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## Economic Status of the Groundfish Fisheries off Alaska, 1990

by

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Lewis E. Queirolo, and Joseph M. Terry

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## ABSTRACT

The North Pacific groundfish fishery in the U.S. Exclusive Economic Zone (EEZ) has changed from primarily a foreign fishery up to 1984, to one where joint venture fisheries were dominant during 1986-88, and lastly, to one where the wholly domestic fishery harvested over 90% of the total catch. Foreign fishing ended in 1987. Joint venture fisheries, where the domestic fleet delivers their catch directly to foreign processors, peaked in 1987, then fell in 1989 to 531,000 metric tons (t) and to 133,300 t in 1990. The wholly domestic groundfish catch increased gradually from 1981 to 1986. The end of foreign fishing in the U.S. EEZ stimulated investment in at-sea and shored-based processors, and the domestic groundfish catch soared 980% from 1986 to 1990. The catch in 1990 amounted to 1.8 million t, up one-third from 1989.

This report presents the groundfish catch by area, species, gear, residency, and mode of operation, as well as ex-vessel- value and prices. The U.S. groundfish fleet in the North Pacific is also summarized by area, gear utilized, size, residency, and mode of operation. Lastly, the trends in North Pacific groundfish exports, U.S. groundfish imports, prices of competing products, consumption, foreign exchange rates, and holdings are reviewed.

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## INTRODUCTION

The groundfish fisheries off Alaska have become an important segment of the U.S. fishing industry with over 40.7% of the catch and 13.1% of the value of the 1990 catch off U.S. shores. This report describes the economic status of groundfish fisheries off Alaska in terms of catch, ex-vessel prices and value, the number of vessels, production of groundfish products, wholesale prices, exports, and cold storage holdings. External factors that, in part, determine the economic status of the fisheries are also discussed. These include foreign exchange rates, the prices and price indexes of products that compete with products from these fisheries, and fishery imports. This report is an update of last year's document (Terry et al. 1990) and is intended to serve as a reference document for those involved in making decisions with respect to conservation, management, and utilization of these fishery resources. The report also includes an appendix which describes the sources and the nature of the data presented in this report. The appendix expands on the qualifications made in both the verbal description of the fisheries and the footnotes to the tables. The appendix is critical in helping to avoid misunderstanding the information contained in this report.

The catch data were extracted from the Pacific Coast Fisheries Information Network (PacFIN) and from the Alaska Department of Fish and Game (ADF&G) fish ticket data bases. The description of the economic status is not complete; information on fishing effort (except the number of vessels), employment, and harvesting and processing costs is not available. These data gaps will be reduced in the future with implementation of expanded reporting requirements. Increased efforts to collect additional data and to analyze data concerning the fisheries will also reduce these deficiencies.

## OVERVIEW

The total catch in the commercial groundfish fisheries off Alaska increased from 1981 through 1988 with the 1988 catch of 2.1 million metric tons (t) exceeding the 1981 catch of 1.6 million t by 31% (Fig. 1 and Table 1). The 1989 catch totaled just under 1.9 million t, down 10% from 1988. The catch in 1990 amounted to 1,944,500 t, with 1,811,200 t for the domestic fishery and 133,300 t for the joint venture fishery.

In 1981, foreign vessels took nearly 93% of the catch; however, by 1988 the foreign fishery had been completely phased out and domestic fishing vessels operating in the domestic fishery and the joint venture fishery took 100% of the catch (Fig. 2 and Table 2).

Through 1986, the rapid increase in the catch by domestic vessels was due principally to the expansion of the joint venture fishery. In 1987, the domestic fishery catch increased more than did joint venture catch; and in 1988 and 1989, the joint venture catch declined as the domestic fishery began to replace the joint venture fishery. At its peak in 1987, the joint venture catch of just under 1.4 million t accounted for almost 75% of the total commercial groundfish catch off Alaska in the Exclusive Economic Zone (EEZ) and Alaska State waters combined. The 1990 joint venture catch amounted to 133,300 t and represented 6.9% of the total catch. The domestic catch of 1,811,200 t accounted for 93% of the 1990 catch.

Walleye (Alaska) pollock (*Theragra chalcogramma*) has been the dominant species in the commercial groundfish catch. In 1990, the pollock catch of 1.43 million t accounted for 74% of the total groundfish catch of 1.94 million t (Table 3). The next major species was Pacific cod (*Gadus macrocephalus*), with a catch of 245,700 t and comprising just under 13% of the



1990 catch. The other species harvested are flatfish (including yellowfin sole (Pleuronectes asper), rock sole (P. bilineatus), and Greenland turbot (Reinhardtius hippoglossoides), sablefish (Anoplopoma fimbria), rockfish (Sebastes and Sebastolobus spp.), and Atka mackerel (Pleurogrammus monopterygius). Pacific halibut (Hippoglossus stenolepis) is also an important groundfish; however, the halibut fishery is managed separately and data on this species are not included in this report.

The estimated ex-vessel value of the commercial groundfish catch off Alaska, including value of foreign and joint venture fisheries but excluding the value added by at-sea processing, increased from \$237 million in 1981 to \$475 million in 1990 (Table 4). The 1990 ex-vessel value was 12% greater than the 1989 value of \$425 million, primarily by the 32% increase in the wholly domestic catch. The joint venture catch declined by 68% from 1989. The wholesale value of the resulting fishery products was estimated to be about \$1.1 billion in 1990. The groundfish fisheries accounted for 32% of the ex-vessel value of all commercial fisheries off Alaska in 1990; they were exceeded in value only by the Pacific salmon (Oncorhynchus spp.) fisheries (Table 5).

The exports of groundfish products from the Pacific Northwest and Alaska provide another measure of the importance of the groundfish fisheries off Alaska. The value of other finfish exports, which includes most groundfish and Pacific halibut exports, increased from \$30 million in 1981 to \$796 million in 1990 (Table 6) (Kinoshita et al. 1991). This was the most rapidly growing component of this region's fishery exports, and in 1990 it accounted for 38.5% of the total. If joint venture sales are added to Pacific Northwest and Alaska exports, the value increases to \$824 million in 1990 (Fig, 3). The dramatic increase in groundfish exports understates the importance of the

groundfish fisheries off Alaska in terms of the U.S. balance of trade, as these fisheries have also been important in import substitution. That is, by providing substitutes for foreign fishery products, they have decreased U.S. imports.

The rapid expansion of the domestic fishery that began in 1987 continued through 1990 as it replaced the joint venture fishery. Although the number of large catcher-processors and motherships increased through 1990, the rate of increase has dramatically slowed as industrywide harvesting and processing capacity surpassed the total allowable catch. In addition, market conditions in the second half of 1990 changed as wholesale prices of major groundfish products increased, holdings declined, and the exchange rate turned more favorable with our major overseas customer, Japan. On the negative side, surimi prices weakened.

It is difficult to predict how exchange rates and foreign supplies of fishery products will change over the next few years., Exchange rates can change rapidly and significantly affect the economic status of the groundfish fisheries. There is also considerable uncertainty concerning the future conditions of stocks and the resulting quotas. What is certain is that continued increases in harvesting and processing capacity will decrease the utilization rates of that capacity. This in turn will increase costs and conflicts among domestic user groups. The management actions taken to benefit one group (or diminish the loss to one group) can significantly affect the economic well being of either the domestic fishery as a whole or segments of the industry. Continued concerns about the bycatch of crab, halibut, salmon, and herring, and to the physical and biological effects of the groundfish fishery on marine **mammals may** result in management actions that will decrease groundfish catches and increase operating costs.

## DOMESTIC FISHERY

Trawl, longline, pot, and other gear are used in the domestic groundfish fishery. Annual catch for virtually every gear group, area, and species increased dramatically from 1981 to 1990 (Table 7). In the last 4 years, the catch by trawls has averaged 94.6% of the total catch, while the catch by longline and other hook-and-line gear accounted for 4.8% of the catch. Most species are harvested predominately by one type of gear, which typically accounts for 90% or more of the catch. The one exception is Pacific cod, where about 74% was taken by trawls, 21% by hook-and-line gear, and 5% by pots.

Catch for at-sea processing has been the largest and fastest growing component of the domestic fishery. It increased from 106,200 t in 1986 to 529,500 t in 1988 and to 1,371,100 t in 1990 (Fig. 4 and Table 8). The catch for shore-based processing increased from 61,500 t in 1986 to 437,100 t in 1990. The relative catch of these two types of operations varies by area and in the Gulf of Alaska by species. In the Bering Sea/Aleutian Islands region, catch for at-sea processing exceeds that taken for shore-based processing for each species. The opposite is true in the Gulf of Alaska, with the main exception being flatfish and rockfish.

Catch by residency of permit holder is presented in Table 9. These data were extracted from the National Marine Fisheries Service (NMFS) groundfish fish ticket data base which includes the stated residency of each vessel owner and from the State of Alaska vessel registration file. The PacFIN data base does not include residency information. Due to other differences in these two data bases, the catch reported by each differs in some instances. For the domestic groundfish fishery as a whole, the majority of the catch is taken by

fishermen who indicated that they are not residents of Alaska. In 1990, the catch by residents of Alaska, other U.S. residents, and those of unknown residence were 110,900 t, 1,555,900 t, and 143,300 t, respectively. The catches of the two known residence groups are much closer to being equal in the Gulf of Alaska. Alaska residents **account** for more of the sablefish catch in the Gulf than do other residents. That is not true in the Bering Sea and Aleutian Islands region, where the catch is dominated by non-Alaska residents.

The ex-vessel value of the domestic catch, excluding the value added by at-sea processing, increased from \$240 million in 1988 to \$447 million in 1990 (Fig. 5 and Table 10). This 86% increase in ex-vessel value is less than the 125% increase in catch. Pollock was the dominant species with 60% of the total ex-vessel value, while accounting for 78% of the total catch. Sablefish accounted for 11% of the value compared to only 1.8% of the catch, while Pacific cod represented about 20% of the value and 13% of the quantity landed.

In 1990, the ex-vessel values of catch for at-sea processing and shore-based processing were \$324 million and \$122 million, respectively (Table 11). The dominance of catch for at-sea processing is less when it is measured in terms of ex-vessel value than when it is measured in terms of the round weight equivalent of landings. This is because the shore-based processors receive a product mix with a larger proportion of higher priced species, including sablefish.

The percentage of catch taken by Alaska residents is also greater when measured in terms of ex-vessel value rather than in terms of weight. The estimated ex-vessel values of the 1990 catch of Alaska residents, other residents, and fishermen of unknown residence were \$46 million, \$346 million, and \$28 million, respectively (Table 12).

The overall weighted average ex-vessel price, excluding the value added by at-sea processing, declined each year from 1984 to 1989, but remained virtually unchanged in 1990 (Table 13). This occurred, despite increases in the prices of most species, because of the much more rapid increases in the catch of the lower priced species such as pollock. The average price of pollock increased from \$0.079 per pound in 1989 to \$0.087 in 1990. The price of sablefish has exhibited the largest increase in both relative and absolute terms. It increased by almost 200% from 1984 to 1988 before decreasing by 13% to \$0.83 per pound round weight in 1989. Average ex-vessel prices for sablefish in 1990 fell further to \$0.70 per pound. The ex-vessel price of Pacific cod increased 18% in 1990 to \$0.173 per pound from \$0.146 in 1989.

The percentage distributions of landings and ex-vessel value among species, areas of catch, gear groups, and areas of residency are presented in Tables 14 through 19. These data summarize changes in the relative sizes of different components of the domestic groundfish fishery off Alaska.

The number of vessels harvesting groundfish off Alaska did not consistently increase on an annual basis, as did catch. The total number increased from 1,449 in 1986 to 1,859 in 1987, declined to 1,749 in 1988 and to 1,576 in 1989, then increased to 1,919 in 1990 (Table 20). During this period, the number of trawl vessels increased annually. The most rapid rate of growth was for the largest vessel classes (Fig. 6). For example, the number of trawlers at least 185 feet in length increased from 3 in 1986 to 35 in 1990 (Table 21).

The numbers of vessels harvesting groundfish for at-sea and shore-based processing are presented by area and species in Table 22 and by residency in Table 23. The seasonality of vessel deployment is depicted in Table 24, which gives the number of vessels that harvested groundfish by month, area; and

gear. Table 25 gives the number of catcher-processors and motherships by month, area, and gear.

Starting in 1990, data on production of groundfish products are shown in Table 26. The value of the 1990 production was estimated at \$1.1 billion, with pollock surimi, pollock fillets, and headed and gutted cod being the **major** products.

#### MARKETS

Annual and monthly wholesale prices for several groundfish products are reported in Tables 27 and 28, respectively. The annual prices typically peaked in 1987 and declined in 1988. The monthly data indicate that prices began to recover in 1989 and continued to increase in 1990. Prices of cod fillets and blocks hit record highs in the second half of 1990.

The F.O.B. Seattle prices in Table 29 indicate that only some prices have begun to recover from the declines that occurred in 1988; however, annual 1989 prices were still below 1988 levels. The Japanese landed and wholesale prices in Tables 30 and 31 also indicate only partial price recoveries for some products. The sablefish ex-vessel price recovered from weaker prices in 1989 in the Tokyo wholesale market (Table 32). A major concern in 1989 and into 1990 was the decline in Japanese wholesale price of surimi, down about 8% from 1988 to 1989. Surimi prices remained weak in 1990, although prices increased slightly in the second half of 1990.

Exports of groundfish from Washington and Alaska customs districts in 1990 were about 50% above 1989 exports and were up 290% since 1986. The increase in groundfish exports has resulted primarily from the expansion of the catcher-processor fleet and the shoreside plants. Groundfish exports in 1990 were made up of \$114 million of cod, \$68 million of sablefish,

\$207 million of other whole or dressed fish, \$22 million of fillets, \$15 million of dried or salted fish, \$104 million of roe, and \$257 million of other fishery products (Tables 33 and 34). The increase of other fishery products to \$257 million resulted from the continued expansion of U.S. surimi production. Because surimi is not identified in the U.S. schedule of exports, it can be reported in five or six different product codes with other products. U.S. exports can be matched with Japanese surimi imports except that they include U.S. joint venture production. When an estimated joint venture surimi production of 3,000-4,000 t is subtracted from the total, U.S. exports to Japan are about 130,000 t or 287 million pounds (lb), compared to the 257 million lb in the "other" category (Atkinson 1991).

Japan dominated the U.S. export market and the top four countries purchased nearly 91% of the total. Japan imported \$559 million of Northwest and Alaska groundfish or 70% of the total value. The Republic of Korea was a distant second with purchases of \$85 million or 10.7% of the total. The Federal Republic of Germany was the third largest importer with \$46 million, followed by Canada with \$30.7 million (Kinoshita et al. 1991). Due to the heavy dependence on foreign markets for many groundfish products, these markets greatly influence the economic status of the groundfish fisheries off Alaska.

The economic status of these fisheries is also dependent on U.S. imports of competing fishery products. The import data in Tables 35 through 37 provide information on both the potential level of import substitution that might be possible and the prices with which domestic products compete.

Changes in the size of the domestic market are reflected by the upward trend in U.S. per capita consumption of fishery products from 12.5 lb per capita in 1980 to 15.5 lb in 1990 (Table 38). Per capita consumption of

fresh and frozen fish increased from 7.9 lb in 1980 to 10.1 lb in 1990. There was a 0.1 lb decline in both the total 1990 per capita consumption of fish and shellfish, and of fresh and frozen fish (NMFS 1991). Not all seafood products have exhibited an increase in per capita consumption. While per capita consumption of fillets and steaks increased by 50% between 1980 and 1990, consumption of fish sticks and portions decreased by 27% (Table 39).

Fishery products from the groundfish fisheries off Alaska compete in domestic markets with other fishery products, meat, poultry, and other food products. The producer and consumer price indexes for these products are presented in Tables 40 and 41. Higher meat prices in 1990 have tended to strengthen the market for fishery products, while poultry prices were unchanged from 1989.

Due to both the large amount of groundfish that is exported from the fisheries off Alaska and the large quantities of imported products that compete in the domestic market, foreign exchange rates have significant effects on the prices in these fisheries. In 1990, the value of the dollar relative to many foreign currencies was stronger than it had been for several years (Table 42). This made it more difficult to sell U.S. groundfish products in both foreign and domestic markets. The value of the dollar relative to the Japanese yen in the second half of 1990 fell by 17%, thereby making U.S. exports less expensive in Japan, while the 1.7% increase relative to the Canadian dollar had the opposite effect (Table 43). The U.S. dollar was up 5.4% relative to the Republic of Korea's won.

The levels of fishery product inventories provide another measure of the condition of groundfish markets. In an established market, increased inventories typically indicate an imbalance in supply and demand that will result in declining prices. In a new or rapidly growing market, an increase



in inventories may be simply a reflection of the increasing market size. U.S. holdings of selected groundfish products are reported in Tables 44 and 45. U.S. cold storage holdings of groundfish fillets and blocks at the end of 1990 were off about 43% from a year ago.

While U.S. holdings offer an overall view of the U.S. groundfish market, West Coast holdings provide a regional view of the supply of West Coast groundfish products (Table 46). Holdings of pollock fillets, surimi, and analog products on the West Coast have grown with increases in production over **the** last 4 years. Holdings of pollock fillets on 31 December 1990 were down 62% from a year earlier, surimi holdings were 18% above a year earlier, and analog products were 53% lower compared to last year, as well.

## CITATIONS

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## APPENDIX

## THE SOURCES AND NATURE OF THE DATA

The Pacific Coast Fisheries Information Network (PacFIN) is the source of most of the groundfish catch, landings, ex-vessel value, and ex-vessel price data in this report. Exceptions are the estimates of the ex-vessel values of the joint venture and foreign fisheries, which were provided by the Alaska Regional Office of the NMFS. The Alaska Regional Office is also the source of the estimates of the ex-vessel values of the nongroundfish fisheries. Catch and value data by residency are generated from Alaska Department of Fish and Game (ADF&G) fish ticket and vessel registration data using PacFIN prices.

PacFIN reports catch data for the joint venture and foreign fisheries. These data are provided to PacFIN by the Alaska Fisheries Science Center's Vessel Observer Program. For the domestic fisheries, PacFIN reports the estimated round weight equivalent of the landed catch. Therefore, discarded catch is not included for the domestic fisheries. The domestic landings data are provided to PacFIN by the Alaska Regional Office's Processor Weekly Reporting Program and the ADF&G Fish Ticket Program.

All the ex-vessel price and value data reported in PacFIN are from the ADF&G fish ticket data base. Typically, price or value data are provided for catch taken for shore-based processing, but not for catch taken for at-sea processing. The limited price and value fish ticket data for the latter type of operations are not used by PacFIN. Therefore, PacFIN contains estimates of ex-vessel prices for landings at shore-based processing plants. These prices are applied to all landings for at-sea and shore-based processing to estimate

the ex-vessel value of all catch in the domestic fisheries excluding the value added by at-sea processing.

The prices reported are in terms of dollars per pound round weight. This means, for example, if the landed weight of sablefish is, on average, 65% of its round weight, the price per pound landed weight equals the round weight price reported in PacFIN and this report divided by 0.65.

The catch and value reports that include information on the mode of operation (i.e., catch for shore-based and at-sea processing) were extracted from the PacFIN data base. The catch for at-sea processing was set equal to all the catch reported from the Alaska Regional Office Processor Weekly Reporting Program plus all additional catch from the ADF&C Fish Ticket Program that contained a port code that indicated that the catch was not landed for shore-based processing. This method is expected to provide good **estimates** of the catch of these two types of operations. More accurate estimates can be generated, but only with considerably more effort.

As noted above, PacFIN was not the source of any reports that include information by residency. The PacFIN data base does not currently include data by vessel; therefore, it cannot be used to estimate catch by residency. The groundfish fish ticket data base maintained at the Alaska Regional Office, the vessel registration file and condensed gross earnings file maintained by the Alaska Commercial Fisheries Entry Commission, and PacFIN ex-vessel prices were used to generate catch and value by residency. The vessel registration file indicates which vessel owners have declared themselves to be residents of Alaska, -and **the** fish ticket file includes the vessel for which the catch is reported. This is the method most often used to distinguish between catch by Alaska residents and other residents. The category of unknown residency

occurs when the gear permit associated with catch on a fish ticket is unknown or when the permit file does not indicate residency.

With the exception of Table 25, all the reports on the number of vessels are based on fish ticket data. The vessel counts are counts of unique ADF&G vessel numbers and are, therefore, estimates of the numbers of vessels that caught fish. They do not include vessels that only processed fish. The information in Table 25 is based on data from the Alaska Regional Office Processor Weekly Reporting Program and does include the numbers of catcher-processors and motherships reporting catch to that program. The coverage of that program has increased-annually since 1986 when it was initiated. The increased coverage is the result of annual changes in reporting requirements.

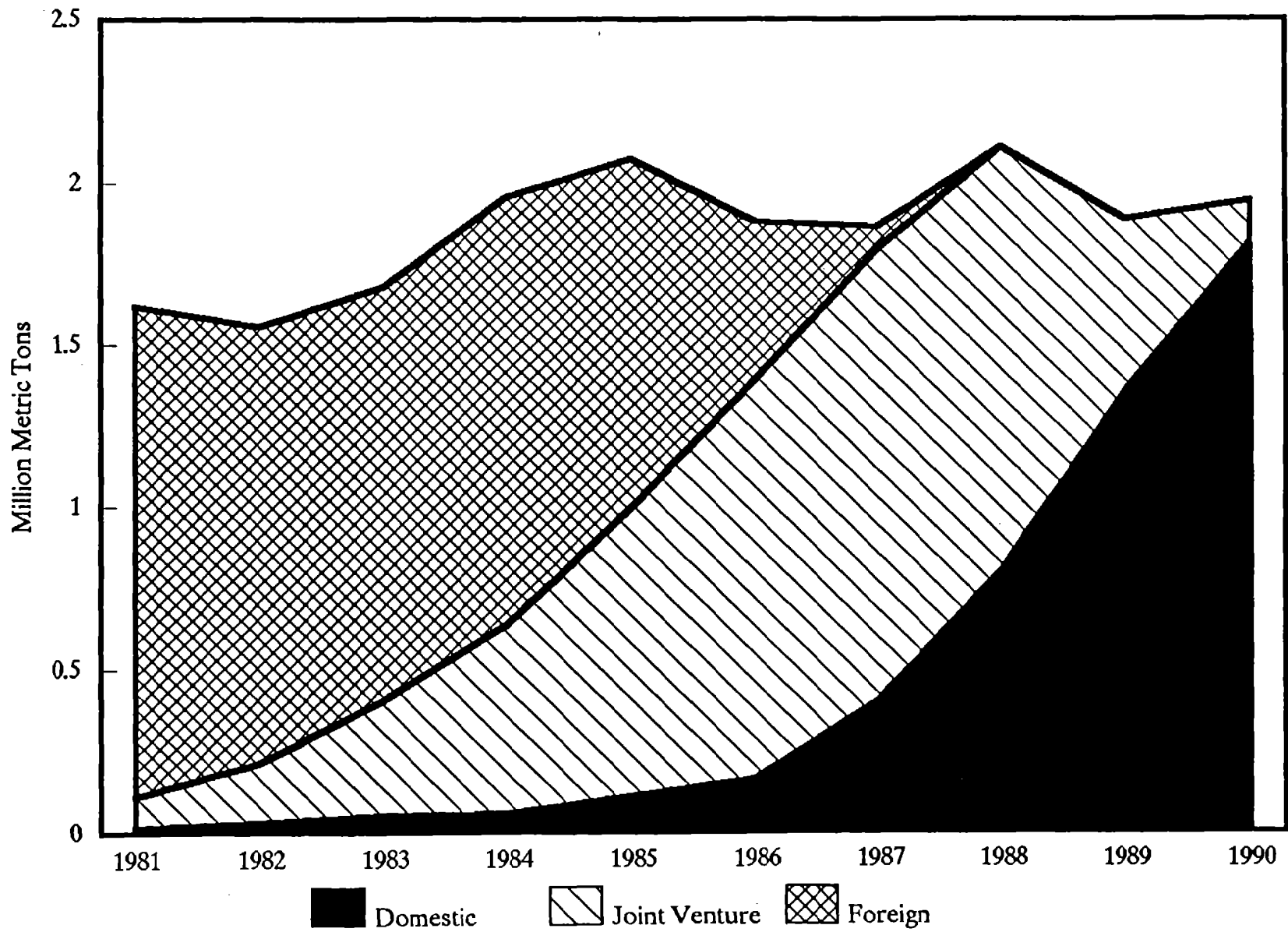


Figure 1. — Groundfish catch in the commercial fisheries off Alaska by fishery, 1981–90.

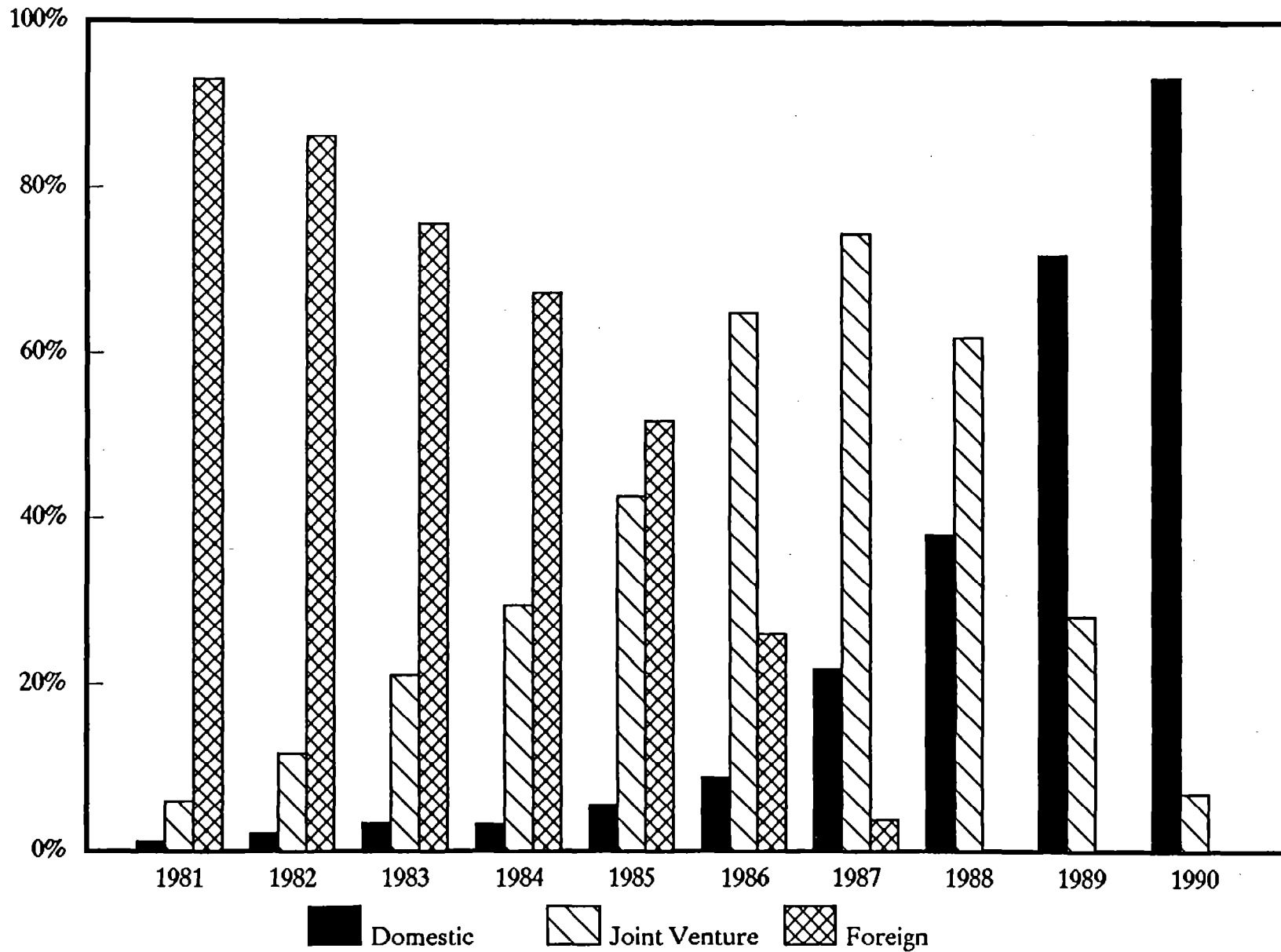


Figure 2 --Percentage distribution of the commercial groundfish catch off Alaska among fisheries, 1981-90.

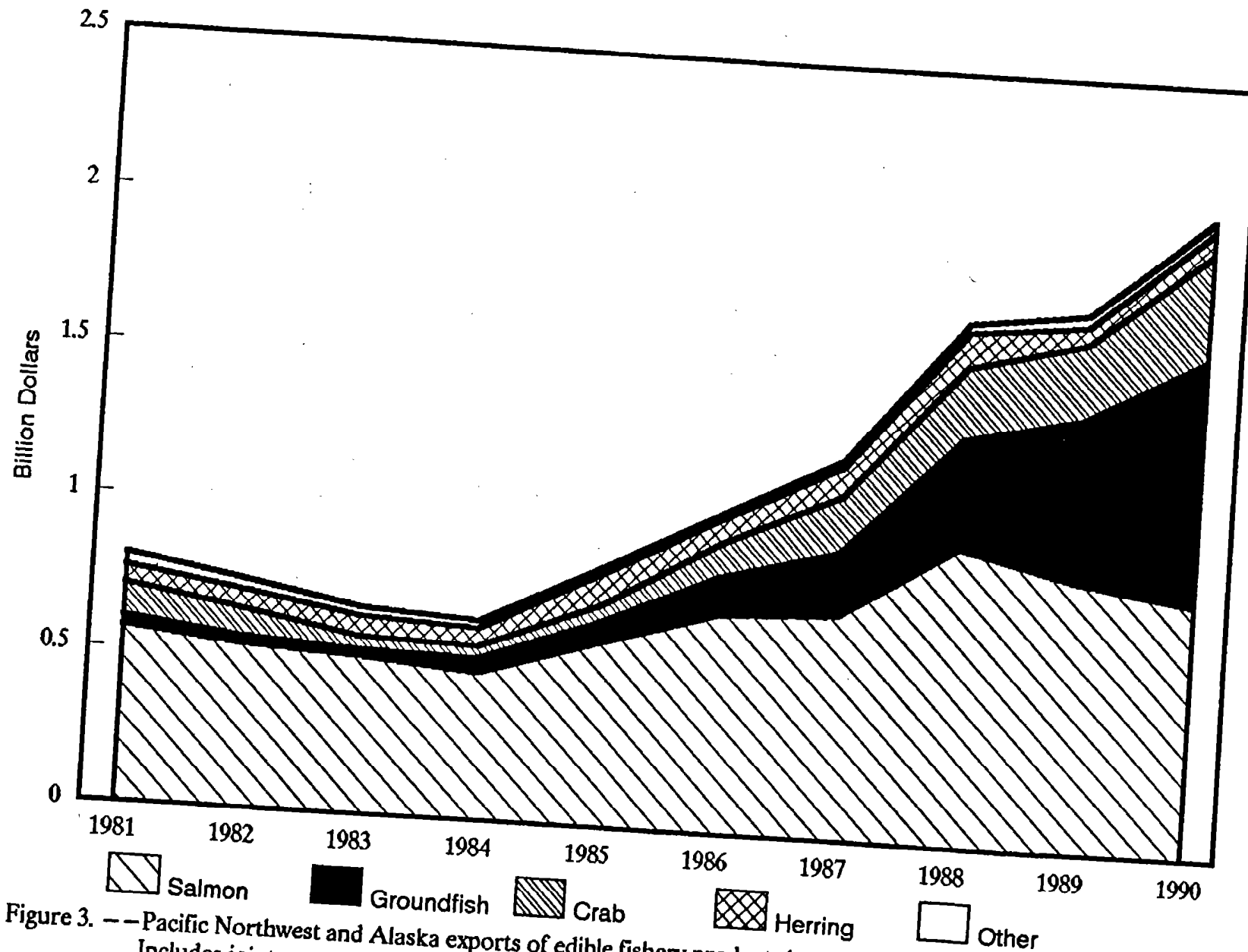


Figure 3. -- Pacific Northwest and Alaska exports of edible fishery products by major product groups, 1981-90. Includes joint venture sales.



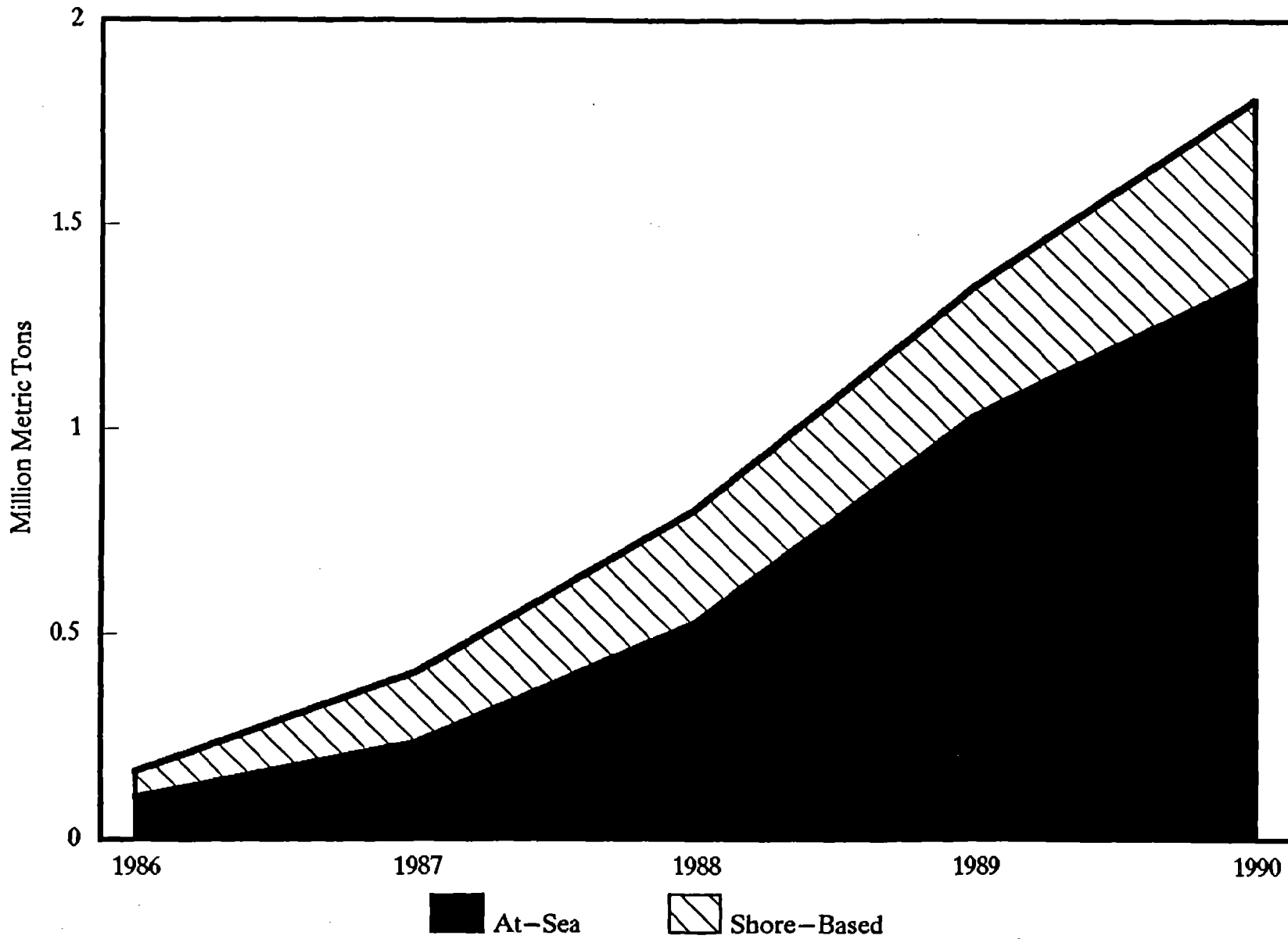


Figure 4. -- Groundfish catch in the domestic fishery off Alaska by mode of operation, 1986-90.

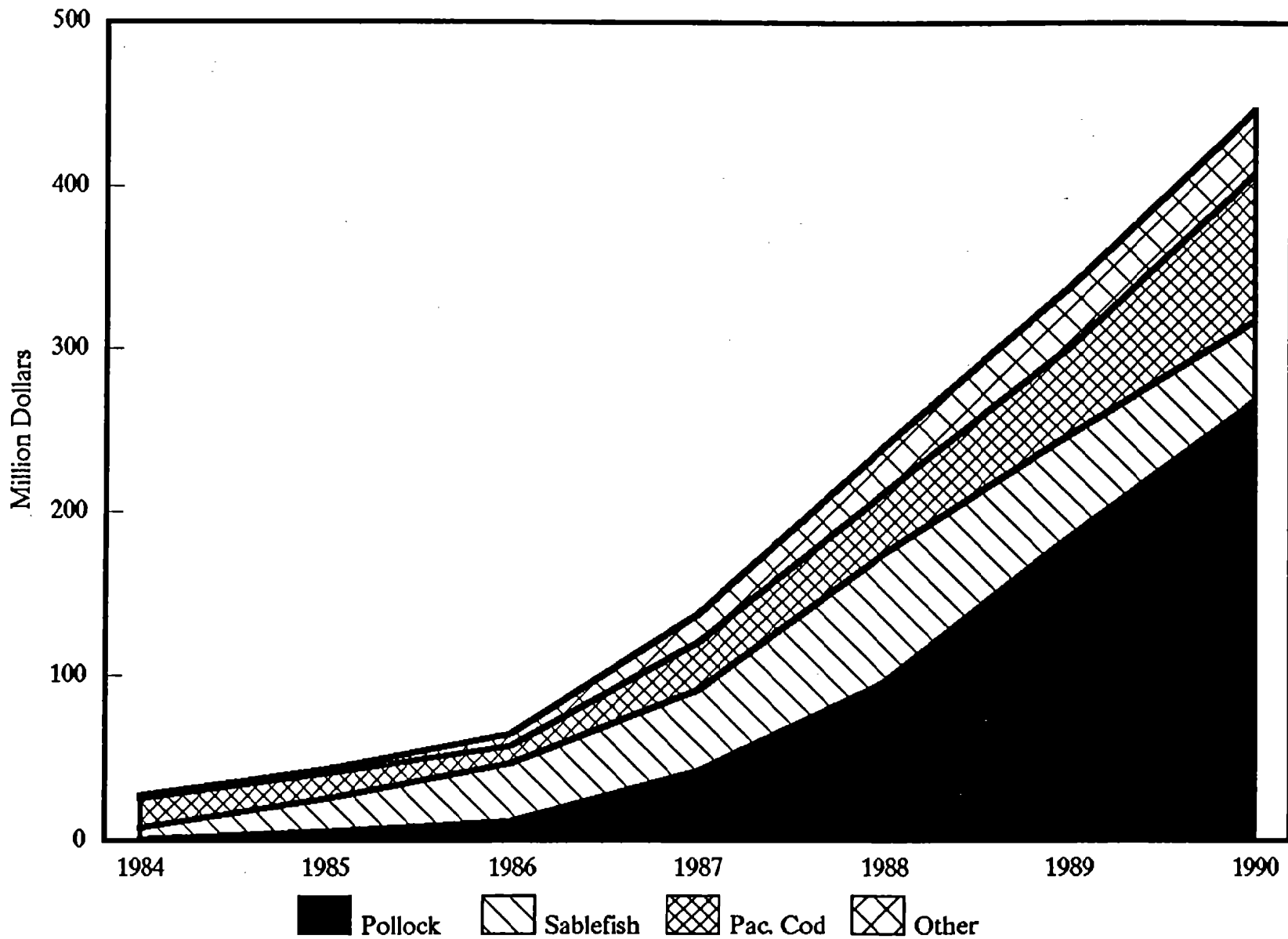


Figure 5. -- Ex-vessel value of domestic groundfish catch off Alaska by species, 1984-90.

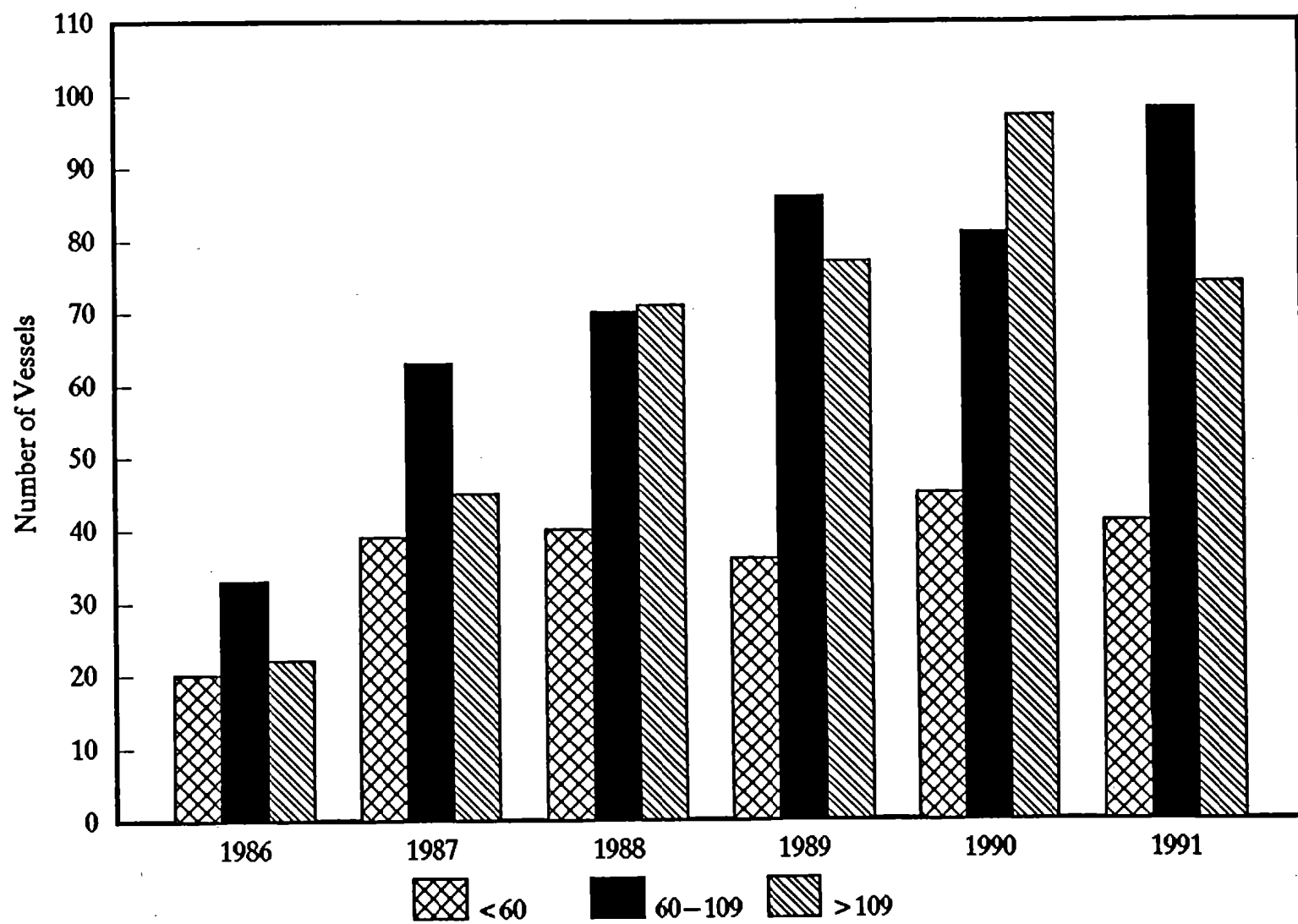


Figure 6. -- Number of vessels that landed groundfish in the domestic fishery off Alaska using trawl gear by length class in feet, 1986-91.

Table 1.- Groundfish catch in the commercial fisheries off Alaska by area and fishery, 1981-90 (1,000 metric tons, round weight).

Year	Fishery			Total
	Domestic	Joint venture	Foreign	
Gulf of Alaska				
1981	4.5	17.0	232.5	254.0
1982	8.0	74.4	153.7	236.2
1983	9.1	143.0	147.5	299.5
1984	14.8	219.6	123.7	358.1
1985	33.2	247.2	41.0	321.4
1986	61.0	65.3	15.5	141.8
1987	111.4	32.5	0.0	143.9
1988	143.8	3.8	0.0	147.6
1989	167.4	0.0	0.0	167.4
1990	219.8	0.0	0.0	219.8
Bering Sea/Aleutians				
1981	14.4	78.5	1,272.9	1,365.8
1982	25.2	108.3	1,186.2	1,319.8
1983	46.5	210.0	1,123.8	1,380.4
1984	48.4	357.5	1,191.2	1,597.2
1985	81.5	636.4	1,033.4	1,751.3
1986	106.0	1,156.5	475.2	1,737.7
1987	295.9	1,355.4	68.7	1,720.0
1988	659.9	1,301.1	0.0	1,961.0
1989	1,185.1	531.0	0.0	1,716.1
1990	1,591.0	133.3	0.0	1,724.3
All Alaska				
1981	18.9	95.5	1,505.4	1,619.8
1982	33.3	182.8	1,339.9	1,556.0
1983	55.5	353.0	1,271.3	1,679.9
1984	63.2	577.2	1,314.9	1,955.3
1985	114.7	883.6	1,074.4	2,072.6
1986	167.7	1,221.7	490.7	1,880.1
1987	407.3	1,388.0	68.7	1,864.0
1988	803.7	1,304.8	0.0	2,108.6
1989	1,352.6	531.0	0.0	1,883.6
1990	1,811.2	133.3	0.0	1,944.5

Notes: Domestic catch statistics reflect only the amounts that were landed.

Source: National Marine Fisheries Service office of the Pacific Marine Fisheries Commission, Pacific Fisheries Information Network, 7600 Sand Point Way N.E., BIN C15700, Seattle, WA 98115-0070.

Table 2.- -Percentage distribution of commercial groundfish catch off Alaska among fisheries by area, 1981-90.

Year	Fishery		
	Domestic	Joint venture	Foreign
Gulf of Alaska			
1981	1.8	6.7	91.5
1982	3.4	31.5	65.1
1983	3.0	47.7	49.2
1984	4.1	61.3	34.5
1985	10.3	76.9	12.8
1986	43.0	46.0	11.0
1987	77.4	22.6	0.0
1988	97.4	2.6	0.0
1989	100.0	0.0	0.0
1990	100.0	0.0	0.0
Bering Sea/Aleutians			
1981	1.1	5.8	93.2
1982	1.9	8.2	89.9
1983	3.4	15.2	81.4
1984	3.0	22.4	74.6
1985	4.7	36.3	59.0
1986	6.1	66.6	27.3
1987	17.2	78.8	4.0
1988	33.7	66.3	0.0
1989	69.1	30.9	0.0
1990	92.3	7.7	0.0
All Alaska			
1981	1.2	5.9	92.9
1982	2.1	11.7	86.1
1983	3.3	21.0	75.7
1984	3.2	29.5	67.3
1985	5.5	42.6	51.8
1986	8.9	65.0	26.1
1987	21.9	74.5	3.7
1988	38.1	61.9	0.0
1989	71.8	28.2	0.0
1990	93.1	6.9	0.0

Notes: Domestic catch statistics reflect only the amounts that were landed.

Source: National Marine Fisheries Service office of the Pacific Marine Fisheries Commission, Pacific Fisheries Information Network, 7600 Sand Point Way N.E., BIN C15700, Seattle, WA 98115-0070.

Table 3.-- Groundfish catch in the commercial fisheries off Alaska by area, fishery, and species, 1981-90  
(1,000 metric tons, round weight).

Species/ Year	Gulf of Alaska				Bering Sea/Aleutians				All Alaska			
	Domestic	Joint venture	Foreign	Total	Domestic	Joint venture	Foreign	Total	Domestic	Joint venture	Foreign	Total
<b>Pollock</b>												
1981	0.6	16.9	130.3	147.7	0.2	42.1	986.9	1,029.3	0.8	58.9	1,117.3	1,177.0
1982	2.2	73.9	92.6	168.7	0.2	54.5	959.3	1,014.0	2.4	128.4	1,051.9	1,182.8
1983	0.1	134.1	81.4	215.6	1.1	149.0	891.5	1,041.6	1.2	283.1	972.8	1,257.2
1984	1.0	207.1	99.3	307.4	7.3	237.0	933.0	1,177.3	8.4	444.1	1,032.2	1,484.7
1985	15.4	237.9	31.6	284.8	30.8	377.5	820.3	1,228.6	46.1	615.4	851.9	1,513.4
1986	21.3	62.6	0.1	84.0	57.9	835.1	352.3	1,245.3	79.8	897.7	352.4	1,329.9
1987	39.9	22.8	0.0	62.7	215.5	1,044.5	3.6	1,263.6	255.3	1,067.3	3.6	1,326.3
1988	55.7	0.2	0.0	55.9	522.6	826.4	0.0	1,349.0	578.3	826.6	0.0	1,404.9
1989	66.6	0.0	0.0	66.6	993.7	287.8	0.0	1,281.5	1,060.4	287.8	0.0	1,348.2
1990	77.8	0.0	0.0	77.8	1,330.5	22.4	0.0	1,352.9	1,408.7	22.4	0.0	1,431.1
<b>Sablefish</b>												
1981	1.9	0.0	8.0	9.9	0.0	0.2	3.0	3.1	1.9	0.2	10.9	13.1
1982	2.9	0.0	5.6	8.6	0.2	0.1	3.8	4.1	3.1	0.1	9.5	12.7
1983	3.8	0.3	5.0	9.0	0.1	0.1	3.2	3.4	3.9	0.4	8.1	12.4
1984	8.9	0.5	1.1	10.5	1.1	0.3	1.9	3.3	9.9	0.9	3.0	13.8
1985	11.4	0.2	0.0	11.6	3.4	0.1	0.3	3.8	14.7	0.3	0.4	15.4
1986	21.7	0.0	0.0	21.7	6.0	0.4	0.1	6.6	27.8	0.5	0.1	28.4
1987	26.3	0.2	0.0	26.5	7.8	0.1	0.0	7.9	34.1	0.3	0.0	34.5
1988	31.0	0.0	0.0	31.0	6.6	0.0	0.0	6.6	37.6	0.1	0.0	37.6
1989	29.8	0.0	0.0	29.8	4.5	0.0	0.0	4.5	34.3	0.0	0.0	34.3
1990	27.3	0.0	0.0	27.3	4.5	0.0	0.0	4.5	31.8	0.0	0.0	31.8
<b>Pacific Cod</b>												
1981	1.1	0.1	35.0	36.1	14.1	9.2	39.1	62.4	15.2	9.2	74.1	98.5
1982	2.2	0.2	26.9	29.4	24.9	13.5	28.2	66.5	27.1	13.7	55.1	95.9
1983	4.2	2.4	29.8	36.4	42.0	14.4	41.5	97.8	46.2	16.8	71.3	134.2
1984	3.2	4.6	15.9	23.8	38.7	30.8	58.5	127.9	41.9	35.4	74.4	151.7
1985	3.0	2.3	9.1	14.3	45.8	41.3	57.2	144.3	48.8	43.5	66.3	158.6
1986	8.0	1.4	15.2	24.6	34.2	64.0	39.9	138.1	42.3	65.3	55.1	162.7
1987	29.5	2.0	0.0	31.4	44.7	58.2	54.7	157.6	74.2	60.1	54.7	189.1
1988	30.9	1.7	0.0	32.6	87.2	109.9	0.0	197.1	118.1	111.6	0.0	229.6
1989	41.8	0.0	0.0	41.8	123.8	44.6	0.0	168.4	165.4	44.6	0.0	210.1
1990	74.6	0.0	0.0	74.6	162.9	8.1	0.0	171.0	237.6	8.1	0.0	245.7

Table 3. --Continued.

Species/ Year	Gulf of Alaska				Bering Sea/Aleutians				All Alaska			
	Domestic	Joint venture	Foreign	Total	Domestic	Joint venture	Foreign	Total	Domestic	Joint venture	Foreign	Total
<b>Flatfish</b>												
1981	0.4	0.0	14.4	14.9	0.0	22.0	173.2	195.2	0.4	22.1	187.6	210.1
1982	0.3	0.0	9.0	9.3	0.0	26.6	155.3	181.9	0.3	26.7	164.3	191.2
1983	0.4	2.7	9.5	12.7	0.0	34.3	166.3	200.6	0.4	37.0	175.8	213.3
1984	0.4	3.4	3.0	6.9	0.0	50.2	186.1	236.3	0.5	53.6	189.2	243.2
1985	0.5	2.4	0.2	3.1	0.1	172.7	147.6	320.5	0.5	175.2	147.8	323.6
1986	1.5	1.0	0.1	2.6	6.6	216.9	78.0	301.4	8.1	217.8	78.0	303.9
1987	2.7	7.2	0.0	9.9	24.2	215.6	7.5	247.3	26.9	222.8	7.5	257.2
1988	7.0	1.8	0.0	8.8	38.5	331.0	0.0	369.5	45.5	332.8	0.0	378.3
1989	5.2	0.0	0.0	5.2	37.1	193.7	0.0	230.8	42.3	193.7	0.0	236.0
1990	15.4	0.0	0.0	15.4	42.2	99.6	0.0	141.8	57.6	99.6	0.0	157.2
<b>Rockfish</b>												
1981	0.4	0.0	17.9	18.2	0.0	0.0	7.3	7.4	0.4	0.0	25.2	25.6
1982	0.3	0.0	10.5	10.7	0.0	0.0	4.9	4.9	0.3	0.0	15.3	15.6
1983	0.4	2.3	7.8	10.6	0.0	0.1	2.0	2.1	0.4	2.4	9.8	12.7
1984	1.1	2.0	3.2	6.3	1.3	0.6	0.9	2.9	2.4	2.7	4.1	9.1
1985	2.7	0.3	0.0	3.0	0.9	0.5	0.1	1.5	3.7	0.8	0.1	4.6
1986	7.9	0.1	0.0	8.0	1.1	0.5	0.0	1.6	8.9	1.1	0.6	9.6
1987	12.7	0.2	0.0	12.9	2.7	0.9	0.0	3.6	15.4	1.0	0.0	16.4
1988	18.4	0.0	0.0	18.4	2.6	2.1	0.0	4.7	21.0	2.1	0.0	23.1
1989	23.4	0.0	0.0	23.4	7.3	0.1	0.0	7.3	30.7	0.1	0.0	30.8
1990	21.1	0.0	0.0	21.1	25.2	0.0	0.0	25.2	46.3	0.0	0.0	46.3
<b>Atka Mackerel</b>												
1981	0.0	0.0	18.7	18.7	0.0	1.6	18.1	19.7	0.0	1.6	36.8	38.4
1982	0.0	0.0	6.8	6.8	0.0	12.5	7.4	19.9	0.0	12.5	14.2	26.6
1983	0.0	0.8	11.5	12.3	0.0	10.5	1.2	11.7	0.0	11.3	12.7	24.0
1984	0.0	0.6	0.5	1.2	0.0	35.9	0.1	36.1	0.0	36.5	0.6	37.2
1985	0.0	1.8	0.0	1.8	0.0	37.9	0.0	37.9	0.0	39.7	0.0	39.7
1986	0.0	0.0	0.0	0.0	0.0	32.0	0.0	32.0	0.0	32.0	0.0	32.0
1987	0.0	0.0	0.0	0.0	0.1	30.1	0.0	30.2	0.1	30.1	0.0	30.2
1988	0.1	0.0	0.0	0.1	1.9	19.6	0.0	22.6	2.0	19.6	0.0	21.6
1989	0.2	0.0	0.0	0.2	18.3	0.1	0.0	18.3	18.4	0.1	0.0	18.5
1990	0.1	0.0	0.0	0.1	22.2	0.0	0.0	22.2	22.3	0.0	0.0	22.3

Notes: The joint venture and foreign data are estimates of catch; however, the domestic data are estimates of landed catch excluding discards.

Source: National Marine Fisheries Service office of the Pacific Marine Fisheries Commission, Pacific Fisheries Information Network, 7600 Sand Point Way N.E., BIN C15700, Seattle, WA 98115-0070.

Table 4.- -Ex-vessel value of the groundfish catch in the commercial fisheries off Alaska by fishery, 1981-90 (\$ millions and percentage of total).

Year	Fishery			Total
	Domestic	Joint venture	Foreign	
Value (\$ millions)				
1981	7.1	14.4	215.7	237.2
1982	13.7	25.0	172.3	211.0
1983	17.9	37.2	132.9	188.0
1984	27.6	64.6	147.2	239.4
1985	43.7	98.6	117.8	260.1
1986	65.3	143.7	59.6	268.6
1987	137.8	188.0	10.9	336.7
1988	240.0	204.6	0.0	444.6
1989	338.6	86.7	0.0	425.3
1990	447.2	27.7	0.0	474.9
Percentage of total				
1981	3.0	6.1	90.9	100.0
1982	6.5	11.8	81.7	100.0
1983	9.5	19.8	70.7	100.0
1984	11.5	27.0	61.5	100.0
1985	16.8	37.9	45.3	100.0
1986	24.3	53.5	22.2	100.0
1987	40.9	55.8	3.2	100.0
1988	54.0	46.0	0.0	100.0
1989	79.6	20.4	0.0	100.0
1990	94.2	5.8	0.0	100.0

Note : The value added by at-sea processing is not included in these estimates of ex-vessel value.

Source: National Marine Fisheries Service, Alaska Regional Office; and National Marine Fisheries Service office of the Pacific Marine Fisheries Commission, Pacific Fisheries Information Network, 7600 Sand Point Way N.E., BIN C15700, Seattle, WA 98115-0070.



Table 5.- -Ex-vessel value of the catch in the commercial fisheries off Alaska by species group, 1981-90 (\$ millions and percentage of total).

Year	Shellfish	Salmon	Herring	Halibut	Groundfish	Total
Value (\$ millions)						
1981	211.6	398.0	19.9	18.8	237.2	885.5
1982	216.5	310.7	19.9	25.7	211.0	783.8
1983	147.7	320.6	29.8	43.0	188.0	729.1
1984	103.4	343.0	20.4	19.6	239.4	725.8
1985	106.9	389.6	36.9	37.5	260.1	831.0
1986	183.0	404.1	38.4	70.1	268.6	964.2
1987	215.2	473.0	41.7	76.3	336.7	1,142.9
1988	235.6	744.9	56.0	66.1	444.6	1,547.1
1989	279.2	506.7	18.7	84.4	425.3	1,314.3
1990	355.1	546.7	24.0	86.9	474.9	1,487.6
Percentage of total						
1981	23.9	44.9	2.2	2.1	26.8	100.0
1982	27.6	39.6	2.5	3.3	26.9	100.0
1983	20.3	44.0	4.1	5.9	25.8	100.0
1984	14.2	47.3	2.8	2.7	33.0	100.0
1985	12.9	46.9	4.4	4.5	31.3	100.0
1986	19.0	41.9	4.0	7.3	27.9	100.0
1987	18.8	41.4	3.6	6.7	29.5	100.0
1988	15.2	48.2	3.6	4.3	28.7	100.0
1989	21.2	38.6	1.4	6.4	32.4	100.0
1990	23.9	36.8	1.6	5.8	31.9	100.0

Note: The value added by at-sea processing is not included in these estimates of ex-vessel value. Includes joint venture and foreign groundfish catch.

Source: National Marine Fisheries Service, Alaska Regional Office; and National Marine Fisheries Service office of the Pacific Marine Fisheries Commission, Pacific Fisheries Information Network, 7600 Sand Point Way N.E., BIN C15700, Seattle, WA 98115-0070.

Table 6.--Value of Pacific Northwest and Alaska exports of edible fishery products or product groups (\$ millions and percentage of total), 1981-90.

Year	Salmon	Herring	Other finfish*	Crab	Other	Total
Value (\$ millions)						
1981	572	57	30	106	40	805
1982	531	60	25	87	36	739
1983	510	67	23	40	29	668
1984	480	60	47	36	25	648
1985	597	104	66	53	17	837
1986	707	78	126	107	16	1,034
1987	728	93	204	184	24	1,232
1988	967	115	358	231	29	1,700
1989	878	59	531	242	37	1,747
1990	823	71	796	345	33	2,068
Percentage of total						
1981	71.0	7.1	3.7	13.2	5.0	100.0
1982	71.9	8.1	3.3	11.8	4.9	100.0
1983	76.3	10.0	3.4	6.0	4.3	100.0
1984	74.1	9.3	7.2	5.5	3.9	100.0
1985	71.3	12.4	7.9	6.4	2.0	100.0
1986	68.4	7.5	12.2	10.4	1.5	100.0
1987	59.1	7.5	16.6	14.9	1.9	100.0
1988	56.9	6.8	21.0	13.6	1.7	100.0
1989	50.3	3.4	30.4	13.8	2.1	100.0
1990	39.8	3.4	38.5	16.7	1.6	100.0

\*Other fresh, frozen, canned, cured, roe, and processed finfish excluding salmon, herring, and other nongroundfish species. Discrepancies in totals are due to rounding.

Sources: U.S. Dep. Commer., Bur. of the Census; data base from National Marine Fisheries Service, Fish. Stat. Div., Silver Spring, MD 20910; Alaska Fisheries Science Center, 7600 Sand Point Way N.E., BIN C15700, Seattle, WA 98115-0070.

Table 7.-- Groundfish landings in the domestic fisheries off Alaska by area, gear, and species, 1981-90  
(1,000 metric tons, round weight).

Species/Year	Gulf of Alaska			Bering Sea/Aleutians			All Alaska		
	Hook&Line	Trawl	All	Hook&Line	Trawl	All	Hook&Line	Trawl	All
<b>All Groundfish</b>									
1981	2.3	1.7	4.5	0.0	14.3	14.4	2.3	16.0	18.9
1982	3.3	4.6	8.0	0.0	23.5	25.2	3.3	28.1	33.3
1983	4.3	4.6	9.1	0.0	45.9	46.5	4.3	50.5	55.5
1984	9.7	4.6	14.8	0.0	48.0	48.4	9.8	52.6	63.2
1985	11.5	20.1	33.2	1.9	78.1	81.5	13.4	98.3	114.7
1986	20.4	38.4	61.0	3.4	95.2	106.0	23.9	134.2	167.7
1987	33.4	76.5	111.4	9.0	285.9	295.9	42.5	362.4	407.3
1988	32.5	109.3	143.8	8.7	650.6	659.9	41.2	759.8	803.7
1989	31.8	135.2	167.4	18.4	1,166.6	1,185.1	50.2	1,301.8	1,352.6
1990	32.9	179.5	219.8	53.9	1,535.3	1,591.0	86.8	1,715.2	1,811.2
<b>Pollock</b>									
1981	--	0.4	0.6	--	0.2	0.2	--	0.7	0.8
1982	--	2.2	2.2	--	0.2	0.2	--	2.3	2.4
1983	--	0.1	0.1	--	1.1	1.1	--	1.2	1.2
1984	--	1.0	1.0	--	7.2	7.3	--	8.2	8.4
1985	--	14.6	15.4	--	30.7	30.8	--	45.3	46.1
1986	--	21.3	21.3	--	51.8	57.9	--	73.7	79.8
1987	--	39.8	39.9	0.3	215.0	215.5	0.3	254.8	255.3
1988	0.1	55.6	55.7	--	522.5	522.6	0.1	578.2	578.3
1989	0.0	66.6	66.6	0.3	993.4	993.7	0.3	1,060.1	1,060.4
1990	0.0	77.5	77.8	1.2	1,329.3	1,330.5	1.2	1,407.3	1,408.7
<b>Sablefish</b>									
1981	1.8	0.0	1.9	0.0	0.0	0.0	1.8	0.0	1.9
1982	2.8	0.0	2.9	0.0	0.2	0.2	2.8	0.2	3.1
1983	3.8	0.0	3.8	0.0	0.1	0.1	3.8	0.1	3.9
1984	8.4	0.1	8.9	0.0	1.0	1.1	8.5	1.1	9.9
1985	9.4	0.4	11.4	1.7	0.2	3.4	11.1	0.6	14.7
1986	16.8	2.9	21.7	3.0	1.8	6.0	19.8	4.7	27.8
1987	22.8	2.8	26.3	4.8	2.4	7.8	27.5	5.2	34.1
1988	26.3	4.1	31.0	3.8	2.5	6.6	30.0	6.7	37.6
1989	26.2	3.6	29.8	2.7	1.8	4.5	29.0	5.4	34.3
1990	24.5	2.8	27.3	3.2	1.3	4.5	27.8	4.1	31.8
<b>Pacific Cod</b>									
1981	0.2	0.7	1.1	0.0	14.1	14.1	0.2	14.8	15.2
1982	0.2	2.0	2.2	0.0	23.2	24.9	0.2	25.2	27.1
1983	0.1	4.0	4.2	0.0	41.4	42.0	0.1	45.4	46.2
1984	0.3	2.8	3.2	0.0	38.4	38.7	0.3	41.3	41.9
1985	0.4	2.6	3.0	0.0	45.8	45.8	0.4	48.3	48.8
1986	2.1	5.8	8.0	0.0	34.0	34.2	2.1	39.8	42.3
1987	8.3	20.5	29.5	1.4	43.2	44.7	9.7	63.7	74.2
1988	3.9	25.5	30.9	2.6	84.3	87.2	6.5	109.8	118.2
1989	3.7	37.6	41.7	14.0	109.6	123.8	17.6	147.3	165.4
1990	6.5	61.2	74.6	47.5	113.7	162.9	54.0	174.9	237.6

Table 7. --Continued.

Species/Year	Gulf of Alaska			Bering Sea/Aleutians			All Alaska		
	Hook&Line	Trawl	All	Hook&Line	Trawl	All	Hook&Line	Trawl	All
<b>Flatfish</b>									
1981	0.0	0.4	0.4	0.0	0.0	0.0	0.0	0.4	0.4
1982	0.0	0.3	0.3	0.0	0.0	0.0	0.0	0.3	0.3
1983	0.0	0.4	0.4	0.0	0.0	0.0	0.0	0.4	0.4
1984	0.0	0.4	0.4	0.0	0.0	0.0	0.0	0.4	0.5
1985	0.0	0.4	0.5	0.0	0.1	0.1	0.1	0.5	0.5
1986	0.0	1.5	1.5	0.2	6.4	6.6	0.2	7.8	8.1
1987	0.2	2.5	2.7	2.4	21.8	24.2	2.5	24.3	26.9
1988	0.1	6.9	7.0	2.0	36.4	38.5	2.1	43.4	45.5
1989	0.0	5.1	5.2	1.0	36.1	37.1	1.0	41.3	42.3
1990	0.1	15.3	15.4	0.9	41.3	42.2	1.0	56.5	57.6
<b>Rockfish</b>									
1981	0.3	0.1	0.4	0.0	0.0	0.0	0.3	0.1	0.4
1982	0.2	0.0	0.3	0.0	0.0	0.0	0.2	0.0	0.3
1983	0.4	0.0	0.4	0.0	0.0	0.0	0.4	0.0	0.4
1984	0.9	0.1	1.1	0.0	1.3	1.3	0.9	1.5	2.4
1985	0.8	1.9	2.7	0.1	0.9	0.9	0.9	2.8	3.7
1986	1.3	6.5	7.9	0.1	1.0	1.1	1.4	7.5	8.9
1987	1.9	10.8	12.7	0.2	2.5	2.7	2.2	13.2	15.4
1988	1.6	16.7	18.4	0.3	2.4	2.6	1.9	19.1	21.0
1989	1.5	21.9	23.4	0.4	6.9	7.3	1.9	28.8	30.7
1990	1.4	19.6	21.1	0.3	24.9	25.2	1.7	44.5	46.3
<b>Atka Mackerel</b>									
1984	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1986	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1987	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.1	0.1
1988	0.0	0.1	0.1	0.0	1.9	1.9	0.0	2.0	2.0
1989	0.0	0.2	0.2	0.0	18.3	18.3	0.0	18.4	18.4
1990	0.0	0.1	0.1	0.0	22.2	22.2	0.0	22.3	22.3

Notes: All gear includes the specified gears, other gear, and unidentified gear.

Source: National Marine Fisheries Service office of the Pacific Marine Fisheries Commission, Pacific Fisheries Information Network, 7600 Sand Point Way N.E., BIN C1S700, Seattle, WA 98115-0070.

Table 8.-- Groundfish landings in the domestic fisheries off Alaska by area, date of operation, and species, 1986-90, (1,000 metric tons, round weight).

Species/Year	Gulf of Alaska		Bering Sea/Aleutians		All Alaska	
	At-sea	Shore-based	At-sea	Shore-based	At-sea	Shore-based
<b>Pollock</b>						
1986	12.0	9.4	43.7	14.2	56.2	23.6
1987	9.5	30.3	138.9	76.6	148.4	107.0
1988	8.0	47.7	372.2	150.3	380.3	198.0
1989	33.3	33.3	803.3	190.4	836.6	223.9
1990	13.9	63.8	1,083.1	247.3	1,097.1	311.6
<b>Sablefish</b>						
1986	4.7	17.0	3.6	2.4	8.3	19.5
1987	5.2	21.2	6.3	1.5	11.4	22.7
1988	8.5	22.5	5.9	0.7	14.3	23.2
1989	7.8	22.0	4.3	0.2	12.1	22.3
1990	7.8	19.5	3.8	0.6	11.7	20.1
<b>Pacific Cod</b>						
1986	3.8	4.3	24.5	9.8	28.3	14.1
1987	7.3	22.1	36.9	7.8	44.2	30.0
1988	4.5	26.4	69.3	17.8	73.8	44.2
1989	5.3	36.3	96.2	27.5	101.6	63.9
1990	15.3	59.3	126.9	33.2	142.2	92.6
<b>Flatfish</b>						
1986	0.9	0.7	6.0	0.6	6.8	1.2
1987	1.0	1.6	20.6	3.6	21.6	5.2
1988	1.8	5.2	37.6	0.8	39.4	6.0
1989	1.3	3.9	36.2	0.9	37.5	4.8
1990	8.7	6.7	40.0	2.1	48.7	8.9
<b>Rockfish</b>						
1986	5.0	2.9	1.0	0.0	6.0	2.9
1987	10.8	1.9	2.6	0.1	13.5	1.9
1988	16.6	1.8	2.6	0.0	19.2	1.8
1989	21.8	1.6	7.2	0.1	29.1	1.6
1990	19.4	1.6	25.0	0.2	44.4	1.9
<b>Atka Mackerel</b>						
1988	0.1	0.0	1.9	0.0	2.0	0.0
1989	0.2	0.0	18.2	0.1	18.4	0.1
1990	0.1	0.0	21.8	0.4	21.9	0.4
<b>All Groundfish</b>						
1986	26.6	34.4	79.0	27.0	106.2	61.5
1987	33.9	77.5	205.5	90.4	239.4	167.9
1988	39.5	104.3	490.0	169.9	529.5	274.2
1989	69.8	97.6	965.6	219.5	1,035.5	317.1
1990	67.9	151.8	1,303.1	284.9	1,371.1	437.1

Source: National Marine Fisheries Service office of the Pacific Marine Fisheries Commission, Pacific Fisheries Information Network, 7600 Sand Point Way N.E., BIN C1S700, Seattle, WA 98115-0070.

Table 9. - Groundfish Landings in the domestic fisheries off Alaska by area, residency, and species, 1986-90 (1,000 metric tons, round weight).

Species/Year	Gulf of Alaska			Bering Sea/Aleutians			All Alaska		
	Alaska	Other	Unknown	Alaska	Other	Unknown	Alaska	Other	Unknown
<b>Pollock</b>									
1986	9.5	13.7	0.1	33.7	10.0	8.0	43.8	23.7	8.1
1987	12.9	21.1	10.8	22.1	88.9	90.7	34.9	109.9	101.4
1988	17.6	33.6	5.7	63.3	261.8	192.4	81.0	295.4	198.1
1989	20.8	59.9	0.9	12.8	799.4	187.5	33.6	859.6	188.4
1990	29.7	34.3	0.3	7.6	1,284.0	139.6	37.2	1,318.3	140.3
<b>Sablefish</b>									
1986	12.6	8.7	1.3	2.2	3.8	0.2	15.0	12.5	1.5
1987	13.7	4.3	11.2	2.7	3.5	2.7	16.4	7.8	14.0
1988	15.6	3.6	11.9	1.9	1.0	3.3	17.5	4.6	16.0
1989	13.5	11.1	3.7	0.7	3.3	0.5	14.2	14.3	4.1
1990	10.5	10.1	0.2	0.8	2.3	0.0	11.3	12.4	0.2
<b>Pacific Cod</b>									
1986	5.6	1.7	0.3	14.3	20.9	1.8	19.9	22.6	2.1
1987	21.3	4.8	6.0	10.5	16.8	13.4	31.9	21.6	19.7
1988	23.5	3.0	3.7	7.0	31.2	43.0	30.5	34.2	47.0
1989	24.8	12.5	1.2	9.6	68.4	21.1	34.4	80.9	22.3
1990	28.0	32.4	0.5	15.0	100.6	1.4	43.0	133.0	1.9
<b>Flatfish</b>									
1986	0.9	0.5	0.1	1.5	5.3	0.4	2.4	5.9	0.4
1987	1.2	1.0	0.8	3.5	7.1	7.9	4.8	8.0	8.7
1988	4.6	1.2	2.8	0.6	8.4	27.2	5.2	9.6	31.6
1989	3.4	4.1	2.1	0.7	26.4	15.6	4.1	30.5	17.7
1990	5.1	13.0	0.2	3.5	36.7	0.5	8.6	49.7	0.7
<b>Rockfish</b>									
1986	1.3	3.6	2.7	0.0	1.2	0.1	1.4	4.7	2.9
1987	1.7	11.4	4.0	0.1	1.5	1.6	1.8	13.0	5.5
1988	1.7	10.4	10.0	0.2	0.9	1.9	1.8	11.3	13.0
1989	1.2	15.8	5.6	0.5	6.1	1.7	1.7	21.9	7.4
1990	4.8	10.8	0.1	2.4	9.3	0.7	7.2	20.2	0.8
<b>Atka Mackerel</b>									
1988	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0	1.6
1989	0.0	0.2	0.0	0.1	10.2	4.4	0.1	10.4	4.4
1990	0.0	1.2	0.2	1.6	12.9	0.0	1.6	14.0	0.2
<b>All Groundfish</b>									
1986	30.3	28.2	4.5	51.9	41.2	10.6	83.0	69.5	15.2
1987	51.1	42.7	32.7	39.2	118.2	122.8	90.3	160.9	156.1
1988	63.2	52.1	34.2	73.0	303.3	273.9	136.2	355.5	312.0
1989	64.0	103.9	13.9	24.5	914.5	231.6	88.5	1,018.7	245.4
1990	78.7	104.1	1.5	32.3	1,451.9	142.7	110.9	1,555.9	144.3

Source: National Marine Fisheries Service groundfish fish ticket data base, 7600 Sand Point Way N.E., BIN C15700, Seattle, WA 98115-0070.

Table 10. --Ex-vessel value of the groundfish catch in the domestic fisheries off Alaska by area, gear, and species, 1984-90 (\$ millions).

Species	Year	Gulf of Alaska			Bering Sea/Aleutians			All Alaska		
		Hook&Line	Trawl	All	Hook&Line	Trawl	All	Hook&Line	Trawl	All
All Groundfish										
	1984	7.2	1.2	8.9	0.0	18.6	18.8	7.3	19.8	27.6
	1985	15.5	3.5	21.0	2.1	19.1	22.7	17.6	22.5	43.7
	1986	25.0	9.6	37.4	3.6	18.4	27.7	28.7	28.1	65.3
	1987	41.7	23.9	66.7	9.6	60.4	71.0	51.4	84.3	137.8
	1988	60.7	36.5	98.9	11.1	129.3	141.0	71.9	165.8	240.0
	1989	53.8	43.2	97.2	12.7	228.6	243.4	66.5	271.8	338.6
	1990	42.4	48.8	94.4	34.3	317.6	352.6	76.8	366.4	447.2
Pollock										
	1984	--	0.1	0.1	--	1.3	1.3	--	1.4	1.4
	1985	--	1.4	2.7	--	3.6	3.6	--	5.0	6.3
	1986	--	2.3	2.3	--	6.0	10.0	--	8.3	12.3
	1987	--	6.9	6.9	--	35.1	35.3	0.1	42.0	42.2
	1988	--	9.2	9.2	--	87.5	87.5	--	96.7	96.7
	1989	0.0	11.3	11.3	0.1	174.1	175.1	0.1	185.4	185.4
	1990	0.0	12.6	12.7	0.8	255.2	256.0	0.8	267.9	268.7
Sablefish										
	1984	6.2	0.0	6.6	0.0	0.4	0.4	6.2	0.4	7.0
	1985	13.3	0.4	15.6	2.0	0.2	3.7	15.3	0.5	19.4
	1986	22.8	2.7	28.2	3.4	1.5	6.6	26.3	4.2	34.9
	1987	35.7	2.8	39.2	6.7	2.3	9.8	42.4	5.1	49.1
	1988	56.7	7.5	65.4	8.1	4.4	13.1	64.8	12.0	78.5
	1989	50.3	5.4	55.7	4.8	2.4	7.2	55.1	7.8	62.9
	1990	38.0	4.1	42.1	5.1	1.8	6.9	43.1	5.9	49.1
Pacific Cod										
	1984	0.1	0.8	1.0	0.0	16.6	16.7	0.1	17.4	17.6
	1985	0.1	0.7	0.8	0.0	14.8	14.8	0.1	15.5	15.6
	1986	0.7	1.6	2.4	0.0	8.4	8.5	0.8	10.0	10.9
	1987	3.8	7.9	12.0	0.5	16.4	17.0	4.4	24.3	29.0
	1988	1.9	8.3	10.8	1.6	24.0	25.7	3.4	32.5	36.5
	1989	1.7	11.0	12.8	7.1	33.2	40.3	8.8	44.2	53.2
	1990	3.0	20.2	26.1	27.2	36.7	64.7	30.1	56.9	90.7
Flatfish										
	1984	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.2	0.2
	1985	0.0	0.1	0.1	0.0	0.0	0.1	0.0	0.1	0.2
	1986	0.0	0.4	0.5	0.1	2.0	2.2	0.1	2.5	2.6
	1987	0.1	0.6	0.7	2.1	5.3	7.4	2.2	5.9	8.1
	1988	0.0	1.8	1.8	1.1	11.3	12.4	1.2	13.1	14.2
	1989	0.0	1.1	1.2	0.3	10.2	10.5	0.4	11.3	11.7
	1990	0.0	3.1	3.1	0.3	11.1	11.4	0.4	14.2	14.6

Table 10. --Continued.

Species	Year	Gulf of Alaska			Bering Sea/Aleutians			All Alaska		
		Hook&Line	Trawl	All	Hook&Line	Trawl	All	Hook&Line	Trawl	All
<b>Rockfish</b>										
	1984	0.8	0.0	0.9	0.0	0.4	0.4	0.8	0.4	1.3
	1985	0.8	0.7	1.5	0.0	0.3	0.3	0.8	1.0	1.8
	1986	1.3	2.5	3.7	0.0	0.4	0.4	1.3	2.8	4.1
	1987	1.8	5.7	7.6	0.3	0.9	1.2	2.1	6.6	8.7
	1988	1.7	9.6	11.3	0.3	1.1	1.3	1.9	10.7	12.7
	1989	1.6	14.3	15.9	0.4	2.7	2.7	1.9	16.7	18.6
	1990	1.3	8.4	9.8	0.2	6.9	7.2	1.5	15.3	16.9
<b>Atka Mackerel</b>										
	1984	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1986	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1987	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.1	0.1
	1988	0.0	0.0	0.0	0.0	0.8	0.8	0.0	0.8	0.8
	1989	0.0	0.1	0.1	0.0	6.4	6.4	0.0	6.4	6.4
	1990	0.0	0.0	0.0	0.0	5.2	5.2	0.0	5.3	5.3

**Note:** Domestic values are based on ex-vessel prices that do not include the value added by at-sea processing; therefore, they reflect the value of catch prior to processing. Totals include specified gear, other gear, and unidentified gear. Zero indicates none or less than \$50,000.

**Source:** National Marine Fisheries Service office of the Pacific Marine Fisheries Commission, Pacific Fisheries Information Network, 7600 Sand Point Way N.E., BIN C15700, Seattle, WA 98115-0070.



Table 11. --Ex-vessel value of the groundfish catch in the domestic fisheries off Alaska by area, mode of operation, and species, 1986-90 (\$ millions).

Species/Year	Gulf of Alaska		Bering Sea/Aleutians		All Alaska	
	At-sea	Shore-based	At-sea	Shore-based	At-sea	Shore-based
<b>Pollock</b>						
1986	1.0	1.2	8.1	1.9	9.2	3.1
1987	1.6	5.3	22.2	13.1	23.8	18.5
1988	0.9	8.3	61.1	26.4	62.0	34.6
1989	5.5	5.8	140.2	33.9	145.7	39.7
1990	2.2	10.5	210.7	45.3	213.0	55.8
<b>Sablefish</b>						
1986	5.3	22.9	3.9	2.7	9.2	25.7
1987	5.7	33.5	7.8	2.0	13.6	35.5
1988	17.7	47.6	11.7	1.4	29.4	49.0
1989	13.9	41.8	6.7	0.4	20.6	42.2
1990	12.0	30.0	5.9	1.0	18.0	31.0
<b>Pacific Cod</b>						
1986	1.0	1.4	5.3	3.2	6.2	4.7
1987	2.3	9.7	13.5	3.4	15.8	13.2
1988	1.5	9.3	19.4	6.3	20.9	15.6
1989	1.9	11.0	31.9	8.4	33.8	19.4
1990	5.4	20.6	52.9	10.8	58.3	31.4
<b>Flatfish</b>						
1986	0.2	0.3	2.1	0.1	2.3	0.4
1987	0.2	0.5	6.3	1.1	6.5	1.6
1988	0.3	1.5	12.2	0.2	12.5	1.7
1989	0.2	0.9	10.4	0.1	10.6	1.0
1990	1.7	1.4	11.1	0.3	12.8	1.7
<b>Rockfish</b>						
1986	1.7	2.0	0.4	0.0	2.1	2.1
1987	5.8	1.8	1.1	0.1	6.9	1.9
1988	9.6	1.7	1.3	0.0	10.9	1.7
1989	14.4	1.5	2.7	0.0	17.1	1.5
1990	8.5	1.3	7.1	0.1	15.5	1.4
<b>Atka Mackerel</b>						
1988	0.2	0.0	0.6	0.0	0.8	0.0
1989	0.1	0.0	6.3	0.0	6.4	0.0
1990	0.0	0.0	5.1	0.1	5.1	0.1
<b>All Groundfish</b>						
1986	9.4	28.0	19.8	7.9	29.3	36.0
1987	15.6	51.1	51.1	20.0	66.7	71.1
1988	30.1	68.8	106.7	34.4	136.8	103.2
1989	36.0	61.1	198.4	43.0	234.4	104.2
1990	30.1	64.2	293.9	57.8	324.1	122.0

Note: Domestic values are based on ex-vessel prices that do not include the value added by at-sea processing; therefore, they reflect the value of catch prior to processing. Zero indicates none or Less than \$50,000.

Source: National Marine Fisheries Service office of the Pacific Marine Fisheries Commission, Pacific Fisheries Information Network, 7600 Sand Point Way N.E., BIN C15700, Seattle, WA 98115-0070.

Table 12. --Ex-vessel value of the groundfish catch in the domestic fisheries off Alaska by area, residence, and species, 1986-90 (\$ million).

Species/Year	Gulf of Alaska			Bering Sea/Aleutians			All Alaska		
	Alaska	Other	Unknown	Alaska	Other	Unknown	Alaska	Other	Unknown
<b>Pollock</b>									
1986	1.0	1.4	0.0	5.8	1.7	1.4	6.8	3.7	1.3
1987	2.2	3.7	1.9	3.6	14.5	14.8	5.8	18.2	16.8
1988	2.9	5.6	1.0	10.6	43.8	32.2	13.6	49.5	33.2
1989	3.5	10.2	0.2	2.2	139.2	32.6	5.9	149.7	32.8
1990	4.8	5.6	0.0	1.4	146.2	26.8	7.1	252.8	26.9
<b>Sablefish</b>									
1986	16.5	11.4	1.6	2.4	4.1	0.2	18.8	15.7	1.9
1987	20.4	6.4	16.7	3.4	4.4	3.4	23.6	11.2	20.2
1988	32.8	7.5	25.1	3.7	2.0	6.5	36.6	9.5	33.3
1989	25.1	20.6	6.8	1.2	5.2	0.7	26.0	26.2	7.5
1990	16.1	15.5	0.2	1.3	3.5	0.0	17.4	19.2	0.2
<b>Pacific Cod</b>									
1986	1.6	0.5	0.1	3.6	5.2	1.4	5.1	5.8	0.5
1987	8.7	1.9	2.4	4.0	6.4	5.1	12.5	8.4	7.7
1988	8.2	1.0	1.3	2.1	9.2	12.7	9.4	10.6	14.5
1989	7.7	3.9	0.4	3.1	22.3	6.9	11.1	26.0	7.2
1990	9.8	11.3	0.2	5.9	39.9	0.6	16.4	50.7	0.7
<b>Flatfish</b>									
1986	0.3	0.2	0.0	0.5	1.7	0.1	0.8	1.9	0.1
1987	0.3	0.3	0.2	1.1	2.2	2.4	1.4	2.4	2.6
1988	1.2	0.3	0.7	0.2	2.7	8.7	1.6	3.0	9.9
1989	0.8	0.9	0.5	0.2	7.4	4.4	1.1	8.4	4.9
1990	1.0	2.6	0.0	1.0	9.9	0.1	2.2	12.6	0.2
<b>Rockfish</b>									
1986	0.7	2.1	1.6	0.0	0.7	0.1	0.8	2.8	1.7
1987	1.0	6.8	2.4	0.0	0.6	0.7	1.0	7.4	3.1
1988	1.0	6.4	6.2	0.1	0.5	1.0	1.1	6.8	7.8
1989	0.8	10.7	3.8	0.2	2.3	0.6	1.0	13.3	4.5
1990	2.2	5.0	0.0	0.7	2.6	0.2	2.7	7.4	0.3
<b>Atka Mackerel</b>									
1988	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.6
1989	0.0	0.1	0.0	0.0	3.6	1.5	0.0	3.6	1.5
1990	0.0	0.2	0.1	0.4	3.0	0.0	0.4	3.3	0.1
<b>All Groundfish</b>									
1986	20.2	15.6	3.4	12.3	13.5	2.3	32.3	30.0	5.5
1987	32.6	19.1	23.6	12.1	28.1	26.4	44.3	47.6	50.4
1988	46.2	20.8	34.2	16.7	58.2	61.8	62.3	79.4	99.4
1989	37.9	46.4	11.6	6.9	180.0	46.8	45.2	227.3	58.4
1990	34.0	40.3	0.6	10.7	305.4	27.7	46.2	346.0	28.4

Note: Domestic values are based on ex-vessel prices that do not include the value added by at-sea processing; therefore, they reflect the value of catch prior to processing.

Source: National Marine Fisheries fish ticket data base and National Marine Fisheries Service office of the Pacific Marine Fisheries Commission, Pacific Fisheries Information Network, 7600 Sand Point Way N.E., BIN C15700, Seattle, WA 98115-0070.

Table 13.-- Ex-vessel prices in the domestic groundfish fisheries off Alaska by area, gear, and species, 1984-90 (\$/lb, round weight).

Species	Year	Gulf of Alaska			Bering Sea/Aleutians			All Alaska		
		Hook&Line	Trawl	All	Hook&Line	Trawl	All	Hook&Line	Trawl	All
All Groundfish										
	1984	0.34	0.12	0.27	0.48	0.18	0.18	0.34	0.17	0.20
	1985	0.61	0.08	0.29	0.50	0.11	0.13	0.60	0.10	0.17
	1986	0.55	0.11	0.28	0.48	0.09	0.12	0.54	0.10	0.18
	1987	0.57	0.14	0.27	0.48	0.10	0.11	0.55	0.11	0.15
	1988	0.85	0.15	0.31	0.58	0.09	0.10	0.79	0.10	0.14
	1989	0.77	0.15	0.26	0.32	0.09	0.09	0.60	0.10	0.11
	1990	0.59	0.12	0.20	0.29	0.09	0.10	0.40	0.10	0.11
Pollock										
	1984	0.00	0.05	0.05	0.00	0.08	0.08	0.00	0.08	0.08
	1985	0.74	0.04	0.08	0.05	0.05	0.05	0.69	0.05	0.06
	1986	0.06	0.05	0.05	0.06	0.05	0.08	0.06	0.05	0.07
	1987	0.09	0.08	0.08	0.08	0.07	0.07	0.08	0.08	0.08
	1988	0.08	0.08	0.08	0.06	0.08	0.08	0.07	0.08	0.08
	1989	0.07	0.08	0.08	0.14	0.08	0.08	0.13	0.08	0.08
	1990	0.31	0.07	0.07	0.32	0.09	0.09	0.32	0.09	0.09
Sablefish										
	1984	0.33	0.16	0.34	0.61	0.17	0.18	0.33	0.17	0.32
	1985	0.64	0.41	0.62	0.54	0.37	0.50	0.62	0.40	0.60
	1986	0.62	0.42	0.59	0.52	0.39	0.49	0.60	0.41	0.57
	1987	0.71	0.45	0.68	0.63	0.43	0.57	0.70	0.44	0.65
	1988	0.98	0.82	0.96	0.97	0.80	0.90	0.98	0.82	0.95
	1989	0.87	0.68	0.85	0.80	0.61	0.72	0.86	0.66	0.83
	1990	0.70	0.67	0.70	0.72	0.65	0.70	0.70	0.66	0.70
Pacific Cod										
	1984	0.16	0.14	0.14	0.26	0.20	0.20	0.16	0.19	0.19
	1985	0.16	0.12	0.13	0.14	0.15	0.15	0.16	0.15	0.15
	1986	0.16	0.12	0.13	0.19	0.11	0.11	0.16	0.11	0.12
	1987	0.21	0.18	0.19	0.17	0.17	0.17	0.21	0.17	0.18
	1988	0.22	0.15	0.16	0.28	0.13	0.13	0.24	0.13	0.14
	1989	0.21	0.13	0.14	0.23	0.14	0.15	0.23	0.14	0.15
	1990	0.21	0.15	0.16	0.26	0.15	0.18	0.25	0.15	0.17
Flatfish										
	1984	0.18	0.16	0.16	0.17	0.12	0.12	0.17	0.16	0.16
	1985	0.17	0.13	0.13	0.40	0.24	0.29	0.28	0.14	0.16
	1986	0.46	0.13	0.14	0.24	0.15	0.15	0.26	0.14	0.15
	1987	0.29	0.10	0.11	0.41	0.11	0.14	0.40	0.11	0.14
	1988	0.24	0.12	0.12	0.25	0.14	0.15	0.25	0.14	0.14
	1989	0.22	0.10	0.10	0.16	0.13	0.13	0.16	0.12	0.13
	1990	0.19	0.09	0.09	0.17	0.12	0.12	0.17	0.11	0.12

Table 13. -- Continued.

Species	Year	Gulf of Alaska			Bering Sea/Aleutians			All Alaska		
		Hook&Line	Trawl	All	Hook&Line	Trawl	All	Hook&Line	Trawl	All
Rockfish										
	1984	0.42	0.13	0.38	0.15	0.13	0.13	0.42	0.13	0.24
	1985	0.45	0.18	0.26	0.17	0.14	0.14	0.43	0.16	0.23
	1986	0.43	0.17	0.21	0.40	0.16	0.17	0.43	0.17	0.21
	1987	0.44	0.24	0.27	0.54	0.16	0.19	0.45	0.23	0.26
	1988	0.48	0.26	0.28	0.53	0.20	0.23	0.48	0.25	0.27
	1989	0.46	0.30	0.31	0.43	0.16	0.17	0.45	0.26	0.28
	1990	0.42	0.20	0.21	0.34	0.13	0.13	0.41	0.16	0.17
Atka Mackerel										
	1984	0.00	0.17	0.17	0.00	0.00	0.00	0.00	0.17	0.17
	1986	0.00	0.00	0.00	0.00	0.21	0.21	0.00	0.21	0.21
	1987	0.00	0.00	0.00	0.00	0.21	0.21	0.00	0.21	0.21
	1988	0.00	0.14	0.14	0.00	0.18	0.18	0.00	0.18	0.18
	1989	0.16	0.16	0.16	0.00	0.16	0.16	0.16	0.16	0.16
	1990	0.00	0.11	0.11	0.00	0.11	0.11	0.00	0.11	0.11

Notes: Domestic prices do not include the value added by at-sea processing; therefore, they reflect prices prior to processing. Prices do reflect the value added by dressing fish at sea, where the fish have not been frozen. For unfrozen landings price is calculated as landed value divided by estimated or actual round weight.

Source: National Marine Fisheries Service office of the Pacific Marine Fisheries Commission, Sand Point Way N.E., BIN C15700, Seattle, WA 98115-0070.

Table 14.--Percentage distribution of landings in the domestic groundfish fisheries off Alaska among species by area, 1981-90.

Year	Species	Gulf of Alaska	Bering Sea/Aleutians	All Alaska
1981	Pollock	12.5	1.6	4.2
	Sablefish	43.1	0.0	10.3
	Pacific Cod	23.5	98.2	80.4
	Flatfish	8.9	0.0	2.1
	Rockfish	7.9	0.2	2.0
	Other	4.1	0.0	1.0
1982	Pollock	27.6	0.6	7.1
	Sablefish	36.3	0.7	9.3
	Pacific Cod	28.0	98.6	81.6
	Flatfish	3.4	0.0	0.8
	Rockfish	3.2	0.0	0.8
	Other	1.4	0.0	0.3
1983	Pollock	1.3	2.3	2.2
	Sablefish	41.5	0.2	6.9
	Pacific Cod	46.4	90.3	83.1
	Flatfish	4.8	0.0	0.8
	Rockfish	4.8	0.0	0.8
	Other	1.1	7.1	6.1
1984	Pollock	7.0	15.1	13.2
	Sablefish	60.1	2.2	15.7
	Pacific Cod	21.9	79.9	66.3
	Flatfish	2.9	0.0	0.7
	Rockfish	7.2	2.7	3.8
	Atka Mackerel	0.2	0.0	0.0
	Other	0.8	0.0	0.2
1985	Pollock	46.4	37.7	40.2
	Sablefish	34.3	4.1	12.9
	Pacific Cod	8.9	56.2	42.5
	Flatfish	1.4	0.1	0.5
	Rockfish	8.2	1.2	3.2
	Other	0.9	0.6	0.7
1986	Pollock	35.0	54.6	47.6
	Sablefish	35.6	5.7	16.6
	Pacific Cod	13.2	32.3	25.2
	Flatfish	2.5	6.2	4.8
	Rockfish	12.9	1.0	5.3
	Atka Mackerel	0.0	0.0	0.0
	Other	0.8	0.2	0.4

Table 14 .--Continued.

Year	Species	Gulf of Alaska	Bering Sea/Aleutians	All Alaska
1987	Pollock	35.8	72.8	62.7
	Sablefish	23.7	2.6	8.4
	Pacific Cod	26.4	15.1	18.2
	Flatfish	2.4	8.2	6.6
	Rockfish	11.4	0.9	3.8
	Atka Mackerel	0.0	0.0	0.0
	Other	0.3	0.3	0.3
1988	Pollock	38.8	79.2	71.9
	Sablefish	21.5	1.0	4.7
	Pacific Cod	21.5	13.2	14.7
	Flatfish	4.9	5.8	5.7
	Rockfish	12.8	0.4	2.6
	Atka Mackerel	0.0	0.3	0.2
	Other	0.5	0.1	0.2
1989	Pollock	39.8	83.9	78.4
	Sablefish	17.8	0.4	2.5
	Pacific Cod	24.9	10.5	12.2
	Flatfish	3.1	3.1	3.1
	Rockfish	14.0	0.6	2.3
	Atka Mackerel	0.1	1.5	1.4
	Other	0.3	0.0	0.1
1990	Pollock	35.4	83.6	77.8
	Sablefish	12.4	0.3	1.8
	Pacific Cod	34.0	10.2	13.1
	Flatfish	7.0	2.7	3.2
	Rockfish	9.6	1.6	2.5
	Atka Mackerel	0.0	1.4	1.2
	Other	1.6	0.2	0.4

Source: National Marine Fisheries Service office of the Pacific Marine Fisheries Commission, Pacific Fisheries Information Network, 7600 Sand Point Way N.E., BIN C15700, Seattle, WA 98115-0070.

Table 15.--Percentage distribution of landings in the domestic groundfish fisheries off Alaska among areas by species, 1981-90.

Species	Year	Gulf of Alaska	Bering Sea/Aleutians	Unknown
<b>All Groundfish</b>				
	1981	23.8	76.2	0.0
	1982	24.1	75.9	0.0
	1983	16.3	83.7	0.0
	1984	23.4	76.6	0.0
	1985	28.9	71.1	0.0
	1986	36.4	63.2	0.4
	1987	27.3	72.6	0.0
	1988	17.9	82.1	0.0
	1989	12.4	87.6	0.0
	1990	12.1	87.8	0.1
<b>Pollock</b>				
	1981	70.6	29.4	0.0
	1982	93.5	6.5	0.0
	1983	9.9	90.1	0.0
	1984	12.4	87.6	0.0
	1985	33.3	66.7	0.0
	1986	26.7	72.6	0.7
	1987	15.6	84.4	0.0
	1988	9.6	90.4	0.0
	1989	6.3	93.7	0.0
	1990	5.5	94.5	0.0
<b>Sablefish</b>				
	1981	99.9	0.1	0.0
	1982	94.3	5.7	0.0
	1983	97.7	2.3	0.0
	1984	89.4	10.6	0.0
	1985	77.1	22.9	0.0
	1986	78.1	21.7	0.3
	1987	77.2	22.8	0.0
	1988	82.5	17.5	0.0
	1989	86.9	13.1	0.0
	1990	85.9	14.0	0.1
<b>Pacific Cod</b>				
	1981	7.0	93.0	0.0
	1982	8.3	91.7	0.0
	1983	9.1	90.9	0.0
	1984	7.7	92.3	0.0
	1985	6.1	93.9	0.0
	1986	19.0	80.9	0.1
	1987	39.7	60.3	0.0
	1988	26.2	73.8	0.0
	1989	25.2	74.8	0.0
	1990	31.4	68.6	0.0

Table 15.- -Continued.

Species	Year	Gulf of Alaska	Bering Sea/Aleutians	Unknown
<b>Flatfish</b>				
	1981	100.0	0.0	0.0
	1982	98.3	1.7	0.0
	1983	97.7	2.3	0.0
	1984	94.9	5.1	0.0
	1985	85.0	15.0	0.0
	1986	18.8	81.2	0.0
	1987	10.0	90.0	0.0
	1988	15.4	84.6	0.0
	1989	12.3	87.7	0.0
	1990	26.8	73.2	0.0
<b>Rockfish</b>				
	1981	93.5	6.5	0.0
	1982	95.5	4.5	0.0
	1983	98.2	1.8	0.0
	1984	44.3	55.7	0.0
	1985	74.0	26.0	0.0
	1986	88.2	11.8	0.1
	1987	82.4	17.3	0.0
	1988	87.4	12.6	0.0
	1989	76.3	23.7	0.0
	1990	45.5	54.5	0.0
<b>Atka Mackerel</b>				
	1984	100.0	0.0	0.0
	1986	0.0	100.0	0.0
	1987	0.0	100.0	0.0
	1988	3.4	96.6	0.0
	1989	1.0	99.0	0.0
	1990	0.3	99.7	0.0

Source: National Marine Fisheries Service office of the Pacific Marine Fisheries Commission, Pacific Fisheries Information Network, 7600 Sand Point Way N.E., BIN C15700, Seattle, WA 98115-0070.



**Table 16: -Percentage distribution of Landings in the domestic groundfish fisheries off Alaska among gear groups by area and species, 1981-90.**

Species	Year	Gulf of Alaska			Bering Sea/Aleutians			All Alaska		
		Trawl	Hook&Line	Other	Trawl	Hook&Line	Other	Trawl	Hook&Line	Other
<b>All Groundfish</b>										
	1981	37.6	51.6	10.8	99.5	0.2	0.3	84.8	12.4	2.8
	1982	57.3	40.7	2.0	93.1	0.0	6.9	84.5	9.8	5.7
	1983	51.2	47.0	1.8	98.7	0.0	1.3	91.0	7.7	1.4
	1984	31.0	65.8	3.2	99.3	0.0	0.7	83.3	15.4	1.3
	1985	60.7	34.7	4.7	95.9	2.3	1.8	85.7	11.7	2.6
	1986	63.0	33.5	3.5	89.8	3.2	7.1	80.0	14.2	5.7
	1987	68.7	30.0	1.3	96.6	3.0	0.3	89.0	10.4	0.6
	1988	76.0	22.6	1.4	98.6	1.3	0.1	94.6	5.1	0.3
	1989	80.8	19.0	0.2	98.4	1.6	0.0	96.3	3.7	0.0
	1990	81.6	14.9	3.5	96.5	3.4	0.1	94.7	4.8	0.5
<b>Pollock</b>										
	1981	75.3	--	--	100.0	--	--	82.5	--	--
	1982	98.9	--	--	100.0	--	--	99.0	--	--
	1983	100.0	--	--	99.5	--	--	99.6	--	--
	1984	99.9	--	--	98.4	--	--	98.6	--	--
	1985	95.2	--	--	99.8	--	--	98.3	--	--
	1986	99.8	--	--	89.5	--	--	92.4	--	--
	1987	99.8	0.1	--	99.8	0.1	0.1	99.8	0.1	0.1
	1988	99.8	0.2	--	100.0	--	--	100.0	0.0	--
	1989	100.0	0.0	--	100.0	0.0	--	100.0	0.0	--
	1990	99.7	0.0	0.3	99.9	0.1	0.0	99.9	0.1	0.0
<b>Sablefish</b>										
	1981	0.6	94.4	5.0	100.0	0.0	0.0	0.7	94.3	5.0
	1982	0.4	97.3	2.3	85.8	0.0	14.2	5.2	91.7	3.0
	1983	0.3	99.7	0.0	100.0	0.0	0.0	2.6	97.4	0.0
	1984	1.2	95.2	3.7	97.3	1.4	1.2	11.4	85.2	3.4
	1985	3.6	83.0	13.4	6.2	50.6	43.2	4.2	75.6	20.2
	1986	13.4	77.4	9.2	29.3	49.2	21.5	16.8	71.4	11.8
	1987	10.8	86.4	2.8	30.9	61.3	7.8	15.4	80.6	4.0
	1988	13.4	84.8	1.8	38.1	57.2	4.6	17.7	80.0	2.3
	1989	12.1	87.9	0.0	39.3	60.5	0.2	15.6	84.3	0.0
	1990	10.1	89.8	0.0	28.7	71.3	0.0	12.7	87.2	0.0
<b>Pacific Cod</b>										
	1981	69.4	18.3	12.2	99.7	0.2	0.1	97.6	1.5	0.9
	1982	91.1	7.5	1.5	93.1	0.0	6.9	92.9	0.6	6.4
	1983	95.3	1.5	3.2	98.6	0.0	1.4	98.3	0.1	1.6
	1984	87.8	8.2	3.9	99.4	0.0	0.5	98.6	0.7	0.8
	1985	86.6	12.7	0.7	99.9	0.1	0.0	99.1	0.9	0.0
	1986	72.6	25.7	1.8	99.2	0.1	0.7	94.1	5.1	0.9
	1987	69.6	28.0	2.3	96.7	3.1	0.2	85.9	13.0	1.0
	1988	82.5	12.7	4.8	96.7	2.9	0.4	93.0	5.5	1.5
	1989	90.3	8.8	0.9	88.6	11.3	0.1	89.0	10.6	0.3
	1990	82.0	8.7	9.3	69.8	29.1	1.1	73.6	22.7	3.7

Table 16. --Continued.

Species	Year	Gulf of Alaska			Bering Sea/Aleutians			All Alaska		
		Trawl	Hook&Line	Other	Trawl	Hook&Line	Other	Trawl	Hook&Line	Other
<b>Flatfish</b>										
	1981	99.9	0.0	0.0	0.0	0.0	0.0	99.9	0.0	0.0
	1982	99.9	0.0	0.1	100.0	0.0	0.0	99.9	0.0	0.1
	1983	99.9	0.0	0.1	100.0	0.0	0.0	99.9	0.0	0.1
	1984	98.5	0.2	1.3	94.0	3.9	2.2	98.3	0.4	1.3
	1985	93.2	6.5	0.3	66.9	33.1	0.0	89.3	10.5	0.3
	1986	98.4	1.6	0.0	96.8	3.0	0.2	97.1	2.7	0.2
	1987	94.2	5.7	0.1	90.1	9.8	0.1	90.5	9.4	0.1
	1988	98.8	1.1	0.0	94.7	5.3	0.0	95.4	4.6	0.0
	1989	98.6	0.8	0.6	97.4	2.6	0.0	97.5	2.4	0.1
	1990	99.1	0.6	0.3	97.8	2.2	0.0	98.2	1.7	0.1
<b>Rockfish</b>										
	1981	17.5	77.5	5.0	0.8	0.0	99.2	16.4	72.4	11.2
	1982	1.5	95.0	3.6	77.9	0.0	22.1	4.8	90.7	4.4
	1983	3.7	94.4	1.9	100.0	0.0	0.0	5.4	92.7	1.9
	1984	13.6	85.9	0.5	100.0	0.0	0.0	61.7	38.1	0.2
	1985	69.7	30.2	0.1	94.3	5.7	0.0	76.1	23.8	0.0
	1986	82.9	17.1	0.0	94.6	5.1	0.2	84.2	15.7	0.1
	1987	84.7	15.3	0.0	91.9	8.0	0.0	85.9	14.1	0.0
	1988	91.1	8.9	0.0	90.3	9.6	0.1	90.9	9.1	0.0
	1989	93.4	6.6	0.0	94.9	5.1	0.0	93.7	6.3	0.0
	1990	93.0	6.7	0.3	98.8	1.2	0.0	96.1	3.7	0.2
<b>Atka Mackerel</b>										
	1984	100.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
	1986	0.0	0.0	0.0	100.0	0.0	0.0	100.0	0.0	0.0
	1987	0.0	0.0	0.0	100.0	0.0	0.0	100.0	0.0	0.0
	1988	100.0	0.0	0.0	100.0	0.0	0.0	100.0	0.0	0.0
	1989	100.0	0.0	0.0	100.0	0.0	0.0	100.0	0.0	0.0
	1990	100.0	0.0	0.0	100.0	0.0	0.0	100.0	0.0	0.0

Source: National Marine Fisheries Service office of the Pacific Marine Fisheries Commission, Pacific Fisheries Information Network, 7600 Sand Point Way I.E., BIN C15700, Seattle, WA 98115-0070.

Table 17.--Percentage distribution of the ex-vessel value of the domestic groundfish catch off Alaska among species by area, 1984-90.

Year	Species	Gulf of Alaska	Bering Sea/Aleutians	All Alaska
1984				
	Pollock	1.4	7.1	5.2
	Sablefish	74.6	2.2	25.4
	Pacific Cod	11.0	88.8	63.8
	Flatfish	1.8	0.0	0.6
	Rockfish	10.0	2.0	4.5
	Atka Mackerel	0.1	0.0	0.0
	Other	1.2	0.0	0.4
1985				
	Pollock	12.7	15.9	14.4
	Sablefish	74.6	16.4	44.3
	Pacific Cod	4.0	65.1	35.8
	Flatfish	0.7	0.2	0.4
	Rockfish	7.3	1.3	4.2
	Other	0.8	1.0	0.9
1986				
	Pollock	6.1	35.9	18.8
	Sablefish	75.5	23.7	53.5
	Pacific Cod	6.4	30.8	16.7
	Flatfish	1.2	7.8	4.0
	Rockfish	9.9	1.5	6.3
	Atka Mackerel	0.0	0.0	0.0
	Other	0.9	0.4	0.7
1987				
	Pollock	10.4	49.7	30.7
	Sablefish	58.8	13.8	35.6
	Pacific Cod	18.0	23.9	21.1
	Flatfish	1.0	10.4	5.9
	Rockfish	11.4	1.6	6.3
	Atka Mackerel	0.0	0.1	0.0
	Other	0.4	0.5	0.4

Table 17.--Continued.

Year	Species	Gulf of Alaska	Bering Sea/Aleutians	All Alaska
1988				
	Pollock	9.3	62.1	40.3
	Sablefish	66.1	9.3	32.7
	Pacific Cod	10.9	18.2	15.2
	Flatfish	1.8	8.8	5.9
	Rockfish	11.4	1.0	5.3
	Atka Mackerel	0.0	0.5	0.3
	Other	0.5	0.1	0.3
1989				
	Pollock	11.6	72.1	54.8
	Sablefish	57.3	3.0	18.6
	Pacific Cod	13.2	16.7	15.7
	Flatfish	1.2	4.4	3.4
	Rockfish	16.3	1.1	5.5
	Atka Mackerel	0.1	2.6	1.9
	Other	0.3	0.1	0.1
1990				
	Pollock	13.4	72.6	60.1
	Sablefish	44.5	2.0	11.0
	Pacific Cod	27.6	18.4	20.3
	Flatfish	3.3	3.2	3.2
	Rockfish	10.4	2.0	3.8
	Atka Mackerel	0.0	1.5	1.2
	Other	0.8	0.3	0.4

Notes: Domestic values are based on ex-vessel prices that do not include the value added by at-sea processing; therefore, they reflect the value of catch prior to processing.

Source: National Marine Fisheries Service office of the Pacific Marine Fisheries Commission, Pacific Fisheries Information Network, 7600 Sand Point Way N.E., BIN C15700, Seattle, WA 98115-0070.

Table 18.--Percentage distribution of the ex-vessel value of the domestic groundfish catch off Alaska among areas by species, 1984-90.

Species	Year	Gulf of Alaska	Bering Sea/Aleutians	Unknown
<b>All Groundfish</b>				
	1984	32.1	67.9	0.0
	1985	48.0	52.0	0.0
	1986	57.3	42.4	0.3
	1987	48.4	51.6	0.0
	1988	41.2	58.8	0.0
	1989	28.7	71.3	0.0
	1990	21.1	78.9	0.0
<b>Pollock</b>				
	1984	8.3	91.7	0.0
	1985	42.5	57.5	0.0
	1986	18.4	80.9	0.6
	1987	16.4	83.6	0.0
	1988	9.5	90.5	0.0
	1989	6.1	93.9	0.0
	1990	4.7	95.3	0.0
<b>Sablefish</b>				
	1984	94.2	5.8	0.0
	1985	80.7	19.3	0.0
	1986	80.9	18.8	0.3
	1987	80.0	20.0	0.0
	1988	83.3	16.7	0.0
	1989	88.6	11.4	0.0
	1990	85.7	14.1	0.2
<b>Pacific Cod</b>				
	1984	5.5	94.5	0.0
	1985	5.3	94.7	0.0
	1986	21.8	78.0	0.2
	1987	41.5	58.4	0.1
	1988	29.5	70.5	0.0
	1989	24.2	75.8	0.0
	1990	28.7	71.3	0.0
<b>Flatfish</b>				
	1984	96.2	3.8	0.0
	1985	72.4	27.6	0.0
	1986	17.5	82.5	0.0
	1987	8.2	90.8	0.0
	1988	12.7	87.3	0.0
	1989	9.9	90.1	0.0
	1990	21.6	78.4	0.0

Table 18.--Continued.

Species	Year	Gulf of Alaska	Bering Sea/Aleutians	Unknown
<b>Rockfish</b>				
	1984	70.6	29.4	0.0
	1985	83.6	16.4	0.0
	1986	90.1	9.8	0.2
	1987	86.8	13.2	0.0
	1988	89.3	10.7	0.1
	1989	85.4	14.6	0.0
	1990	57.8	42.2	0.0
<b>Atka Mackerel</b>				
	1984	100.0	0.0	0.0
	1986	0.0	100.0	0.0
	1987	0.0	100.0	0.0
	1988	2.6	97.4	0.0
	1989	1.0	99.0	0.0
	1990	0.3	99.7	0.0

Notes: Domestic values are based on ex-vessel prices that do not include the value added by at-sea processing; therefore, they reflect the value of catch prior to processing.

Source: National Marine Fisheries Service office of the Pacific Marine Fisheries Commission, Pacific Fisheries Information Network, 7600 Sand Point Way N.E., BIN C15700, Seattle, WA 98115-0070.

Table 19. --Percentage distribution of the ex-vessel value of the domestic groundfish catch off Alaska among gear groups by area and species, 1984-90.

Species	Year	Gulf of Alaska			Bering Sea/Aleutians			All Alaska		
		Trawl	Hook&Line	Other	Trawl	Hook&Line	Other	Trawl	Hook&Line	Other
<b>All Groundfish</b>										
	1984	13.6	81.5	4.8	99.2	0.1	0.7	71.7	26.3	2.0
	1985	16.5	73.8	9.7	84.0	9.2	6.8	51.6	40.2	8.2
	1986	25.8	66.7	7.5	66.5	12.9	20.6	43.1	43.9	13.1
	1987	35.9	62.6	1.5	84.9	13.5	1.5	61.2	37.3	1.5
	1988	36.9	61.4	1.7	91.6	7.9	0.5	69.1	29.9	1.0
	1989	55.4	44.5	0.1	94.7	5.3	0.0	80.5	19.5	0.1
	1990	51.7	44.9	3.4	90.1	9.7	0.2	81.9	17.2	0.9
<b>Pollock</b>										
	1984	99.8	--	--	96.7	--	--	97.0	--	--
	1985	54.2	--	--	99.8	--	--	80.4	--	--
	1986	99.7	--	--	60.3	--	--	67.8	--	--
	1987	99.7	0.1	0.2	99.5	0.1	0.3	99.6	0.1	0.3
	1988	99.8	0.2	0.0	100.0	--	--	100.0	--	--
	1989	100.0	0.0	--	100.0	0.0	--	100.0	0.0	--
	1990	99.7	0.1	0.3	99.7	0.3	0.0	99.7	0.3	0.0
<b>Sablefish</b>										
	1984	0.6	93.9	5.5	93.8	5.0	1.2	6.0	88.8	5.3
	1985	2.3	84.7	13.0	4.6	54.0	41.5	2.8	78.8	18.5
	1986	9.5	80.8	9.7	23.1	51.5	25.3	12.0	75.4	12.6
	1987	7.1	91.1	1.8	23.1	67.9	9.0	10.3	86.4	3.3
	1988	11.5	86.8	1.7	34.0	61.7	4.3	15.3	82.6	2.1
	1989	9.7	90.3	0.0	32.8	67.0	0.2	12.3	87.7	0.0
	1990	9.7	90.3	0.0	26.4	73.6	0.0	12.0	88.0	0.0
<b>Pacific Cod</b>										
	1984	86.6	9.7	3.7	99.5	0.0	0.5	98.8	0.6	0.6
	1985	82.5	16.1	1.3	99.9	0.1	0.0	99.0	1.0	0.1
	1986	66.5	30.5	3.0	98.6	0.2	1.2	91.4	7.0	1.6
	1987	65.8	31.9	2.3	96.6	3.1	0.3	83.8	15.1	1.2
	1988	77.3	17.4	5.3	93.4	6.1	0.5	88.7	9.4	1.9
	1989	85.6	13.4	1.0	82.2	17.7	0.1	83.4	16.3	0.3
	1990	77.5	11.3	11.2	56.8	42.0	1.2	62.7	33.2	4.1
<b>Flatfish</b>										
	1984	98.5	0.2	1.3	91.4	5.4	3.2	98.2	0.4	1.4
	1985	88.5	8.4	3.1	54.3	45.7	0.0	79.1	18.7	2.2
	1986	94.7	5.3	0.0	94.8	4.7	0.4	94.8	4.8	0.4
	1987	84.8	14.9	0.3	71.3	28.5	0.2	72.4	27.4	0.2
	1988	97.7	2.3	0.0	90.9	9.1	0.0	91.7	8.3	0.0
	1989	97.4	1.8	0.8	96.8	3.2	0.0	96.8	3.1	0.1
	1990	98.3	1.3	0.4	97.0	3.0	0.0	97.3	2.6	0.1

Table 19.--Continued.

Species	Year	Gulf of Alaska			Bering Sea/Aleutians			All Alaska		
		Trawl	Hook&Line	Other	Trawl	Hook&Line	Other	Trawl	Hook&Line	Other
<b>Rockfish</b>										
	1984	4.7	95.0	0.3	100.0	0.0	0.0	32.7	67.1	0.2
	1985	47.6	52.3	0.1	93.1	6.9	0.0	55.1	44.8	0.1
	1986	66.0	34.0	0.1	87.6	11.9	0.5	68.0	31.9	0.1
	1987	75.5	24.5	0.0	86.6	11.7	1.7	75.7	24.3	0.0
	1988	85.0	15.0	0.0	78.0	21.9	0.1	84.2	15.8	0.0
	1989	90.2	9.8	0.0	87.0	13.0	0.0	90.2	9.8	0.0
	1990	86.1	13.3	0.6	96.7	3.1	0.2	90.6	9.0	0.4
<b>Atka Mackerel</b>										
	1984	100.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
	1986	0.0	0.0	0.0	100.0	0.0	0.0	100.0	0.0	0.0
	1987	0.0	0.0	0.0	100.0	0.0	0.0	100.0	0.0	0.0
	1988	100.0	0.0	0.0	100.0	0.0	0.0	100.0	0.0	0.0
	1989	100.0	0.0	0.0	100.0	0.0	0.0	100.0	0.0	0.0
	1990	100.0	0.0	0.0	100.0	0.0	0.0	100.0	0.0	0.0

Notes: Domestic values are based on ex-vessel prices that do not include the value added by at-sea processing; therefore, they reflect the value of catch prior to processing.

Source: National Marine Fisheries Service office of the Pacific Marine Fisheries Commission, Pacific Fisheries Information Network, 7600 Sand Point Way N.E., BIN C15700, Seattle, WA 98115-0070.



Table 20.--Number of vessels that landed groundfish in the domestic fisheries off Alaska by area and gear, 1986-90.

Gear	1986	1987	1988	1989	1990
Gulf of Alaska					
Hook and line	965	1,671	1,529	1,352	1,591
Pot	21	22	46	22	68
Trawl	61	113	122	135	189
Other	7	24	15	3	72
All	1,036	1,784	1,669	1,494	1,826
Bering Sea/Aleutian Islands					
Hook and line	60	121	110	78	117
Pot	9	11	12	5	11
Trawl	45	74	101	129	163
Other	4	1	0	1	6
All	111	204	220	209	286
All Alaska					
Hook and line	1,356	1,704	1,549	1,363	1,619
Pot	24	31	51	26	77
Trawl	80	153	184	205	250
Other	15	25	15	4	78
All	1,449	1,859	1,749	1,576	1,919

Source: National Marine Fisheries Service groundfish fish ticket data base, 7600 Sand Point Way N.E., BIN C15700, Seattle, WA 98115-0070.

Table 21.--Number of vessels that landed groundfish in the domestic fisheries off Alaska by area, gear, and vessel length class, 1986-90.

Gear/Length in feet		1986	1987	1988	1989	1990
Gulf of Alaska						
Hook and line	< 60	835	1,476	1,370	1,196	1,231
	60-84	89	136	114	103	125
	85-109	15	19	14	10	14
	110-134	4	6	7	10	13
	135-159	1	2	0	0	2
	160-184	1	1	4	4	2
	> 184	0	0	0	1	0
	Unknown	20	31	20	28	204
Pot	< 60	5	10	34	17	24
	60-84	8	4	1	1	25
	85-109	5	3	6	2	10
	110-134	1	1	2	0	3
	135-159	0	0	1	0	0
	160-184	2	1	2	1	0
	> 184	0	1	0	0	0
	Unknown	0	2	0	1	6
Trawl	< 60	18	35	37	31	40
	60-84	14	30	31	35	41
	85-109	10	19	18	24	27
	110-134	9	14	19	18	30
	135-159	2	4	3	4	5
	160-184	3	6	6	7	15
	> 184	3	4	6	14	23
	Unknown	2	1	2	2	8
Other	< 60	3	21	13	3	58
	60-84	0	0	0	0	4
	85-109	1	0	0	0	3
	110-184	0	0	1	0	1
	Unknown	3	3	1	0	6
All Gear	< 60	850	1,512	1,419	1,235	1,310
	60-84	107	160	141	135	158
	85-109	28	39	38	34	45
	110-134	14	19	28	28	44
	135-159	3	6	4	4	7
	160-184	6	7	11	12	17
	> 184	3	4	6	15	23
	Unknown	25	37	22	31	222

Table 21.- -Continued.

Gear/Length in feet		1986	1987	1988	1989	1990
Bering Sea/Aleutian Islands						
Hook and line	< 60	25	64	57	33	49
	60-84	29	44	33	28	36
	85-109	4	5	6	3	5
	110-134	1	3	8	9	11
	135-159	1	2	1	1	1
	160-184	0	1	4	3	3
	> 184	0	0	1	1	1
	Unknown	0	2	0	0	11
Pot	< 60	0	2	2	1	0
	60-84	2	0	1	1	1
	85-109	2	3	4	1	3
	110-134	3	3	2	0	2
	135-159	0	1	1	0	1
	160-184	2	2	2	2	4
Trawl	< 60	2	6	5	9	7
	60-84	7	10	13	19	14
	85-109	11	14	18	25	26
	110-134	12	21	28	28	41
	135-159	3	4	4	5	5
	160-184	4	6	10	9	14
	> 184	3	7	22	30	35
	Unknown	3	6	1	4	21
Other	< 60	1	0	0	0	0
	85-109	2	0	0	0	2
	110-134	1	0	0	0	2
	> 184	0	0	0	0	1
	Unknown	0	1	0	0	1
All Gear	< 60	38	72	63	41	55
	60-84	15	53	47	47	50
	85-109	14	22	28	28	33
	110-134	4	25	37	37	53
	135-159	6	7	6	6	6
	160-184	3	9	16	14	21
	> 184	3	7	22	31	36
	Unknown	28	9	1	5	32

Table 21.- -Continued.

Gear/Length in feet	1986	1987	1988	1989	1990
All Alaska					
Hook and line < 60	1,213	1,502	1,381	1,203	1,246
60-84	91	139	115	103	127
85-109	17	19	16	11	15
110-134	4	7	9	12	13
135-159	1	2	1	1	2
160-184	1	2	5	4	3
> 184	0	0	1	1	1
Unknown	29	33	21	28	212
Pot < 60	5	12	35	18	24
60-84	8	4	2	2	26
85-109	5	4	7	3	12
110-134	4	4	3	0	4
135-159	0	1	1	0	1
160-184	2	3	3	2	4
> 184	0	1	0	0	0
Unknown	0	2	0	1	6
Trawl < 60	20	39	40	36	45
60-84	18	36	41	44	44
85-109	15	27	29	42	37
110-134	12	26	34	32	41
135-159	3	4	4	5	6
160-184	4	7	11	10	15
> 184	3	8	22	30	35
Unknown	5	6	3	6	27
Other < 60	8	21	13	3	58
60-109	3	0	0	0	9
110-134	1	0	1	0	3
> 184	0	0	0	0	1
Unknown	3	4	1	1	7
All Gear < 60	1,234	1,540	1,433	1,246	1,328
60-84	113	168	150	144	163
85-109	33	48	51	53	57
110-134	18	33	45	44	56
135-159	4	7	6	6	8
160-184	7	11	18	16	22
> 184	3	8	22	31	36
Unknown	37	44	24	36	249

Source: National Marine Fisheries Service groundfish fish ticket data base, 7600 Sand Point Way N.E.. BIN C15700, Seattle, WA 98115-0070.

Table 22.--Number of vessels that landed groundfish in the domestic fisheries off Alaska by area, species, mode of operation, and gear, 1986-90.

Species/Year	At-sea				Shore-based			
	Hook&Line	Pot	Trawl	Other	Hook&Line	Pot	Trawl	Other
Gulf of Alaska								
Pollock								
1986	0	0	8	0	27	0	28	0
1987	0	0	9	0	99	0	77	3
1988	0	0	15	0	47	2	84	4
1989	0	0	27	0	14	0	52	0
1990	2	1	51	0	32	4	77	6
Sablefish								
1986	1	0	7	1	517	18	19	0
1987	5	3	7	0	756	2	5	0
1988	12	4	18	1	777	3	40	0
1989	75	0	27	0	672	1	31	0
1990	93	0	30	0	741	0	26	3
Pacific Cod								
1986	0	0	11	0	303	8	36	3
1987	3	2	14	0	988	13	86	18
1988	12	2	17	0	678	39	95	11
1989	19	1	29	0	533	18	94	1
1990	28	3	59	0	709	66	121	64
Flatfish								
1986	0	0	4	0	23	0	35	1
1987	1	0	13	0	79	3	71	2
1988	3	0	16	0	32	2	71	4
1989	6	0	29	0	20	1	58	0
1990	14	0	53	0	58	1	87	5
Rockfish								
1986	0	0	6	0	607	5	26	4
1987	5	3	9	0	989	2	40	5
1988	11	2	18	1	1,046	3	52	6
1989	65	0	28	0	997	1	48	2
1990	70	0	36	0	1,023	0	66	7
Atka Mackerel								
1988	0	0	6	0	0	0	0	0
1989	0	0	11	0	1	0	0	0
1990	0	0	12	0	0	0	0	0

Table 22.-Continued.

Species/Year	At-sea				Shore-based			
	Hook&Line	Pot	Trawl	Other	Hook&Line	Pot	Trawl	Other
<b>All Groundfish</b>								
1986	1	0	12	1	964	21	49	6
1987	7	4	18	0	1,664	18	95	24
1988	16	5	22	1	1,514	41	100	14
1989	76	1	37	0	1,334	21	101	3
1990	98	3	64	0	1,559	67	132	72
<b>Bering Sea/Aleutian Islands</b>								
<b>Pollock</b>								
1986	0	0	13	4	1	1	15	1
1987	0	0	23	0	2	1	33	1
1988	1	0	45	0	0	0	31	0
1989	4	0	80	0	1	0	22	0
1990	6	0	112	5	3	0	50	1
<b>Sablefish</b>								
1986	1	0	9	0	49	7	9	0
1987	6	3	14	0	55	6	4	0
1988	18	3	27	0	77	3	2	0
1989	49	2	35	0	25	0	3	0
1990	35	0	29	0	50	0	8	0
<b>Pacific Cod</b>								
1986	0	0	16	4	13	4	26	1
1987	2	2	26	0	64	4	40	0
1988	15	5	47	0	30	6	48	0
1989	19	4	83	0	15	1	51	0
1990	39	4	120	5	63	8	66	1
<b>Flatfish</b>								
1986	0	0	1	0	25	4	17	0
1987	4	2	18	0	83	2	16	0
1988	14	1	42	0	58	0	20	0
1989	37	1	67	0	11	0	23	0
1990	32	0	100	2	38	1	52	1
<b>Rockfish</b>								
1986	0	0	7	0	27	1	9	0
1987	5	2	14	0	76	2	2	0
1988	15	2	28	0	61	0	9	0
1989	46	0	45	0	18	0	13	0
1990	39	0	72	1	47	0	39	0

Table 22.--Continued.

Species/Year	At-sea				Shore-based			
	Hook&Line	Pot	Trawl	Other	Hook&Line	Pot	Trawl	Other
<b>Atka Mackerel</b>								
1986	0	0	0	0	0	0	2	0
1987	0	0	1	0	0	0	0	0
1988	0	0	12	0	0	0	0	0
1989	0	0	45	0	0	0	8	0
1990	1	0	39	0	0	0	22	0
<b>All Groundfish</b>								
1986	1	0	17	4	59	9	30	1
1987	6	3	31	0	115	8	47	1
1988	19	5	57	0	93	7	52	0
1989	49	4	88	0	38	1	52	0
1990	57	4	128	5	80	8	69	1
<b>All Alaska</b>								
<b>Pollock</b>								
1986	0	0	13	4	28	1	33	1
1987	0	0	24	0	102	1	96	4
1988	1	0	46	0	47	2	105	4
1989	4	0	81	0	15	0	71	0
1990	6	1	116	5	32	4	101	7
<b>Sablefish</b>								
1986	1	0	9	1	526	19	24	0
1987	6	4	15	0	763	8	9	0
1988	21	4	29	1	784	5	42	0
1989	87	2	40	0	675	1	34	0
1990	103	0	35	0	746	0	33	3
<b>Pacific Cod</b>								
1986	0	0	16	4	314	11	53	5
1987	3	2	29	0	1,025	17	110	18
1988	17	5	49	0	696	43	130	11
1989	21	4	84	0	540	19	128	1
1990	50	7	123	5	752	72	147	65
<b>Flatfish</b>								
1986	0	0	9	0	45	4	46	3
1987	4	2	20	0	148	5	81	2
1988	14	1	42	0	84	2	87	4
1989	39	1	70	0	30	1	77	0
1990	37	0	104	2	90	2	115	6

Table 22.--Continued.

Species/Year	At-sea				Shore-based			
	Hook&Line	Pot	Trawl	Other	Hook&Line	Pot	Trawl	Other
<b>Rockfish</b>								
1986	0	0	8	0	676	5	29	6
1987	7	3	15	0	1,018	4	42	5
1988	16	2	30	1	1,057	3	60	6
1989	77	0	53	0	1,000	1	60	2
1990	87	0	77	1	1,033	0	91	7
<b>Atka Mackerel</b>								
1986	0	0	0	0	0	0	2	0
1987	0	0	1	0	0	0	0	0
1988	0	0	13	0	0	0	0	0
1989	0	0	46	0	1	0	8	0
1990	1	0	41	0	0	0	22	0
<b>All Groundfish</b>								
1986	1	0	17	5	1,355	24	65	11
1987	7	5	33	0	1,697	26	125	25
1988	22	6	58	1	1,529	45	136	14
1989	87	4	90	0	1,343	22	134	3
1990	120	7	131	5	1,579	73	158	73

Source: National Marine Fisheries Service groundfish fish ticket data base,  
7600 Sand Point Way N.E., BIN C15700, Seattle, WA 98115-0070.



Table 23.- -Number of vessels that landed groundfish in the domestic fisheries off Alaska by area, gear, mode of operation, and residency, 1986-90.

Year	Residency	At-sea				Shore-based			
		Hook and line	Pot	Trawl	Other	Hook and line	Pot	Trawl	Other
Gulf of Alaska									
1986	Alaska	1	0	0	0	773	16	27	3
	Other	0	0	4	0	73	4	8	0
	Unknown	0	0	8	1	118	1	14	3
1987	Alaska	3	0	0	0	1,362	13	52	20
	Other	2	4	6	0	116	1	31	2
	Unknown	2	0	12	0	186	4	12	2
1988	Alaska	8	2	0	0	1,276	37	67	12
	Other	3	3	9	0	102	2	22	0
	Unknown	5	0	13	1	136	2	11	2
1989	Alaska	33	0	4	0	1,098	21	68	3
	Other	9	0	16	0	107	0	26	0
	Unknown	34	1	17	0	129	0	7	0
1990	Alaska	38	2	1	0	1,074	38	57	52
	Other	25	0	6	0	179	6	18	4
	Unknown	35	1	57	0	306	23	57	16
Bering Sea/Aleutian Islands									
1986	Alaska	1	0	0	0	36	5	12	0
	Other	0	0	4	0	5	3	12	0
	Unknown	0	0	13	4	18	1	6	1
1987	Alaska	3	0	0	0	68	3	9	0
	Other	2	3	10	0	12	5	24	0
	Unknown	1	0	21	0	35	0	14	1
1988	Alaska	8	2	4	0	55	5	10	0
	Other	4	3	20	0	7	2	29	0
	Unknown	7	0	33	0	31	0	13	0

Table 23.- -Continued.

Year	Residency	At-sea				Shore-based			
		Hook and line	Pot	Trawl	Other	Hook and line	Pot	Trawl	Other
1989	Alaska	17	0	5	0	22	1	13	0
	Other	8	3	40	0	6	0	32	0
	Unknown	24	1	43	0	10	0	7	0
1990	Alaska	11	0	6	0	28	1	11	0
	Other	13	1	17	2	26	1	14	0
	Unknown	33	3	105	3	26	6	44	1
All Alaska									
1986	Alaska	1	0	0	0	1,068	18	34	6
	Other	0	0	4	0	158	4	15	1
	Unknown	0	0	13	5	129	2	16	4
1987	Alaska	3	0	0	0	1,386	16	57	20
	Other	2	5	10	0	120	6	47	2
	Unknown	2	0	23	0	191	4	21	3
1988	Alaska	10	2	4	0	1,287	39	71	12
	Other	4	4	20	0	105	4	45	0
	Unknown	8	0	34	1	137	2	20	2
1989	Alaska	37	0	6	0	1,104	22	73	3
	Other	11	3	40	0	109	0	49	0
	Unknown	39	1	44	0	130	0	12	0
1990	Alaska	45	2	7	0	1,082	38	60	52
	Other	30	1	17	2	181	7	23	4
	Unknown	45	4	107	3	316	28	75	17

Source: National Marine Fisheries Service groundfish fish ticket data base, 7600 Sand Point Way N.E., BIN C15700, Seattle, WA 98115-0070.

Table 24.--Number of vessels that landed groundfish in the domestic fishery off Alaska by area, gear, year, and month, 1986-90.

	Month											
	J	F	M	A	M	J	J	A	S	O	N	D
<b>Gulf of Alaska</b>												
<b>Pots</b>												
1986	0	2	1	10	11	9	3	2	2	3	1	4
1987	0	2	2	6	5	6	2	3	2	4	5	5
1988	0	8	16	24	21	5	1	2	0	3	9	4
1989	0	4	7	8	5	3	2	3	1	0	1	4
1990	1	12	15	12	7	6	7	15	24	31	21	25
<b>Longline</b>												
1986	50	66	106	488	545	182	42	47	185	94	104	87
1987	91	182	243	826	806	575	78	74	359	295	157	134
1988	107	152	240	653	916	647	69	63	377	230	64	39
1989	35	82	85	582	778	702	75	41	434	100	40	49
1990	61	57	118	612	1,024	747	53	179	175	40	45	41
<b>Trawl</b>												
1986	23	25	21	17	2	1	4	6	12	19	25	22
1987	16	21	23	29	18	16	18	35	41	49	52	50
1988	33	43	58	61	38	34	37	22	31	45	59	38
1989	28	48	78	71	45	37	33	34	23	18	6	1
1990	48	69	110	116	48	16	45	46	58	83	27	0
<b>Other Gear</b>												
1986	0	0	1	0	1	0	2	1	1	1	1	0
1987	0	0	3	2	4	10	3	2	0	2	1	2
1988	4	6	5	5	4	1	0	0	1	1	0	0
1989	0	0	0	0	2	1	0	0	0	0	0	0
1990	0	13	22	28	15	18	14	8	4	6	6	7
<b>All Gear</b>												
1986	73	93	128	512	556	190	51	56	200	117	131	113
1987	107	205	269	862	830	607	101	112	400	345	215	188
1988	142	208	313	738	970	685	107	87	407	277	131	81
1989	63	134	170	660	828	741	110	78	458	118	47	54
1990	110	144	258	761	1,082	784	116	246	259	159	97	72

Table 24.- -Continued.

	Month											
	J	F	M	A	M	J	J	A	S	O	N	D
<b>Bering Sea/Aleutian Islands</b>												
<b>Pots</b>												
1986	2	3	3	1	1	2	1	2	0	1	0	1
1987	2	2	1	1	1	2	2	2	4	1	1	2
1988	1	0	2	3	5	1	0	2	1	1	2	1
1989	0	0	2	2	1	1	2	0	1	0	0	1
1990	1	1	1	1	1	0	3	1	2	5	2	2
<b>Longline</b>												
1986	3	6	11	5	3	22	32	21	3	4	4	1
1987	7	9	13	10	8	46	76	73	7	4	6	5
1988	4	10	12	8	15	20	50	58	35	12	9	6
1989	3	5	9	5	12	14	49	26	9	10	16	11
1990	12	8	7	9	30	52	66	46	24	20	19	8
<b>Trawl</b>												
1986	5	25	27	21	16	12	12	10	8	7	7	8
1987	14	25	27	27	14	12	17	29	27	37	31	33
1988	44	36	42	35	20	23	32	37	44	57	61	64
1989	67	63	72	54	40	44	57	58	72	54	68	67
1990	89	91	98	85	89	86	71	73	83	74	39	14
<b>Other Gear</b>												
1986	0	0	0	0	1	1	0	0	2	3	2	2
1987	0	0	0	1	0	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	1	0	2	1	0	1	0	0	1	0	0
<b>All Gear</b>												
1986	10	32	41	26	21	37	45	33	12	15	12	12
1987	23	36	41	39	23	59	95	104	38	42	38	40
1988	49	46	56	46	40	44	82	96	80	70	72	71
1989	70	68	83	61	53	59	108	84	82	64	83	79
1990	102	100	106	95	119	138	140	119	109	99	60	23

Table 24.- -Continued.

	Month											
	J	F	M	A	M	J	J	A	S	O	N	D
<b>All Alaska</b>												
<b>Pots</b>												
1986	2	4	3	11	11	10	4	3	2	4	1	5
1987	2	4	3	6	5	7	3	4	6	5	6	7
1988	1	8	18	27	23	6	1	3	1	4	10	5
1989	0	4	9	10	6	4	4	3	2	0	1	5
1990	2	13	16	13	8	6	10	16	26	35	23	27
<b>Longline</b>												
1986	56	78	133	500	556	356	416	364	324	98	107	89
1987	98	190	256	829	814	629	150	145	365	303	163	138
1988	111	160	250	655	927	661	106	116	402	244	72	42
1989	38	85	92	582	786	707	106	62	443	108	54	59
1990	71	63	124	616	1,038	788	118	222	198	59	63	47
<b>Trawl</b>												
1986	28	44	45	36	17	12	15	16	19	24	28	28
1987	28	42	50	55	31	26	31	55	61	79	80	79
1988	74	78	97	91	55	57	61	55	70	99	111	95
1989	93	105	135	114	82	77	80	81	88	70	72	68
1990	132	148	183	176	128	97	107	114	131	128	64	14
<b>Other</b>												
1986	0	0	1	0	2	1	3	4	3	4	3	2
1987	0	0	3	3	4	10	3	2	0	2	1	2
1988	4	6	5	5	4	1	0	0	1	1	0	0
1989	0	0	0	0	2	1	0	0	0	0	0	0
1990	0	14	22	30	16	18	15	8	4	7	6	7
<b>All Gear</b>												
1986	86	124	181	543	582	377	438	387	347	130	138	124
1987	128	236	310	891	851	669	187	204	430	384	250	223
1988	188	251	364	773	1,000	723	168	171	472	346	192	142
1989	131	194	236	704	873	787	190	146	533	177	126	132
1990	205	230	338	826	1,176	905	246	356	357	227	154	93

**Note:** All areas include the separate areas reported and unknown areas.

Source: National Marine Fisheries Service groundfish fish ticket data base, 7600 Sand Point Way N.E., BIN C15700, Seattle, WA' 98115-0070.

Table 25.--Number of domestic catcher-processors and motherships in the groundfish fishery off Alaska reporting catch to National Marine Fisheries Service by area, gear, year, and month, 1986-90.

	Month											
	J	F	M	A	M	J	J	A	S	O	N	D
Number of Catcher-Processors												
Gulf of Alaska												
Pots												
1986	0	0	0	2	5	4	2	1	1	1	2	1
1987	0	0	1	2	2	2	2	3	1	1	0	0
1988	0	0	0	4	4	1	1	1	1	2	3	3
1989	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	1	2	1	0	0	0
Longline												
1986	0	0	0	3	3	3	1	0	0	0	0	0
1987	0	0	0	5	5	1	0	0	0	2	1	1
1988	0	1	1	9	9	6	4	3	2	2	2	4
1989	2	6	9	14	17	15	11	3	5	1	0	0
1990	8	8	9	20	16	5	0	0	0	0	0	0
Trawl												
1986	3	2	4	5	3	3	6	7	8	10	7	7
1987	3	3	5	6	8	8	9	7	10	7	6	4
1988	6	4	8	11	14	15	15	9	8	7	3	3
1989	2	0	18	23	22	18	17	10	5	1	0	0
1990	1	1	14	19	14	12	24	20	15	21	11	0
All Gear												
1986	3	2	4	10	11	10	9	8	9	11	9	8
1987	3	3	6	13	15	11	11	10	11	10	7	5
1988	6	5	9	24	27	23	20	13	11	11	8	10
1989	4	6	27	37	39	33	28	13	10	2	0	0
1990	9	9	23	39	30	17	25	21	16	21	11	0

Table 25.- -Continued.

	Month											
	J	F	M	A	M	J	J	A	S	O	N	D
Number of Catcher-Processors												
Bering Sea/Aleutian Islands												
Pots												
1986	0	0	1	0	0	2	2	2	2	1	1	1
1987	3	3	1	0	0	0	1	3	2	1	1	1
1988	2	1	1	2	2	1	1	1	2	1	1	1
1989	0	1	2	1	3	2	2	0	2	0	0	0
1990	0	0	0	0	1	0	3	3	2	1	0	0
Longline												
1986	1	3	3	0	0	0	2	3	2	2	2	0
1987	1	4	4	0	1	5	4	4	4	1	1	0
1988	5	5	4	0	5	5	12	11	11	12	8	6
1989	6	8	7	3	6	17	19	17	13	3	0	0
1990	11	12	11	4	14	24	23	23	24	24	23	21
Trawl												
1986	3	5	9	9	7	5	6	5	5	9	7	7
1987	14	17	13	11	10	10	14	13	14	14	12	11
1988	18	21	21	18	13	11	20	20	26	31	29	31
1989	39	42	37	30	24	26	37	39	42	11	0	0
1990	48	52	52	40	39	50	37	47	55	48	39	24
All Gear												
1986	4	8	13	9	7	7	10	10	9	12	10	8
1987	18	24	18	11	11	15	19	20	20	16	14	12
1988	25	27	26	20	20	17	32	32	39	42	37	38
1989	45	51	46	34	33	45	56	55	55	14	0	0
1990	59	64	63	44	54	74	63	73	81	73	62	45

Table 25.--Continued.

	Month											
	J	F	M	A	M	J	J	A	S	O	N	D
Number of Catcher-Processors												
All Alaska												
Pots												
1986	0	0	1	2	5	4	4	3	3	2	3	2
1987	3	3	2	2	2	2	3	4	3	1	1	1
1988	2	1	1	5	5	1	1	2	2	3	4	4
1989	0	1	2	1	3	2	2	0	2	0	0	0
1990	0	0	0	0	1	0	4	5	3	1	0	0
Longline												
1986	1	3	3	3	3	3	2	3	2	2	2	0
1987	1	4	4	5	5	5	4	4	4	3	2	1
1988	5	5	4	9	10	10	12	12	12	12	8	8
1989	7	12	13	15	21	21	20	17	16	4	0	0
1990	17	17	18	22	24	24	23	23	24	24	23	21
Trawl												
1986	5	7	12	12	7	6	10	12	13	14	13	12
1987	15	19	16	17	17	15	19	18	19	20	17	13
1988	21	23	23	23	22	23	29	26	28	33	31	31
1989	39	42	43	44	43	42	44	41	44	11	0	0
1990	48	52	53	52	53	52	55	58	60	57	43	24
All Gear												
1986	6	10	16	17	15	13	16	18	18	18	18	14
1987	19	26	22	24	24	22	26	26	26	24	20	15
1988	28	29	28	37	37	34	41	40	42	46	41	43
1989	46	55	58	60	67	65	64	57	60	15	0	0
1990	65	69	71	74	78	76	82	85	87	82	66	45



Table 25.--Continued.

	Month											
	J	F	M	A	M	J	J	A	S	O	N	D
Number of Motherships												
Gulf of Alaska												
Pots												
1990	0	0	0	0	0	0	1	1	1	0	0	0
Longline												
1989	0	0	0	2	2	2	2	0	0	0	0	0
1990	0	0	0	8	4	4	0	0	0	0	0	0
Trawl												
1986	0	0	0	0	0	0	0	0	0	0	1	0
1987	0	0	0	0	0	0	0	0	1	1	0	0
1988	0	0	0	0	0	0	1	0	0	0	0	0
1989	0	0	2	2	0	0	0	1	0	0	0	0
1990	0	0	2	2	0	1	2	3	1	2	1	0
All Gear												
1986	0	0	0	0	0	0	0	0	0	0	1	0
1987	0	0	0	0	0	0	0	0	1	1	0	0
1988	0	0	0	0	0	0	1	0	0	0	0	0
1989	0	0	2	4	2	2	2	1	0	0	0	0
1990	0	0	2	10	4	5	3	4	2	2	1	0
Number of Motherships												
Bering Sea/Aleutian Islands												
Longline												
1989	0	0	0	0	0	0	2	1	0	0	0	0
1990	0	0	0	0	1	2	2	2	0	0	0	0
Trawl												
1986	0	1	1	1	1	1	1	1	1	1	1	0
1987	1	1	1	1	1	1	1	1	1	1	1	1
1988	2	2	2	2	2	2	2	2	2	1	2	3
1989	4	5	5	3	4	3	3	3	3	0	0	0
1990	4	5	5	5	5	6	5	5	6	5	4	1

Table 25.- -Continued.

	Month											
	J	F	M	A	M	J	J	A	S	O	N	D
<b>All Gear</b>												
1986	0	1	1	1	1	1	1	1	1	1	1	0
1987	1	1	1	1	1	1	1	1	1	1	1	1
1988	2	2	2	2	2	2	2	2	2	1	2	3
1989	4	5	5	3	4	3	5	4	3	0	0	0
1990	4	5	5	5	6	8	7	7	6	5	4	1
<b>Number of Motherships</b>												
<b>All Alaska</b>												
<b>Pots</b>												
1990	0	0	0	0	0	0	1	1	1	0	0	0
<b>Longline</b>												
1989	0	0	0	2	2	2	2	1	0	0	0	0
1990	0	0	0	8	5	4	2	2	0	0	0	0
<b>Trawl</b>												
1986	0	1	1	1	1	1	1	1	1	1	1	0
1987	1	1	1	1	1	1	1	1	1	1	1	1
1988	2	2	2	2	2	2	2	2	2	1	2	3
1989	4	5	5	4	4	3	3	3	3	0	0	0
1990	4	5	5	5	5	6	7	7	7	5	5	1
<b>All Gear</b>												
1986	0	1	1	1	1	1	1	1	1	1	1	0
1987	1	1	1	1	1	1	1	1	1	1	1	1
1988	2	2	2	2	2	2	2	2	2	1	2	3
1989	4	5	5	6	6	5	5	4	3	0	0	0
1990	4	5	5	13	10	10	9	10	8	5	5	1

**Note:** Catcher-processors and motherships that were not required to report weekly to NMFS are not included. Since 1986, the numbers excluded have decreased as reporting requirements have been expanded. Very few vessels were excluded in 1989.

Source: NMFS Alaska Region weekly catcher-processor and mothership catch data base, 7600 Sand Point Way N.E., BIN C15700, Seattle, WA 98115-0070.

Table 26 ,--Production of groundfish products in the commercial fisheries off Alaska by species, 1990, in metric tons, product weight and value in million dollars.

Species/Product	1990	
	Quantity	Value
<b>Pollock</b>		
Fillets	74,879	172.2
Minced	13,553	16.1
Surimi	177,099	277.1
Roe	12,715	96.9
Fish meal	57,180	30.4
Other	8,989	<u>5.0</u>
Total		597.8
<b>Pacific cod</b>		
Whole	22,547	21.4
Headed and gutted	65,382	118.0
Fillets	16,827	60.7
Salted and split	10,301	36.3
Other	5,998	<u>9.5</u>
Total		245.9
<b>Sablefish</b>		
Headed and gutted	18,495	84.7
Other	222	<u>0.8</u>
Total		85.7
<b>Flatfish</b>		
Whole	11,870	17.4
Headed and gutted	19,295	44.9
Fillets	1,007	3.9
Kirimi	1,676	2.8
Other	85	<u>0.0</u>
Total		69.0
<b>Rockfish</b>		
Headed and gutted	22,593	52.5
Other	1,224	<u>2.8</u>
Total		55.3
<b>Atka mackerel</b>		
Headed and gutted	11,041	21.7
Other	2,044	<u>4.2</u>
Total		25.9
<b>Total</b>		<b>\$1,079.5</b>

Source: National Marine Fisheries Service, Alaska Regional Office, Weekly Processor data: and Northwest Regional Office.

Table 27.--Annual wholesale prices of frozen fish blocks and fillets,  
F.O.B. East Coast, 1976-90, in cents/lb.

Year	Blocks				Fillets			
	Cod	Minced cod	Alaska pollock	Whiting	Cod (Canada)	Cod (Iceland)	Flounder	Ocean perch
1976	74.1	31.1	43.0	42.4	NA	111.2	106.1	84.9
1977	97.8	36.1	60.7	54.4	NA	126.7	116.7	93.1
1978	100.0	37.7	68.6	59.8	NA	130.0	126.3	98.1
1979	103.9	50.4	68.8	67.2	NA	155.0	148.1	106.7
1980	105.6	51.8	69.5	74.1	NA	160.0	144.5	101.8
1981	109.2	51.1	80.5	74.3	NA	172.3	118.2	101.0
1982	110.9	51.3	72.4	66.2	127.5	180.0	141.0	108.1
1983	116.9	39.9	65.6	61.2	126.5	180.0	144.9	104.2
1984	104.0	30.4	67.9	56.8	130.0	180.0	158.5	101.4
1985	110.6	45.9	58.0	62.7	125.6	180.0	179.6	108.2
1986	141.7	60.5	78.9	69.0	165.0	196.4	186.0	141.0
1987	186.7	55.2	104.5	96.8	212.5	245.2	199.6	154.4
1988	163.2	66.5	85.8	93.2	154.2	241.5	202.9	132.2
1989	155.0	72.8	80.7	85.8	167.7	230.0	204.5	125.6
1990	199.0	64.3	94.5	91.7	216.0	253.8	NA	NA

NA - Not available.

Source: Fishery Market News Report, Natl. Mar. Fish. Serv.,  
408 Atlantic Ave., Boston, MA 02210-2203.

Table 28.- -Monthly wholesale prices of selected frozen fish blocks and fillets, F.O.B. East Coast, 1985-90, in cents/lb.

Month	Blocks				Fillets			
	Cod	Minced cod	Alaska pollock	Whiting	Cod (Canada)	Cod (Iceland)	Flounder	Ocean perch
1985								
Jan.	104.0	36.2	66.9	63.0	125.0	180.0	177.5	102.5
Feb.	104.0	40.0	67.0	63.0	125.0	180.0	177.5	NQ
Mar.	104.0	41.5	67.0	63.0	125.0	180.0	177.5	105.0
Apr.	104.0	42.5	NQ	62.5	125.0	180.0	177.5	107.5
May	104.0	43.5	65.5	63.0	127.5	180.0	177.5	107.5
Jun.	103.0	43.5	65.5	62.5	122.5	180.0	180.0	107.5
Jul.	107.0	45.0	63.0	62.5	120.0	180.0	177.5	107.5
Aug.	110.0	45.5	NQ	62.5	120.0	180.0	180.0	107.5
Sep.	112.0	49.0	61.0	62.5	122.5	180.0	182.5	107.5
Oct.	119.0	52.0	61.5	62.5	125.0	180.0	182.5	107.5
Nov.	125.0	54.0	61.5	63.0	135.0	180.0	180.0	NQ
Dec.	130.0	57.0	62.5	63.0	140.0	180.0	185.0	122.5
1986								
Jan.	132.5	57.0	62.5	62.5	140.0	180.0	185.0	122.5
Feb.	135.0	59.0	64.0	62.5	145.0	180.0	185.0	122.5
Mar.	135.0	60.0	65.0	62.5	145.0	180.0	185.0	NQ
Apr.	135.0	61.0	67.0	62.5	150.0	185.0	185.0	NQ
May	135.0	61.0	67.0	62.5	147.5	185.0	185.0	135.0
Jun.	135.0	61.0	70.0	63.5	142.5	190.0	185.0	137.5
Jul.	140.0	61.0	NQ	66.5	150.0	190.0	185.0	137.5
Aug.	145.0	61.0	84.0	69.0	165.0	197.0	185.0	137.5
Sep.	150.0	61.0	91.0	73.0	175.0	205.0	185.0	150.0
Oct.	150.0	61.0	95.0	75.0	192.5	205.0	187.5	155.0
Nov.	150.0	61.0	98.0	81.0	207.5	230.0	187.5	152.5
Dec.	157.5	61.0	104.0	81.0	222.5	230.0	192.5	160.0
1987								
Jan.	160.0	61.0	105.0	87.5	225.0	230.0	190.0	157.5
Feb.	170.0	57.0	109.0	93.5	227.5	245.0	197.5	157.5
Mar.	172.5	54.0	107.0	97.5	227.5	245.0	197.5	152.5
Apr.	175.0	51.0	104.0	95.0	222.5	245.0	197.5	152.5
May	180.0	49.0	103.0	96.5	200.0	245.0	197.5	150.0
Jun.	187.5	NQ	103.0	96.0	212.5	247.5	197.5	NQ
Jul.	195.0	53.5	105.0	97.5	212.5	247.5	195.0	162.5
Aug.	200.0	55.0	105.0	100.0	212.5	247.5	200.0	NQ
Sep.	200.0	55.0	105.0	100.0	215.0	247.5	200.0	162.5
Oct.	200.0	55.0	105.0	100.0	212.5	247.5	207.5	NQ
Nov.	200.0	58.0	103.0	99.0	195.0	247.5	207.5	147.5
Dec.	200.0	59.0	99.5	99.0	187.5	247.5	207.5	147.5

Table 28.--Continued.

Month	Blocks				Fillets			Ocean perch
	Cod	Minced cod	Alaska pollock	Whiting	Cod (Canada)	Cod (Iceland)	Flounder	
1988								
Jan.	200.0	60.0	97.5	99.0	187.5	247.5	207.5	147.5
Feb.	200.0	60.0	93.0	98.0	172.5	260.0	205.0	147.5
Mar.	200.0	65.0	86.5	95.0	160.0	260.0	205.0	142.5
Apr.	185.0	65.0	NQ	NQ	157.5	260.0	200.0	137.5
May	NQ	65.0	NQ	92.5	147.5	260.0	200.0	130.0
Jun.	160.0	65.0	85.0	92.0	145.0	230.0	200.0	130.0
Jul.	150.0	69.0	85.0	92.0	140.0	230.0	200.0	NQ
Aug.	NQ	69.0	83.5	91.0	137.5	230.0	NQ	125.0
Sep.	130.0	70.0	83.5	91.0	137.5	230.0	202.5	120.0
Oct.	132.5	70.0	81.5	91.0	147.5	230.0	205.0	120.0
Nov.	135.0	70.0	82.5	92.0	157.5	230.0	205.0	122.5
Dec.	140.0	70.0	80.0	92.0	160.0	230.0	202.5	NQ
1989								
Jan.	142.5	70.0	81.0	91.0	162.5	230.0	202.5	NQ
Feb.	150.0	71.0	80.0	89.0	165.0	230.0	202.5	NQ
Mar.	152.5	73.5	79.0	88.0	172.5	230.0	207.5	122.5
Apr.	152.5	73.5	79.0	87.0	165.0	230.0	207.5	NQ
May	155.0	73.5	79.0	86.0	162.5	230.0	207.5	125.0
Jun.	157.5	75.0	79.0	86.0	157.5	230.0	NQ	125.0
Jul.	157.5	75.0	79.0	86.0	160.0	230.0	NQ	125.0
Aug.	157.5	73.0	79.0	83.0	165.0	230.0	202.5	125.0
Sep.	157.5	72.5	81.0	83.0	172.5	230.0	202.5	125.0
Oct.	157.5	72.5	83.5	83.0	177.5	230.0	205.0	127.5
Nov.	157.5	72.5	83.5	83.0	177.5	230.0	205.0	130.0
Dec.	162.5	72.0	85.5	84.0	175.0	230.0	202.5	125.0
1990								
Jan.	162.5	71.0	85.5	84.0	175.0	230.0	NA	NA
Feb.	170.0	69.0	85.5	84.0	175.0	230.0	NA	NA
Mar.	172.5	68.0	85.5	84.0	185.0	230.0	NA	NA
Apr.	175.0	66.5	85.5	84.0	192.5	230.0	NA	NA
May	180.0	66.5	85.5	83.0	200.0	230.0	NA	NA
Jun.	200.0	65.0	88.0	83.0	210.0	230.0	NA	NA
Jul.	200.0	62.5	88.5	84.0	210.0	240.0	NA	NA
Aug.	210.0	57.5	93.0	88.0	225.0	260.0	NA	NA
Sep.	215.0	56.0	97.0	NQ	232.5	280.0	NA	NA
Oct.	225.0	56.0	102.5	101.0	252.5	295.0	NA	NA
Nov.	235.0	65.0	112.5	115.0	272.5	295.0	NA	NA
Dec.	242.5	69.0	112.5	119.0	262.5	295.0	NA	NA

NQ - No quote. NA - Not available.

Source: Fishery Market News Report, Natl. Mar. Fish. Serv.,  
408 Atlantic Ave., Boston, MA 02210-2203.

Table 29.- -Monthly producer prices for domestic Alaska pollock and Pacific cod products, in cents/lb, F.O.B. Seattle, 1987-90.\*

Month	Alaska pollock				Pacific cod	
	Blocks		Fillets		Fillets (shatter-pack)	
	16.5 lb	55 lb	Shatter	IQF	8-16 oz	16-32 oz
1987						
Jan.	115	105	152	160	260	270
Feb.	122	104	153	165	257	267
Mar.	120	104	146	155	252	262
Apr.	120	105	155	160	248	261
May	121	110	152	155	245	256
Jun.	122	105	152	152	243	256
Jul.	122	105	150	150	243	256
Aug.	121	104	147	147	243	256
Sep.	118	102	142	150	243	256
Oct.	120	102	138	145	238	251
Nov.	114	--	125	132	232	240
Dec.	112	--	118	130	228	235
1988						
Jan.	113	95	118	128	220	230
Feb.	114	--	110	128	--	--
Mar.	107	90	110	128	205	215
Apr.	103	92	117	125	205	214
May	106	85	119	129	205	212
Jun.	106	85	122	125	208	217
Jul.	104	85	121	129	198	208
Aug.	99	80	120	125	192	202
Sep.	95	80	120	125	195	205
Oct.	95	80	120	125	195	205
Nov.	88	80	122	125	195	205
Dec.	92	80	122	122	195	202
1989						
Jan.	92	80	110	125	189	194
Feb.	95	80	112	132	202	208
Mar.	96	80	112	132	200	208
Apr.	95	80	112	125	200	208
May	96	76	111	132	209	217
Jun.	94	73	110	132	205	212
Jul.	96	73	110	132	194	209
Aug.	94	73	108	128	198	208
Sep.	98	--	115	125	198	208
Oct.	100	--	115	129	202	208
Nov.	99	85	96	126	186	192
Dec.	100	85	105	122	188	192

Table 29.- -Continued.

Month	Alaska pollock				Pacific cod	
	Blocks		Fillets		Fillets (shatter-pack)	
	16.5 lb	55 lb	Shatter	IQF	8-16 oz	16-32 oz
1990						
Jan.	98	--	108	120	190	189
Feb.	100	--	108	125	192	190
Mar.	100	--	108	130	193	191
Apr.	98	--	108	129	196	199
May	100	--	114	130	202	204
Jun.	95	--	120	124	220	224
Jul.	108	--	128	143	232	240
Aug.	107	--	145	158	246	253
Sep.	110	--	160	165	265	268
Oct.	109	--	170	175	275	280
Nov.	115	--	174	178	274	280
Dec.	120	--	180	180	280	282

\* - Midpoint of high and low for the month.

IQF - Individually quick frozen.

Source: Fishery Market News, Natl. Mar. Fish. Serv., 7600 Sand Point Way N.E., BIN C15700, Seattle, WA 98115-0070.



Table 30.- -Monthly Japanese landing market price of selected groundfish by species, 1983-90, in yen/kilogram (weighted average).

Species	Month											
	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
Flatfish, fresh												
1983	488	541	491	334	276	305	381	405	407	441	472	468
1984	544	569	580	428	331	346	377	392	372	469	468	450
1985	543	629	462	394	366	352	385	385	370	392	396	427
1986	585	692	606	510	438	402	532	498	478	518	550	603
1987	671	721	659	488	440	439	518	492	504	518	543	547
1988	586	695	716	630	523	496	568	497	528	547	546	587
1989	634	712	645	588	505	542	590	486	515	552	613	692
1990	674	704	701	665	497	515	615	629	597	637	687	801
Cod, fresh												
1983	195	177	130	103	99	99	128	104	90	158	177	246
1984	224	217	181	134	111	111	139	109	116	201	197	227
1985	226	163	129	113	100	102	74	76	76	117	122	182
1986	129	174	140	115	90	87	106	97	82	130	155	178
1987	160	144	122	108	74	63	50	110	89	146	182	155
1988	176	112	124	89	90	90	130	114	88	180	223	229
1989	170	155	168	119	105	87	132	129	121	211	204	325
1990	282	230	180	148	123	124	153	113	151	192	242	343
Cod, frozen												
1983	279	280	251	251	231	243	268	274	248	261	288	284
1984	307	290	337	354	314	357	369	344	375	373	381	348
1985	319	265	262	288	294	299	288	348	306	296	288	309
1986	292	--	275	257	213	298	--	327	295	359	358	426
1987	315	305	332	319	317	--	284	340	348	380	334	304
1988	313	274	199	191	215	--	--	224	227	348	--	330
1989	280	300	308	238	236	--	132	202	201	350	384	377
1990	374	427	326	347	411	--	--	373	353	--	320	300
Alaska pollock, fresh												
1983	94	115	103	60	66	73	85	46	33	43	44	37
1984	67	94	78	51	41	38	38	30	32	44	58	57
1985	121	101	81	73	71	63	41	33	38	53	79	87
1986	152	139	91	59	74	70	65	73	76	87	77	60
1987	81	81	45	60	48	43	34	41	40	48	48	39
1988	85	113	69	52	35	40	39	38	33	38	32	58
1989	96	117	67	49	47	43	36	35	31	42	48	70
1990	121	121	76	64	57	58	55	57	50	53	66	94

Table 30. --Continued.

Species	Month											
	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
<b>Atka mackerel, fresh</b>												
1983	89	97	105	148	126	146	232	238	162	81	102	59
1984	84	79	127	210	170	201	263	175	179	109	82	59
1985	50	89	122	114	144	147	208	182	78	59	64	56
1986	60	93	93	103	149	99	124	73	86	62	49	55
1987	57	44	54	76	67	45	42	41	36	71	42	50
1988	40	41	80	59	86	63	87	90	44	48	37	33
1989	41	37	42	40	47	36	31	55	46	106	53	44
1990	42	54	45	50	42	48	59	61	57	64	79	85
<b>Rockfish, fresh</b>												
1983	913	829	819	770	765	910	1022	988	791	841	830	1085
1984	965	1028	1104	1036	760	986	1032	1029	898	1011	1064	1248
1985	1122	1187	1043	869	908	1090	1256	1252	932	954	981	1176
1986	1478	1611	1446	1299	1005	1157	1333	1436	1390	1463	1454	1576
1987	1825	1591	1337	957	1118	1282	1466	1518	1393	1420	1318	1427
1988	1703	1378	1395	1375	1309	1431	1573	1366	1275	1256	1419	1628
1989	1760	1493	1670	1583	1513	1765	1935	1835	1588	1682	1830	2056
1990	2058	1975	1919	1896	1803	2049	2316	1961	1643	1948	2017	2231

Source: Monthly Stat. of Agriculture, Forestry, and Fisheries, Stat. and Info. Dept., Ministry of Agriculture, Forestry, and Fishery, Government of Japan. Available from Alaska Fish. Sci. Cen., 7600 Sand Point Way N.E., BIN C15700, Seattle, WA 98115-0070.

Table 31.--Monthly Tokyo wholesale prices of selected products, 1983-90,  
in yen per kilogram (weighted average).

Year	Month											
	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
Flatfish, frozen												
1983	557	559	571	556	486	498	516	569	568	569	602	565
1984	547	542	604	471	560	626	623	498	609	506	516	466
1985	559	520	516	535	597	543	587	525	513	462	592	509
1986	479	473	423	503	563	552	545	496	586	569	603	580
1987	528	502	593	594	580	557	601	496	518	624	499	531
1988	496	503	462	451	442	437	408	424	407	419	396	392
1989	409	357	349	421	343	433	410	457	462	472	480	459
1990	496	433	439	463	509	616	570	578	637	526	592	552
Cod, frozen												
1983	304	329	391	443	391	382	322	355	400	397	415	443
1984	477	410	404	349	416	377	378	452	470	458	434	429
1985	433	483	344	340	374	318	444	386	413	351	416	423
1986	431	434	404	382	371	402	376	395	432	466	436	518
1987	486	384	365	404	398	352	444	433	464	552	557	418
1988	499	515	552	505	482	483	472	525	531	507	495	479
1989	472	451	341	600	529	474	511	608	174	529	506	577
1990	566	635	623	588	601	678	690	748	708	684	620	726
Surimi, factory-processed												
1983	390	390	390	390	390	390	410	410	400	380	410	410
1984	410	410	410	410	410	410	410	410	425	410	425	425
1985	425	425	425	425	425	425	425	435	425	435	435	435
1986	495	495	495	495	495	500	500	500	500	500	500	500
1987	500	480	480	480	480	480	480	480	480	480	480	480
1988	480	480	480	480	480	480	480	480	480	480	480	480
1989	480	480	480	480	480	480	480	480	480	480	480	480
Surimi, land-processed, grade 2												
1983	215	210	208	210	220	285	325	240	210	215	200	180
1984	185	220	245	230	200	190	192	180	180	215	215	190
1985	240	220	235	245	260	295	260	210	215	230	256	265
1986	300	308	320	330	355	315	315	315	335	335	200	245
1987	230	230	230	240	235	230	230	220	220	210	210	200
1988	210	230	230	220	210	210	210	205	200	195	180	198
1989	195	190	195	195	200	205	205	205	200	200	200	210

Note: Beginning in 1988, prices are for six large cities wholesale market.

Source: Monthly Stat. of Agriculture, Forestry, and Fisheries, Stat. and Info. Dep., Ministry of Agriculture, Forestry, and Fisheries, Government of Japan; and Foreign Fishery Information Release, Natl. Mar. Fish. Serv., 501 W. Ocean Blvd. Suite 4200, Long Beach, CA 90802-4213;

Table 32.- Monthly Tokyo wholesale prices of sablefish by size and sea-processed and shore-processed surimi, 1985-90, in \$/lb, product weight.

Month	Sablefish			Surimi	
	5-7 lb	4-5 lb	3-4 lb	Sea-proc.	Shore-proc.*
1985					
Jan.	1.90	1.80	1.74	.73	--
Feb.	2.01	1.91	1.84	.71	--
Mar.	2.12	2.02	1.94	.71	.40
Apr.	2.27	2.15	2.04	.73	.45
May	2.27	2.14	2.05	.74	.45
Jun.	2.27	2.16	2.10	.75	.58
Jul.	2.36	2.22	2.14	.81	.58
Aug.	2.18	2.02	1.94	.82	.51
Sep.	2.19	2.02	1.88	.81	.48
Oct.	2.48	2.32	2.14	.92	.54
Nov.	2.58	2.38	2.12	.97	.58
Dec.	2.62	2.32	2.02	.96	.65
1986					
Jan.	2.54	2.32	2.05	.96	.72
Feb.	2.75	2.50	2.18	1.14	.76
Mar.	2.92	2.65	2.04	1.22	.82
Apr.	2.78	2.49	1.94	1.19	.82
May	2.85	2.58	1.99	1.30	.88
Jun.	2.69	2.41	1.86	1.34	1.02
Jul.	2.53	2.24	1.73	1.37	1.11
Aug.	2.62	2.27	1.88	1.42	1.04
Sep.	2.60	2.27	2.02	1.44	1.02
Oct.	2.69	2.38	2.20	1.45	1.03
Nov.	2.59	2.31	2.14	1.38	.98
Dec.	2.59	2.31	2.14	1.38	1.00
1987					
Jan.	2.64	2.34	2.20	1.42	.92
Feb.	2.70	2.40	2.26	1.45	.85
Mar.	2.52	2.28	2.26	1.45	.80
Apr.	2.55	2.41	2.30	1.52	.84
May	2.55	2.35	2.19	1.60	.87
Jun.	2.35	2.16	2.04	1.54	.84
Jul.	2.30	2.10	1.96	1.52	.82
Aug.	2.48	2.26	2.12	1.48	.80
Sep.	2.83	2.66	2.45	1.62	.85
Oct.	3.02	2.86	2.68	1.58	.83
Nov.	3.38	3.20	3.02	1.68	.89
Dec.	3.32	3.13	2.94	1.72	.90

Table 32.--Continued.

Month	Sablefish			Surimi	
	5-7 lb	4-5 lb	3-4 lb	Sea-proc.	Shore-proc.*
1988					
Jan.	3.50	--	3.10	1.82	.96
Feb.	3.22	3.02	2.80	1.74	.87
Mar.	3.16	3.00	2.80	1.72	.86
Apr.	3.16	3.03	2.85	1.76	.88
May	3.18	3.06	2.88	1.60	.90
Jun.	3.18	3.06	2.88	1.60	.90
Jul.	2.94	2.76	2.60	1.48	.82
Aug.	2.94	2.76	2.58	1.48	.82
Sep.	2.95	2.78	2.62	1.48	.85
Oct.	3.08	2.92	2.74	1.48	.85
Nov.	3.36	3.18	3.00	1.60	.91
Dec.	3.34	3.16	2.97	1.66	.94
1989					
Jan.	3.24	3.06	2.88	1.60	.92
Feb.	3.15	2.85	2.68	1.58	.84
Mar.	3.22	2.92	2.74	1.60	.85
Apr.	3.12	2.82	2.66	1.56	.83
May	3.02	2.74	2.54	1.53	.82
Jun.	2.80	2.58	2.36	1.43	.76
Jul.	2.76	2.56	2.30	1.46	.78
Aug.	2.70	2.45	2.18	1.43	.80
Sep.	2.72	2.46	2.20	1.43	.76
Oct.	2.78	2.53	2.27	1.44	.76
Nov.	2.74	2.49	2.24	1.42	.76
Dec.	2.74	2.49	2.24	1.42	.76
1990					
Jan.	2.74	2.48	2.30	1.41	.76
Feb.	2.95	2.67	2.51	1.41	.76
Mar.	2.91	2.64	2.52	1.38	.73
Apr.	2.80	2.62	2.50	1.30	.69
May	2.87	2.77	2.69	1.28	.73
Jun.	2.79	2.56	2.41	1.31	.83
Jul.	2.87	2.66	2.54	1.34	.85
Aug.	3.02	2.93	2.87	1.34	.85
Sep.	3.20	3.12	2.87	1.42	.90
Oct.	3.44	3.32	3.28	1.50	.96
Nov.	3.70	3.62	3.54	1.58	1.00
Dec.	3.90	3.80	3.66	1.50	.96

Note: Prices are average of spot prices.

\* - Japanese shore-processed, grade 2 surimi.

Source: Foreign Fish. Info. Release, Natl. Mar. Fish. Serv.,  
501 W. Ocean Blvd, Suite 4200, Long Beach, CA 90802-4213.

Table 33. --Annual exports of groundfish from Alaska and Washington customs districts, quantity (1,000 lbs), value (\$1,000), average price (\$/lb), 1984-90.

Product	Quantity	Value	Average price
<b>Whole or dressed</b>			
<b>Cod</b>			
1989	40,546	\$ 39,614	\$0.98
1990	159,216	114,275	.72
<b>Flounders and soles</b>			
1989	31,559	43,911	1.39
1990	51,229	36,009	.70
<b>Pollock</b>			
1984	293	318	1.08
1985	1,055	920	.87
1986	1,937	2,145	1.11
1987	4,647	3,353	.72
1988	3,578	3,350	.94
1989	8,127	4,392	.54
1990	3,313	2,448	.74
<b>Sablefish</b>			
1984	9,377	10,374	1.11
1985	14,838	20,624	1.39
1986	24,323	32,438	1.33
1987	39,162	66,130	1.69
1988	39,246	83,260	2.12
1989	47,149	79,930	1.70
1990	40,706	68,496	1.68
<b>Total whole or dressed</b>			
1984	39,258	34,337	.87
1985	44,516	53,174	1.19
1986	76,695	93,863	1.22
1987	108,039	151,191	1.40
1988	190,799	240,908	1.26
1989	226,893	268,912	1.19
1990	440,856	389,297	.88
<b>Filletts and steaks</b>			
<b>Cod</b>			
1986	7,100	9,502	1.34
1987	6,961	11,226	1.61
1988	9,813	14,735	1.50
1989	1,017	1,230	1.21
1990	2,455	2,832	1.15
<b>Halibut</b>			
1986	1,685	2,782	1.65
1987	1,092	2,018	1.85
1988	1,511	2,592	1.72
1989	1,671	2,434	1.46
1990	1,884	4,203	2.23

Table 33.- -Continued.

Product	Quantity	Value	Average price
<b>Other</b>			
1986	7,812	\$ 9,606	\$1.23
1987	17,979	21,699	1.21
1988	27,685	29,747	1.07
1989	24,947	24,339	.98
1990	14,708	15,292	1.04
<b>Total fillets and steaks</b>			
1984	4,752	5,599	1.18
1985	5,763	6,963	1.21
1986	16,596	21,891	1.32
1987	26,032	34,945	1.34
1988	39,010	47,075	1.21
1989	27,634	28,003	1.01
1990	19,047	22,327	1.17
<b>Other</b>			
<b>Fish roe, excluding herring and salmon</b>			
1984	518	1,732	3.34
1985	316	888	2.81
1986	960	1,881	1.96
1987	2,053	4,457	2.17
1988	4,747	12,596	2.65
1989	22,862	72,116	3.15
1990	37,431	104,499	2.79
<b>Fish, dried, salted, smoked</b>			
1986	1,586	1,914	1.21
1987	3,521	4,487	1.27
1988	7,814	11,093	1.42
1989	13,613	15,927	1.17
1990	11,977	15,524	1.30
<b>Fish, other</b>			
1984	292	483	1.65
1985	406	250	.62
1986	1,219	1,350	1.11
1987	6,529	5,629	.86
1988	46,447	40,621	.87
1989	156,671	141,723	.90
1990	340,348	257,139	.76

Source: U.S. Dep. of Commerce, Bur. of the Census, and Natl. Mar. Fish. Serv. data base from Alaska Fish. Sci. Cen., 7600 Sand Point Way N.E., BIN C15700, Seattle, WA 98115-0070.

Table 34.- Exports of groundfish from Alaska and Washington customs districts to major countries, quantity (1,000 lbs), percent change from 1989 to 1990, and average price (\$/lb), 1989-90.

Product/Country	Quantity		% Change 1989-90	Average price	
	1989	1990		1989	1990
<b>Whole or dressed</b>					
<b>Cod</b>					
Total	40,546	159,216	+293	\$0.98	\$0.72
Japan	31,454	72,059	+129	1.11	.81
Norway	3,467	37,910	+993	.54	.72
Rep. of Korea	5,006	33,565	+570	.43	.49
<b>Flounders and soles</b>					
Total	31,559	51,229	+62	1.39	.70
Japan	29,088	40,089	+38	1.43	.77
Rep. of Korea	1,614	10,669	+561	.90	.42
<b>Sablefish</b>					
Total	47,149	40,706	-14	1.70	1.68
Japan	46,250	36,371	-21	1.71	1.82
<b>Total</b>	226,893	440,856	+94	1.19	.88
Japan	200,481	278,640	+39	1.21	.96
Rep. of Korea	8,957	60,081	+571	.55	.48
Norway	3,526	40,457	+1,047	.54	.72
Fed. Rep. Germany	393	41,206	*	.92	.87
<b>Fillets and steaks</b>					
Total	27,634	19,047	-31	1.01	1.17
Fed. Rep. Germany	520	8,649	+1,563	1.21	.85
Canada	4,528	4,484	-1	1.46	1.58
Japan	19,925	2,044	-90	.89	1.88
<b>Roe</b>					
Total	22,862	37,431	+64	3.15	2.79
Japan	17,886	30,792	+72	2.99	2.61
Rep. of Korea	4,549	6,099	+34	3.01	3.28
<b>Salted, dried, or smoked</b>					
Total	13,613	11,977	-12	1.15	1.30
Portugal	12,518	10,556	-16	1.06	1.35
<b>Other</b>					
Total	156,671	340,348	+117	.90	.76
Japan	123,544	271,859	+120	.89	.74
Rep. of Korea	25,827	51,118	+98	.99	.70

\* - Greater than 2,000%.

Source: U.S. Dep. Commer., Bur. of the Census; and Natl. Mar. Fish. Serv. data base from Alaska Fish. Sci. Cent., 7600 Sand Point Way N.E., BIN C15700, Seattle, WA 98115-0070.



Table 35.- -U.S. imports of groundfish fillets, steaks, and blocks, 1976-90, quantity in million lbs, product weight and value in million dollars.

Year	<u>Fillets and steaks</u>		<u>Blocks</u>		<u>Total</u>	
	Quantity	Value	Quantity	Value	Quantity	Value
1976	337	\$273	379	\$211	716	\$484
1977	321	305	385	292	706	597
1978	333	341	406	325	739	666
1979	340	385	408	337	748	722
1980	297	341	336	289	633	630
1981	346	415	344	301	690	716
1982	371	458	319	274	690	732
1983	355	449	384	339	739	788
1984	373	459	316	263	689	722
1985	388	500	334	275	722	775
1986	366	542	364	380	730	922
1987	408	759	403	539	812	1,298
1988	323	568	303	382	626	950
1989	333	578	282	325	616	903
1990	262	482	257	369	519	854

Source: U.S. Dep. Commer., Bur. of the Census, Washington, D.C. 20233, and Natl. Mar. Fish. Serv. data base available from Alaska Fish. Sci. Cen., 7600 Sand Point Way N.E., BIN C15700, Seattle, WA 98115-0070.

Table 36.- -U.S. imports of groundfish fillets, steaks, and blocks by country of origin, 1983-90 (in million lbs, product weight).

Country	1983	1984	1985	1986	1987	1988	1989	1990
Canada	314.0	311.7	306.7	327.6	348.1	319.9	322.4	272.5
Iceland	152.8	141.6	152.5	126.4	115.7	82.3	90.8	65.8
Rep. Korea	61.1	56.6	59.3	66.4	97.0	68.7	47.6	36.6
Denmark	85.0	86.7	81.7	69.3	85.6	58.5	38.2	31.5
Poland	2.1	2.1	18.4	18.8	28.5	12.8	14.2	27.6
Argentina	13.0	5.3	10.7	14.6	22.7	15.5	22.9	24.8
Uruguay	11.6	9.3	13.6	10.9	16.2	6.6	8.9	8.1
Norway	38.4	30.7	21.8	29.5	40.8	29.8	13.7	7.3
Netherlands	2.6	5.4	9.3	7.9	10.8	5.5	7.7	6.2
Japan	25.8	19.4	27.7	31.2	18.9	11.1	12.6	4.9
U. K.	6.8	5.1	6.4	7.8	9.4	2.2	3.0	1.1
Other	<u>26.2</u>	<u>15.7</u>	<u>13.8</u>	<u>19.3</u>	<u>18.1</u>	<u>12.9</u>	<u>33.2</u>	<u>32.7</u>
Total	739.3	689.6	721.9	729.7	811.8	625.8	615.5	519.1

Source: U.S. Dep. Commer., Bur. of the Census, Washington, D.C. 20233, and Natl. Mar. Fish. Serv. data base and available from Alaska Fish. Sci. Cen., 7600 Sand Point Way N.E., BIN C15700, Seattle, WA 98115-0070.

Table 37. --U.S. imports of whole or dressed groundfish, 1976-90,  
 quantity in 1,000 lbs, product weight and value in  
 \$1,000.

Year	Canada		Other		Total	
	Quantity	Value	Quantity	Value	Quantity	Value
1976	13,935	\$ 4,932	4,526	\$ 6,216	18,461	\$11,148
1977	11,701	4,330	4,294	5,598	15,995	9,928
1978	10,659	4,115	4,248	5,838	14,907	9,953
1979	15,682	6,175	5,965	8,902	21,647	15,077
1980	16,402	6,617	2,668	5,243	19,070	11,860
1981	28,908	12,090	3,577	7,107	32,485	19,197
1982	38,342	14,215	3,487	7,006	41,829	21,221
1983	48,941	18,117	4,183	7,072	53,124	25,189
1984	80,882	30,029	4,773	7,334	85,655	37,363
1985	99,174	37,538	5,214	8,793	104,388	46,331
1986	99,521	47,703	7,886	12,499	107,407	60,202
1987	107,351	56,094	4,106	11,542	111,457	67,636
1988	84,494	43,871	5,961	11,081	90,455	54,952
1989	95,982	52,107	14,074	16,401	110,056	68,508
1990	81,829	42,076	17,817	20,629	99,646	62,705

Source: U.S. Dep. Commer., Bur. of the Census, Washington, D.C.  
 20233, and Natl. Mar. Fish. Serv., Alaska Fish. Sci. Cen.,  
 7600 Sand Point Way N.E., Seattle, WA 98115-0070.

Table 38.--U.S. per capita consumption of fish and shellfish, 1970-90,  
population in millions and consumption in lbs, edible weight.

Year	Total civilian population	Per capita consumption			
		Fresh and frozen	Canned	Cured	Total
1970	201.9	6.9	4.5	.4	11.8
1971	204.9	6.7	4.3	.5	11.5
1972	207.5	7.1	4.9	.5	12.5
1973	209.6	7.4	5.0	.4	12.8
1974	211.6	6.9	4.7	.5	12.1
1975	213.8	7.5	4.3	.4	12.2
1976	215.9	8.2	4.2	.5	12.9
1977	218.1	7.7	4.6	.4	12.7
1978	220.5	8.1	5.0	.3	13.4
1979	223.0	7.8	4.8	.4	13.0
1980	225.7	7.9	4.3	.3	12.5
1981	227.9	7.8	4.6	.3	12.7
1982	230.3	7.9	4.3	.3	12.5
1983	232.6	8.4	4.7	.3	13.4
1984	234.8	9.0	4.9	.3	14.2
1985	237.0	9.8	5.0	.3	15.1
1986	239.4	9.8	5.4	.3	15.5
1987	241.7	10.7	5.2	.3	16.2
1988	244.1	10.0	4.9	.3	15.2
1989	246.6	10.2	5.1	.3	15.6
1990	249.2	10.1	5.1	.3	15.5

Note: Per capita consumption represents pounds of edible-meat consumed from domestically caught and imported fish and shellfish adjusted for beginning and ending inventories, and exports, divided by the civilian population of the United States as of 1 July of each year.

Source: Fisheries of the United States, 1990. U.S. Dep. Commer., Natl. Mar. Fish. Serv., 1335 East-West Highway, Silver Spring, MD 20910, Current Fish. Stat. No. 9000, May 1991, p. 71.

Table 39.- -U.S. consumption of all fillets and steaks  
and fish sticks and portions, total in 1,000 lbs  
and per capita in lbs, product weight, 1980-90.

Year	Fillets and steaks		Fish sticks and portions	
	Total	Per capita*	Total	Per capita*
1980	545,347	2.40	442,892	1.95
1981	564,844	2.46	414,149	1.80
1982	582,630	2.51	400,455	1.73
1983	649,828	2.77	413,858	1.77
1984	713,159	3.02	430,895	1.82
1985	776,093	3.25	419,547	1.76
1986	799,480	3.32	431,511	1.79
1987	861,449	3.55	419,250	1.72
1988	830,922	3.38	365,415	1.49
1989	800,906	3.23	376,384	1.52
1990	901,015	3.60	358,029	1.43

\* - Total divided by total U.S. resident population.

Source: Computed from data from U.S. Dep. of Commerce,  
Bur. of the Census and Natl. Mar. Fish. Serv.,  
Fisheries of the United States, 1335 East-West  
Highway, Silver Spring, MD 20910, various issues.

Table 40.- Annual U.S. economic indicators: Selected producer and consumer price indexes, 1976-90.

Year	Producer price index (Index 1982=100)					Consumer price index (Index 1982-84=100)			
	All comm.	Meat	Poultry	Fish	Petrl. products	All items	Meat	Poultry	Fish
1976	61.1	69.3	93.0	64.5	36.3	56.9	66.4	76.4	60.2
1977	64.9	68.1	96.9	69.7	40.5	60.6	64.9	76.9	66.6
1978	69.9	83.6	108.5	74.1	42.2	65.2	77.0	84.9	73.0
1979	78.7	93.3	105.5	90.9	58.4	72.6	90.1	89.1	80.1
1980	89.8	94.1	108.1	87.8	88.6	82.4	92.7	93.7	87.5
1981	98.0	95.4	108.1	89.5	105.9	90.9	96.0	97.5	94.8
1982	100.0	100.0	100.0	100.0	100.0	96.5	100.7	95.8	98.2
1983	101.3	94.3	103.6	105.4	89.9	99.6	99.5	97.0	99.3
1984	103.7	94.5	115.2	112.7	87.4	103.9	99.8	107.3	102.5
1985	103.2	90.8	110.5	116.5	83.2	107.6	98.9	106.2	107.5
1986	100.2	93.9	116.2	125.6	53.2	109.6	102.0	114.2	117.4
1987	102.8	100.3	103.4	141.9	56.8	113.6	109.6	112.6	129.9
1988	106.9	99.6	111.5	157.5	53.8	119.4	113.0	121.8	139.9
1989	112.2	104.7	120.4	149.2	61.2	124.0	116.7	132.6	143.6
1990	116.2	116.9	113.6	153.7	74.8	130.6	128.4	132.5	146.7

Source: Producer prices and price indexes, and Consumer price indexes, U.S. Dep. of Labor, Bur. of Labor Statistics.

Table 41.--Monthly U.S. economic indicators: Selected producer and consumer price indexes, 1985-90.

Month	Producer price index (Index 1982=100)					Consumer price index (Index 1982-84=100)			
	All comm.	Meat	Poultry	Fish	Petrl. products	All items	Meat	Poultry	Fish
1985									
Jan.	103.4	94.6	111.3	120.4	78.3	105.5	100.9	106.7	107.6
Feb.	103.3	94.9	110.0	116.6	75.8	106.0	100.8	107.8	106.3
Mar.	103.1	92.2	108.5	116.5	76.4	106.4	100.4	106.7	106.8
Apr.	103.3	89.4	105.1	120.3	78.4	106.9	99.2	106.4	106.7
May	103.5	89.3	105.8	118.1	81.0	107.3	98.1	104.9	104.9
Jun.	103.3	89.5	109.4	100.3	79.0	107.6	98.0	106.0	105.2
Jul.	103.2	90.7	110.4	105.7	77.7	107.8	97.8	105.4	106.7
Aug.	102.6	88.2	109.2	109.3	76.4	108.0	97.3	105.0	107.6
Sep.	102.1	85.2	112.7	110.4	76.6	108.3	97.0	106.0	108.3
Oct.	102.9	89.8	111.8	110.3	77.0	108.7	97.4	105.2	108.1
Nov.	103.4	92.9	116.7	122.7	79.0	109.0	99.2	106.4	111.0
Dec.	103.6	94.6	114.2	125.0	80.1	109.3	100.6	108.2	111.4
1986									
Jan.	103.2	92.4	107.6	124.8	79.8	109.6	100.8	107.1	117.6
Feb.	101.7	89.0	105.4	125.0	68.9	109.3	100.0	107.3	114.1
Mar.	100.0	87.5	105.3	125.6	56.7	108.8	99.3	107.1	115.4
Apr.	99.6	85.8	105.6	124.9	52.0	108.6	97.7	105.9	115.8
May	100.0	90.0	107.7	121.6	53.3	108.9	97.6	107.4	115.8
Jun.	99.9	90.9	112.9	123.8	53.3	109.5	98.5	109.8	115.1
Jul.	99.4	96.7	127.5	121.0	44.7	109.5	101.6	118.0	118.5
Aug.	98.3	100.9	137.5	123.8	44.3	109.7	104.2	125.2	118.2
Sep.	99.4	100.5	124.7	124.9	48.2	110.2	105.6	122.5	118.5
Oct.	99.7	98.4	130.7	124.6	45.5	110.3	105.7	121.7	119.6
Nov.	99.8	97.5	120.9	126.9	45.5	110.4	106.3	120.4	119.1
Dec.	99.7	97.4	114.6	132.4	46.4	110.5	106.6	118.8	121.2
1987									
Jan.	100.5	95.1	108.8	143.2	50.8	111.4	107.4	117.0	127.0
Feb.	101.1	94.6	106.0	149.9	53.9	111.8	106.3	116.4	127.4
Mar.	101.2	93.5	104.8	144.6	52.9	112.3	106.6	114.9	129.8
Apr.	101.9	100.0	105.6	137.7	55.4	112.8	106.3	113.3	129.6
May	102.7	105.9	107.2	141.4	56.1	113.1	108.7	113.2	128.9
Jun.	103.1	107.4	102.5	142.8	57.7	113.5	110.7	112.1	128.3
Jul.	103.6	107.5	101.5	142.0	59.3	113.8	111.7	111.0	129.7
Aug.	103.7	102.7	103.8	136.9	61.1	114.4	112.1	109.5	130.8
Sep.	103.7	105.2	100.9	138.3	58.9	115.0	112.0	112.5	132.0
Oct.	104.0	101.2	97.4	156.4	59.0	115.3	111.8	111.8	131.4
Nov.	104.2	95.5	98.8	153.4	59.8	115.4	111.1	107.9	132.3
Dec.	104.1	93.1	96.3	156.4	56.6	115.4	110.4	107.9	133.3

Table 41.-- Continued.

Month	Producer price index (Index 1982=100)					Consumer price index (Index 1982-84=100)			
	All comm.	Meat	Poultry	Fish	Petrl. products	All items	Meat	Poultry	Fish
1988									
Jan.	104.5	98.0	98.2	159.2	53.7	115.8	110.1	108.9	137.2
Feb.	104.6	97.6	93.8	158.2	52.9	116.0	110.2	108.4	137.0
Mar.	104.9	98.4	98.7	160.1	52.1	116.5	110.9	109.1	136.0
Apr.	105.8	98.6	100.6	159.1	54.4	117.1	110.8	110.2	139.3
May	106.5	101.8	107.4	159.8	56.5	117.5	111.7	114.0	136.1
Jun.	107.4	104.2	114.2	157.4	55.4	118.0	113.8	120.1	136.0
Jul.	107.8	101.5	124.6	152.0	55.1	118.5	113.4	129.0	138.1
Aug.	108.0	99.4	122.2	152.1	55.7	119.0	113.2	131.7	137.9
Sep.	108.1	101.4	123.1	154.0	52.9	119.8	113.4	133.4	136.0
Oct.	108.2	98.2	122.5	155.1	51.1	120.2	113.0	129.4	137.4
Nov.	108.3	97.6	118.2	161.0	53.5	120.3	113.0	127.2	138.7
Dec.	109.0	98.8	114.4	162.1	52.9	120.5	112.7	127.1	138.9
1989									
Jan.	110.3	102.6	115.7	161.3	54.3	121.1	114.0	128.8	144.0
Feb.	110.8	102.4	115.0	161.8	54.9	121.6	114.3	128.4	142.9
Mar.	111.5	103.7	123.9	161.4	57.1	122.3	115.5	130.3	144.3
Apr.	112.3	103.2	125.1	158.3	64.9	123.1	115.6	133.0	143.3
May	113.1	103.5	132.2	157.5	67.7	123.8	115.6	137.0	142.3
Jun.	113.0	103.4	130.6	139.1	65.6	124.1	116.1	140.1	142.9
Jul.	112.7	105.8	125.9	137.3	63.4	124.3	116.7	138.1	142.3
Aug.	112.0	106.1	120.0	139.9	58.9	124.6	117.5	136.2	145.2
Sep.	112.3	105.2	120.2	137.7	61.4	125.0	117.7	134.0	146.9
Oct.	112.7	104.8	113.7	146.7	63.0	125.6	118.1	131.2	143.9
Nov.	112.7	107.1	112.3	146.5	61.7	125.9	119.3	126.8	142.0
Dec.	113.0	108.4	110.2	143.2	62.0	126.1	120.0	127.8	143.0
1990									
Jan.	114.9	110.6	107.9	156.2	71.7	127.4	122.3	128.6	149.0
Feb.	114.4	111.1	111.2	156.4	64.4	128.0	123.5	130.5	150.6
Mar.	114.2	111.5	117.8	160.6	63.3	128.7	124.0	134.8	148.0
Apr.	114.0	114.4	114.4	162.0	65.2	128.9	125.2	132.1	147.2
May	114.5	120.1	119.2	175.9	65.4	129.2	126.6	132.3	143.8
Jun.	114.2	120.3	116.0	142.4	63.9	129.9	129.6	134.0	143.7
Jul.	114.3	119.6	120.6	142.0	62.2	130.4	130.3	135.3	143.3
Aug.	116.5	120.0	113.9	143.6	74.4	131.6	130.5	133.6	145.2
Sep.	118.3	116.7	116.9	144.2	86.6	132.7	131.0	134.6	147.4
Oct.	120.8	119.5	110.0	143.6	96.6	132.5	131.7	133.7	147.0
Nov.	120.1	119.6	108.6	157.7	96.4	133.8	133.1	130.5	147.0
Dec.	118.6	119.6	106.6	160.2	87.0	133.8	133.6	129.7	148.5

Source: Producer prices and price indexes, and Consumer price indexes, U.S. Dep. of Labor, Bur. of Labor Statistics.



Table 42.- -Annual foreign exchange rates for selected countries, 1976-90,  
in national currency units per U.S. dollar.

Year	Canada (dollar)	Denmark (kroner)	Japan (yen)	ROK (won)	New Zeal. (dollar)	Iceland (kronur)	Norway (kroner)	U.K. (pound)
1976	0.9860	6.0450	296.55	484.00	1.0036	1.822	5.4565	0.5536
1977	1.0635	6.0032	268.51	484.00	1.0301	1.989	5.3235	.5729
1978	1.1407	5.5146	210.44	484.00	.9636	2.711	5.2423	.5210
1979	1.1714	5.2610	219.14	484.00	.9776	3.526	5.0641	.4713
1980	1.1692	5.6359	226.74	607.43	1.0265	4.798	4.9392	.4299
1981	1.1989	7.1234	220.54	681.03	1.4194	7.224	5.7395	.4931
1982	1.2337	8.3324	249.08	731.08	1.3300	12.352	6.4540	.5713
1983	1.2324	9.1450	237.51	775.75	1.4952	24.843	7.2964	.6592
1984	1.2951	10.3566	237.52	805.98	1.7286	31.694	8.1615	.7483
1985	1.3655	10.5964	238.54	870.02	2.0064	41.508	8.5970	.7714
1986	1.3895	8.0910	168.52	881.45	1.9088	41.104	7.3947	.6971
1987	1.3260	6.8400	144.64	822.57	1.6886	38.677	6.7375	.6102
1988	1.2307	6.7320	128.15	731.47	1.5244	43.014	6.5170	.5614
1989	1.1840	7.3100	137.96	671.46	1.6708	57.042	6.9045	.6099
1990	1.1668	6.1890	144.79	707.76	1.6750	58.284	6.2597	.5603

ROK - Republic of Korea. U.K. - United Kingdom.

Source: Intl. Financial Statistics, Intl. Mon. Fund, Washington, D.C.

Table 43.- Monthly foreign exchange rates for selected countries, 1985-90, in national currency units per U.S. dollar.

Month	Canada (dollar)	Denmark (kroner)	Japan (yen)	ROK (won)	New Zeal. (dollar)	Iceland (kronur)	Norway (kroner)	U.K. (pound)
1985								
Jan.	1.324	11.32	254.2	830.3	2.123	40.86	9.17	0.886
Feb.	1.353	11.78	260.2	836.9	2.202	41.79	9.45	.913
Mar.	1.383	11.83	258.6	848.9	2.208	41.84	9.48	.895
Apr.	1.365	11.06	251.7	859.3	2.197	41.18	8.90	.805
May	1.376	11.18	251.4	868.9	2.213	41.76	8.96	.801
Jun.	1.367	11.00	249.0	872.9	2.182	41.62	8.82	.781
Jul.	1.352	10.48	241.8	874.3	2.020	41.14	8.45	.726
Aug.	1.357	10.10	237.2	882.9	1.871	41.06	8.23	.722
Sep.	1.370	10.30	236.9	891.6	1.875	41.81	8.34	.734
Oct.	1.366	9.59	214.7	892.2	1.749	41.47	7.91	.703
Nov.	1.376	9.38	203.7	891.0	1.745	41.63	7.80	.694
Dec.	1.395	9.13	202.8	890.9	1.894	41.94	7.65	.691
1986								
Jan.	1.407	8.95	200.1	890.5	1.941	42.37	7.55	.702
Feb.	1.403	8.61	184.6	886.4	1.875	41.77	7.29	.700
Mar.	1.401	8.35	178.9	884.4	1.897	41.27	7.12	.682
Apr.	1.388	8.39	175.6	885.6	1.798	41.44	7.15	.668
May	1.375	8.25	166.8	887.2	1.766	40.93	7.44	.657
Jun.	1.390	8.28	168.0	888.3	1.842	41.36	7.61	.664
Jul.	1.381	8.05	158.6	885.1	1.873	41.12	7.47	.663
Aug.	1.388	7.76	154.0	882.4	1.992	40.64	7.35	.673
Sep.	1.387	7.72	154.7	879.1	2.086	41.53	7.34	.679
Oct.	1.388	7.55	155.9	874.6	1.990	40.42	7.35	.700
Nov.	1.386	7.64	162.6	869.4	1.945	40.72	7.53	.702
Dec.	1.380	7.53	162.3	864.5	1.954	40.66	7.53	.696
1987								
Jan.	1.360	7.05	154.5	858.8	1.874	39.82	7.17	.664
Feb.	1.334	6.86	153.5	856.3	1.830	39.34	7.01	.655
Mar.	1.319	6.90	151.5	852.0	1.775	39.17	6.93	.628
Apr.	1.319	6.83	143.0	840.9	1.733	38.85	6.77	.613
May	1.341	6.72	140.5	828.2	1.733	38.55	6.65	.600
Jun.	1.339	6.86	144.5	814.3	1.703	38.90	6.71	.613
Jul.	1.326	7.01	150.2	808.1	1.676	39.17	6.75	.621
Aug.	1.326	7.12	147.6	808.1	1.702	39.28	6.79	.627
Sep.	1.315	6.98	143.0	806.4	1.583	38.86	6.64	.608
Oct.	1.310	6.93	143.5	804.5	1.559	38.68	6.63	.602
Nov.	1.316	6.49	135.2	798.5	1.620	37.12	6.42	.563
Dec.	1.307	6.30	128.6	794.7	1.547	36.40	6.38	.547

Table 43 .--Continued.

Month	Canada (dollar)	Denmark (kroner)	Japan (yen)	ROK (won)	New Zeal. (dollar)	Iceland (kronur)	Norway (kroner)	U.K. (pound)
<b>1988</b>								
Jan.	1.285	6.34	127.6	787.5	1.518	36.68	6.34	.555
Feb.	1.268	6.49	129.2	773.4	1.507	37.37	6.41	.569
Mar.	1.249	6.43	127.3	753.5	1.506	39.16	6.34	.546
Apr.	1.235	6.42	124.9	741.8	1.513	38.85	6.21	.533
May	1.237	6.49	124.8	735.7	1.452	41.57	6.18	.535
Jun.	1.217	6.67	127.1	729.5	1.427	44.49	6.38	.561
Jul.	1.207	7.01	133.1	725.8	1.495	46.05	6.71	.586
Aug.	1.224	7.22	133.6	722.8	1.538	46.66	6.89	.589
Sep.	1.226	7.17	134.4	720.3	1.625	46.76	6.91	.594
Oct.	1.205	7.02	129.0	709.4	1.610	47.15	6.75	.576
Nov.	1.217	6.75	123.2	693.0	1.559	45.75	6.57	.553
Dec.	1.196	6.78	123.6	685.0	1.567	45.69	6.51	.547
<b>1989</b>								
Jan.	1.191	7.08	127.2	682.4	1.598	49.29	6.66	.563
Feb.	1.189	7.20	127.8	677.0	1.623	50.85	6.72	.570
Mar.	1.195	7.27	130.4	673.0	1.623	52.57	6.79	.583
Apr.	1.189	7.28	132.1	667.4	1.633	52.75	6.79	.588
May	1.193	7.59	138.4	666.6	1.646	55.28	7.05	.613
Jun.	1.198	7.72	143.8	666.7	1.739	58.03	7.19	.644
Jul.	1.189	7.36	140.7	667.3	1.738	57.94	6.95	.616
Aug.	1.175	7.49	141.1	668.4	1.691	59.10	7.04	.626
Sep.	1.183	7.59	145.0	670.0	1.689	61.74	7.12	.637
Oct.	1.175	7.28	141.9	671.3	1.703	61.73	6.94	.630
Nov.	1.169	7.10	143.5	672.3	1.701	61.87	6.89	.636
Dec.	1.161	6.77	143.7	675.2	1.681	61.87	6.70	.627
<b>1990</b>								
Jan.	1.171	6.56	145.1	683.4	1.658	60.75	6.54	.606
Feb.	1.196	6.47	145.5	689.9	1.689	60.07	6.47	.590
Mar.	1.180	6.53	153.1	697.8	1.709	61.19	6.59	.615
Apr.	1.164	6.44	158.5	706.0	1.726	60.94	6.55	.611
May	1.175	6.34	153.5	709.3	1.743	59.92	6.44	.596
Jun.	1.173	6.41	153.8	715.3	1.717	60.12	6.47	.585
Jul.	1.157	6.24	149.3	715.9	1.690	58.58	6.30	.553
Aug.	1.144	6.01	147.4	715.5	1.631	56.74	6.08	.527
Sep.	1.158	6.00	139.0	715.0	1.609	56.61	6.07	.532
Oct.	1.160	5.82	129.7	715.0	1.632	55.16	5.92	.514
Nov.	1.163	5.70	129.1	715.0	1.636	54.37	5.80	.509
Dec.	1.160	5.72	133.6	715.8	1.674	54.95	5.86	.519

ROK - Republic of Korea. U.K. - United Kingdom.

Source: Intl. Financial Statistics, Intl. Mon. Fund, Washington, D.C.

Table 44.- -Monthly U.S. cold storage holdings of selected groundfish blocks, 1985-90, in 1,000 lbs (end of month).

Month	Cod	Flounder	Alaska pollock	Whiting	Minced fish	Total*
1985						
Jan.	16,857	1,770	7,868	1,575	1,642	40,029
Feb.	17,597	1,945	13,861	1,291	1,484	43,387
Mar.	15,962	2,158	14,693	775	1,605	44,664
Apr.	16,556	2,410	12,101	788	1,927	41,229
May	19,732	2,127	11,118	593	1,475	40,892
Jun.	21,703	2,439	8,711	2,162	2,275	44,772
Jul.	20,209	2,164	9,210	3,558	2,857	46,678
Aug.	19,232	2,921	7,492	2,607	3,855	43,953
Sep.	14,711	3,809	9,356	2,947	3,333	41,996
Oct.	12,491	3,712	6,980	2,879	2,456	36,862
Nov.	8,204	3,099	5,252	2,914	3,025	30,079
Dec.	9,440	2,609	5,259	4,869	2,226	32,617
1986						
Jan.	8,464	2,463	6,403	5,083	1,919	30,031
Feb.	10,005	1,907	4,044	4,851	2,275	30,717
Mar.	15,301	1,553	5,147	3,703	1,032	37,359
Apr.	21,830	1,741	4,653	2,617	3,679	39,425
May	25,610	1,553	3,880	2,800	5,091	44,312
Jun.	22,850	1,852	2,686	2,400	5,608	40,829
Jul.	25,799	2,069	2,392	3,952	7,770	48,441
Aug.	24,158	2,380	2,697	3,734	8,720	48,986
Sep.	19,700	2,431	3,037	2,829	8,739	45,486
Oct.	15,205	3,709	4,545	1,444	9,126	42,552
Nov.	12,570	3,063	3,074	1,451	10,877	40,163
Dec.	13,491	2,989	4,397	2,505	12,622	45,044
1987						
Jan.	9,811	2,640	3,506	2,061	12,933	40,197
Feb.	13,975	2,226	5,080	2,255	12,058	41,878
Mar.	13,754	2,093	6,633	1,211	10,496	42,505
Apr.	12,283	1,906	8,456	1,753	9,759	41,200
May	11,474	1,319	8,123	1,636	7,960	38,397
Jun.	12,472	1,533	8,505	3,407	8,952	44,780
Jul.	20,963	2,042	10,496	5,158	9,012	59,852
Aug.	23,694	2,318	10,125	6,152	8,449	68,219
Sep.	26,559	2,422	15,694	7,076	9,505	77,547
Oct.	22,800	3,117	15,319	6,278	8,188	74,154
Nov.	21,578	3,470	15,806	7,261	6,830	76,186
Dec.	24,135	3,404	11,936	6,708	7,546	71,798

Table 44.-- Continued.

Month	Cod	Flounder	Alaska pollock	Whiting	Minced fish	Total*
<b>1988</b>						
Jan.	23,645	3,265	10,370	6,212	7,998	68,272
Feb.	27,855	2,289	10,817	4,902	5,759	66,471
Mar.	29,770	1,889	9,606	3,972	5,566	63,901
Apr.	32,321	1,788	10,121	3,708	5,765	66,151
May	36,107	1,576	7,696	3,529	6,326	67,056
Jun.	33,108	1,968	9,191	3,673	5,883	64,585
Jul.	34,677	2,450	10,616	3,318	7,030	67,424
Aug.	35,064	2,923	14,370	3,704	8,083	74,663
Sep.	29,148	3,101	14,864	3,426	6,776	65,913
Oct.	26,179	3,140	15,311	2,930	6,608	64,711
Nov.	25,310	3,453	15,457	3,596	4,557	61,945
Dec.	22,335	3,942	18,175	3,149	4,109	60,179
<b>1989</b>						
Jan.	17,959	3,862	17,314	3,523	5,846	57,047
Feb.	15,642	3,141	17,760	3,857	5,041	52,805
Mar.	14,047	2,433	16,422	3,984	4,529	48,268
Apr.	14,819	2,139	14,781	2,637	5,171	46,674
May	19,127	2,016	14,778	2,883	5,305	52,257
Jun.	19,946	2,185	9,281	2,868	7,765	49,695
Jul.	24,509	3,543	9,129	2,467	9,895	57,487
Aug.	26,659	3,682	9,705	1,790	10,952	60,396
Sep.	22,907	4,141	10,095	1,776	11,510	57,138
Oct.	16,728	3,981	7,469	1,172	11,338	48,612
Nov.	14,348	4,042	6,337	2,180	11,169	46,330
Dec.	14,242	3,635	10,533	2,162	11,372	55,271
<b>1990</b>						
Jan.	9,167	2,031	10,605	4,284	9,965	48,900
Feb.	7,310	1,699	16,186	2,919	8,162	46,453
Mar.	4,885	1,426	11,566	2,492	6,438	37,232
Apr.	5,162	814	10,630	2,705	7,435	35,391
May	5,242	612	11,096	1,887	7,653	33,031
Jun.	7,252	731	11,261	1,560	6,784	34,042
Jul.	11,562	1,125	14,406	1,260	8,180	43,194
Aug.	11,028	1,355	12,970	1,417	8,322	42,661
Sep.	9,834	1,378	11,047	1,311	11,109	44,297
Oct.	8,625	1,179	11,839	893	8,024	38,708
Nov.	7,864	1,307	11,175	925	10,240	39,022
Dec.	9,994	1,622	11,321	2,295	10,028	43,503

\* - Total includes other species not listed.

Source: Natl. Mar. Fish. Serv., Fish. Stat. Div., 1335 East-West Highway, Silver Spring, MD 20910.

Table 45.--Monthly U.S. cold storage holdings of selected groundfish fillets, 1985-90, in 1,000 lbs (end of month).

Month	Cod	Flounder	Ocean perch	Pollock	Whiting	Total*
1985						
Jan.	31,020	5,591	9,432	8,142	1,511	62,360
Feb.	25,092	5,544	6,608	6,482	1,344	49,660
Mar.	25,336	5,951	6,270	5,540	1,667	48,980
Apr.	26,186	5,956	4,901	5,604	2,206	48,660
May	32,228	5,673	4,151	5,498	1,764	52,860
Jun.	30,393	5,644	4,029	5,368	2,357	52,870
Jul.	37,186	6,166	5,058	6,363	3,072	64,380
Aug.	33,910	6,290	5,492	6,351	3,478	61,830
Sep.	35,010	7,076	6,745	6,707	3,568	68,060
Oct.	31,257	7,825	7,180	7,206	4,278	66,150
Nov.	26,913	8,656	6,831	7,575	4,742	64,060
Dec.	24,232	10,897	7,322	8,673	5,278	66,180
1986						
Jan.	17,789	7,937	4,863	6,573	5,201	49,630
Feb.	17,394	7,263	2,777	5,455	3,468	42,690
Mar.	15,475	6,365	2,159	4,397	2,892	37,930
Apr.	17,561	6,015	2,230	3,681	3,177	38,770
May	21,588	5,726	2,975	3,769	1,551	42,020
Jun.	16,085	6,872	3,848	3,394	2,156	37,820
Jul.	16,975	7,543	4,943	3,106	2,004	40,470
Aug.	14,599	8,539	6,535	3,699	2,269	41,130
Sep.	10,865	10,357	7,057	3,470	1,866	39,990
Oct.	8,799	9,982	8,538	4,301	1,674	38,940
Nov.	7,382	10,172	9,107	4,672	2,079	38,480
Dec.	10,267	9,539	9,260	5,146	1,980	42,050
1987						
Jan.	9,779	7,701	7,997	4,527	1,964	36,810
Feb.	11,797	5,968	6,436	3,862	1,864	34,050
Mar.	14,357	4,773	5,501	4,125	1,461	34,910
Apr.	18,215	4,288	4,899	5,071	3,038	41,050
May	20,407	4,403	5,881	5,724	2,208	44,460
Jun.	23,307	5,222	6,908	5,976	2,432	50,140
Jul.	24,901	6,783	7,685	6,601	3,260	56,400
Aug.	24,660	7,171	8,984	9,638	2,842	61,520
Sep.	24,300	8,142	8,201	12,271	4,227	65,210
Oct.	25,839	8,646	9,780	14,006	4,275	71,150
Nov.	27,702	9,172	10,649	16,334	4,761	77,114
Dec.	27,233	8,878	10,910	20,902	4,031	81,899

Table 45.--Continued.

Month	Cod	Flounder	Ocean perch	Pollock	Whiting	Total*
<b>1988</b>						
Jan.	25,667	7,636	10,067	23,731	4,286	79,361
Feb.	29,007	5,975	8,478	24,574	2,819	77,426
Mar.	31,803	5,212	7,417	21,899	2,424	75,292
Apr.	32,862	5,221	6,667	23,019	2,239	76,727
May	34,351	5,128	6,107	21,284	1,888	75,554
Jun.	34,706	6,938	6,812	20,150	1,896	75,903
Jul.	31,497	6,931	6,388	19,676	1,960	71,160
Aug.	30,836	8,620	6,644	21,657	2,297	75,215
Sep.	28,210	8,919	7,615	18,915	3,311	72,485
Oct.	24,466	9,297	8,013	21,749	3,674	73,451
Nov.	20,299	9,730	7,712	17,830	4,405	65,533
Dec.	20,582	9,792	7,626	20,709	4,227	68,605
<b>1989</b>						
Jan.	19,950	8,637	5,487	20,276	3,679	62,560
Feb.	15,276	7,682	3,447	20,724	3,203	53,641
Mar.	17,122	7,049	3,002	19,714	2,740	52,344
Apr.	21,860	7,143	2,555	18,762	1,946	54,378
May	28,251	7,238	2,466	20,183	1,701	64,861
Jun.	36,347	8,234	3,132	21,853	2,018	78,287
Jul.	38,870	9,197	4,430	22,647	2,524	83,835
Aug.	41,380	10,850	4,949	25,256	2,600	92,531
Sep.	41,105	12,031	5,039	25,649	2,720	93,674
Oct.	34,837	12,990	5,612	28,042	2,448	91,957
Nov.	35,239	13,545	7,155	29,349	2,550	96,098
Dec.	35,244	14,838	7,617	30,772	3,270	101,055
<b>1990</b>						
Jan.	33,101	13,582	8,449	27,198	3,695	94,342
Feb.	28,394	12,042	7,868	22,678	2,744	79,704
Mar.	24,725	11,204	6,669	16,418	2,539	66,775
Apr.	25,345	10,333	6,042	14,488	1,865	62,490
May	22,831	10,290	6,455	12,630	2,222	58,366
Jun.	20,342	9,959	6,953	11,293	2,421	54,392
Jul.	17,617	9,256	6,265	11,831	1,759	49,668
Aug.	13,493	9,368	5,225	14,604	2,833	48,396
Sep.	10,718	10,147	4,464	18,385	3,501	50,746
Oct.	8,873	9,122	4,207	18,787	3,296	46,831
Nov.	8,673	10,701	4,807	16,205	3,607	46,476
Dec.	10,229	10,780	5,029	13,262	4,525	46,059

\* - Total includes other species not listed.

Source: Natl. Mar. Fish. Serv., Fish. Stat. Div., 1335 East-West Highway, Silver Spring, MD 20910.

Table 46.- -Monthly West Coast cold storage holdings of selected groundfish products, 1985-90, in 1,000 lbs (end of month).

Month	Alaska pollock blocks	Fillets		Sablefish	Surimi	Analog products
		Cod	Pollock			
1985						
Jan.	0	1,173	2,964	158	--	--
Feb.	71	944	2,505	76	--	--
Mar.	108	2,419	2,228	84	--	--
Apr.	67	1,782	1,952	370	--	--
May	63	3,053	2,617	573	--	--
Jun.	63	2,768	1,532	672	--	--
Jul.	308	2,191	1,581	1,046	--	--
Aug.	46	2,726	1,356	1,864	--	--
Sep.	73	2,641	1,390	1,791	--	--
Oct.	355	2,308	2,689	1,644	--	--
Nov.	71	1,598	3,089	1,005	--	--
Dec.	49	1,614	3,872	817	--	--
1986						
Jan.	50	923	2,921	709	737	1,423
Feb.	37	871	2,020	507	766	1,311
Mar.	47	1,180	1,377	238	884	1,440
Apr.	47	1,066	1,806	1,021	783	1,469
May	18	2,957	791	607	780	2,473
Jun.	18	2,113	657	1,150	1,488	1,933
Jul.	0	1,256	766	768	2,376	1,924
Aug.	14	733	796	608	3,148	1,400
Sep.	0	624	818	1,823	3,142	1,182
Oct.	12	862	834	1,000	2,615	1,263
Nov.	345	651	1,251	520	4,253	2,652
Dec.	357	727	1,776	392	4,985	3,559
1987						
Jan.	31	719	1,351	268	5,341	3,261
Feb.	52	675	1,165	478	5,986	3,131
Mar.	52	1,857	1,387	199	4,626	3,424
Apr.	354	3,482	2,179	1,082	4,128	3,568
May	293	3,459	2,300	2,834	3,066	3,113
Jun.	58	4,599	2,490	3,664	1,746	3,461
Jul.	75	3,277	2,289	2,623	1,568	3,215
Aug.	251	3,028	4,685	1,132	3,205	2,508
Sep.	49	3,280	7,431	4,500	4,801	3,705
Oct.	41	4,196	8,206	1,037	6,956	4,583
Nov.	43	3,903	10,578	1,300	5,482	4,318
Dec.	87	3,598	14,712	552	3,871	5,136



Table 46 .--Continued.

Month	Alaska pollock blocks	Fillets		Sablefish	Surimi	Analog products
		Cod	Pollock			
<b>1988</b>						
Jan.	826	3,552	15,107	443	4,016	6,285
Feb.	1,277	4,037	15,116	272	3,730	6,795
Mar.	955	4,060	13,808	273	3,902	8,024
Apr.	664	4,992	14,337	856	4,384	8,702
May	592	4,852	14,182	1,358	4,667	6,934
Jun.	765	4,911	12,193	2,684	3,762	4,319
Jul.	973	5,046	12,338	3,569	3,233	4,339
Aug.	980	4,955	15,159	4,020	3,934	3,328
Sep.	798	4,236	13,187	3,825	3,899	4,624
Oct.	1,757	4,675	13,501	2,594	5,935	5,799
Nov.	4,419	3,410	14,002	2,231	8,328	7,220
Dec.	4,408	3,629	14,779	2,287	10,275	7,601
<b>1989</b>						
Jan.	5,902	3,280	17,065	2,146	11,013	7,931
Feb.	6,754	3,282	17,387	1,807	10,892	10,291
Mar.	7,036	4,443	16,895	795	14,916	11,682
Apr.	6,746	5,292	16,495	2,433	14,686	11,258
May	6,679	6,763	17,927	1,730	16,432	9,960
Jun.	2,616	9,109	19,333	2,577	16,266	8,214
Jul.	2,531	9,819	19,994	3,108	16,553	7,900
Aug.	1,607	10,591	22,551	2,037	16,488	9,037
Sep.	2,653	11,264	23,193	2,761	16,230	7,739
Oct.	145	7,915	25,128	1,169	17,472	7,936
Nov.	187	8,036	24,514	1,038	15,875	7,494
Dec.	203	6,813	24,537	803	16,253	7,850
<b>1990</b>						
Jan.	30	6,908	21,244	362	16,501	8,600
Feb.	424	6,180	17,862	312	17,464	9,352
Mar.	12	6,677	11,904	307	18,355	11,835
Apr.	13	7,382	10,609	1,380	22,691	11,955
May	28	7,664	8,672	1,841	20,216	12,580
Jun.	111	6,912	8,294	785	28,694	6,183
Jul.	924	6,172	8,654	352	27,318	6,082
Aug.	1,334	3,616	11,444	274	27,677	3,523
Sep.	1,003	2,670	13,546	586	26,183	3,917
Oct.	1,056	1,983	15,286	321	26,784	4,282
Nov.	195	1,485	12,476	251	22,967	5,207
Dec.	316	1,441	9,361	186	19,219	3,662

Notes: Includes domestic and foreign products.

Source: Natl. Mar. Fish. Serv., Fish. Stat. Div., 1335 East-West Highway, Silver Spring, MD 20910.