247}$	673	771	742	1,513		
$\frac{1}{2}$	63		597								
		534		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		$\frac{31}{22}$	$\frac{31}{22}$		115	115		137			
9		6	6						137		
					101	101		107	107		
70		17	17		69	69		86	86		
1		6	6		55	5.5		61	61		
2		11	11		46	46		5 7	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		
otal	16,644	4,460	21,104	6,890	6,706	13,596	23, 534	11,166	34,700		

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

Length		Z East			5Z West		5Z Total			
(cm.)	Scrod	Large	Total	Scrod	Large	Total	Scrod	Large	Total	
33 4 5 6 7 8 9 40 1 2 3 4 5 6 7 8 9 60 1 2 3 4 5 6 7 8 9 70 1 2 3 4 5 6 7 8	29 58 88 204 467 672 1,372 1,518 1,753 1,606 1,928 1,402 1,285 1,578 1,139 1,256 1,110 409 321 234 29 29	4 18 36 151 258 329 431 495 570 415 463 271 182 2200 173 58 71 58 36 27 9 4 13 4 4	29 58 88 204 467 672 1,372 1,518 1,753 1,606 1,928 1,402 1,289 1,596 1,175 1,407 1,368 738 752 729 570 444 492 271 182 200 173 58 71 58 36 27 94 134 404 405 405 405 405 405 405 40	22 180 270 653 766 1,059 946 1,644 1,126 946 811 698 518 293 225 68 	10 15 18 40 74 64 60 98 128 283 218 302 408 529 558 628 599 431 461 2273 344 268 154 124 130 115 69 95 55 55 55 56 56 56 56 56 56 56 56 56 56	22 180 270 663 781 1,077 986 1,538 1,754 1,704 1,224 1,074 1,164 1,113 1,106 1,047 851 853 667 431 461 273 366 268 154 124 130 115 69 89 94 51 51 55 55 65 75 75 75 75 75 75 75 75 75 75 75 75 75	29 58 88 226 647 942 2,025 2,812 2,552 3,092 2,929 2,704 2,085 2,720 2,056 1,220 1,019 752 293 254 97 22	10 15 18 40 74 64 64 116 164 434 476 631 839 1,024 1,128 1,043 1,062 702 643 473 517 326 225 182 166 142 78 93 107 55 51 14 99 107 55 55 55 75 75 75 75 75 75 75 75 75 75	29 58 88 226 647 942 2,035 2,299 2,830 2,592 3,466 2,993 2,820 2,249 3,154 2,532 1,851 1,858 1,776 1,421 1,297 1,159 702 643 473 539 326 225 166 142 78 93 107 55 514 9 10 59 5	
Total	18,487	4,293	22,780	15,811	6,726	22,537	34,298	11,019	45,317	

22

Table 12.--Length composition of scrod and large haddock landed from 5Z East and West, September 1956, in hundreds of fish

Length	5	Z East			Z West			5Z Total	
(cm].)	Scrod	Large	Total	Scrod	Large	Total	Scrod	Large	Total
				51		C 1	E 1		C 1
34	0.1		9.1	51		51 	51 31		51 31
5	31		31		1.9	216	$\begin{array}{c} 31 \\ 267 \end{array}$	12	$\begin{array}{c} 31 \\ 279 \end{array}$
6	63		63 157	$\begin{array}{c} 204 \\ 204 \end{array}$	12	$\begin{array}{c} 210 \\ 204 \end{array}$	361	12	361
7 8	$\begin{array}{c} 157 \\ 376 \end{array}$		376	867		867	1,243		1,243
9	595		595	1,428		1,428	2,023		2,023
40	$\frac{595}{720}$		$\frac{393}{720}$	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	5 99	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 4		6	6		11	11		17 	17
5 6		6	 c						 c
6 7		0	6		1.9	1.9		6	6
8					12	12		12	12
9					12	12		12	12
 Γotal	8,891	1,797	10,688	34,979	5,390	40,369	43,870	7,187	51,057

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

	•								
Length		Z East			5Z West			Z Total	
(cm .)	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	0	322	874	0	874
9	1,103		1,103	579	3 	582	1,682 2,332	3	1,685 2,332
$\begin{array}{c} 40 \\ 1 \end{array}$	1,462 1,849	6	1,462 1,855	$870 \\ 1,401$		$870 \\ 1,401$	2, 332 3, 250	6	2, 332 3, 256
2	1,545		1,545	1,401	3	1,401	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	45 9	1,241 1,173
$\frac{1}{2}$	138 110	$\begin{array}{c} 299 \\ 312 \end{array}$	$\begin{array}{c} 437 \\ 422 \end{array}$	$\frac{451}{145}$	$\begin{array}{c} 285 \\ 415 \end{array}$	$736 \\ 560$	589 255	$\frac{584}{727}$	982
3	56	197	253	129	387	516	185	584	7 6 9
4	28	312	340	129	381	510	157	693	850
5		280	280	16	472	488	16	752	768
5 6		140	140	97	328	425	97	468	565
7	•	146	146		377	377		523	523
8		83	83		307	307		390	390
9		5 7	57		285	285		342	342
60		32	32		206	206		238	238
$\frac{1}{2}$		45	45 13		$\begin{array}{c} 176 \\ 128 \end{array}$	$\begin{array}{c} 176 \\ 128 \end{array}$		$\frac{221}{141}$	$\frac{221}{141}$
3		13 6	. 13		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 1.6
70					16	16		$\begin{array}{c} 16 \\ 36 \end{array}$	$\begin{array}{c} 16 \\ 36 \end{array}$
1					36 41	36 41		41	36 41
$\frac{2}{3}$					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 5Z East and West, November 1956, in hundreds of fish

Length	5	Z East			5Z West			5Z_Total	
(cm.)	Scrod	Large	Total	Scrod	Large	Total	Scrod	Large	Total
33 4 5 6 7 8 9 40 1 2 3 4 5 6 7	26 26 52 183 235 287 496 756 678 835 836 548 443 339	19 19 19	26 26 52 183 235 287 496 756 678 835 836 567 462 358	83 83 217 333 517 700 983 833 1,133 1,084 1,118 750	4	Total 83 83 217 333 521 700 983 833 1,133 1,088 1,123 762	26 26 135 266 452 620 1,013 1,456 1,661 1,668 1,969 1,632 1,561 1,089	4	Total 26 26 135 266 452 620 1,017 1,456 1,661 1,668 1,969 1,655 1,585 1,120
8 9 50 1 2 3 4 5 6 7 8 9 60 1 2 3 4 5 6 7	339 156 183 52 78 26 26	19 78 155 271 214 136 136 78 58 58 39 78 39 	358 234 338 323 292 162 78 58 58 39 78 39 	767 317 333 283 133 50 50 83	41 78 257 308 332 435 473 523 506 552 448 369 340 319 199 207 174 149 141 75	808 395 590 591 465 485 523 523 589 552 448 369 340 319 199 207 174 149 141 75	1,106 473 516 335 211 76 76 83	60 156 412 579 546 571 609 601 564 610 487 447 379 377 238 207 174 149 160	1,166 629 928 914 757 647 685 601 647 610 487 447 379 377 238 207 174 149 160 75
8 9 70 1 2 3 4 5 6 7 8 9 80 1 2		19 19	19 19		116 58 58 46 37 62 25 17 12 8 12 4	116 58 58 46 37 62 25 17 12 8 12 4		116 58 77 46 37 62 25 17 12 8 12 4	116 58 77 46 37 62 25 17 12 8 12 4
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

Longth	5.	7 Fact			57 West			7 Total	
			Total	Scrod					Total
Length (cm .) 35 6 7 8 9 40 1 2 3 4 5 6 7 8 9 50 1 2 3 4 5 6 7 8 9 70 1 2 3 4 5 6 7 8 9 80 80 80 80 80 80 80 80 80 80 80 80 80	5. Scrod 21 136 126 356 576 723 922 650 660 335 429 262 293 105 42 52 10 21	Z East Large 36 36 73 36 73 183 147 110 36 36 182 73 110 110 73 36	Total 21 136 126 356 576 723 922 650 696 335 465 262 366 178 78 125 193 168 110 36 310 36 182 73 110 110 .73 36	Scrod 24 24 108 84 276 324 767 839 1,055 1,007 1,198 1,055 719 636 456 408 324 252 84 60 12 24 12 12	7 15 8 15 48 61 156 276 385 522 504 659 675 640 586 516 498 334 246 271 254 175 152 102 105 80 80 44 40 29 33 25 11 44 44 44 44 44 44 44 44 44 44 44 44	Total 24 24 108 84 276 324 767 839 1,062 1,022 1,206 1,070 767 697 612 684 709 774 588 719 687 664 598 528 498 334 246 271 254 175 152 102 105 80 80 44 40 29 33 25 11 4 4 4 4 7 7 7 8 7 8 8 8 8 8 8 8 8 8 8 8	5 Scrod 45 160 234 440 852 1,047 1,689 1,715 1,342 1,627 1,317 1,012 741 498 460 334 273 84 60 12 24 12 12	Z Total Large 43 15 44 15 121 134 192 349 568 669 614 695 785 676 622 516 680 407 356 381 327 211 152 102 105 80 80 44 40 29 333 25 11 4 4 4 4	Total 45 160 234 440 852 1,047 1,689 1,489 1,758 1,357 1,671 1,332 1,133 875 690 809 902 942 698 755 797 700 634 528 680 407 356 381 327 211 152 102 105 80 80 44 40 29 33 25 11 4 4 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

_ength		Z East	5Z West				5Z Total		
em .)	Scrod	Large	Total	Scrod	Large'	Total	Scrod	Large	Total
0.5			-	2.6		0.0	0.0		0.0
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	161	457	618
3	20	152	172	90	388	478	110	540	650
4	7	152	159	50	50 7	557	57	65 9	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	7.8	13	265	'278	13	343	356
1		36	36		233	233		269	269
2		31	31	13	199	212	13	230	243
3		62	8.		234	234		296	296
4		4 2	3		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		1 (10		33	33		43	43
1		10	10		43	43		53	53
2		5	5		42	42		47	47
2 3		5	5		8	3		13	13
4		10	10		26	26		36	36
5		5	5					5	5
6		5	5					5	5
7		Ŭ	Ü		8	8		8	8
8					9	9		9	9
9					8	8		8	8
80					8	8		8	8
					<u> </u>				
		1,868	4,750	1 01	5, 366	11,767	9,283	7,234	16,5 7

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

Length	5.	Z East		5Z West			5Z Total		
(cm.)	Scrod	Large	Total	Scrod	Large	Total	Scrod	Large	Total
32 3 4 5 6 7 8 9 4 0 1 2 3 4 5 6 7 8 9 6 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 8 1 2	16 71 164 535 1,195 2,326 3,557 6,052 7,978 9,818 9,080 10,229 9,437 9,630 9,032 8,173 6,921 5,084 3,186 2,260 955 632 239 170 22	13 54 6 544 6 127 190 410 853 1,670 2,308 4,047 4,000 4,170 3,985 3,155 2,492 2,232 2,181 1,255 1,412 1,230 968 420 410 236 97 294 226 73 555 110 5 11 19	16 71 164 535 1,195 2,3557 6,065 7,978 9,824 9,080 10,283 9,955 9,564 9,422 9,026 8,591 7,392 7,233 6,260 5,125 4,617 4,022 2,3,325 2,514 4,022 2,181 1,255 1,256 420 410 236 420 410 236 410 236 410 236 410 236 410 410 410 410 410 410 410 410 410 410	58 83 350 1,002 1,700 3,327 5,862 8,597 10,910 11,640 13,547 14,233 12,435 11,083 10,224 8,045 7,221 5,656 3,394 1,983 1,416 899 719 386 359 164 61 31 44	12 13 19 47 666 122 102 145 249 573 1,051 1,547 2,786 6,481 6,447 6,105 5,207 4,811 4,412 3,380 2,917 2,489 2,377 1,964 1,234 854 472 2,3 134 80 81 777 422 472 223 134 80 81 777 422 472 23 8 6 4	58 83 350 1,014 1,700 3,327 5,875 8,616 10,957 11,706 13,669 14,335 12,833 12,684 11,275 9,592 10,007 9,646 8,687 8,049 7,346 5,593 5,170 4,576 3,441 2,948 2,533 2,377 1,964 1,234 1,668 1,668 1,	16 129 247 885 2,197 4,026 6,884 11,914 16,575 20,720 23,776 24,162 22,125 22,065 12,305 8,842 5,654 2,938 2,048 1,138 889 164 61 31 44	12 	16 129 247 885 2,209 4,026 6,884 11,940 16,594 20,781 20,786 23,952 24,290 22,397 22,504 21,098 20,301 18,183 17,399 16,879 14,947 13,174 11,368 10,149 8,107 7,402 6,757 4,696 4,360 3,763 3,345 2,236 1,916 1,644 1,940 1,947 1,94

Total 116,711 43,836 160,547 148,117 77,452 225,569 264,828 121,288 386,116

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

(cm.)	Scrod	Large	Total	Scrod	Large	Total	Scrod	Large	Total
$\begin{array}{c} 31 \\ 2 \end{array}$	7		7				7		7
3									
4 5	 14		 1 4	42		42	42		42
6	7		7	$\begin{array}{c} 42 \\ 105 \end{array}$		$\begin{array}{c} 42 \\ 105 \end{array}$	$\begin{array}{c} 56 \\ 112 \end{array}$		$\begin{array}{c} 56 \\ 112 \end{array}$
7	21		21	296		296	317		317
8	63		63	275		275	338		338
9	140		140	359		359	499		499
40 1	$\frac{168}{286}$		$\begin{array}{c} 168 \\ 286 \end{array}$	$\begin{array}{c} 211 \\ 614 \end{array}$		$\begin{array}{c} 211 \\ 614 \end{array}$	3 7 9 900		379 900
2	370		370	232		232	602		602
3	454	8	462	54 9		549	1,003	8	1,011
4	678	4	682	422		422	1,100	4	1,104
5 6	734 1,083	$\begin{array}{c} 8 \\ 27 \end{array}$	$742 \\ 1,110$	507 465		507	1,241	8	1,249
7	1,138	65	1,110	465		$\begin{array}{c} 465 \\ 465 \end{array}$	1,548 1,603	2 7 65	1,575 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	1,820
50	790 405	302	1,092	422	129	551	1,212	431	1,643
$\frac{1}{2}$	$\frac{405}{426}$	$\begin{array}{c} 469 \\ 538 \end{array}$	$\begin{array}{c} 874 \\ 964 \end{array}$	338 275	$\begin{array}{c} 322 \\ 322 \end{array}$	660 597	743 701	791 860	1,534 1,561
3	147	580	727	42	242	284	189	822	1,011
4	105	504	609	12	322	364	147	826	973
5 6	56 	469	5 25	21	403	424	77	872	949
7	7	$\frac{596}{424}$	596 4 31		355 338	355 338	 7	951	951
8		435	435		355	355		762 790	769 790
9		405	405		258	258		663	663
60	7	351	353		274	274	7	625	632
1		$\begin{array}{c} 328 \\ 256 \end{array}$	328		145	145		473	473
2 3		$\begin{array}{c} 236 \\ 244 \end{array}$	256 24 4		$\begin{array}{c} 145 \\ 226 \end{array}$	$\begin{array}{c} 145 \\ 226 \end{array}$		$\begin{array}{c} 401 \\ 470 \end{array}$	401 470
4		149	149		80	80		229	229
5		114	114		113	113		227	227
6 7		88	88		64	64		152	152
8		84 53	84 53		64 48	64		148	148
9		65	65		16	48 16		101 81	101 81
70		57	57		32	32		89	89
$\frac{1}{2}$		19	19					19	19
3		23 15	23					23	23
4		15	5 15					15	15
5		4	d.					15 4	$\begin{array}{c} 15 \\ 4 \end{array}$
6			<u>-</u>						
7		4	4					4	.1
8 9									
80		4	4					4	+

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

Length		Y North			Y South			Y Total	
(cm.)	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	6 7		67				67		67
2	106		106	47		47	153		153
2 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		1 30	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 3		82	82		92	92		174	174
3		72	72		67	67		139	139
4 5		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		33	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 5Y North and South, Fall 1956, in hundreds of fish

Length	5	Y North		5	Y South		5	Y Total	
(cm.)_	Scrod	Large	Total	Scrod	Large	Total	Scrod	Large	Total
35	1		1				1		1
35 6	1 4		4	16		16	20		20
7	11		11	7-			11		11
	19		19				19		19
8	28		28	16		16	44		44
9			31	47		47	78		78
40	31		48	62		62	110		110
1	48		38	109		109	147		147
2 3 4	38					172	208		208
3	36	,	36	172			305	1	306
4	40	1	41	265		265		1	475
5	38	1	39	436		436	474	$\frac{1}{2}$	394
6	49	2	51	343	-	343	392	12	
7	63	5	68	561	7	568	624		636
8	59	13	72	530	20	550	589	33	622 539
9	73	15	88	405	46	451	478	61	539 591
50	69	22	91	421	79	500	490	101	
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	7 9		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 4		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
Γotal	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 5Y North and South, Winter 1956, in hundreds of fish

Length		Y North			5Y South			5Y Total	
(cm.)	Scrod	Large	Total	Scrod	Large	Total	Scrod	Large	Total
35	2		2				2		2
6	5		5				5		5
7	2		$\frac{3}{2}$				5 2		$\frac{3}{2}$
8	4		$\frac{2}{4}$				$\frac{2}{4}$		$\frac{2}{4}$
9	13		13				13		13
40	13		13	9		9	$\frac{1}{2}$		$\overset{\circ}{2}\overset{\circ}{2}$
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 56	59		75 91	75 91		134 147	$\begin{array}{c} 134 \\ 147 \end{array}$
8		39	56		57	57		96	96
9 60		39 34	39 3 4		45	45		79	90 79
1		40	40		42	43		82	82
$\frac{1}{2}$		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		$\frac{24}{24}$	$2\overline{4}$		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	7 72	1,440	1,907	888	2,795	2,575	1,660	4,235

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

31 2 3	Scrod	Large	Total						000
2	77		Total	Scrod	Large	Total	Scrod	Large	Total
2			7				7		7
3	7	•							
J									
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
$\hat{2}$	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	1 3 1	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
		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
8		111	111		117	117		228	228
9		114	114		90	90		204	204
70		30	90		95	95		185	185
1		51	51		26	26		77	77
2		49	49		34	34		83	83
3		31	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		4	4					4	4
otal	13,405	10,402	23, 807	13,851	10, 295	24,146	27, 256	20,697	47,953

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

			East_				5Z V			
Length		Years			_		Years	of age		
(cm.)	1	2	3	4	Total	1	2	3	4	Total
16	1				1					
17	1				1					
18	1				1					
19					_ ~					
20	1				1					
21	2				2					
22	2 2 3				2	2				2
23	3				2 3	$\frac{2}{2}$				2 2 5
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	4 4			120
32 33	188	94	10		282	89				89
34	73	235			308	75				75
3 4 35	59	$\frac{255}{257}$			316	38	38			76
				1.0						71
36	83	$\begin{array}{c} 214 \\ 277 \end{array}$		12	309	24	$\frac{47}{61}$			$\frac{71}{61}$
37			28		305					
38	16	126	79	16	237		77			77
39		153	12		165		95			95
40		7 9	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										
4 9				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 5Z East, February 1956, in hundreds of fish

Length			Y e a	r s		age			
(cm.)	2	33	4	5	6	7	8	9+	Total
35 6 7 8 9 40 1 2 3 4 5 6 7 8 9 50 1 2 3 4 5 6 7 8 9	17 15 54 2 35	6 8 115 107 11 104 289 246 459 141 8 54 2	103 69 392 288 425 246 452 626 797 813 813 913 748 699 440 245 228 279 131	35 106 246 1 126 200 322 140 177 190 215 262 152 110 80 	124 108 210 161 114 276 337 410 350 484 172	27 215 91 81 200	29		23 23 115 161 151 208 392 577 531 738 912 1,017 1,005 1,135 1,136 1,117 1,148 1,344 816 6755 771 481 646 545
9 60 1 2 3 4 5 6 7 8 9 70 1 2 3 4			115	29 114 40 47 -3 38	172 190 79 70 138 145 48 38 47	200 114 119 47 83 97 46 34 44 64	79 117 83 49 94 152 46 34 13 44 51 38	23 48 33 25 89 63 76	345 418 317 304 304 291 190 228 139 101 38 177 127 51 38 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			<u> Үе</u>	ars	o f	a g e			· · · · · · · · · · · · · · · · · · ·
(cm.)	2	33	4	5	6	7	8	9+	Total
40 1 2 3 4 5 6 7 8 9 50 1 2 3 4 5 6 7 8 9 6 0 1 2 3 4 5 6 7 8 9 7 0 1 2 3 4 5 6 7 8 9 7 8 9 7 8 9 7 8 9 8 9 7 8 9 8 9 8	19	58 212 463 123 61 90 -34 9	39 174 58 370 212 463 615 957 824 902 933 648 437 592 257 223 307 136 109	93 212 123 241 379 157 193 186 134 285 160 117 128 52 28 68 57 38 14	123 2 120 189 101 109 424 340 417 362 311 164 113 114 58 141 73 47 14 28	32 135 96 2 190 68 171 38 85 48 28 14 10 31	28 114 96 85 24 93 55 27 14 7	19 	116 174 116 463 6984 1,261 1,203 1,269 1,158 1,023 841 986 937 680 863 498 415 519 249 456 249 311 145 187 83 83 41 41 62
Total	19	1,108	8,256	2,665	3,250	1,000	553	186	17,037

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

Length			Y e :	ars_	o f	age			
(cm.)	2	3	4	5	6	7	8	9+	Total
39			56	18					74
40	8	25	16						49
1			49	~ -					49
1 2 3 4 5 6 7 8		87	86						173
3			119	30					149
4		66	66	66					198
5		74	74						148
6		9	47	9	9				74
7			197	4 9					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
1 2 3 4 5			43	37	19				99
4			43	27	107	16			193
5			24	15	40				79
6 7			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
1 2 3 4 5 6 7 8				6	9	6	16	3	40
3									
4					20	13	7		40
5									
6									
7					7	7	6		20
8									
9								~ -	
70									
1									
2									
1 2 3 4									
4								20	20
Total	8	292	1,470	422	537	154	54	23	2,960

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

Length			<u>Y</u> e	ars	o f	a g	e		
(cm.)	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
2 3 4 5 6	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
		133	367	75	38				613
1 2 3 4 5		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
7 8			85	56	28	28			197
9		35	35	70	34		34		208
60		00		31		62	31		124
			16	16	49	33			114
2			9	38	68	33	6	2	156
3						57	57		114
1 2 3 4			1	7	17	20	5	2	52
5							104		104
5 6						21			21
7			1	2	1	8	4	5	21
8			1	2	2	10	8	8	31
9			1	2		10	10	J	10
70					10		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 5Z East, June 1956, in hundreds of fish

Length			<u>Y</u> e	ars	o f	age			
(cm.)	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
	751	167	83						1,001
1 2 3	37 5	75	150						600
3	267	178	89	44					578
4	261	326	458						1,045
5 6 7	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 3		124	561	37	37				759
3			417	137	46	69	23		692
4		29	231	174	125				559
5 6 7		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 3			4	16	29	14	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 5Z East, July 1956, in hundreds of fish

Length			<u>Y_e</u>	ars	o f	age			-
(cm.)	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	59 8						1,366
5	78	67 1	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				3 7 1
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 4						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	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 5Z East, August 1956, in hundreds of fish

Length				Y e a	rs	o f	a g e			
(cm.)	1	2	3	4	5	6	7	8	9+	Total
33 4 5 6 7 8 9 40 1 2 3 4 5 6 7 8 9 6 7 8 9 6 7 8 9 6 7 8 9 6 7 8 9 6 7 8 9 6 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 7 8	26	29 32 88 204 350 672 942 817 1,642 1,338 1,392 610 746 664 416 457 171	117 430 584 178 428 670 137 664 429 572 370 136 88 18	117 110 90 108 122 406 267 328 798 452 473 533 284 213 203 95 52 138 44 17 19	29 150 144 123 104 92 106 95 78 62 8 24 10	50 48 35 155 115 103 67 52 43 17 47 10 18 13 4 1	26 23 51 14 	43 8 9 9 1 1	9	29 58 88 204 467 672 1,372 1,518 1,752 1,606 1,928 1,402 1,289 1,595 1,174 1,407 1,368 738 753 727 569 443 492 271 182 200 173 58 71 71 71 71 71 71 71 71 71 71 71 71 71
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 5Z East, September 1956, in hundreds of fish

Length			Y e a	rs	o f	a g e			
(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
2 3	772	238	60						1,070
4 5	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
$\frac{1}{2}$	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
				9	19				28
$\frac{1}{2}$			26	13	13	13	13		78
1 2 3					14		7	7	28
4				22	22				44
5			1	8	13	10	1		33
6			•	Ü		17		16	33
7						22			22
8									
9							6		ϵ
70					3	5	2	1	11
1						17			17
2						6			6
3						3	2	1	6
4								1	
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 5Z East,
October 1956, in hundreds of fish.

Length _				Yеа	rs o		e			
(cm.)	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 3		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
5 6 7		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
$\overset{-}{2}$		11	11	300	78	22				422
3			33	120	36	54	9			252
$\overset{\circ}{4}$				166	69	87	17			339
5			10	115	62	62	31			280
6				49	49	35	7			140
5 6 7				42	62	42				146
8				57	26					83
9				15		14	14	14		57
60				9	4	9	5	5		32
					15	30				45
1 2 3				4	3	2	2	2		13
3				-		3		2	1	6
$\overset{\circ}{4}$					6	7			_	13
5										
5 6										
7							13			13
8					1	2	3			6
9					*	_	J	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			Year	s of	age 6	-		0.	Make)
(cm.)	1 2	3	4	5	Ь	7	8	9+	Total
33	25	1							26
4									
5	2 4 44	2 8							26 52
6 7	91	92							183
8	235								235
9	287								287
40	496								496
1 2 3	756	170							756 678
2	508 731	170	104						835
	782	53							835
4 5 6	548	16	3						567
6	333	126	4						463
7	203	13	141	1					358
8	19	113	113	113					358
9		1 31 1 45 ⁻	94 166	$\begin{array}{c} 9 \\ 23 \end{array}$	4				234 338
50 1		307	17						324
2		13	186	93					292
2 3 4			108	27	27				162
		23	88	51					162
5 6 7			26	26	26	c			78
6			19	26 58	7 	6 			58 58
8				13	13	13			39
9			26	17	26	9			78
60						39			39
1			29	29					58
2 3 4				13	26				39
ن ۸									
5									
6					5	8	3	3	19
6 7									
8									
9					1	- - 7		5	19
70 1					1	•	Ü		
2									
3									
4									
5 6									
7 8							•		
9									
80									
1									
2								19	19
Total	5,082	1,213	1.124	499	1 35	82	9	27	8,171

Table 34.--Age-length composition of haddock landed from 5Z East, December 1956, in hundreds of fish

Length			<u>Y</u> e	a r s	o f	a g e	2		
(cm.)	2	3	4	5	6	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
	922								922
1 2 3 4	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 Y		35					178
9		43	31	4					78
50		52	60	11	2				125
		189	4		4				
1 2 3		3		60					193
2			104						167
ა 1			65	22	22				109
4 5		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

₄ength			<u>Y</u> e	ars	o f	a g	e		
(cm.)	2	3	4	5	6	7	8	9+	Total
35	6	1							7
6	17	3							20
7	27 72	26							53
8 9	131								72 131
40	223								223
	327								32
2	163	54							217
3	213		30						243
1 2 3 4 5	282	19							30:
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				25
50		81	92	13	2				188
1		199	12						21
2		3	115	68					18
3 4			111	31	30				17
4		25	81 66	53 66	66				15 19
5 6			28	39	10	11			8
7			`	100					10
8				32	33	35			10
9			28	18	27	10			8
60						78			7
			18	18					3
1 2				10	21				3
3				31		31			6
4					21		21		4
5						13	13		2
6				1	6	11	4	4	2
7 8						21			2
9						16	15		3
70					1	5 2	5 4	3	1
1					1			10	1
2						2	2	1	•
2 3						2	2	1	
Ā						1	5	4	1
4 5						-	2	3	
Ş.							1	4	
'otal	2,122	692	832	544	218	238	74	30	4,75

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

Length					Y e a	r s	of a	g e		
(cm.)	1	2	3	4	5	6	7	8	9+	Total
32 34 56 78 90 12 34 56 78 90 12 34 56 78 90 12 34 56 78 90 12 34 56 78 90 12 34 56 78 90 90 90 90 90 90 90 90 90 90 90 90 90	38	16 70 126 524 1,155 1,673 3,356 4,754 5,753 8,233 6,217 6,163 3,813 3,282 2,359 1,909 1,030 273	1 40 653 201 1,098 1,815 464 1,593 1,895 3,404 2,839 4,107 1,950 2,545 2,358 1,570 1,407 478 33 130 51 101 1 61	159 409 1,124 1,270 1,799 2,210 3,280 2,839 5,001 4,086 5,315 4,061 2,902 1,815 1,507 945 600 462 500 36 132 67 4 2	53 428 524 2 259 579 1,105 401 892 1,033 897 1,225 1,103 954 895 575 453 262 268 287 251 68 54 10 53 10 53	161 256 2 85 244 8 691 422 695 1,318 1,410 1,251 1,045 618 347 400 416 314 348 112 63 87 7 7 -	175 61 366 214 252 100 131 88 273 555 523 381 181 309 191 26 65 190 86 572 117 86 3 3 2	57 	49 17 3 95 25 22 60 39 120 106 12 4 101 3 4 	16 71 164 535 1,195 2,326 3,557 6,064 7,977 9,821 9,080 10,285 9,921 9,564 9,921 9,026 8,591 7,393 7,236 6,258 5,126 4,618 4,022 3,326 2,515 2,233 2,181 1,229 968 725 566 420 410 237 294 226 73 551

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

in hundreds of fish

Length		Y	e a rs	o f	a g e				
(cm.)	2	3	4	5	6	7	8	9+	Total
33 4 5 6 7 8 9 40 1 2 3 4 5 6 7 8 9 5 0 1 2 3 4 5 6 7 8 9 6 7 8 9 6 7 8 9 6 7 8 9 6 7 8 9 6 7 8 9 8 9 7 8 9 8 9 7 8 9 7 8 9 8 9 7 8 9 7 8 9 8 9	14 11 31 109 113 130 188 70	2 	26 117 167 164 187 313 90 346 375 477 495 279 231 272 85 113 76 70 44 13 10	53 52 4 92 13 58 79 42 72 13 70 49 10 52 16 10	2 31 70 50 42 72 38 94 90 123 50 43 67 78 30 51 19 62	30 	13 31 16 33 10 12 23 3 16 4 8	12 	16 16 311 109 1411 234 141 234 234 328 375 531 562 579 531 562 579 531 211 257 140 234 179 172 125 78 156 78 101 39 86 70 23 86 70 86 86 86 86 86 86 86 86 86 86
Total	666	1,727	3,950	740	1,012	336	169	50	8,650

Table 38. -- Age-length composition of haddock landed from 5Z West, March 1956, in hundreds of fis¹

Length (cm.)	2	3	4	<u>Y е а</u> 5	rs 6	of a	у <u>е</u> 8	9+	Total
37 8 9 40 1 2 3 4 5 6 7 8 9 9 0 1 2 3 4 5 6 7 8 9 6 7 8 9 6 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 7 8	55 22 92 83 69	6 55 70 69 16 42 97 100 268 142 177 11 10	19 70 39 41 97 200 47 198 299 285 362 219 256 280 320 308 158 159 95 16 11	33 1 4 48 11 32 84 42 36 71 136 168 37 61 26 27 20	55 39 36 71 57 103 128 130 62 46 143 39 53 34 38 32	4 36 10 79 8 62 33 24 13 27 -7 7	14 	16 11 15 15 11 11	55 28 166 83 139 139 55 83 194 333 316 344 476 333 377 317 389 322 428 450 378 450 339 206 156 134 167 78 45 134 67 78 45 11 45 22
Tota'	321	1,000	3,484	848	1.066	340	46	79	7,370

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

Length			У е	ars	o f	a g e			
(cm.)	2	3	4	5	6	7	8	9+	Total
(cm.) 36 7 8 9 40 1 2 3 4 5 6 7 8 9 50 1 2 3 4 5 6 7 8 9 60 1 2 3 4 5 6 7 8 9 70	20 20 33 34 346 204	8 20 203 173 105 81 92 146 214 244 211 22 13 23					17 	9+	Total 20 20 41 61 346 407 346 366 163 183 488 253 592 579 620 508 524 396 489 396 416 224 213 190 108 112 153 87 106 87 78 41 55 46 32 28
1 2 3 4 5 6						18 3	37 4 1	7 4 9	5 5 1 4 5 9
Total	657	1,537	4,396	759	917	329	190	72	8,857

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

Length				ars	o f	a g e			
(cm.)	2	3	4	5	6	7	88	9+	Total
33 4 5 6 7 8 9 40 1 2 3 4 5 6 7 8 9 9 6 0 1 2 3 4 5 6 7 8 9 6 7 8 9 6 7 8 9 6 7 8 9 8 9 8 9 8 9 8 9 8 9 8 9 8 9 8 9 8	21 21 149 256 383 606 852 887 854 734 809 431 307 214 170 107	76 114 395 130 103 289 264 560 239 392 495 165 96 27 21 15	56 127 202 287 137 383 625 532 1,111 875 934 786 703 903 540 244 188 253 78 30 12	58 53 48 126 114 272 188 22 199 99 243 189 69 39 75 68 15 87 24 	37 91 50 45 159 119 221 269 207 193 134 154 162 111 107 51 123 103 23 38 11 6	28 31 24 22 60 22 27 115 78 90 86 59 50 72 68 54 34 39 31 23 46 11 3 4	45 30 25 36 86 27 17 46 63 23 23 6 11 6	12 13 17 31 7 11 6 6 6 11 9 6 6	21 149 256 383 682 852 1,001 1,305 991 1,114 1,007 656 986 1,217 1,345 1,430 1,571 1,345 1,061 1,019 959 818 730 673 644 388 359 308 296 225 217 171 108 125 217 171 108 125 217 171 108 125 217 171 108 125 217 171 108 125 217 171 108 125 217 171 108 125 217 171 108 125 217 171 108 125 217 171 108 125 217 171 108 125 217 171 108 125 217 171 108 125 217 171 108 125 217 171 108 125 217 171 108 125 171 171 171 171 171 171 171 17
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 5Z West, June 1956, in hundreds of fish

Length			<u>Y</u>	e a r s	o f	a g	e		
(cm.)	_2	3	4	5	6	7	8	9+	Total
35 6 7 8 9 40 1 2 3 4 5 6 7 8 9 50 1 2 3 4 5 6 7 8 9 6 0 1 2 3 4 5 6 7 8 9 6 7 8 9 8 9 8 9 8 9 8 9 8 9 8 9 8 9 8 9 8	60 199 318 407 876 935 872 988 1,057 682 62) 308 207 107	51 120 405 173 132 455 429 587 431 581 283 540 518 190 20 	57 173 264 455 277 552 758 575 1,249 1,052 857 1,159 1,108 847 734 301 192 269 107	70 53 57 186 159 296 295 28 299 147 301 203 73 53 96 98 23 94 25 4	68 96 90 57 239 176 273 220 268 173 222 257 121 115 69 160 180 41 18 16 2	40 32 44 28 88 27 27 123 107 115 123 94 54 76 92 71 60 69 36 10 62 9 4 2	57 47 27 38 115 35 30 82 70 10 31 2	13 18 31 36 4 4 9 5 4 6 8 8	60 199 318 458 876 1,055 1,334 1,453 1,592 1,327 1,447 1,466 1,316 1,589 2,042 1,769 1,471 1,695 1,241 1,405 1,145
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 5Z West, July 1956, in hundreds of fish

Length			Years of a			a g e			
(cm.)	2	3	4	5	6	77	88	9+	Total
33 4 5 6 7 8 9 40 1 2 3 4 5 6 7 8 9 5 0 1 2 3 4 5 6 7 8 9 6 7 8 9 6 7 8 9 6 7 8 9 7 8 9 8 9 7 8 9 8 9 8 9 8 9 8 9 8	21 11 11 21 106 170 340 376 326 252 286 156 158 53 56 38	21 49 152 44 36 106 109 132 136 207 112 168 211 144 83 56 49 13	21 444 71 1044 71 96 205 551 404 400 497 473 651 405 450 197 142 144 71 17 8	20 19 23 63 49 170 132 13 113 69 210 154 47 35 70 67 9 54 17	27 	12 14 15 13 41 15 20 66 71 77 76 35 31 50 46 32 23 36 17 14 26 2 2 2	38 17 16 25 57 16 11 44 35 14 13 8 3 1	8 8 11 17 5 16 2 1 5 6 2 4	21 11 11 21 106 191 340 425 499 340 393 366 338 281 417 469 686 662 672 867 734 759 657 642 593 520 377 353 317 285 174 179 174 137 128 119 101 69 55 46 46 46 46 46 47 46 47 47 47 47 47 47 47 47 47 47
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 5Z West, August 1956, in hundreds of fish

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

Length (cm.)	1	2	3	<u>Үеа</u>	rs o 5	f a g	<u>е</u> 7	8	9+	Total
34 5 6 7 8 9 40 1 2 3 4 5 6 7 8 9 5 0 1 2 3 4 5 6 7 8 9 6 0 1 2 3 4 5 6 7 8 9 6 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 7 8	23	28 	287 1,064 830 446 591 803 322 130 198 52 159 82 68 39 13 26 13 15	150 182 790 403 287 522 161 312 320 388 235 277 167 171 90 117 144 55	150 47 106 81 26 22 41 101 99 51 39 39 59 48 38 23 26 27	22 26 41 34 39 64 39 96 19 92 81 78 26 69 16 81	13 13 39 38 13 16 12 4	23	15 15 15 	51 216 204 867 1,428 2,804 2,879 3,581 4,471 4,551 3,490 3,061 2,246 938 907 520 494 501 552 489 415 231 288 219 254 288 150 138 81 104 46 81 112 12
Total	23	27,570	5,8 8 5	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				<u>Ү</u> еа	r s	o f	a g e			
(cm.)	1	2	3	4	5	6	7	8	9+	Total
35 6 7 8 9 40 1 2 3 4 5 6 7 8 9 8 9 6 0 1 2 3 4 5 6 7 8 9 6 7 8 9 6 7 8 9 7 8 9 7 8 9 7 8 9 8 9 7 8 9 8 9 8	5	59 129 97 322 582 870 1,261 1,420 1,178 1,409 1,204 800 618 380 239 114 88 83 	140 	64 57 275 133 217 414 224 366 309 371 254 252 272 181 117 94 88 48 	64 	24 28 35 36 42 84 32 59 16 96 90 71 24 54 17 16	14 17 32 32 12 17 18 27 11 4 1	24 12 16 4 1	16 16 17 3 1 1	64 129 97 322 582 870 1,401 1,545 1,722 1,528 1,095 779 743 706 736 560 517 511 488 425 377 307 285 206 176 128 144 90 95 84 49 16 35 41 11 11 33 41 11 11 33
Total	5	10,933	2,861	3,762	920	724	186	58	57	19,506

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

Length (cm.) 1 2 3 4 5 6 7 8 9+ Tot 36 28 55 7 83 8 217 29 310 23 22 23 340 521 7 7 54 1 700 22 983 3 3 833 8 9 4 1,070 64 1,070 64 1,070 64 1,070 64 1,052 69 1 1,1 1,0
7 83 8 217 9 310 23 40 521 1 700 2 983 3 833 4 1,070 64 5 1,049 38 1 6 1,052 69 1 7 562 102 97 1 8 710 52 42 4 9 178 100 117 50 157 177 177 79 1 167 237 147 39 2 67 150 191 49 8 3 21 106 227 98 33 4 4 53 340 104 26 5 143 221 143 16 2 67 150 191 49 8 3 21 106 227 98 33 4
5

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

Length	Years of age											
(cm.)	1	2	3_	4	5	6	7	8	9+	Total		
35 67 89 40 12 34 56 78 90 12 34 56 78 90 12 34 56 78 90 12 34 56 78 90 12 34 56	8	22 16 108 84 256 324 767 839 1,058 964 1,160 993 540 589 262 197 126 29	2 20 58 44 74 121 59 163 205 278 257 139 73 184 10 9	4 1 3 103 44 187 202 184 301 269 466 295 388 370 232 202 111 48 85 53 13 10 16	3 5 85 50 78 114 142 188 155 132 147 161 61 76 661 37 40 16 10 22 5	13 38 37 21 76 59 89 108 101 76 56 105 100 41 47 32 32 27 44 20 10	29 18 24 27 51 19 47 35 12 41 23 63 21 53 15 5 13 5 4 2	12 19 19 12 20 5 10 13 5 11	9	2 10 8 27 32 76 83 1,02 1,07 76 61 68 70 77 58 71 68 66 59 52 49 33 24 27 25 10 10 10 10 10 10 10 10 10 10 10 10 10		
Γotal	8	8,526	. 753	3,587	1,644	1,147	508	127	32	17,33		

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

Length				У е а	rs	o f	a g e			
(cm.)	1	2	33	4	5	6	7	8	9+	Total
35 6 7 8 9 40 1 2 3 4 5 6 7 8 9 50 1 2 3 4 5 6 7 8 9 60 1 2 3 4 5 6 7 8 9 70 1 2 3 4 5 6 7 8 9 80	4	24 9 37 26 60 218 310 513 603 582 645 579 491 391 241 132 148 71 27	2 	83 24 132 96 83 167 213 333 248 230 171 94 45 62 49 15 7	3 23 23 45 87 113 125 139 91 150 138 52 72 41 56 46 29 19 5 29 5	6 29 27 14 66 45 103 94 72 54 97 124 29 57 15 44 14 33 22 14 	24 12 22 22 40 18 34 32 16 29 29 28 16 7 3 6	12 18 14 15 14 7 14 3 5	7 2 8 5 8	26 13 37 26 65 218 310 513 603 617 666 616 662 448 481 357 469 432 478 557 435 574 408 540 425 278 233 212 234 216 108 124 50 109 42 33 43 43 43 43 43 43 43 43 43 43 43 43
Total	4	5,107	1,114	2,644	1,291	1,058	409	102	38	11,767

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

Table 50.--Age-length composition of haddock landed from 5Z (East and West combined), February 1956, in hundreds of fish

Length			<u>Y</u> e a	rs o	fag	e			
(cm.)	2	3	4	5	6	7	8	9+	Total
33 4 5 6 7 8 9 40 1 2 3 4 5 6 7 8 9 50 1 2 3 4 5 6 7 8 9 6 7 8 9 6 0 1 2 3 4 5 6 7 8 9 6 7 8 9 7 8 8 9 7 8 9 7 8 9 7 8 7 8	14 28 46 109 167 132 223 70	2 	129 69 392 405 592 410 639 939 887 1,159 1,188 1,390 1,243 671 517 313 392 207 70 159 13 10	35 106 246 1 179 205 374 140 231 282 228 320 231 152 152 13 151 29 163 40 57 52 16 38 10	124 2 108 31 210 228 164 276 379 482 388 578 262 313 129 113 205 223 78 89 66 62	27 30 217 91 42 81 245 114 169 78 94 123 16 46 46 47 00 6+ 7 3	13 29 79 148 83 49 110 185 56 46 36 44 3 67 42 8	12 23 48 17 33 25 96 68 9 76	16 39 54 224 302 385 396 533 811 765 1,066 1,287 1,548 1,567 1,765 1,765 1,765 1,765 1,765 1,765 1,765 1,765 1,765 1,788 621 886 1,028 621 880 724 590 442 429 382 447 268 329 178 178 178 178 178 178 178 178
Γotal	789	3, 353	13,772	3, 451	4,510	1,600	998	407	27,886

Table 51. --Age-length composition of haddock landed from 5Z (East and West combined), March 1956, in hundreds of fish

Table 52.--Age-length composition of haddock landed from 5Z (East and West combined), April 1956, in hundreds of fish

Length		Y e ars of			fage				
(cm.)	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
	204	203	49						456
2		260	259						519
1 2 3 4 5 6 7		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 3 4 5 6 7		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		1.0		475
7		2	135	39	109		18		303
8		3	71	97	194	25			390
9			71	14	115	83	5		288
60			4 9	37	73	12	$\begin{smallmatrix}2\\24\end{smallmatrix}$	9	128
1			11	$\begin{array}{c} 18 \\ 21 \end{array}$	61 61	70 41	56	3	191 193
2			11	<u></u>	75	12			87
3 1				35	73	31	7		146
4 <u>t</u>				17	36	17	17		87
5					39		26	13	78
1 2 3 4 5 6 7				10	28	7	16		61
8				10	39	8	8		55
9					33	31	15		46
70						21		11	32
1							9	20	29
2						18	37		55
2 3 4						3	4	7	14
4						U		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 5Z (East and West combined), May 1956, in hundreds of fish

Length	9	3_	Y	ears		age	8	0.4	Total
33 4 5 6 7 8 9 40 1 2 3 4 5 6 7 8 9 50 1 2 3 4 5 6 7 8 9 60 1 2 3 4 5 6 7 8 9 70 1 2 3 4 5 6 7 8 9 80 1 2 3 4 5 6 7 8 9 80 1 2 3 4 5 6 7 8 9 80 1 2 3 4	2 21 149 369 433 736 1,221 1,303 1,258 1,177 1,122 601 368 273 273 105	3 7 88 28 152 485 219 313 569 883 639 794 628 291 96 53 21 27 35 15	101 304 307 585 581 614 1,139 937 1,672 1,330 1,301 1,269 998 1,108 746 567 331 273 288 78 16 930 13 1	52 	56 	46 	15 	2 	Total 21 21 149 369 440 824 1,249 1,455 1,844 1,700 1,794 1,687 1,725 1,800 2,060 2,070 2,359 2,354 2,184 1,996 1,597 1,455 1,374 1,119 1,124 870 852 512 473 464 410 337 357 226 238 202 118 135 91 80 23 17 23 11 17 6 6
Total	9,430	7 477	14,599	2 150	2 001	1,512	722	158	40,249

Table 54.--Age-length composition of haddock landed from 5Z (East and West combined), June 1956, in hundreds of fish

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

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

Length (cm.)	2	3	<u>Y</u>	e a r s	of a	ge	8	9+	Total
32 34 56 78 99 40 1 2 3 4 5 6 7 8 9 50 1 2 3 4 5 6 7 8 9 60 1 2 3 4 5 6 7 8 9 6 7 8 9 9 1 1 2 3 4 5 6 7 8 9 9 9 1 1 2 3 4 5 6 7 8 9 9 9 1 1 1 2 3 4 5 6 7 8 9 9 9 1 1 1 2 3 4 4 5 6 7 8 9 9 9 1 1 1 2 3 4 4 5 6 7 8 9 9 9 1 1 1 2 3 4 4 5 6 7 8 9 9 9 1 1 1 2 3 4 4 5 6 7 8 9 9 9 1 1 1 2 3 4 4 5 6 7 8 9 9 9 1 1 1 2 3 4 5 6 7 8 9 7 8 9 8 9 9 9 7 8 9 9 9 9 9 9 9 9 9 9 9 9 9	16 37 89 168 335 518 875 1,186 1,341 1,256 929 904 498 236 176 231 38	59 85 65 136 359 179 449 532 780 1,223 485 742 596 511 359 231 83 77 51 38 4 13	124 315 277 702 662 579 1,078 881 1,335 1,021 907 936 806 815 557 488 242 224 157 71 10 5 17 9	103 	74 27 62 78 69 114 197 196 257 231 133 176 150 179 96 81 74 34 75 71 21 17 23 7 9	77 12 14 72 13 79 38 47 79 116 98 94 52 44 50 52 53 30 36 17 15 26 1 2 2 2	19 22 38 3 4 19 42 57 25 17 50 35 16 13 10 3 1	1 1 8 19 17 17 7 11 18 2 1 5 6 2 4	16 37 89 168 335 577 960 1,251 1,477 1,739 1,423 1,752 1,978 1,848 1,954 1,679 1,513 1,465 1,028 1,028 1,058
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 5Z (East and West combined), August 1956, in hundreds of fish

Length				7	Year		age 7			
(cm.)	1	2	3	4	5	6	7	8	9+	Total
33		29								29
4		32								58
5		88								88
6		25								226
7		30	117							647
8		42								942
9	1,60		430	1 1 5						2,035
40	1,5		584	117						2,299
1	2, 6	12	108	110						2,830
2 3	2, 3		185	88						2,592
ა 1	2,50		794	108						3,466
4	2,03		1,001 370	124	60					3,156
5 6	2,0		962	478 333	69					2,993
7	1,52 1,04	44 40	618	582	1					2,820
8	1, 38		1,121	603		50				2,249
9		23	768	1,153	88					3,154 2,532
50		66	249	1,161	2 7 5					1,851
1		34	522	808	312	82				1,858
2		24	89	1,333	159	71				1,776
3			338	772	1 31	155	25			1,421
4			115	8 3 9	149	172	22			1,297
5	(88	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 	1.7	17	55
9 70						17		17	17	51
1						8	4 7	1	$\frac{1}{2}$	1 4 9
2				3			7			10
3				J			5			5
4							4	3	2	9
5										
6	•						2	2	1	5
7								_		
8							3		2	5
Total	27 21,61	0	8,621	10 604	2 222	1,593	358	128	54	45, 317

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

_ength					Year	s of	age 7			
(cm.)	1	2	3	4	5	6	7	8	9+	Total
34 56 78 90 12 34 56 78 90 12 34 56 78 90 12 34 56 78 90 12 34 56 78 90 12 34 56 78 90 12 89 78 89 89 89 89 89 89 89 89 89 89 89 89 89	23	28 31 279 322 1, 243 1, 837 3, 192 3, 355 4, 518 4, 178 4, 178 4, 064 3, 150 2, 733 1, 909 1, 234 58 83 51	39 186 277 287 126 1,303 1,207 505 917 825 1,044 213 278 57 160 82 74 48 13 26 13 15	55 51 63 60 68 328 258 970 518 478 735 540 483 414 491 300 204 225 110 127 144 81	150 -53 144 149 58 55 76 137 150 106 63 38 64 57 51 23 22 34 27	10 45 35 52 87 70 29 36 39 84 48 115 32 106 103 91 26 69 16 84 2	9 9 18 6 13 32 44 10 29 22 16 5 22 6 14 2 4	20 4 13 30 1 13 21 2 2 4	7 17 15 15 1 7 1 4 12	51 31 279 361 1,243 3,524 3,693 4,707 5,349 4,133 3,908 3,704 2,806 1,270 1,241 1,070 745 650 563 359 366 297 216 228 166 125 137 125 91 46 52 92 92 93 17 17 16 17 17 17 18 18 18 18 18 18 18 18 18 18
Γotal	2.3	32,739	8,109	7,047	1,457	1,179	312	112	79	51,057

Table 58.--Age-length composition of haddock landed from 5Z (East and West combined), October 1956, in hundreds of fish

Length -	1	2	3		e a r s	of a	<u>gе</u> 7	8	9 +	Total
(cm.)	1		ა	4	5	· · ·		8	9 +	
34	12	16								28
5 6	5	197								202
7		377 387	96							377 483
8		874								874
9		1,340	345							1,685
40		1,656	563	113						2,332
1		2.999	140	117						3, 256
2		2,999 2,707	171	87						2,965
2 3		2,458	760	99						3, 317
4		2,117	1,090	142						3, 349
5 6		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
$\frac{2}{3}$		94	67	666	105	50				982
3			223	429	54	54	9			769
		16	70	537	104	122	17			850
5 6		64	83 31	$\frac{369}{301}$	$\begin{array}{c} 171 \\ 127 \end{array}$	98 35	31 7			768 565
7		04	$\frac{31}{21}$	314	146	42				523
8			28	238	68	42	14			390
9			17	1 32	50	98	30	15		342
60				103	52	41	37	5		238
1				88	44	89				221
2				52	35	18	34	2		141
2 3 4 5					24	99		26	1	150
4					6	97				103
5					24	71				95
6 7				12	24	24	12	12		84
7						54	13			67
8			16		1	2	20		16	55
9						17		22	16	55
70 1	-					16	18		18	16 36
9				14			27		- -	41
2 3				17			11			11
4							4	4	3	11
5							1	1	1	3
6							1	1	1	3
7										
8										
9										
80									3	3
otal	17.2	0,749	6 951	7,242	1.540	1,151	286	88	59	38,083

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

Length	1	2	3	4 Y	ear 5	s of a	age 7	8	9+	Total
33 45 67 89 40 12 34 56 78 90 12 34 56 78 90 12 34 56 78 90 12 34 56 78 90 12 34 56 78 90 12	1 1 1 1	25 24 99 174 452 597 1,456 1,564 1,564 1,597 1,385 765 729 178 157 167 66 21	1 2 8 92 23 170 117 54 195 115 165 231 322 544 162 106 76 143 12 17 21 7	104 4 5 238 155 211 343 164 377 356 345 198 176 113 90 62 43 12 10 22	2 117 9 102 39 144 125 155 169 174 179 138 137 62 127 54 50 37 40 22 8 31 6	4 8 60 26 42 76 52 86 106 103 98 67 86 101 40 70 22 46 19 59 23 12 15	29 17 34 28 91 25 34 28 12 40 45 31 39 7 17 6 25 5 3 12 2	10 	12 	26 135 266 452 620 1,017 1,456 1,668 1,665 1,120 1,166 928 914 757 647 685 601 647 610 447 379 377 238 207 174 149 160 75 116 37 46 47 47 47 47 47 47 47 47 47 47 47 47 47
Total	00.4	3,816		4,038		1, 221	570	160	73	24, 426

Length	1	2	3	4	rear 5	s of	age 7	0		Total
(cm.) 35 6 7 8 9 40 1 2 3 4 5 6 7 8 9 50 1 2 3 4 5 6 7 8 9 7 0 1 2 3 4 5 6 7 8 9 7 0 1 2 3 4 5 6 7 8 9 80 80 80 80 80 80 80 80 80 80 80 80 80	1 1 1	41 131 171 440 832 1,689 1,635 1,278 1,589 1,189 716 662 262 197 126 28	3 4 21 63 162 35 79 74 140 170 94 206 257 467 260 139 78 184 15 18 24 9	88 7 3 240 79 218 262 188 405 334 485 332 400 370 232 263 111 103 85 53 13 10 16	1 7 40 4 96 50 138 137 155 224 173 169 147 201 61 130 92 98 37 40 16 10 22 5	2 13 60 37 57 79 59 89 169 101 76 129 105 119 41 47 32 27 44 20 10 15	33 18 24 47 124 19 47 71 12 41 23 63 21 53 15 4 2	12 	9+	Total 45 160 234 440 852 1,047 1,689 1,489 1,758 1,357 1,671 1,332 1,133 875 690 809 902 942 698 755 797 700 634 528 680 407 356 381 327 211 152 102 105 80 80 44 40 29 333 25 11 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
Total	8 13	3,552	2,529	4,297	2,053	1,363	641	145	32	24,620

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

Length (cm.)	1	2	3	<u>¥</u>	ear 5	$\frac{s \circ f}{6}$	age 7	8	9+	Total
	1							0		
35 6	4	29 26	4 3							3 3 33
7	4	64	26							90
8		98								98
9		191	5							196
40		441								441
		637								637
2		676	54							730
1 2 3 4 5 6		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		$\begin{array}{c} 146 \\ 70 \end{array}$	413	97	24	7				680
2		28	$\begin{array}{c} 147 \\ 122 \end{array}$	$\frac{281}{323}$	113 118	59				618 650
3 A		20	81	323 445	162	28				716
5			84	276	193	80				633
6			12	361	179	76	34			662
1 2 3 4 5 6 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 3			7	62	51	75	34	14		243
3				48	87	97	64			296
4 5 6 7 8				15	46	145	15	3 7		258
5				7	29	29	42	27		134
6				19	20	63	40	4	4	150
0					5	15 43	51			71
9					29	14	45 33	23 5		$\begin{array}{c} 140 \\ 52 \end{array}$
70						34	3	3	3	43
					5	21	17		10	53
2					Ü	14	9	16	8	47
1 2 3 4 5 6							5	5	3	13
4						15	7	10	4	36
5								2	3	5
								1	4	5
7									8	8
8							9			9
9							4		4	8
80									8	8
Total		7,229	1,806	2 47.0	1 005	1 050	647	176	68	16,517

Table 62. -- Age-length composition of haddock landed from 5Z (East and West combined), 1956 Haddock Year, in hundreds of fish

Length (cm.)	1	2	3	Y 4	ears 5	o f	a g e	8	9+	Total
32 34 56 78 90 12 34 56 78 90 12 34 56 78 90 12 34 56 78 90 12 34 56	61 5 41	16 126 186 859 2,128 3,373 6,493 10,377 14,087 17,228 16,507 16,565 14,249 12,578 9,781 6,865 5,315 1,826 910 789 563 77 135 64		211 409 1,258 1,972 2,8345 4,428 4,985 8,366 7,202 10,563 10,799 8,945 9,198 7,984 5,501 633,425 2,458 2,235 633 457 238 75 28 953 633 10,799 117	53 427 524 285 395 738 1, 302 671 1, 945 1, 968 1, 991 2, 109 2, 109 2, 109 1, 864 2, 509 2, 109 1, 855 1, 078 884 759 351 522 312 186 16 8	162 256 4 87 244 186 771 982 1,106 1,671 2,202 2,065 2,213 2,431 1,999 1,702 1,431 838 585 806 613 195 272 143 70 17 45	175 61 125 445 296 314 2395 1,146 1,048 879 781 640 422 394 392 485 360 354 224 239 219 80 25 23 18 12 34 12	59 45 33 188 84 419 417 423 235 536 591 215 182 315 234 68 210 109 60 43 10 8	67 49 18 3 128 67 168 87 237 189 72 114 19 547 49 35 23 8 25 6	16 129 247 885 2,209 4,026 6,884 11,940 16,594 20,781 20,785 224,290 22,397 22,504 21,098 20,301 18,183 17,399 14,947 13,174 11,368 10,107 7,402 6,757 4,696 4,360 3,763 3,763 3,345 2,688 2,236 1,940
Total	107	141,097	60,904	111,618	28,358	27,481	10,498	4,484	1,569	386,116

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

Length (3 cm.			Y e a	r_s_	o f	a g e		
groups)	3	4	5	6	7	8	9+	Total
33	42							42
	443							443
6 9 4 2 5 8	634	211						845
4 2	734	661						1,395
5	558	766	7 0					1,394
8	156	1,147	140					1,443
51	134	1,347	148	150	29			1,808
4	41	478	271	182	8.0	20		1,072
7		227	250	457	114			1,048
60		72	97	363	97	48		677
3			50	276	100		25	451
3 6			60	76	7 5	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 5Y North, Summer 1956, in hundreds of fish

Length			<u>Y</u> e a	r s	o f	a g c			
(3 cm. grou ps)	2	3	4	5	6	7	8	9+	Total
36	6	6							12
9	26	59							85
42 5 8		227	59						286
5		236	409	7					652
8		92	541	85					718
51		43	435	145	36				659
4		20	221	143	74	62			520
4 7		7	124	153	127	14		7	432
60		6	12	74	126	69	40		327
				52	65	73	26		216
3 6 9				10	35	55	15	15	130
9				5	24	28	10	10	77
72					11	16	7	7	41
5								21	21
72 5 8							1	1	2
Γotal	32	696	1,801	674	498	317	99	61	4, 178

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

Length			Y e a	r s	o f	a g e			
(3 cm. groups)	2	3	4	5	6	7	8	9+	Total
36	16								16
9	50	28							78
42 5	26	96							122
5	$\begin{array}{c} 4 \\ 2 \end{array}$	73	51	2	1				131
8	2	53	160	13					228
51		59	190	56					305
4 7		20	161	62	23	3			269
7		7	62	54	51	14	3		191
60		5	47	41	49	5	3	3	153
3 6 9 72			5	34	54	14	5		112
6			1	10	30	22	4 5	4 5	71
9				5 3	11	15	5	5	41
72				3	4	3	2	4	16
5 8					1	5	1	4	11
8								1	1
Total	98	341	677	280	224	81	23	21	1,745

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

Length			У е	ars	o f	a g	e	
(3 cm. groups)	22	3	4	5	6	7	8	Total
36	5	4						9
9	30							30
42	60	7						67
5 8		142	14					156
8		119	85	11				215
51		80	159					239
4 7		44	172	21				237
		21	104	43		7		175
60			32	49	16		16	113
3				42	21	21		84
3 6 9				27	21	21		69
				6	16			22
72					11		6	17
5					7			7
Гotal	95	417	566	199	92	49	22	1,440

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

Length			<u>Y</u> •	e a r s	o f	a g	e		
(3 cm. groups)	2	3	4	5	66	7	8	9+	Total
33		42							42
6	27	453							480
6 9	106	721	211						1,038
42	86	1,064	720						1,870
5	4	1,009	1,240	79	1				2,333
42 5 8	2	420	1,933	249					2,604
51		316	2,131	349	186	29			3,011
4		125	1,032	497	279	145	20		2,098
4 7		35	517	500	635	149	3	7	1,846
60		11	163	261	554	171	107	3	1,270
			5	178	416	208	31	25	863
3 6 9			1	107	162	173	34	34	511
9				28	75	79	15	39	236
72				3	26	19	15	11	74
5					8	5	1	25	39
5 8							1	2	3
Total	225	4,196	7,953	2,251 2	2,342	978	227	146	18,318

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

Length (3 cm.			Y e a	r s	o f	a g e		
groups)	3	4	5	6	7	8	9+	Total
	7							7
30								
3 6 9 42 5 8	42							42
ο ο	289	82						
42	384	691	43					371
5	403			3	1	1		1,118
0		1,978	148		1	1		2,534
0	312	3,127	220	145	30			3,834
51	75	1,525	634	477	185	34		2,930
4 7	20	806	372	539	124			1,861
	7	391	317	504	205	38		1,462
60		109	186	509	220	67		1,091
3 6 9			105	316	158	70		649
6			75	111	75	25		286
				52	70	18	35	175
72				29	28			57
5							19	19
5 8							4	4
81							4	4
Total	1,539	8,709	2,100	2,685	1,096	253	62	16, 444

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

Length			<u>Y e a</u>	r s	o f	age	
(3 cm. groups)	3	4	5	6	7	8	Total
3 9	6	12					18
42	52	60					112
5	31	428					459
5 8		410					410
51			123	254	62		439
4	40	81	162	83	42		408
4 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 haddock landed from 5Y South, Fall 1956, in hundreds of fish

Length			Y е	ars	o f	age			
(3 cm. groups)	2	3	4	5	6	7	8	9+	Total
36		16							16
9	5	58							63
42	57	134	114	38					343
5 8		241	723	80					1,044
8		374	830	259	106				1,569
51	12	23	576	471	47				1,129
4 7		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
3 6 9				111	78	78		63	330
9				13	13	33	20	7	86
72						5 9			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

Length (3 cm.			-		S O		g e		
groups)	2	3	4	5	6	7	8	9+	Total
39	9								9
42	113	19							132
5	94	212	23						329
8	21	407	246	43					717
51		246	439	11					696
$\frac{4}{7}$			223	73	55				351
7			118	54	65				237
60			41	72	31				144
3			11	34	46				91
6 9				15	22	8			45
9				19		18			37
72						2	2	1	5 2
5						2			2
Total	237	884	1,101	321	219	30	2	1	2,795

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

Length			<u>Y</u> e	a r s	o f	a g e			
(3 cm. groups)	2	3_	4	5	6	7	8	9+	Total
30		7							7
3 6 9									
6		58							58
9	14	353	94						461
42	170	589	865	81					1,705
5 8	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
$\frac{4}{7}$		178	1,412	799	751	240		15	3,395
		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
3 6 9				229	281	244	25	63	842
9				87	65	149	38	42	381
72 5					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 5Y (North and South combined) Spring 1956, in hundreds of fish

Length			Ϋ́ea	ars of	age				
(3-cm. groups)	2	Ú	Ŧ	5	6	7	8	9+	Total
30	7								7
33		42							42
3 6		485							485
3 9		923	293						1,216
4 2		1,118	1,352	43					2,513
4 5		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	7.6	106	18	59	271
7 2					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 5Y (North and South combined) Summer 1956, in hundreds of fish

Length				Years	of age				
(3-cm. grou	ps) 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 5Y (North and South combined) Fall 1956, in hundreds of fish

Length				Years	of age				
(3-cm. grou	ps) 2	3	4	5	6	7	8	9+	Total
33									
36	16	16							32
3 9	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	$\begin{array}{c} 2 \\ 12 \end{array}$	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	7.5
75				Ü	ĺ	19	1		25
78					-	7	-	4 1	8
81						•		-	_
01									
Гotal	172	1,361	3,612	2,124	1,005	568	82	130	9,054

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

Length	. 1			Years o	of age				
(3-cm. g	roups) 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 5Y (North and South combined) 1956 Haddock Year, in hundreds of fish

Length				Years	of age				
(3-cm. grou	ps) 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'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	5Z East			5Z West			5Z Total		
and	Catch		Days	Catch		Days	Catch		Days
m onths	per day	Catch	fished	per day	Catch	fished	per day	Catch	fished
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, 33 3	36 9	174	130,784	752	156	175, 117	1121
YEAR	134	368,738	2758	144	576, 309	4036	139	945,047	6794





