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Economic Status of the Groundfish Fisheries Off Alaska, 1992

by

Richard K. Kinoshita, Angie Greig, James D. Hastie,
and Joseph M. Terry

Resource Ecology and Fisheries Management Division
Alaska Fisheries Science Center
7600 Sand Point Way N.E., BIN C-15700
Seattle, WA 98115-0070

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Ronald H. Brown, Secretary
National Oceanic and Atmospheric Administration
Diana Josephson, Deputy Under Secretary

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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 fisheries harvested 100% 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 at 1.39 million metric tons. Joint venture catch was curtailed dramatically in 1989 and was ended in 1990. The wholly domestic groundfish catch in 1992 totaled 2.04 million metric tons, a tenfold increase from 1986 and up 20% from 1991.

This report presents the groundfish catch and ex-vessel value by area, species, gear, residency, and mode of operation. 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 prices and exports, U.S. groundfish imports, prices of competing products, consumption, foreign exchange rates, and holdings are reviewed. With the exception of the exports, Pacific halibut (Hippoglossus stenolepis) is not included in this report because for management purposes halibut is not part of the groundfish complex.

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INTRODUCTION

The groundfish fishery off Alaska has become an important segment of the total U.S. fishing industry accounting for 46% of the weight and 18.5% of the ex-vessel value of the 1992 catch off U.S. shores. The ex-vessel value of the groundfish catch off Alaska was \$675 million in 1992 and its value after primary processing was \$1.4 billion. It continues to be a major factor in terms of generating income, exports, and employment opportunities. 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 processed products, wholesale prices, exports, and cold storage holdings. External factors that, in part, determine the economic status of the fisheries are also included. These include foreign exchange-rates, the prices and price indexes of products that compete with products from these fisheries, and fishery imports. This report updates last year's document. (Kinoshita et al. 1993) 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. With the exception of the export data, Pacific halibut (*Hippoglossus stenolepis*) fishery data are not included in this report because for management purposes halibut is not part of the groundfish complex.

The 1992 data from the Pacific Coast Fisheries Information Network (PacFIN) were extracted on 15 July 1993. Data for 1991 were revised in the PacFIN data base on 6 August 1993 and therefore supersedes 1991 data presented in last year's report. Data from the Alaska Department of Fish and Game (ADF&G) fish tickets were updated on 25 June 1993. The description of the economic status is not complete as information on fishing effort (except the number of vessels), employment, and harvesting and processing costs are not included. Efforts to collect other data from the industry and to use more

fully the data that are collected continue in order to improve the evaluation the fisheries.

A brief overview of the economic status of the fisheries is followed by a more complete description of the status of the domestic, fisheries in terms of the types of information listed above. 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.

OVERVIEW

The total catch in the commercial groundfish fisheries off Alaska has, trended upward from the early 1980s through 1988 with a peak catch of 2.1 million metric tons (t) (Fig. 1 and Table 1). In subsequent years, the catch has reflected changes in the total allowable catch (TAC), area closures, and bycatch restrictions. The 1992 catch totaled 2.04 million t, up 20% from 1991. Note that the PacFIN catch estimates include discards for the foreign and joint venture fisheries but not for the domestic fisheries, and the total catch in this section includes the foreign and joint venture catches in earlier years.

The end of the foreign fishery in 1987 and the joint venture fishery in 1990 resulted from the emergence of the domestic harvesting and processing sector. The domestic fishery harvested 100% of the catch in 1991-92 (Table 2).

Walleye (Alaska) pollock (Theragra chalcogramma) has been the dominant species in the commercial groundfish catch. The pollock catch in 1992 totaled

1.4 million t and accounted for 69% of the total groundfish catch of 2.04 million t (Fig. 2 and Table 3). The next major species, Pacific cod (Gadus macrocephalus), had a catch of 250,700 t in 1992, comprising 12.3% of the 1992 catch. The Pacific cod catch was up 8.8% from 1991. The catch of flatfish, which are dominated by yellowfin sole (Pleuronectes asper), rock sole (Pleuronectes bilineatus), and arrowtooth flounder (Atheresthes stomias) amounted to 235,200 t, up 79% from 1991. Increases in the 1992 TAC for rockfish (Sebastes and Sebastolobus spp.), and Atka mackerel (Pleurogrammus monopterygius) allowed catches to increase by 79% and 133%, respectively from 1991. At the same time, the catch of sablefish (Anoplopoma fimbria) was down 14% due to the reduction of the TAC.

The estimated ex-vessel value of the commercial groundfish catch off Alaska, including the value of foreign and joint venture fisheries but excluding the value added by-at--sea processing, increased from \$188 million in 1983 to \$675 million in 1992 (Table 4). The 1992 ex-vessel value increased by 41% from the 1991 value of \$478 million as average ex-vessel prices advanced by 17%. The fishery became a wholly domestic fishery in 1991 when foreign and joint venture fishing, respectively, ended in 1987 and 1990. The groundfish fisheries accounted for the largest share (41.4%) of the ex-vessel value of all commercial fisheries off Alaska in 1992, while the salmon (Oncorhynchus spp.) fishery was second with \$544.5 million or 33.4% (Table 5). The third major category, aggregated to include all shellfish, amounted to \$335 million or 20.6% of the total Alaska catch. This category was dominated by king (Lithodes and Paralithodes spp.), snow or tanner (Chionoecetes sp.), and Dungeness (Cancer magister) crabs with the catch valued at \$79, \$224, and \$5.4 million, respectively.

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 groundfish exports, including halibut, increased from \$126 million in 1986 to \$1.1 billion in 1992 (Fig. 3 and Table 6). Exports of groundfish in 1992 accounted for 43.3% of all edible fishery products from the Pacific Northwest and Alaska, followed by salmon exports with 34.7% (\$891 million), and crab exports with 16.8% (\$433 million).

The rapid expansion of the domestic fishery that began in 1987 continued through 1990 as it replaced the joint venture fishery. Since 1990, the increase of large catcher-processors or motherships has moderated, and several shore-based plants were added. Market conditions changed rapidly in 1991-92 as wholesale prices of major groundfish products increased to record levels in 1991, before dropping in late 1991 and in 1992.

Exchange rates and world supplies of groundfish products play a major role in international trade. Exchange rates change rapidly and can significantly affect the economic status of the groundfish fisheries. There is also considerable uncertainty concerning the future conditions of stocks and the resulting quotas. The management action taken to allocate the catch between various user groups can significantly affect the economic health of either the domestic fishery as a whole or segments of the industry. Continued concerns with respect to bycatch of crab, halibut, salmon, and herring, and to physical and biological effects of the groundfish fisheries on marine mammals may result in additional management actions that will decrease groundfish catches or increase operating costs.

DOMESTIC FISHERY

Trawl, longline and other hook and line, pot, and other gear are used in the domestic groundfish fishery. Annual catch for virtually every gear group, area, and species increased dramatically from 1982 to 1990 (Table 7). In the last 4 years, the catch by trawls has averaged 93.6% of the total catch, while the catch by longline and other hook and line gear accounted for 5.6%. 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 in 1992, 48% was taken by trawls, 42% by hook and line gear, and 10% by pots.

Catch for at-sea processing has been the largest and fastest growing component of catch. It increased from 106,200 t in 1986 to 1,433,400 t in 1992 and was up 16% from 1991 (Fig. 4 and Table 8). The catch for shore-based processing increased from 61,500 t in 1986 to 604,000 t in 1992 and rose by nearly 32% from 1991. The relative catch of these two types of operations varies by area and by species. In the Bering Sea and Aleutian Islands region, catch for at-sea processing exceeds that taken for shore-based processing for each species. In the Gulf, except for rockfish and flatfish, the catch for shore-based processing was greater than the catch for at-sea processing.

Catch by residency of vessel owners is presented in Table 9. These data were extracted from the NMFS groundfish fish ticket data bases and from the State of Alaska vessel registration file. The latter includes the stated residency of each vessel owner. 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 vessels that indicated that the vessel owners were not residents of Alaska. In 1992 the

catch by Alaskan vessels and other U.S. vessels were 272,200 t (13.4%) and 1,759,200 t (86.4%), respectively. The catches of the two residence groups are much closer to being equal in the Gulf of Alaska. Alaskan vessels in 1992 accounted for 43.7% of the groundfish catch in the Gulf of Alaska compared to only 9% in the Bering Sea and Aleutian Islands region.

The ex-vessel value of the domestic (DAP) catch, excluding the value added by at-sea processing, increased from \$478 million in 1991 to \$675 million in 1992 (Fig. 5 and Table 10). The ex-vessel value increased by 41% compared to the 20% increase in catch. Pollock was the dominant species with 57.6% of the total ex-vessel value, while accounting for 68.8% of the quantity. Sablefish accounted for 7.9% of the value-compared to only 1.2% of the catch, while Pacific cod represented about 18.9% of the value and 12.3% of the catch.

The 1992 ex-vessel value of the catch for at-sea processing and shore-based processing were \$453 million and \$222 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 have received a product mix with a larger proportion of higher priced species, including sablefish.

The percentage of catch taken by Alaskan vessels is also greater when measured in terms of ex-vessel value rather than in terms of weight. The estimated ex-vessel values of the 1992 catch of Alaskan vessels, other U.S. vessels; and vessels of unknown residence were \$114 million (17.4%), \$538.8 million (82.2%), and \$2.8 million (0.4%), respectively (Table 12).

The 51% increase in the ex-vessel value in the last 2 years came about as the overall weighted average ex-vessel price, excluding the value added by

at-sea processing, increased by 33.9% from 1990 (Table 13). Average ex-vessel prices in 1992 were up 17% from \$0.128 per pound (lb) in 1991 to \$0.15 per lb, round weight. The average price of pollock increased by 43% from \$0.088 per lb in 1991 to \$0.126 in 1992. Average ex-vessel prices of flatfish dropped by 21% from 1991, while sablefish prices increased by 20%. Average prices of other species in 1992 were about the same as in 1991, but they were up by 17% to 46% from 1990.

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

The source of the catch data in preceding sections has been the PacFIN data base. However, the PacFIN data may underestimate the catch for, several reasons compared to the catch reported by the observer data. A revised estimate or "blend" estimate using the Weekly Processor Report data or observer data for each processor, based on specific guidelines, was developed for 1991 and 1992. Table 20 gives the blend estimate of the retained and discarded catch by area and species, and Tables 21 and 22 breaks down the catch by area and target fishery.

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 1,576 in 1989, and then increased to 2,341 in 1992 (Table 23). During this period, the number of trawl vessels did increase annually from 80 in 1986 to 296 in 1992. The greatest impact has been the increase of the largest vessel classes (Fig. 6). The number of trawlers greater than 185 feet in length increased from 3 in 1986 to 30 in 1989, and 50 in 1991 (Table 24). However, this group fell to 46

in 1992. From 1986 to 1992, the number of vessels using hook and line gear increased from 1,356 to 1,948, while vessels using pot gear jumped from 24 in 1986 to 285 in 1992.

The numbers of vessels harvesting groundfish for at-sea and shore-based processing are presented by area and species in Table 25 and by area and residency in Table 26. The seasonality of vessel deployment is depicted in Table 27 which gives the number of vessels that harvested groundfish by month, area, and gear. Table 28 gives the number of catcher-processors and motherships by month, area, and gear.

Data on production of groundfish products by species are shown in Tables 29 to 31. The total value in 1992 declined by 7.6% to \$1.4 billion, down from \$1.52 billion in 1991. The decline was the result of either reduced production or -lower prices of several major products. The increase in the value of pollock surimi, headed and gutted (H & G) rockfish, and Atka mackerel products could not offset the declines in other pollock, Pacific cod, flatfish, and sablefish products. Production of pollock surimi in 1992 increased by 16.4% to 162,786 t, and increased 18.9% in value to \$537.8 million.

MARKETS

Annual and monthly wholesale prices, F.O.B. East Coast, for selected groundfish products are reported in Tables 32 and 33, respectively., Prices of cod fillets and blocks hit new highs in the first quarter of 1991, declined in the second and third quarters before increasing slightly in the fourth quarter of 1991. Cod prices leveled off in the first half of 1992, but increased slightly in the third quarter. Annual average prices of cod fillets and blocks in 1992 were down 4.8% and 6.1%, respectively, from 1991. Wholesale

prices of pollock blocks peaked in the second quarter of 1991, and have declined gradually from mid-1991 to mid-1992. After hitting record highs, in April-May 1991, prices fell by more than 50% by mid-1992. Pollock block prices have increased slightly in the second half of 1992. For 1992, annual average price of pollock blocks dropped by 41% to \$0.81 per lb from the previous year.

Wholesale prices of cod and pollock products in Seattle also followed similar trends, after reaching record highs in the first half of 1991. Prices retreated in the second half of 1991 and the first half of 1992 before rising slightly in the second half of 1992 (Fig. 7 and Table 34). The Japanese landed and wholesale prices in Tables 35 and 36 also indicate lower prices for many products in 1992. Japanese average market price of cod and pollock in 1992 dropped by 15.8% and 21.5%, respectively, from 1991. Tokyo wholesale prices of sablefish in 1992 were down by nearly 10% (Table 37).

A major concern of the U.S. groundfish industry in 1992 was the decline in Japanese price of surimi, down about 7.4% in 1992 from the previous year. However, by the fourth quarter of 1992, surimi prices were off by 42% from late 1991. Production of pollock products was shifted back into surimi production because of higher surimi prices, and lower fillet and block prices in early 1992.

Exports of edible groundfish products from Washington and Alaska customs districts in 1992 were 2.4% higher by quantity from 1991 and increased by 2.9% in value. The increase in groundfish exports has resulted primarily from higher surimi and pollock roe prices that help offset lower cod and flatfish prices. Groundfish exports in 1992 were made up of \$92 million of cod, \$74 million of sablefish, \$225 million of other whole or dressed fish, \$21 million of fillets, \$5 million of dried or salted fish, \$199 million of

roe, and \$476 million of other fishery products (Tables 38 and 39). The value of other fishery products of \$476 million was dominated by \$360 million of surimi. Surimi was added to the U.S. schedule of exports in 1992.

Previously, it was reported under five or six different product codes.

Japan continued to dominate the U.S. groundfish export market with the top four countries purchasing 96% of the total. Japan imported \$894 million of Northwest and Alaska edible groundfish products or 80% of the total value of \$1.1 billion. The Republic of Korea was a distant second with purchases of \$122 million or 11% of the total. Canada was the third largest importer with \$33.7 million, followed by Portugal with \$17.3 million (Kinoshita and Terry 1993). 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. Purchases of cod and pollock products by the Federal Republic of Germany and Norway were drastically down from 1991 as higher catches of cod by Norway and Russia increased supplies of cod to the European market (FAO/Globefish 1992).

The economic status of these fisheries is also influenced by U.S. imports of competing fishery products. The import data in Table 40 provide information on both the potential level of import substitution that might be possible and the prices with which domestic products compete. Imports of groundfish fillets and blocks in 1992 totaled 450 million lb and were valued at \$741 million. Imports of groundfish fillets and blocks were down 44.6% by quantity and 42.9% by value from their peak in 1987.

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 a record 16.2 lb in 1987 (NMFS 1993). Since 1987, per capita consumption has declined, and stood at 14.8 lb in 1992. Per capita

consumption of fresh and frozen fish increased from 7.9 lb in 1980 to 9.9 lb in 1992. There was a 0.2 lb increase in the 1992 total per capita consumption, of fresh and frozen fish and shellfish, however consumption of canned fish dropped by 0.3 pounds (Table 41). Not all seafood products have exhibited an increase in per capita consumption. While per capita consumption of fillets and steaks increased by 20.8% between 1980 and 1992, consumption of fish sticks and portions decreased by 47.2% (Table 42). Since 1987, per capita consumption of fillets and steaks has declined 18.9% to 2.84 lb, while stick and portion consumption has dropped 40.5% to 1.03 lb in 1992.

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 43 and 44. In 1992, the producer price index (PPI) increased by just 0.5% from 1991, while the consumer price index (CPI) rose 3.0%. The increase in the CPI was lower than the annual average increase of 4.7% in the 1980s. The consumer price index for meat fell by 1.9% in 1992, for poultry it was unchanged, and for fish it gained 2.4% from 1991.

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 1992, the value of the U.S. dollar was weaker compared to the Japanese yen but gained against the Canadian dollar from the previous year (Table 45 and 46). The annual value of the U.S. dollar relative to the Japanese yen fell 6%, thereby making U.S. exports less expensive in Japan. The U.S. dollar in 1992 was up 6.4% relative to the Republic of Korea's won, and 5.5% relative to the Canadian dollar from 1991.

The levels of fishery product inventories provide another measure of the condition of groundfish markets. U.S. holdings of selected groundfish blocks and fillets are reported in Tables 47 and 48. U.S. cold storage holdings of groundfish blocks and fillets on 31 December 1992 were down 6.4% from a year earlier and down 7.8% from the 1986-90 average 31 December holdings (Fig. 8). Holdings of blocks and fillets in 1992 followed more closely seasonal movements than in 1991 when holdings were substantially below the 1986-90 average.

While U.S. holding 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 49). Holdings of pollock fillets, cod fillets, surimi, and analog products on the West Coast have grown with increases in production over the last 5 years. Holdings of pollock fillets on 31 December 1992 were up 30% from a year earlier, cod fillets were 38% higher, surimi holdings were 74% above a year earlier, and analog products were 133% higher.

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APPENDIX

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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. Among the exceptions are the estimates of the ex-vessel values of the joint venture and foreign fisheries. They were provided by the National Marine Fisheries Service (NMFS), Alaska Regional Office. 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, NMFS Alaska Regional Office's Weekly Processor Reporting Program, and vessel registration data using PacFIN prices. The blend estimates of catch, which are discussed below and used only in Tables 20, 21 and 22, were provided by the Alaska Regional Office.

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 for at-sea processing and for shore-based processing, respectively, are provided to PacFIN by the NMFS Alaska Regional Office's Weekly Processor Reporting Program and ADF&G Fish Ticket Program.

The ex-vessel price data reported in PacFIN are from the ADF&G fish ticket data base. Typically price data are provided for catch taken for shore-based processing, but not for catch taken for at-sea processing. The limited price data in the, fish ticket data base 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 and do not include 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, onaverage, 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 for at-sea processors from the Alaska Regional Office's Weekly Processor Reporting Program plus all additional catch from the ADF&G 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 ADF&G fish ticket and the Weekly Processor Report data bases

maintained at the Alaska Regional Office were used to obtain catch by vessel for catcher boats, catcher-processors, and motherships. The catch that is delivered to motherships is considered catch of a mothership because these data are not available by catcher boat. The estimates of catch by vessel are combined with owner residence data from the vessel registration file maintained by the Alaska Commercial Fisheries Entry Commission and with PacFIN ex-vessel prices data to generate catch and value by residency: The vessel registration file indicates which vessel owners have declared themselves to be residents of Alaska. This is the method most often used to distinguish between catch by Alaska vessels and other vessels. The category of unknown residency occurs when the vessel registration file does not indicate residency.

The PacFIN data base is the source of the catch data reported for the foreign, joint venture, and domestic fisheries for all years. However, blend estimates of retained and discarded catch are reported separately for the 1991 and 1992 domestic fisheries. The blend estimates of catch use Weekly Processor Report (WPR) data or observer data for each processor and week based on the following rules. If the observer estimate of total catch of all species with a Total Allowable Catch (TAC) is at least 10% greater than the WPR estimate or if the observer estimate is between 80% and 90% of the WPR estimate, only observer data are used for that processor that week. Otherwise, only WPR data are used for that processor that week.

There are two reasons blend estimates of catch also are reported. First, beginning in 1993, blend estimates will be used to monitor the attainment of TACs and Prohibited Species Catch (PSC) allowances. Second, for a fishery as a whole, the blend estimates are thought to be more accurate than either the observer or WPR estimates alone. The reasons that WPR estimates are no longer used alone to estimate catch include the following: (1) for at-sea processors, the WPR estimates are always dependent on product recovery rates and in many cases the recovery rates being used may produce large errors in the estimates of retained catch; (2) products discarded or turned into meal, after first being processed and rejected for quality reasons, are often not accounted for correctly in estimating catch; (3) often discards are under estimated and/or under reported; and (4) inaccurate reporting of product weight can occur.

For most species and areas, there are substantial differences among the blend, WPR, and PacFIN estimates of total annual catch. Typically, the blend estimates are substantially greater than the WPR estimates. The PacFIN estimates, which do not include discards, would be expected to be substantially less than the WPR estimates, which do include discards. However, because the PacFIN estimates are based on WPR and fish tickets, respectively, for catch for at-sea processing and for catch for shore-based processing, that expectation is not always met. For example, the 1991 PacFIN, WPR, and blend estimates of the catch of Pacific cod for the Bering Sea and Aleutians Islands are 175,800 t, 172,158 t and 218,064 t, respectively. The corresponding estimates for 1992 are 175,400 t, 172,863 t and 205,326 t. The blend estimates exceed the WPR estimate by 27% in 1991 and by 19% in 1992. However the PacFIN estimates exceed the WPR estimates by 2.1% in 1991 and by 1.5% in 1992.

The differences between the blend and WPR estimates and the availability of blend estimates of domestic fishery catch only for 1991 and 1992 would result in an inconsistent data series which tends to understate catch in the late 1980s and 1990 compared to catch in 1991 and 1992 if PacFIN estimates of domestic catch are used prior to 1991 and if blend estimates are used for 1991 and 1992. However, because blend estimates, which include discards, were used for the foreign and joint venture fisheries, the estimates through the mid-1980s may be consistent with the estimates for 1991 and 1992.

With the exception of Table 28, all the reports on the number of vessels are based on fish ticket data and WPR data, respectively, for catcher vessels and catcher-processor vessels. 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 either vessels that only processed fish or vessels that only delivered fish to motherships. The information in Table 28 is based on data from the WPR and does include the numbers of catcher-processors and motherships reporting catch to that program. The coverage of that program increased annually from 1986 when it was initiated, through 1990. The increased coverage is the result of annual changes in reporting requirements.

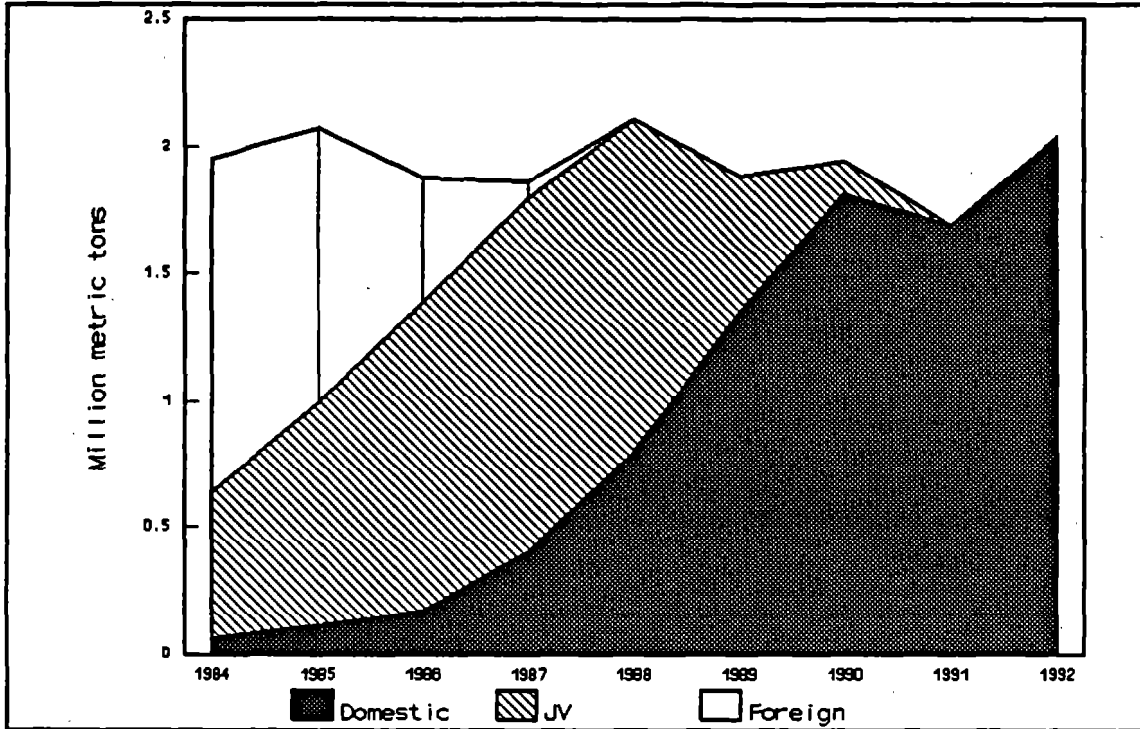


Figure 1. --Groundfish catch in the commercial fisheries off Alaska by fishery, 1983-92.

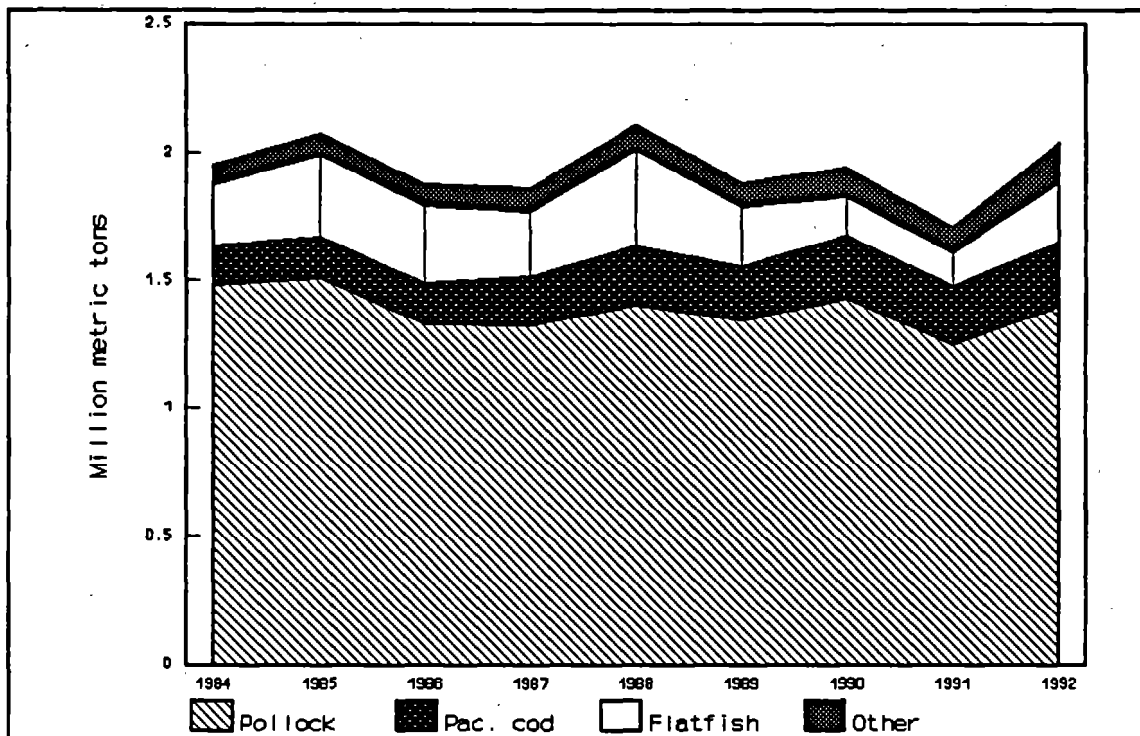


Figure 2. --Groundfish catch in the commercial fisheries off Alaska by species, 1983-92.

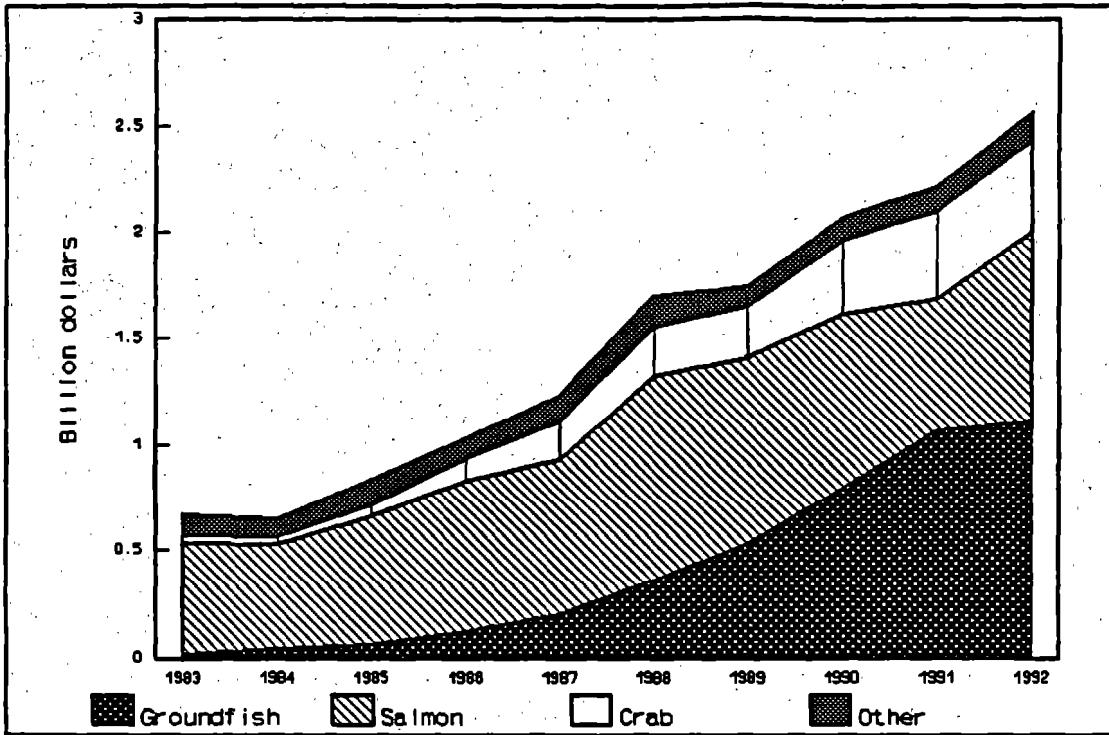


Figure 3.--Pacific Northwest and Alaska exports of edible fishery products by major product groups 1983-92.

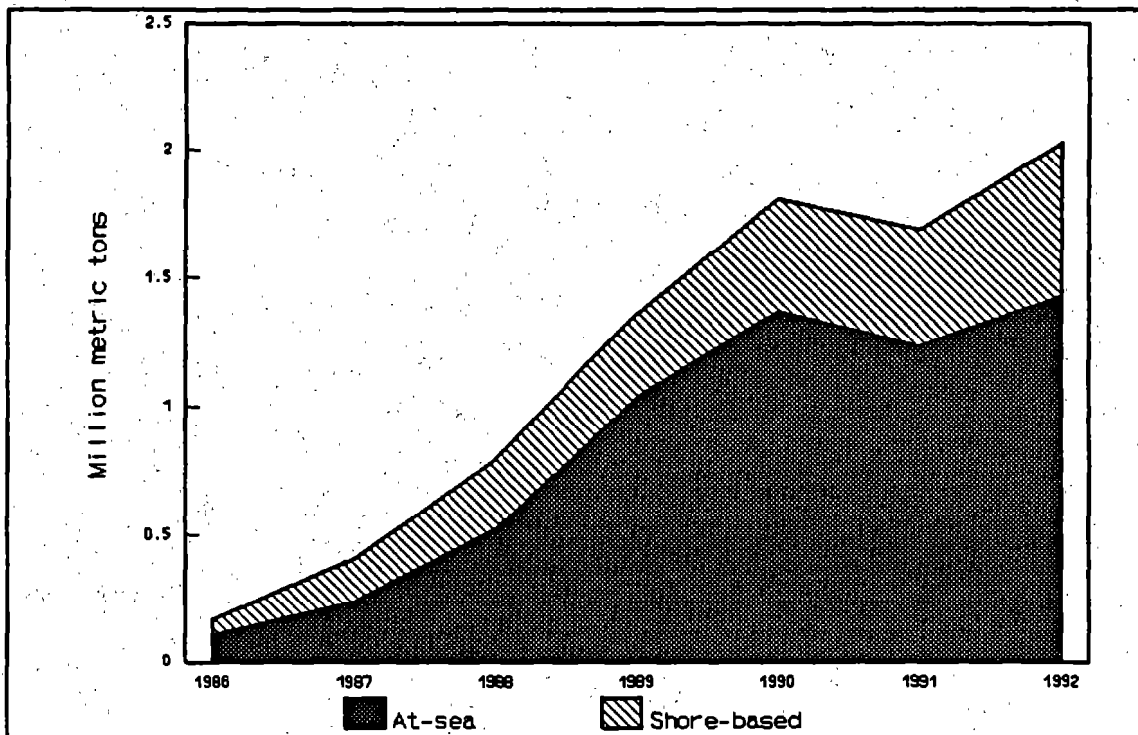


Figure 4.--Groundfish catch in the domestic fishery off Alaska by mode of operation, 1986-92.

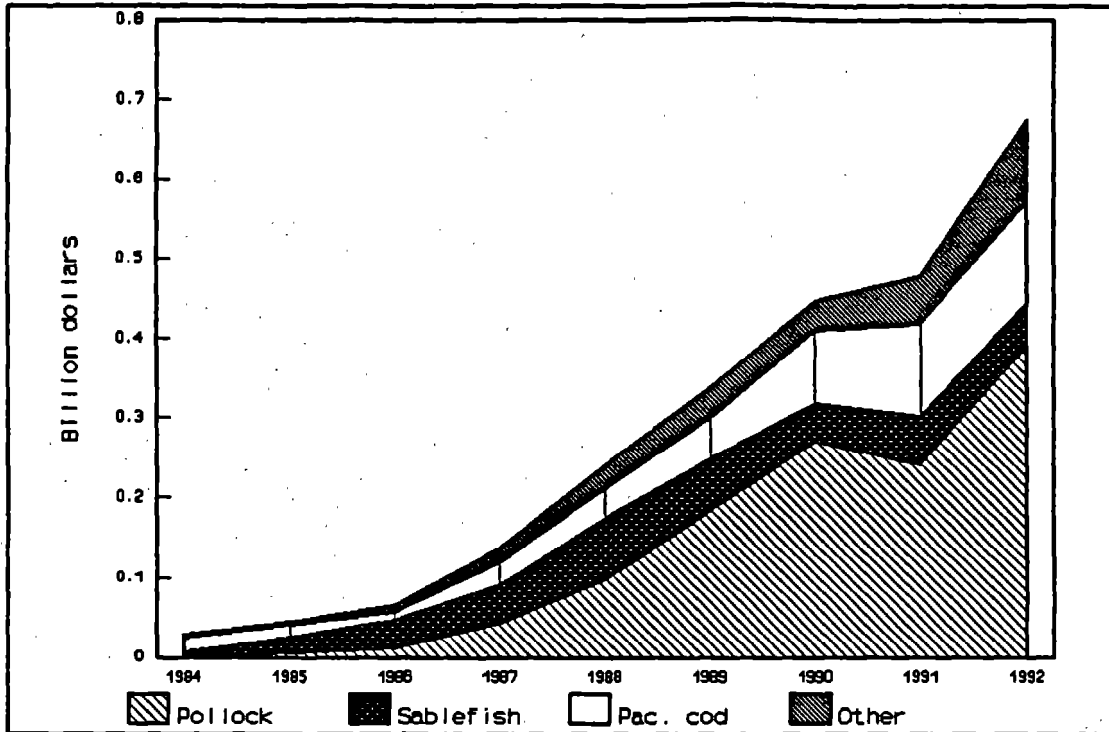


Figure 5. --Ex-vessel value of the domestic groundfish catch off Alaska by species; 1984-92.

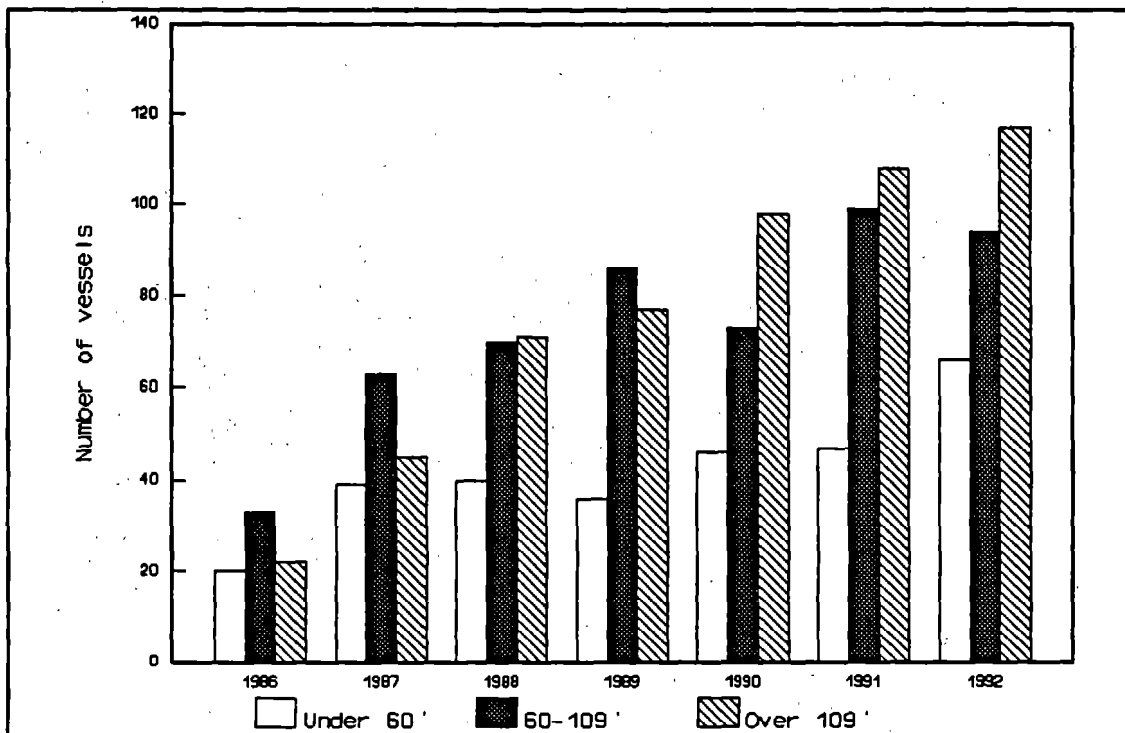


Figure 6. --Number of vessels that landed groundfish in the domestic fishery off Alaska using trawl gear by length class; 1986-92.

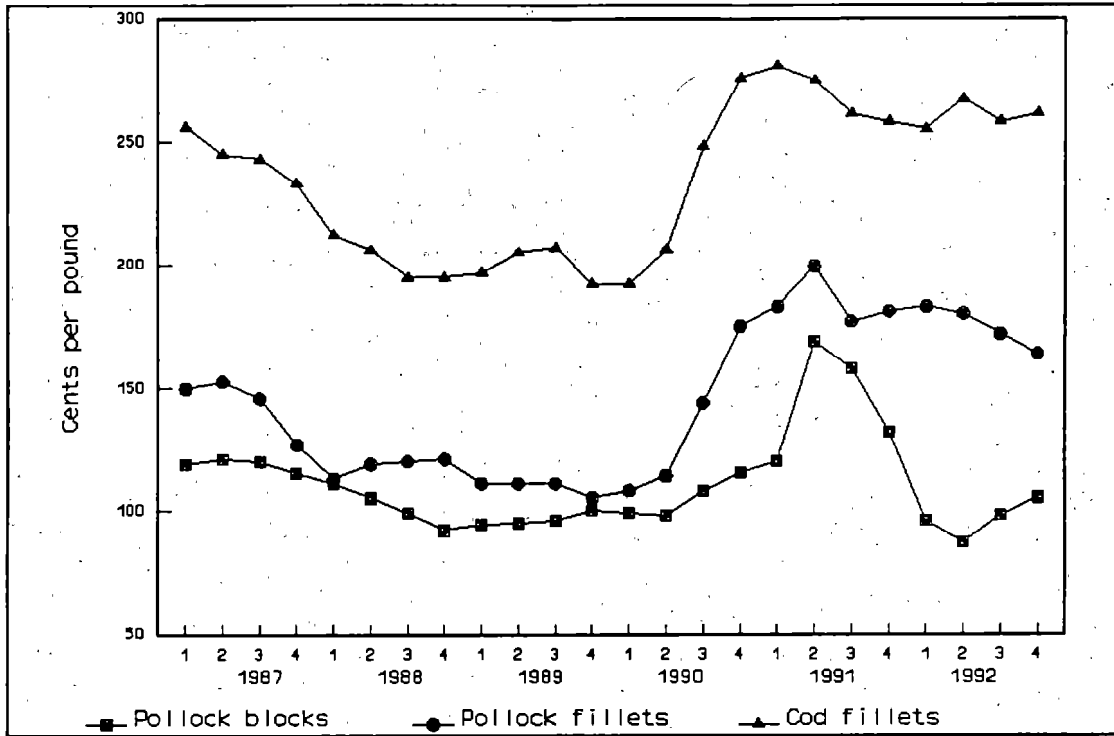


Figure 7.--Quarterly producer prices of Alaska groundfish products, F.O.B. Seattle, WA, 1987-92.

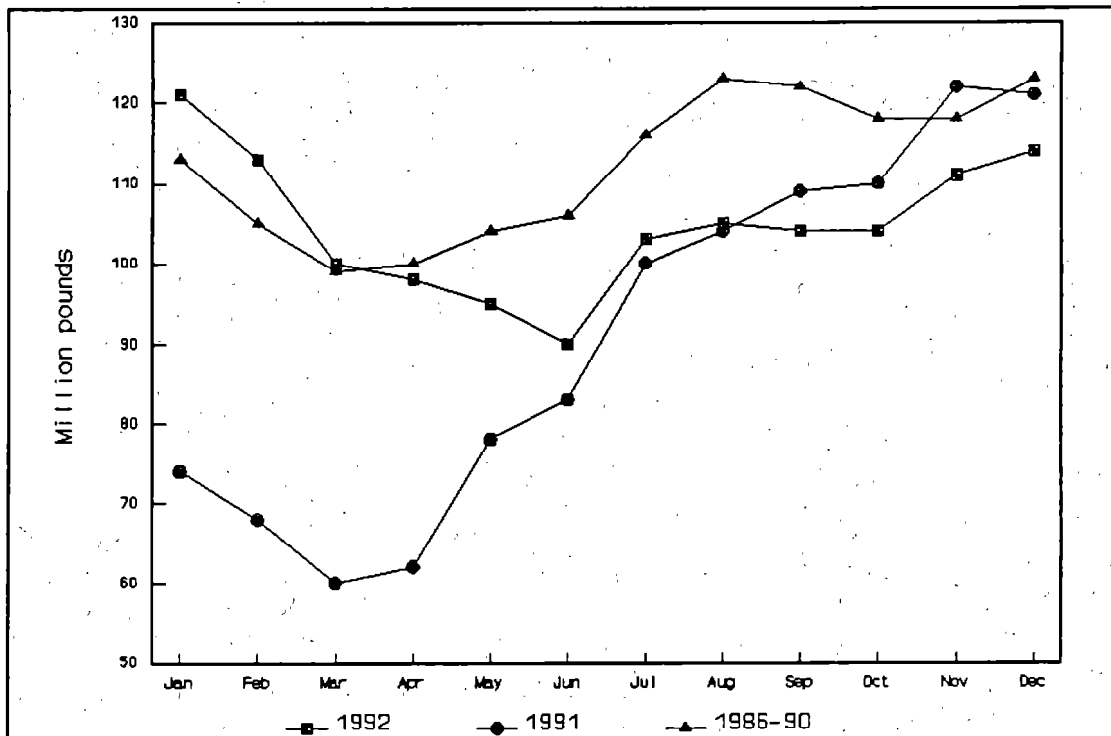


Figure 8.--Monthly U.S. cold storage holdings of groundfish blocks and fillets, 1991-92 and 1986-90 average.

Table 1.--Groundfish catch in the commercial fisheries off Alaska by area and fishery, 1983-92, (1,000 metric tons, round weight).

Year	Fishery			Total
	Domestic	Joint venture	Foreign	
Gulf of Alaska				
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
1991*	216.8	0.0	0.0	216.8
1992	250.7	0.0	0.0	250.7
Bering Sea/Aleutians				
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
1991*	1,474.3	0.0	0.0	1,474.3
1992	1,785.9	0.0	0.0	1,785.9
All Alaska				
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
1991*	1,691.4	0.0	0.0	1,691.4
1992	2,037.3	0.0	0.0	2,037.3

Notes: Domestic catch statistics reflect only the amounts that were landed.
* - Revised on 6 August 1993.

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, 1983-92.

Year	Fishery		
	Domestic	Joint venture	Foreign
Gulf of Alaska			
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
1991	100.0	0.0	0.0
1992	100.0	0.0	0.0
Bering Sea/Aleutians			
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
1991	100.0	0.0	0.0
1992	100.0	0.0	0.0
All Alaska			
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
1991	100.0	0.0	0.0
1992	100.0	0.0	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, 1982-92, (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
Pollock												
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
1991*	81.1	0.0	0.0	81.1	1,168.2	0.0	0.0	1,168.2	1,249.4	0.0	0.0	1,249.4
1992	83.2	0.0	0.0	83.2	1,318.7	0.0	0.0	1,318.7	1,402.3	0.0	0.0	1,402.3
Sablefish												
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
1991*	24.4	0.0	0.0	24.4	3.2	0.0	0.0	3.2	27.7	0.0	0.0	27.7
1992	21.6	0.0	0.0	21.6	2.0	0.0	0.0	2.0	23.7	0.0	0.0	23.7
Pacific Cod												
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
1991*	75.5	0.0	0.0	75.5	154.8	0.0	0.0	154.8	230.4	0.0	0.0	230.4
1992	75.2	0.0	0.0	75.2	175.4	0.0	0.0	175.4	250.7	0.0	0.0	250.7

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
Flatfish												
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
1991*	16.1	0.0	0.0	16.1	115.4	0.0	0.0	115.4	131.5	0.0	0.0	131.5
1992	31.1	0.0	0.0	31.1	204.0	0.0	0.0	204.0	235.2	0.0	0.0	235.2
Rockfish												
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	0.6	0.0	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
1991*	15.5	0.0	0.0	15.5	6.6	0.0	0.0	6.6	22.1	0.0	0.0	22.1
1992	23.0	0.0	0.0	23.0	16.5	0.0	0.0	16.5	39.5	0.0	0.0	39.5
Atka Mackerel												
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
1991*	3.2	0.0	0.0	3.2	22.5	0.0	0.0	22.5	25.7	0.0	0.0	25.7
1992	13.8	0.0	0.0	13.8	45.9	0.0	0.0	45.9	59.7	0.0	0.0	59.7

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

* - Revised on 6 August 1993.

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, 1982-92, (\$ millions and percentage of total).

Year	Fishery			Total
	Domestic	Joint venture	Foreign	
	Value (\$ millions)			
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
1991*	478.4	0.0	0.0	478.4
1992	675.1	0.0	0.0	675.1
	Percentage of total			
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
1991	100.0	0.0	0.0	100.0
1992	100.0	0.0	0.0	100.0

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

* - Revised on 6 August 1993.

Source: National Marine Fisheries Service, Alaska Region; 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, 1982-92, (\$ millions and percentage of total).

Year	Shellfish	Salmon	Herring	Halibut	Groundfish	Total
Value (\$ millions)						
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
1991*	301.1	300.1	28.6	91.6	478.4	1,199.8
1992	335.1	544.5	27.0	48.0	675.1	1,629.7
Percentage of total						
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
1991*	25.1	25.0	2.4	7.6	39.9	100.0
1992	20.6	33.4	1.7	2.9	41.4	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.

* - Groundfish was revised on 6 August 1993.

Source: National Marine Fisheries Service, Alaska Region; 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), 1982-92.

Year	Salmon	Herring	Other finfish*	Crab	Other	Total
Value (\$ millions)						
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	822	71	795	345	38	2,071
1991	612	76	1,074	417	39	2,218
1992	891	89	1,112	433	45	2,570
Percentage of total						
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	39.7	3.4	38.4	16.7	1.8	100.0
1991	27.6	3.4	48.4	18.8	1.8	100.0
1992	34.7	3.5	43.3	16.8	1.7	100.0

Notes: * 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, 1982-92 (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
All Groundfish										
	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
	1991*	32.5	171.7	216.8	67.0	1,403.1	1,474.3	99.6	1,575.0	1,691.4
	1992	38.3	201.8	250.7	107.6	1,662.7	1,785.9	146.0	1,865.2	2,037.3
Pollock										
	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
	1991*	0.0	81.1	81.1	0.4	1,167.7	1,168.2	0.4	1,248.8	1,249.4
	1992	0.1	82.9	83.2	2.6	1,315.9	1,318.7	2.7	1,399.3	1,402.3
Sablefish										
	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
	1991*	22.0	2.4	24.4	2.7	0.5	3.2	24.8	2.9	27.7
	1992	19.2	2.4	21.6	1.9	0.1	2.0	21.3	2.4	23.7
Pacific Cod										
	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
	1991*	7.7	55.3	75.5	62.0	88.8	154.8	69.7	144.1	230.4
	1992	15.2	49.7	75.2	90.7	69.7	175.4	105.9	119.5	250.7

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
Flatfish										
	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
	1991*	0.1	16.0	16.1	0.4	114.9	115.4	0.5	131.0	131.5
	1992	0.4	30.7	31.1	2.7	201.3	204.0	3.1	232.1	235.2
Rockfish										
	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
	1991*	2.1	13.4	15.5	0.4	6.2	6.6	2.5	19.6	22.1
	1992	2.5	20.5	23.0	0.9	15.6	16.5	3.4	36.1	39.5
Atka Mackerel										
	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
	1991*	0.0	3.2	3.2	0.0	22.5	22.5	0.0	25.7	25.7
	1992	0.0	13.8	13.8	0.0	45.8	45.8	0.0	59.7	59.7

Notes: All gear includes the specified gears, other gear, and unidentified gear.
* - Revised on 6 August 1993.

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 8.--Groundfish landings in the domestic fisheries off Alaska by area, mode of operation, and species, 1986-92, (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
Pollock						
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
1991*	19.6	61.5	902.1	266.1	921.7	327.7
1992	9.2	74.0	903.9	414.8	913.1	489.2
Sablefish						
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
1991*	3.6	20.8	2.0	1.2	5.6	22.1
1992	5.2	16.4	1.2	0.8	6.5	17.2
Pacific Cod						
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
1991*	15.0	60.5	127.3	27.5	142.3	88.1
1992	21.6	53.6	152.4	23.0	174.0	76.7
Flatfish						
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
1991*	7.4	8.6	108.1	7.2	115.5	15.9
1992	19.1	11.9	199.6	4.4	218.7	16.5
Rockfish						
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
1991*	12.8	2.7	6.4	0.2	19.1	2.9
1992	20.4	2.5	16.4	0.1	36.8	2.7
Atka Mackerel						
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
1991*	3.2	0.0	22.4	0.1	25.6	0.1
1992	13.8	0.0	45.8	0.1	59.6	0.1
All Groundfish						
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
1991*	61.8	155.0	1,171.0	303.2	1,232.9	458.5
1992	91.1	159.6	1,342.2	443.7	1,433.4	604.0

* - Revised on 6 August 1993.

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 9.--Groundfish landings in the domestic fisheries off Alaska by area, residency, and species, 1986-92, (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
Pollock									
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	36.8	41.0	0.0	15.1	1,315.3	0.2	51.9	1,356.3	0.2
1991*	22.4	59.7	0.0	17.0	1,151.0	0.2	39.4	1,210.7	0.2
1992	31.5	51.6	0.1	50.6	1,267.6	0.5	82.1	1,319.2	0.6
Sablefish									
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	13.9	13.3	0.1	1.6	2.9	0.0	15.5	16.2	0.1
1991*	12.4	11.7	0.3	0.8	2.4	0.0	13.1	14.2	0.3
1992	10.5	11.0	0.1	0.6	1.4	0.0	11.1	12.4	0.1
Pacific Cod									
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	36.6	38.0	0.0	16.4	146.4	0.1	53.0	184.4	0.1
1991*	36.2	39.2	0.1	17.4	137.3	0.0	53.6	176.6	0.1
1992	35.7	36.9	2.7	26.5	147.2	1.7	62.1	184.1	4.4
Flatfish									
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	3.6	11.8	0.0	2.6	39.6	0.0	6.2	51.4	0.0
1991*	5.9	10.2	0.0	21.4	94.0	0.1	27.3	104.1	0.1
1992	14.1	17.0	0.0	53.9	150.1	0.0	67.9	167.1	0.0
Rockfish									
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	5.8	15.3	0.0	2.8	18.0	0.0	8.6	33.3	0.0
1991*	4.5	11.0	0.0	0.5	6.1	0.0	5.0	17.1	0.0
1992	8.2	14.8	0.0	7.8	8.7	0.0	16.0	23.5	0.0
Atka Mackerel									
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	0.1	0.0	2.3	19.9	0.0	2.3	20.0	0.0
1991*	0.6	2.5	0.0	7.2	15.3	0.0	7.7	17.9	0.0
1992	8.4	5.4	0.0	16.5	29.4	0.0	24.9	34.8	0.0
All Groundfish									
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	97.0	122.5	0.1	41.1	1,545.2	0.3	138.2	1,667.8	0.4
1991*	82.5	135.1	0.4	65.2	1,408.8	0.3	147.6	1,543.9	0.6
1992	109.5	138.3	2.9	162.7	1,621.0	2.3	272.2	1,759.2	5.2

Note: Catch delivered to motherships is classified by the residence of the owner of the mothership and not of the catcher boat. Catch is not available by residence of catcher boat owner.

* Revised on 6 August 1993.

Source: National Marine Fisheries Service groundfish fish ticket, vessel registration, weekly processor, blend estimates, and Pacific Marine fisheries Commission, Pacific Fisheries Information Network data bases, 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, 1984-92, (\$ 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
	1991*	55.0	64.5	127.0	44.6	304.3	351.0	99.9	369.0	478.4
	1992	54.2	87.2	147.0	63.3	456.2	527.5	117.9	543.5	675.1
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
	1991*	0.0	21.0	21.0	0.1	220.5	220.6	0.1	241.6	241.8
	1992	0.0	28.1	28.2	1.9	358.5	360.5	1.9	386.8	388.8
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
	1991*	48.1	4.5	52.6	6.9	0.9	7.9	55.2	5.4	60.7
	1992	43.3	4.6	47.9	5.1	0.1	5.2	48.7	4.7	53.5
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
	1991*	4.7	26.8	39.0	36.4	37.8	76.2	41.2	64.6	115.3
	1992	7.9	28.9	42.2	47.2	30.6	85.3	55.1	59.5	127.5
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
	1991*	0.0	4.5	4.5	0.2	34.6	34.8	0.3	39.1	39.4
	1992	0.2	7.0	7.2	1.2	47.2	48.4	1.4	54.2	55.6

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
Rockfish										
	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
	1991*	1.7	6.6	8.3	0.2	2.8	3.0	1.9	9.4	11.4
	1992	2.2	13.9	16.1	0.8	4.1	4.9	3.0	18.0	21.0
Atka Mackerel										
	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
	1991*	0.0	0.9	0.9	0.0	6.6	6.6	0.0	7.5	7.5
	1992	0.0	3.8	3.8	0.0	12.7	12.7	0.0	16.5	16.5

Note: Domestic values are based on ex-vessel prices that do not include the value added by at-see 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.
* - Revised on 6 August 1993.

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, 1986-92, (\$ millions).

Species/Year	Gulf of Alaska		Bering Sea/Aleutians		All Alaska	
	At-sea	Shore-based	At-sea	Shore-based	At-sea	Shore-based
Pollock						
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
1991*	9.0	12.0	168.8	51.9	177.7	64.0
1992	2.7	25.5	248.4	112.1	251.1	137.7
Sablefish						
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
1991*	7.6	45.0	5.1	2.8	12.8	47.9
1992	11.2	36.7	3.1	2.1	14.6	38.9
Pacific Cod						
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
1991*	7.2	31.8	64.3	11.9	71.5	43.8
1992	14.1	28.2	75.2	10.1	89.3	38.2
Flatfish						
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
1991*	2.5	2.1	33.1	1.7	35.6	3.8
1992	4.0	3.3	47.6	0.8	51.6	4.1
Rockfish						
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
1991*	6.4	1.9	2.9	0.1	9.3	2.0
1992	14.0	2.1	4.8	0.1	18.8	2.2
Atka Mackerel						
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
1991*	0.9	0.0	6.6	0.0	7.5	0.0
1992	3.8	0.0	12.7	0.0	16.5	0.0
All Groundfish						
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
1991*	33.6	93.4	282.2	68.7	316.0	162.4
1992	50.6	96.4	402.1	125.4	453.0	222.1

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.

* - Revised on 6 August 1993.

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 12.--Ex-vessel value of the groundfish catch in the domestic fisheries off Alaska by area, residency, and species, 1986-92. (\$ million)

Species/Year	Gulf of Alaska			Bering Sea/Aleutians			All Alaska		
	Alaska	Other	Unknown	Alaska	Other	Unknown	Alaska	Other	Unknown
Pollock									
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	6.0	6.7	0.0	2.9	252.3	0.0	8.9	259.0	0.0
1991*	5.4	14.5	0.0	3.0	203.0	0.0	8.4	217.5	0.0
1992	10.4	17.1	0.0	13.4	335.3	0.1	23.8	352.4	0.2
Sablefish									
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	21.4	20.4	0.2	2.5	4.5	0.0	23.9	24.9	0.2
1991*	26.5	25.1	0.6	1.8	5.9	0.0	28.3	31.0	0.6
1992	23.2	24.2	0.3	1.6	3.6	0.0	24.7	27.8	0.3
Pacific Cod									
1986	1.6	0.5	0.1	3.6	5.2	0.4	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	12.8	13.2	0.0	6.5	58.1	0.0	19.3	71.3	0.0
1991*	18.4	19.9	0.0	8.5	66.6	0.0	26.8	86.5	0.1
1992	19.7	20.3	1.5	12.8	71.4	0.8	32.5	91.7	2.3
Flatfish									
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	0.7	2.4	0.0	0.7	10.7	0.0	1.4	13.1	0.0
1991*	1.6	2.7	0.0	6.1	26.9	0.0	7.7	29.6	0.0
1992	3.1	3.8	0.0	11.9	33.1	0.0	15.0	36.8	0.0
Rockfish									
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	2.7	7.1	0.0	0.8	5.1	0.0	3.5	12.2	0.0
1991*	2.4	5.8	0.0	0.2	2.7	0.0	2.6	8.5	0.0
1992	5.6	10.1	0.0	2.2	2.5	0.0	7.9	12.6	0.0
Atka Mackerel									
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	0.0	0.0	0.5	4.7	0.0	0.5	4.7	0.0
1991*	0.1	0.7	0.0	2.1	4.4	0.0	2.2	5.1	0.0
1992	2.2	1.4	0.0	4.4	7.8	0.0	6.6	9.2	0.0
All Groundfish									
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	43.7	51.2	0.2	14.0	336.1	0.1	57.7	387.3	0.3
1991*	54.7	69.1	0.6	22.1	310.8	0.1	76.8	379.8	0.7
1992	64.8	77.7	1.8	49.3	461.0	1.0	114.1	538.8	2.8

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. Catch delivered to motherships is classified by the residence of the owner of the mothership and not of the catcher boat. Catch is not available by residence of catcher boat owner.
* - Revised on 6 August 1993.

Source: National Marine Fisheries Service fish ticket, weekly processor, vessel registration, blend estimates, and Pacific Marine Fisheries Commission, Pacific Fisheries Information Network data bases, 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, 1984-92, (S/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	0.338	0.120	0.273	0.491	0.176	0.176	0.339	0.171	0.199
1985	0.612	0.078	0.287	0.499	0.111	0.126	0.596	0.104	0.173
1986	0.556	0.125	0.285	0.481	0.089	0.120	0.545	0.099	0.180
1987	0.567	0.142	0.272	0.484	0.096	0.109	0.549	0.106	0.153
1988	0.851	0.152	0.312	0.579	0.090	0.097	0.793	0.099	0.135
1989	0.769	0.145	0.263	0.315	0.089	0.092	0.602	0.095	0.114
1990	0.586	0.123	0.195	0.288	0.094	0.101	0.401	0.097	0.112
1991*	0.767	0.171	0.266	0.302	0.098	0.108	0.455	0.106	0.128
1992	0.649	0.196	0.266	0.267	0.124	0.134	0.367	0.132	0.150
Pollock									
1984	0.000	0.053	0.053	0.000	0.081	0.082	0.000	0.077	0.078
1985	0.743	0.045	0.079	0.050	0.053	0.053	0.695	0.051	0.062
1986	0.064	0.048	0.048	0.058	0.052	0.078	0.059	0.051	0.070
1987	0.087	0.079	0.079	0.080	0.074	0.074	0.081	0.075	0.075
1988	0.083	0.075	0.075	0.057	0.076	0.076	0.073	0.076	0.076
1989	0.071	0.077	0.077	0.135	0.079	0.079	0.134	0.079	0.079
1990	0.314	0.074	0.074	0.317	0.087	0.087	0.317	0.086	0.087
1991*	0.276	0.117	0.117	0.122	0.086	0.086	0.131	0.088	0.088
1992	0.213	0.154	0.154	0.331	0.124	0.124	0.328	0.125	0.126
Sablefish									
1984	0.334	0.164	0.339	0.611	0.169	0.175	0.335	0.169	0.321
1985	0.637	0.410	0.624	0.536	0.367	0.502	0.621	0.395	0.596
1986	0.617	0.420	0.591	0.518	0.391	0.495	0.602	0.409	0.570
1987	0.712	0.446	0.675	0.634	0.427	0.572	0.699	0.437	0.652
1988	0.979	0.824	0.957	0.973	0.803	0.902	0.979	0.816	0.947
1989	0.869	0.681	0.846	0.800	0.605	0.723	0.863	0.656	0.830
1990	0.702	0.667	0.698	0.724	0.648	0.702	0.705	0.661	0.699
1991*	0.992	0.853	0.979	1.153	0.753	1.106	1.011	0.851	0.994
1992	1.022	0.889	1.008	1.202	0.664	1.182	1.040	0.882	1.024
Pacific Cod									
1984	0.162	0.135	0.137	0.272	0.196	0.195	0.165	0.191	0.191
1985	0.164	0.122	0.128	0.136	0.146	0.146	0.160	0.145	0.145
1986	0.160	0.123	0.134	0.193	0.112	0.113	0.162	0.114	0.117
1987	0.211	0.175	0.185	0.171	0.172	0.172	0.205	0.173	0.177
1988	0.216	0.148	0.158	0.277	0.129	0.134	0.240	0.134	0.140
1989	0.214	0.132	0.140	0.232	0.137	0.148	0.228	0.136	0.146
1990	0.207	0.149	0.158	0.259	0.147	0.180	0.253	0.148	0.173
1991*	0.278	0.220	0.234	0.267	0.193	0.232	0.268	0.203	0.227
1992	0.235	0.264	0.255	0.236	0.199	0.221	0.236	0.226	0.231
Flatfish									
1984	0.176	0.163	0.163	0.167	0.116	0.119	0.172	0.161	0.161
1985	0.175	0.128	0.135	0.402	0.236	0.291	0.282	0.140	0.158
1986	0.460	0.132	0.137	0.239	0.146	0.149	0.263	0.144	0.147
1987	0.294	0.101	0.112	0.407	0.110	0.139	0.400	0.109	0.137
1988	0.237	0.116	0.118	0.254	0.140	0.146	0.253	0.137	0.142
1989	0.219	0.100	0.101	0.158	0.128	0.128	0.160	0.124	0.125
1990	0.192	0.092	0.092	0.168	0.122	0.123	0.170	0.114	0.115
1991*	0.195	0.128	0.128	0.241	0.137	0.137	0.230	0.136	0.136
1992	0.208	0.104	0.105	0.204	0.106	0.108	0.205	0.106	0.107

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	0.429	0.132	0.380	0.149	0.126	0.126	0.429	0.126	0.238
1985	0.442	0.176	0.257	0.172	0.142	0.144	0.425	0.165	0.228
1986	0.428	0.235	0.268	0.402	0.274	0.280	0.427	0.240	0.269
1987	0.436	0.242	0.271	0.537	0.163	0.193	0.446	0.227	0.257
1988	0.477	0.260	0.279	0.526	0.200	0.232	0.484	0.253	0.273
1989	0.461	0.297	0.308	0.427	0.155	0.169	0.454	0.263	0.275
1990	0.418	0.195	0.211	0.345	0.126	0.129	0.406	0.157	0.166
1991*	0.370	0.225	0.245	0.253	0.204	0.207	0.351	0.218	0.233
1992	0.431	0.307	0.318	0.419	0.118	0.135	0.427	0.226	0.242
Atka Mackerel									
1984	0.000	0.169	0.169	0.000	0.000	0.000	0.000	0.169	0.169
1986	0.000	0.000	0.000	0.000	0.210	0.210	0.000	0.210	0.210
1987	0.000	0.000	0.000	0.000	0.210	0.210	0.000	0.210	0.210
1988	0.000	0.137	0.137	0.000	0.176	0.176	0.000	0.175	0.175
1989	0.159	0.158	0.158	0.000	0.158	0.158	0.159	0.158	0.158
1990	0.000	0.106	0.106	0.000	0.107	0.107	0.000	0.107	0.107
1991*	0.000	0.125	0.125	0.000	0.134	0.134	0.000	0.133	0.133
1992	0.202	0.125	0.125	0.202	0.125	0.125	0.202	0.125	0.125

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.

* - Revised on 6 August 1993.

Source: National Marine Fisheries Service office of the Pacific Marine Fisheries Commission, 7600 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, 1982-92.

Year	Species	Gulf of Alaska	Bering Sea/Aleutians	All Alaska
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	
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	

Table 14.--Continued.

Year	Species	Gulf of Alaska	Bering Sea/Aleutians	All Alaska
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
1991*	Pollock	37.4	79.2	73.9
	Sablefish	11.2	0.2	1.6
	Pacific Cod	34.8	10.5	13.6
	Flatfish	7.4	7.8	7.8
	Rockfish	7.1	0.5	1.3
	Atka Mackerel	1.5	1.5	1.5
	Other	0.5	0.3	0.3
1992	Pollock	33.2	73.9	68.8
	Sablefish	8.6	0.1	1.2
	Pacific Cod	30.0	9.8	12.3
	Flatfish	12.4	11.4	11.6
	Rockfish	9.2	0.9	1.9
	Atka Mackerel	5.5	2.6	2.9
	Other	1.1	1.3	1.3

* - Revised on 6 August 1993.

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, 1983-92.

Species	Year	Gulf of Alaska	Bering Sea/Aleutians	Unknown
All Groundfish				
	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
	1991*	12.8	87.2	0.0
	1992	12.3	87.7	0.0
Pollock				
	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
	1991*	6.5	93.5	0.0
	1992	5.9	94.1	0.0
Sablefish				
	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
	1991*	88.0	11.7	0.3
	1992	91.0	8.4	0.6
Pacific Cod				
	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
	1991*	32.8	67.2	0.0
	1992	30.0	70.0	0.0

Table 15.--Continued.

Species	Year	Gulf of Alaska	Bering Sea/Aleutians	Unknown
Flatfish				
	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
	1991*	12.2	87.7	0.1
	1992	13.2	86.7	0.1
Rockfish				
	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
	1991*	70.1	29.9	0.0
	1992	58.2	41.8	0.0
Atka Mackerel				
	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
	1991*	12.4	87.6	0.0
	1992	23.2	76.8	0.0

* - Revised on 6 August 1993.

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, 1982-92.

Species	Year	Gulf of Alaska			Bering Sea/Aleutians			All Alaska		
		Trawl	Hook&Line	Other	Trawl	Hook&Line	Other	Trawl	Hook&Line	Other
All Groundfish										
	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
	1991*	79.2	15.0	5.8	95.2	4.5	0.3	93.1	5.9	1.0
	1992	80.5	15.3	4.2	93.1	6.0	0.9	91.5	7.2	1.3
Pollock										
	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
	1991*	100.0	0.0	0.0	100.0	0.0	0.0	100.0	0.0	0.0
	1992	99.7	0.1	0.2	99.8	0.2	0.0	99.8	0.2	0.0
Sablefish										
	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
	1991*	9.9	90.1	0.0	15.3	84.7	0.0	10.5	89.5	0.0
	1992	11.0	89.0	0.0	3.6	95.9	0.5	10.3	89.7	0.0
Pacific Cod										
	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
	1991*	73.2	10.2	16.6	57.3	40.1	2.6	62.5	30.3	7.2
	1992	66.1	20.2	13.7	39.8	51.7	8.5	44.6	42.3	10.1

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
Flatfish										
	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
	1991*	99.4	0.6	0.0	99.7	0.3	0.0	99.6	0.4	0.0
	1992	98.7	1.3	0.0	98.7	1.3	0.0	98.7	1.3	0.0
Rockfish										
	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
	1991*	86.6	13.3	0.1	94.1	5.9	0.0	88.8	11.1	0.1
	1992	89.3	10.7	0.0	94.5	5.5	0.0	91.4	8.6	0.0
Atka Mackerel										
	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
	1991*	100.0	0.0	0.0	100.0	0.0	0.0	100.0	0.0	0.0
	1992	100.0	0.0	0.0	99.9	0.1	0.0	99.9	0.1	0.0

* - Revised on 6 August 1993.

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 17.--Percentage distribution of the ex-vessel value of the domestic groundfish catch off Alaska among species by area, 1984-92.

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
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

Table 17.- -Continued.

Year	Species	Gulf of Alaska	Bering Sea/Aleutians	All Alaska
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
1991*	Pollock	16.5	62.9	50.5
	Sablefish	41.4	2.2	12.7
	Pacific Cod	30.7	21.7	24.1
	Flatfish	3.6	9.9	8.2
	Rockfish	6.6	0.9	2.4
	Atka Mackerel	0.7	1.9	1.6
	Other	0.5	0.5	0.5
1992	Pollock	19.2	68.3	57.6
	Sablefish	32.6	1.0	7.9
	Pacific Cod	28.7	16.2	18.9
	Flatfish	4.9	9.2	8.2
	Rockfish	11.0	0.9	3.1
	Atka Mackerel	2.6	2.4	2.5
	Other	1.0	2.0	1.8

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.

* - Revised on 6 August 1993.

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, 1984-92.

Species	Year	Gulf of Alaska	Bering Sea/Aleutians	Unknown
All Groundfish				
	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
	1991*	26.5	73.4	0.1
	1992	21.8	78.1	0.1
Pollock				
	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
	1991*	8.7	91.3	0.0
	1992	7.3	92.7	0.0
Sablefish				
	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
	1991*	86.6	13.0	0.4
	1992	89.6	9.7	0.7
Pacific Cod				
	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
	1991*	33.8	66.2	0.0
	1992	33.1	66.9	0.0

Table 18.--Continued.

Species	Year	Gulf of Alaska	Bering Sea/Aleutians	Unknown
Flatfish				
	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
	1991*	11.5	88.5	0.0
	1992	13.0	86.9	0.1
Rockfish				
	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
	1991*	73.5	26.5	0.0
	1992	76.6	23.4	0.0
Atka Mackerel				
	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
	1991*	11.7	88.3	0.0
	1992	23.2	76.8	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.

* - Revised on 6 August 1993.

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, 1984-92.

Species	Year	Gulf of Alaska			Bering Sea/Aleutians			All Alaska		
		Trawl	Hook&Line	Other	Trawl	Hook&Line	Other	Trawl	Hook&Line	Other
All Groundfish										
	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
	1991*	50.7	43.3	5.9	86.7	12.7	0.6	77.1	20.9	2.0
	1992	59.3	36.9	3.8	86.5	12.0	1.5	80.5	17.5	2.0
Pollock										
	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
	1991*	99.9	0.1	0.0	99.9	0.1	0.0	99.9	0.1	0.0
	1992	99.7	0.1	0.2	99.5	0.5	0.0	99.5	0.5	0.0
Sablefish										
	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
	1991*	8.6	91.4	0.0	11.7	88.3	0.0	9.0	91.0	0.0
	1992	9.7	90.3	0.0	2.0	97.5	0.5	8.8	91.1	0.1
Pacific Cod										
	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
	1991*	68.6	12.1	19.3	49.6	47.8	2.6	56.0	35.7	8.3
	1992	68.5	18.7	12.8	35.8	55.4	8.8	46.7	43.2	10.1
Flatfish										
	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
	1991*	99.0	1.0	0.0	99.4	0.6	0.0	99.3	0.7	0.0
	1992	97.4	2.6	0.0	97.5	2.5	0.0	97.5	2.5	0.0

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
Rockfish										
	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
	1991*	79.7	20.1	0.2	92.8	7.2	0.0	83.1	16.8	0.1
	1992	86.7	13.7	0.0	82.9	17.1	0.0	85.5	14.5	0.0
Atka Mackerel										
	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
	1991*	100.0	0.0	0.0	100.0	0.0	0.0	100.0	0.0	0.0
	1992	100.0	0.0	0.0	99.2	0.1	0.1	99.9	0.1	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.
* - Revised on 6 August 1993.

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.--Blend estimate of the groundfish catch off Alaska by area and species, 1991-92 (1,000 metric tons).

Year/Species	Gulf of Alaska		Bering Sea/Aleutians		All Alaska	
	Retained	Discarded	Retained	Discarded	Retained	Discarded
1991						
Pollock	91.5	16.1	1,470.7	158.4	1,562.2	174.5
Sablefish	22.6	0.5	3.4	0.1	26.0	0.6
Pacific cod	74.3	2.7	200.8	17.3	275.1	20.0
Flatfish	14.4	25.7	132.4	108.0	146.7	133.7
Rockfish	16.9	4.3	7.5	3.1	24.5	7.4
Atka mackerel	1.3	0.1	23.5	3.3	24.7	3.4
Other	1.8	4.0	3.2	24.3	5.0	28.2
Total	222.7	53.4	1,841.4	314.4	2,064.1	367.8
1992						
Pollock	78.3	15.7	1,307.6	130.9	1,385.8	146.5
Sablefish	22.4	1.0	2.1	0.0	24.4	1.0
Pacific cod	76.4	3.8	181.3	24.0	257.7	27.8
Flatfish	14.7	28.9	132.9	115.6	147.6	144.5
Rockfish	19.1	5.9	13.8	4.6	32.9	10.5
Atka mackerel	8.2	0.4	40.3	9.7	48.5	10.1
Other	4.8	5.2	2.8	31.1	7.6	36.3
Total	223.8	60.8	1,680.8	316.0	1,904.6	376.8

Source: NMFS Alaska Region blend estimates.

Table 21.--Blend estimate of the Gulf of Alaska groundfish catch by species and target fishery, 1991-92 (metric tons).

Target fishery	Pollock	Sable- fish	Pacific cod	Arrow- tooth	Flatfish, deep	Flatfish, shallow	Rock- fish	Other	Total
1991									
Longline target									
Sablefish	11	20,399	778	1,093	85	32	1,339	706	24,442
Pacific cod	32	24	7,324	13	5	4	79	116	7,598
Rockfish	2	24	48	5	8	21	525	9	643
Longline total	44	20,448	8,151	1,112	99	56	1,943	831	32,683
Pot target									
Pacific cod	95	.	10,487	1	.	3	3	133	10,721
Other	.	.	0	.	.	.	.	1	2
Pot total	95	.	10,488	1	.	3	3	134	10,723
Trawl target									
Pollock									
Bottom	13,966	212	993	1,315	815	699	244	142	18,387
Pelagic	80,497	6	205	153	7	39	95	45	81,047
Sablefish	9	64	9	73	64	4	29	3	255
Pacific cod	9,202	111	54,832	2,211	1,325	4,898	607	1,897	75,082
Arrowtooth	382	85	103	1,595	336	23	367	42	2,933
Flatfish									
Deep	1,666	812	971	10,679	6,602	1,520	1,064	592	23,907
Shallow	194	50	186	327	216	568	74	56	1,672
Rockfish	1,389	1,317	659	3,985	729	221	15,999	302	24,601
Other	77	22	271	120	41	235	372	3,071	4,209
Trawl total	107,381	2,681	58,230	20,457	10,136	8,207	18,852	6,150	232,092
1991 Total	107,521	23,135	76,981	21,570	10,234	8,266	21,200	7,115	276,022

Table 21.--Continued.

Target fishery	Pollock	Sable- fish	Pacific cod	Arrow- tooth	Flatfish, deep	Flatfish, shallow	Rock- fish	Other	Total
1992									
Longline target									
Sablefish	13	20,477	510	1,266	61	3,181	1,707	815	28,029
Pacific cod	60	138	14,893	209	3	26	119	619	16,066
Rockfish	0	44	55	3	0	0	739	4	844
Other	1	8	8	2	0	3	0	3	26
Longline total	73	20,666	15,466	1,479	64	3,211	2,565	1,441	44,965
Pot target									
Pacific cod	2	0	10,009	1	0	2	2	174	10,190
Other	.	.	1	.	.	.	1	4	6
Pot total	2	0	10,009	1	0	2	3	178	10,195
Trawl target									
Pollock									
Bottom	11,588	67	765	729	259	527	139	207	14,282
Pelagic	71,305	11	279	257	11	105	15	303	72,285
Sablefish	13	9	2	15	2	0	1	0	42
Pacific cod	7,922	76	49,470	2,334	427	4,348	403	1,284	66,263
Arrowtooth	55	52	38	96	14	2	14	3	274
Flatfish									
Deep	1,403	617	1,099	9,324	6,394	1,257	999	672	21,764
Shallow	709	123	1,113	1,650	473	4,331	168	569	9,137
Rockfish	545	1,717	580	4,176	418	132	18,780	508	26,855
Other	230	36	972	960	300	248	1,500	13,492	17,737
Trawl total	93,769	2,708	54,319	19,541	8,298	10,950	22,018	17,038	228,640
1992 Total	93,851	23,376	80,120	21,021	8,363	14,162	24,926	18,657	284,477

Source: NMFS Alaska Region blend estimates.

Table 22.--Blend estimate of the Bering Sea and Aleutian Islands groundfish catch by species and target fishery, 1991-92 (metric tons).

Target fishery	Pollock	Sable- fish	Pacific cod	Arrow- tooth	Rock sole	Turbot	Yellowfin sole	Flatfish, other	Rock- fish	Atka mackerel	Other	Total
1991												
Longline target												
Sablefish	8	2,528	283	196	0	1,300	.	26	279	0	125	4,745
Pacific cod	2,542	358	78,617	2,139	22	574	3	322	288	3	7,132	92,002
Arrowtooth	.	3	.	5	.	1	.	.	0	.	0	8
Turbot	.	6	0	1	.	12	.	1	1	.	2	23
Rockfish	.	9	2	1	.	3	.	3	13	.	0	30
Other	0	.	25	1	.	.	.	0	.	.	35	61
Longline total	2,584	2,905	79,697	2,358	22	1,890	3	357	581	4	7,386	97,787
Pot target												
Sablefish	.	0	.	0	.	0	.	.	.	.	.	0
Pacific cod	3	0	6,673	1	0	0	39	1	2	2	224	6,943
Other	.	.	.	.	.	.	.	.	.	.	0	0
Pot total	3	0	6,673	1	0	0	39	1	2	2	224	6,944
Trawl target												
Pollock												
Bottom	327,528	28	21,908	7,792	2,581	208	856	5,744	645	562	4,165	372,016
Pelagic	1,224,008	1	4,725	598	238	125	52	1,425	289	8	1,492	1,232,962
Sablefish	28	97	12	155	.	189	.	19	29	.	23	551
Pacific cod	41,060	17	90,141	3,466	6,560	190	592	4,509	2,648	897	4,799	154,879
Arrowtooth	171	30	25	1,463	2	403	0	126	99	2	113	2,434
Rock sole	20,040	8	6,365	712	36,283	1	7,231	6,157	88	1	2,830	79,715
Turbot	221	257	115	1,995	9	5,060	0	152	106	70	213	8,196
Yellowfin sole	8,062	1	3,994	175	9,665	0	104,596	13,410	29	1	3,802	143,735
Flatfish, other	3,112	2	957	602	1,235	9	4,276	4,027	19	.	891	15,129
Rockfish	809	47	1,028	1,497	106	127	6	361	5,270	215	603	10,069
Atka mackerel	926	55	2,411	172	122	46	.	56	814	24,975	884	30,459
Other	2	1	2	45	0	0	.	5	0	.	20	76
Trawl total	1,625,966	543	131,682	18,671	56,800	6,357	117,609	35,991	10,035	26,732	19,834	2,050,222
1991 Total	1,628,897	3,448	218,052	21,030	56,823	8,248	117,651	36,349	10,617	26,737	27,445	2,155,298

Table 22. --Continued.

Target fishery	Pollock	Sable- fish	Pacific cod	Arrow- tooth	Rock sole	Turbot	Yellowfin sole	Flatfish, other	Rock- fish	Atka mackerel	Other	Total
1992												
Longline target												
Sablefish	1	1,807	139	268	.	1,445	.	6	304	.	146	4,116
Pacific cod	3,188	179	100,903	1,655	28	576	91	275	838	57	11,166	118,957
Turbot	0	28	12	4	.	75	.	0	4	.	10	134
Rockfish		0	.	1	.	2	.	0	1	.	0	4
Longline total	3,190	2,015	101,055	1,928	28	2,099	91	281	1,147	57	11,322	123,211
Pot target												
Sablefish	0	0	0	0	.	.	.	.	0	.	0	1
Pacific cod	7	13	13,680	3	2	9	24	1	3	12	669	14,423
Other											15	15
Pot total	7	13	13,680	4	2	9	24	1	3	12	684	14,439
Trawl target												
Pollock												
Bottom	631,294	6	19,620	3,751	6,650	173	818	7,391	507	291	4,553	675,053
Pelagic	760,781	2	3,653	318	444	135	23	1,220	132	49	1,370	768,127
Sablefish		26	.	1	.	2	.	.	2	.	1	31
Pacific cod	16,679	10	47,885	2,865	3,502	81	277	2,487	1,176	3,073	3,007	81,042
Arrowtooth	127	1	24	108	13	10	0	44	11	11	24	374
Rock sole	10,073	.	5,292	526	26,094	0	6,636	4,845	0	8	1,974	55,448
Yellowfin sole	12,815	0	8,533	437	14,413	1	137,384	17,033	0	1	7,915	198,533
Flatfish, other	1,200	0	424	243	686	4	1,527	1,298	22	2	1,559	6,964
Rockfish	1,338	25	1,232	1,556	61	220	0	243	11,936	2,164	552	19,328
Atka mackerel	683	5	3,404	205	44	34	0	39	3,494	44,358	193	52,460
Other	4	.	193	7	0	0	.	1	33	.	650	888
Trawl total	1,434,995	75	90,261	10,017	51,907	661	146,664	34,601	17,314	49,957	21,797	1,858,248
1992 Total	1,438,197	2,104	205,175	11,950	51,938	2,768	146,781	34,884	18,464	50,035	33,808	1,996,104

Source: NMFS Alaska Region blend estimates.

Table 23.--Number of vessels that landed groundfish in the domestic fisheries off Alaska by area and gear, 1986-92.

Gear	1986	1987	1988	1989	1990	1991	1992
Gulf of Alaska							
Hook&Line	965	1,671	1,529	1,352	1,610	1,842	1,904
Pot	21	22	46	22	103	167	234
Trawl	61	113	122	135	174	215	234
Other	7	24	15	3	34	11	16
All	1,036	1,784	1,669	1,494	1,833	2,100	2,215
Bering Sea/Aleutian Islands							
Hook&Line	60	121	110	78	105	196	166
Pot	9	11	12	5	10	41	73
Trawl	45	74	101	129	135	169	191
Other	4	1	0	1	2	1	11
All	111	204	220	209	248	391	402
All Alaska							
Hook&Line	1,356	1,704	1,549	1,363	1,636	1,902	1,948
Pot	24	31	51	26	111	204	285
Trawl	80	153	184	205	225	262	296
Other	15	25	15	4	35	12	23
All	1,449	1,859	1,749	1,576	1,914	2,227	2,341

Note: Includes motherships, but does not include catcher. boats delivering exclusively to motherships. Totals excludes duplication if vessel used more than one gear type or fished in more than one area.

Source: National Marine Fisheries Service groundfish- fish ticket, weekly processor, and blend estimates data bases, 7600 Sand Point Way N.E., BIN C15700, Seattle, WA 98115-0070.

Table 24. --Number of vessels that landed groundfish in the domestic fisheries off Alaska by area, gear,, and vessel length class, 1986-92.

Gear/Length (feet)		1986	1987	1988	1989	1990	1991	1992
Gulf of Alaska								
Hook&Line	< 60	835	1,476	1,370	1,196	1,409	1,624	1,648
	60-84	89	136	114	103	131	144	144
	85-109	15	19	14	10	15	29	37
	110-134	4	6	7	10	13	8	23
	135-159	1	2	0	0	3	1	8
	160-184	1	1	4	4	5	2	9
	> 184	0	0	0	1	5	0	2
	Unknown	20	31	20	28	29	34	33
Pot	< 60	5	10	34	17	60	111	160
	60-84	8	4	1	1	27	42	45
	85-109	5	3	6	2	10	10	10
	110-134	1	1	2	0	3	1	3
	135-159	0	0	1	0	0	1	7
	160-184	2	1	2	1	1	0	4
	> 184	0	1	0	0	1	0	2
	Unknown	0	2	0	1	1	2	3
Trawl	< 60	18	35	37	31	43	45	62
	60-84	14	30	31	35	42	55	57
	85-109	10	19	18	24	23	30	29
	110-134	9	14	19	18	24	29	31
	135-159	2	4	3	4	7	7	9
	160-184	3	6	6	7	11	11	13
	> 184	3	4	6	14	23	35	23
	Unknown	2	1	2	2	1	3	10
Other	< 60	3	21	13	3	24	8	13
	60-84	0	0	0	0	3	1	1
	85-109	1	0	0	0	3	0	1
	110-134	0	0	1	0	0	0	0
	135-159	0	0	0	0	0	0	1
	160-184	0	0	0	0	1	0	0
	> 184	0	0	0	0	1	0	0
	Unknown	3	3	1	0	2	2	0
All Gear	< 60	850	1,512	1,419	1,235	1,497	1,712	1,769
	60-84	107	160	141	135	167	198	213
	85-109	28	39	38	34	42	57	65
	110-134	14	19	28	28	39	37	54
	135-159	3	6	4	4	10	8	19
	160-184	6	7	11	12	16	13	24
	> 184	3	4	6	15	29	35	25
	Unknown	25	37	22	31	33	40	46

Table 24.--Continued.

Gear/Length (feet)		1986	1987	1988	1989	1990	1991	1992
Bering Sea/Aleutian Islands								
Hook&Line	< 60	25	64	57	33	43	102	66
	60-84	29	44	33	28	32	46	40
	85-109	4	5	6	3	4	10	11
	110-134	1	3	8	9	12	17	22
	135-159	1	2	1	1	2	4	9
	160-184	0	1	4	3	7	12	14
	> 184	0	0	1	1	3	1	3
	Unknown	0	2	0	0	2	4	1
Pot	< 60	0	2	2	1	0	2	4
	60-84	2	0	1	1	1	6	9
	85-109	2	3	4	1	2	11	23
	110-134	3	3	2	0	1	11	11
	135-159	0	1	1	0	1	2	11
	160-184	2	2	2	2	5	6	12
	> 184	0	0	0	0	0	2	2
	Unknown	0	0	0	0	0	1	1
Trawl	< 60	2	6	5	9	5	2	9
	60-84	7	10	13	19	13	26	33
	85-109	11	14	18	25	14	27	24
	110-134	12	21	28	28	30	35	39
	135-159	3	4	4	5	6	9	8
	160-184	4	6	10	9	14	14	20
	> 184	3	7	22	30	45	49	46
	Unknown	3	6	1	4	8	7	12
Other	< 60	1	0	0	0	0	0	2
	60-84	0	0	0	0	0	0	0
	85-109	2	0	0	0	1	0	0
	110-134	1	0	0	0	0	1	2
	135-159	0	0	0	0	0	0	2
	> 184	0	0	0	0	1	0	1
	Unknown	0	1	0	0	0	0	0
All Gear	< 60	38	72	63	41	47	105	80
	60-84	15	53	47	47	45	77	74
	85-109	14	22	28	28	20	45	55
	110-134	4	25	37	37	43	59	64
	135-159	6	7	6	6	9	14	28
	160-184	3	9	16	14	26	29	38
	> 184	3	7	22	31	48	51	49
Unknown	28	9	1	5	10	11	14	

Table 24--Continued.

Gear/Length (feet)		1986	1987	1988	1989	1990	1991	1992
All Alaska								
Hook&Line	< 60	1,213	1,502	1,381	1,203	1,427	1,652	1,664
	60-84	91	139	115	103	133	147	148
	85-109	17	19	16	11	15	30	39
	110-134	4	7	9	12	14	18	30
	135-159	1	2	1	1	4	5	12
	160-184	1	2	5	4	7	12	17
	> 184	0	0	1	1	6	1	5
	Unknown	29	33	21	28	30	37	33
Pot	< 60	5	12	35	18	60	112	160
	60-84	8	4	2	2	28	46	48
	85-109	5	4	7	3	11	21	30
	110-134	4	4	3	0	3	12	12
	135-159	0	1	1	0	1	2	15
	160-184	2	3	3	2	6	6	14
	> 184	0	1	0	0	1	1	2
	Unknown	0	2	0	1	1	4	4
Trawl	< 60	20	39	40	36	46	47	66
	60-84	18	36	41	44	45	62	62
	85-109	15	27	29	42	28	37	32
	110-134	12	26	34	32	31	35	41
	135-159	3	4	4	5	7	9	10
	160-184	4	7	11	10	15	14	20
	> 184	3	8	22	30	45	50	46
	Unknown	5	6	3	6	8	8	19
Other	< 60	8	21	13	3	24	8	15
	60-109	3	0	0	0	7	1	2
	110-184	1	0	1	0	1	1	5
	> 184	0	0	0	0	1	0	1
	Unknown	3	4	1	1	2	2	0
All Gear	< 60	1,234	1,540	1,433	1,246	1,517	1,740	1,786
	60-84	113	168	150	144	172	210	218
	85-109	33	48	51	53	48	73	86
	110-134	18	33	45	44	47	60	72
	135-159	4	7	6	6	12	14	32
	160-184	7	11	18	16	27	29	41
	> 184	3	8	22	31	51	52	50
	Unknown	37	44	24	36	40	49	56

Note: Includes motherships, but does not include catcher boats delivering exclusively to motherships.

Source: National Marine Fisheries Service groundfish fish ticket, weekly processor, blend estimates, and vessel registration data bases, 7600 Sand Point Way N.E., BIN C15700, Seattle, WA 98115-0070.

Table 25.--Number of vessels that landed groundfish in the domestic fisheries off Alaska by area, species, mode of operation, and gear, 1986-92.

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	0	0	20	0	31	4	62	3
1991	0	0	34	0	26	2	88	1
1992	0	0	29	0	47	10	129	8
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	29	1	32	0	753	1	24	2
1991	19	0	33	0	1,014	1	39	2
1992	34	0	28	0	1,099	3	49	2
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	21	4	37	1	729	97	116	25
1991	14	1	54	0	840	163	145	7
1992	41	9	46	1	935	223	169	12
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	3	0	32	0	21	2	64	2
1991	4	0	41	0	16	0	80	0
1992	12	0	41	0	29	0	95	1
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	26	1	31	0	1,035	1	38	4
1991	18	0	42	0	1,251	6	54	6
1992	34	1	37	0	1,334	9	64	2
Atka Mackerel								
1988	0	0	6	0	0	0	0	0
1989	0	0	11	0	1	0	0	0
1990	0	0	2	0	0	0	0	0
1991	0	0	15	0	1	0	0	0
1992	0	0	13	0	0	0	3	0

Table 25.--Continued.

Species/Year	At-sea				Shore-based			
	Hook&Line	Pot	Trawl	Other	Hook&Line	Pot	Trawl	Other
All Groundfish								
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	31	5	46	1	1,586	98	132	33
1991	23	1	63	0	1,825	166	152	11
1992	51	9	52	1	1,871	225	187	15
Bering Sea/Aleutian Islands								
Pollock								
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	1	0	60	0	1	0	39	1
1991	10	0	67	0	4	0	74	1
1992	12	0	67	2	2	1	115	1
Sablefish								
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	16	0	30	0	49	0	3	0
1991	28	1	39	0	101	0	7	0
1992	36	2	21	2	84	3	13	0
Pacific Cod								
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	30	5	61	1	58	5	65	1
1991	42	13	78	0	141	28	97	1
1992	58	21	77	2	96	63	128	2
Flatfish								
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	18	1	46	0	32	0	25	1
1991	15	0	70	0	14	0	56	1
1992	36	1	65	1	38	0	101	0

Table 25.--Continued.

Species/Year	At-sea				Shore-based			
	Hook&Line	Pot	Trawl	Other	Hook&Line	Pot	Trawl	Other
Rockfish								
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	20	0	38	0	47	0	29	0
1991	25	0	54	0	51	0	14	0
1992	38	2	52	1	70	2	50	0
Atka Mackerel								
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	0	0	25	0	0	0	9	0
1991	0	1	31	0	0	0	4	0
1992	5	1	37	0	0	0	21	1
All Groundfish								
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	31	5	74	1	79	5	69	1
1991	44	13	84	0	164	28	100	1
1992	60	21	83	4	126	63	139	3
All Alaska								
Pollock								
1986	0	0	13	4	28	1	36	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	1	0	61	0	31	4	87	4
1991	10	0	71	0	30	2	116	2
1992	12	0	72	2	49	11	181	9
Sablefish								
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	30	1	34	0	757	1	27	2
1991	31	1	50	0	1,034	1	44	2
1992	48	2	37	6	1,111	6	60	2

Table 25.--Continued.

Species/Year	At-sea				Shore-based			
	Hook&Line	Pot	Trawl	Other	Hook&Line	Pot	Trawl	Other
Pacific Cod								
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	33	9	63	1	771	100	147	26
1991	44	12	81	0	935	188	183	8
1992	67	25	82	3	994	269	233	14
Flatfish								
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	20	1	46	0	51	2	80	3
1991	16	0	73	0	29	0	106	1
1992	39	1	67	1	59	0	150	1
Rockfish								
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	31	1	41	0	1,047	1	66	4
1991	31	3	60	0	1,267	6	67	6
1992	49	3	61	1	1,343	11	98	2
Atka Mackerel								
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	0	0	25	0	0	0	9	0
1991	0	1	31	0	1	0	4	0
1992	5	1	38	0	0	0	21	1
All Groundfish								
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	36	10	76	1	1,610	101	160	34
1991	47	13	86	0	1,871	191	191	12
1992	72	25	87	5	1,904	271	242	18

Note: Includes motherships, but does not include catcher boats delivering exclusively to motherships.

Source: National Marine Fisheries Service groundfish fish ticket, weekly processor, and blend estimates data bases, 7600 Sand Point Way N.E., BIN C15700, Seattle, WA 98115-0070:

Table 26.--Number of vessels that landed groundfish in the domestic fisheries off Alaska by area, gear, mode of operation, and residency, 1986-92.

Year	Residency	At-sea				Shore-based			
		Hook&Line	Pot	Trawl	Other	Hook&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	10	1	3	0	1,311	80	71	24
	Other	21	3	43	1	249	18	61	7
	Unknown	0	1	0	0	26	0	0	2
1991	Alaska	4	0	9	0	1,505	144	79	7
	Other	18	1	54	0	291	20	72	2
	Unknown	1	0	0	0	29	2	1	2
1992	Alaska	12	0	10	0	1,525	199	82	14
	Other	39	8	41	1	315	24	98	1
	Unknown	0	1	1	0	31	2	7	0
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
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

Table 26 .--Continued.

Year	Residency	At-sea				Shore-based			
		Hook&Line	Pot	Trawl	Other	Hook&Line	Pot	Trawl	Other
1990	Alaska	9	0	4	0	39	2	11	0
	Other	21	5	70	1	40	3	56	1
	Unknown	1	0	0	0	0	0	2	0
1991	Alaska	8	1	9	0	87	8	14	0
	Other	36	11	75	0	75	20	83	1
	Unknown	0	1	0	0	2	0	3	0
1992	Alaska	12	0	14	2	58	13	21	2
	Other	48	21	68	2	67	50	113	1
	Unknown	0	0	1	0	1	0	5	0
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	11	1	4	0	1,327	81	75	24
	Other	24	8	72	1	257	20	83	8
	Unknown	1	1	0	0	26	0	2	2
1991	Alaska	9	1	9	0	1,527	150	82	7
	Other	37	11	77	0	313	39	105	3
	Unknown	1	0	0	0	31	2	4	2
1992	Alaska	18	0	14	2	1,540	202	89	16
	Other	54	24	72	2	333	67	141	2
	Unknown	0	1	1	0	31	2	12	0

Note: Includes motherships, but does not include catcher boats delivering exclusively to motherships.

Source: National Marine Fisheries Service groundfish fish ticket, weekly processor, and blend estimates data bases, 7660 Sand Point Way N.E., BIN C15700, Seattle, WA 98115-0070.

Table 27.- -Number of vessels that landed groundfish in the domestic fisheries off Alaska by area, gear, year, and month, 1986-92.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
Gulf of Alaska												
Pots												
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	20	36	33	18	12	10	13	27	37	25	31
1991	46	62	111	89	3	3	0	1	0	13	26	34
1992	72	138	162	85	1	2	1	4	12	7	0	0
Longline												
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	64	58	131	621	1,031	765	53	172	174	39	45	40
1991	102	135	277	277	1,399	485	79	63	650	44	56	31
1992	169	245	349	225	851	1,206	183	69	558	467	47	33
Trawl												
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	46	62	103	110	50	24	54	53	55	80	30	0
1991	75	97	151	94	25	36	84	26	33	70	1	0
1992	89	143	178	87	43	75	74	37	29	72	11	2
All Gear												
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	86	407	277	131	81
1989	63	134	170	660	828	741	110	78	458	118	47	54
1990	111	138	264	764	1,091	810	126	244	256	155	100	71
1991	223	292	534	451	1,428	523	163	91	681	127	84	67
1992	313	522	682	396	893	1,282	258	109	595	541	58	35

Table 27.--Continued.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
Bering Sea/Aleutian Islands												
Pots												
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	0	0	0	0	1	0	3	3	4	5	1	0
1991	0	1	4	3	0	1	12	11	9	13	11	7
1992	12	4	3	10	33	25	27	31	15	0	0	0
Longline												
1986	3	6	11	5	3	22	32	21	3	4	4	1
1987	7	9	13	10	8	47	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	13	14	13	7	34	49	64	52	32	30	28	22
1991	15	24	27	38	34	49	122	124	33	39	42	37
1992	31	35	49	72	63	85	91	111	43	1	0	0
Trawl												
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	82	86	89	74	73	75	64	69	86	82	64	34
1991	121	121	106	89	81	118	115	110	91	27	3	0
1992	120	143	129	100	85	119	128	126	93	17	14	29
All Gear												
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	95	100	102	81	108	124	131	123	122	117	93	56
1991	136	146	137	130	114	167	245	242	135	79	55	45
1992	158	180	181	177	172	228	248	263	150	18	14	29

Table 27.--Continued.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
All Alaska												
Pots												
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	1	20	36	33	19	12	13	16	31	41	26	31
1991	46	63	115	91	3	4	12	11	11	26	35	40
1992	83	141	163	90	34	26	27	32	27	7	0	0
Longline												
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	75	69	141	625	1,049	806	116	224	205	69	73	61
1991	113	157	299	314	1,424	510	177	182	682	83	98	69
1992	192	275	384	295	888	1,271	253	163	592	471	47	34
Trawl												
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	81	77	80	81	88	70	72	68
1990	125	143	171	167	120	86	111	112	131	134	86	34
1991	187	199	206	163	93	145	148	135	117	78	4	0
1992	203	247	240	168	112	163	176	148	109	87	24	31
All Gear												
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	201	230	342	825	1,180	913	248	356	367	243	185	126
1991	346	417	615	559	1,520	657	333	326	807	187	137	111
1992	454	656	780	547	1,023	1,458	456	337	722	560	71	65

Note: Includes motherships, but does not include catcher boats delivering exclusively to motherships.

Source: National Marine Fisheries Service groundfish fish ticket, weekly processor, and blend estimates data bases, 7600 Sand Point Way N.E., BIN C15700, Seattle, WA 98115-0070.

Table 28.--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, 1986-92.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
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
1991	0	0	0	0	0	0	0	0	0	0	1	1
1992	1	0	0	0	0	1	0	2	0	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
1991	6	4	6	1	12	11	6	0	1	0	0	0
1992	19	14	16	3	22	21	13	13	19	14	1	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
1991	4	7	31	20	12	3	12	6	13	27	0	0
1992	7	12	28	22	18	0	17	14	0	16	9	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	22	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
1991	10	11	37	21	24	14	18	6	14	27	1	1
1992	27	26	44	25	40	22	30	29	19	30	10	0

Table 28.--Continued.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
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
1991	0	1	2	2	0	0	5	5	6	5	3	3
1992	0	0	0	0	10	11	13	15	12	0	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
1991	13	18	22	22	21	23	32	30	29	30	29	29
1992	28	27	40	43	46	39	48	54	40	0	0	0
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
1991	59	63	63	44	52	63	59	54	56	20	3	0
1992	59	65	55	49	45	58	48	57	27	17	14	19
All Gear												
1986	4	8	13	9	7	7	10	10	9	12	10	8
1987	18	24	18	12	11	15	19	20	20	16	14	12
1988	25	27	27	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
1991	72	82	87	68	73	86	95	89	91	55	35	32
1992	83	91	95	87	95	108	109	123	78	17	14	19

Table 28.--Continued.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
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	2	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
1991	0	1	2	2	0	0	5	5	6	5	3	3
1992	1	0	0	0	10	11	13	15	12	0	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
1991	17	20	23	23	25	28	32	30	30	30	29	29
1992	38	38	43	46	50	53	53	57	50	14	1	0
Trawl												
1986	5	7	12	12	7	6	10	12	13	14	13	12
1987	15	19	17	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
1991	60	64	66	56	53	63	63	60	63	35	3	0
1992	61	66	65	58	47	58	60	58	27	31	22	19
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
1991	75	85	91	81	78	91	99	95	99	70	35	32
1992	95	103	108	99	101	122	126	127	88	45	23	19

Table 28.--Continued.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
Number of Motherships Bering Sea/Aleutian Islands												
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
1991	10	12	10	8	8	7	7	6	6	1	0	0
1992	8	12	13	5	6	16	14	13	3	0	0	2
All Gear												
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
1991	10	12	11	8	8	7	8	6	6	1	0	0
1992	8	12	14	6	6	16	15	14	3	0	0	2
All Alaska												
Pots												
1990	0	0	0	0	0	0	1	1	1	0	0	0
1991	0	0	1	0	0	0	0	0	0	0	0	0
1992	1	3	3	1	1	1	1	1	0	0	0	0
Longline												
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
1991	0	0	0	1	2	1	2	1	0	0	0	0
1992	1	3	3	3	3	3	0	0	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	4	4	3	3	3	3	0	0	0
1990	4	5	5	5	5	6	7	7	7	5	5	1
1991	10	12	11	9	8	7	7	6	6	3	0	0
1992	10	13	16	5	6	16	14	13	3	1	0	2

Table 28.--Continued.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
Number of Motherships All Alaska												
All Gear												
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
1991	10	12	12	10	10	8	8	6	6	3	0	0
1992	10	14	19	8	9	19	15	14	3	1	0	2

Note: Catcher-processors and motherships that were not required to report weekly to NMFS are not included. The numbers excluded have decreased as reporting requirements have been expanded.

Source: National Marine Fisheries Service groundfish fish ticket, weekly processor, and blend estimates data bases, 7600 Sand Point Way N.E., BIN C15700, Seattle; WA 98115-0070.

Table 29.--Production of groundfish products in the fisheries off Alaska by species, 1990-92, quantity in metric tons, product weight and value in million dollars.

Species/ Product	1990		1991		1992	
	Quantity	Value	Quantity	Value	Quantity	Value
Pollock						
Whole	1,356	\$ 1.1	2,001	\$ 0.8	3,782	\$ 2.6
H & G	3,315	3.0	3,053	2.7	3,885	2.9
Fillets	74,879	171.4	72,164	214.6	42,320	111.2
Minced	13,553	15.8	10,742	16.8	14,811	15.8
Surimi	177,099	277.2	139,844	452.2	162,786	537.8
Roe	12,715	96.9	21,651	213.8	17,509	198.8
Fish meal	57,180	31.6	57,306	32.2	59,920	30.5
Other	4,318	<u>0.9</u>	7,214	<u>1.1</u>	8,339	<u>1.9</u>
Total		597.8		934.2		901.6
Pacific cod						
Whole	22,547	21.3	22,860	25.1	10,404	10.0
H & G	65,382	117.8	63,661	125.7	68,257	118.0
Fillets	16,827	60.4	18,329	91.4	14,941	66.0
Salted	10,387	35.7	11,241	43.1	4,659	16.1
Other	5,998	<u>10.5</u>	8,985	<u>10.8</u>	8,705	<u>11.7</u>
Total		245.4		296.1		221.8
Sablefish						
H & G	18,495	85.0	15,567	94.0	14,838	91.7
Other	222	<u>1.0</u>	571	<u>2.0</u>	267	<u>0.8</u>
Total		86.0		96.0		92.5
Flatfish						
Whole	11,870	17.1	34,436	27.4	30,585	21.2
H & G	19,295	38.9	28,407	64.6	33,813	55.4
Fillets	1,007	4.2	1,198	5.4	3,219	10.6
Kirimi	1,676	2.9	14,915	43.1	14,115	17.2
Other	85	<u>0.0</u>	1,676	<u>2.4</u>	2,036	<u>1.6</u>
Total		63.2		142.8		106.0
Rockfish						
Whole	917	2.0	4,647	6.4	2,439	3.1
H & G	22,595	51.8	8,364	16.1	14,591	31.8
Other	307	<u>0.8</u>	311	<u>0.4</u>	249	<u>0.5</u>
Total		54.5		22.8		35.5
Atka mackerel						
Whole	2,039	4.2	3,798	5.2	11,531	12.8
H & G	11,041	21.7	11,264	23.3	19,536	32.5
Other	5	<u>0.0</u>	245	<u>0.1</u>	977	<u>2.1</u>
Total		25.9		28.6		47.4
Total		\$1,072.8		\$1,520.4		\$1,404.8

Source: National Marine Fisheries Service, Alaska and Northwest Regions.

Table 30.--Production of groundfish products in the fisheries off Alaska by species, product, and area, 1990-92, in metric tons, product weight.

Species/ Product	1990			1991		
	Gulf	Bering Sea & Aleutians	Total	Gulf	Bering Sea & Aleutians	Total
Pollock						
Whole	898	458	1,356	1,607	394	2,001
H & G	3,117	198	3,315	398	2,655	3,053
Filletts	10,614	64,265	74,879	6,660	65,504	72,164
Minced	1,421	12,132	13,553	1,617	9,125	10,742
Surimi	4,170	172,930	177,099	7,936	131,907	139,844
Roe	109	12,606	12,715	303	21,348	21,651
Fish meal	322	56,858	57,180	2,197	55,109	57,306
Fish oil	(d)	(d)	3,080	(d)	(d)	4,623
Other	63	1,175	1,238	153	2,439	2,591
Pacific cod						
Whole	17,009	5,538	22,547	12,849	10,011	22,860
H & G	11,533	53,849	65,382	10,487	53,174	63,661
Filletts	6,676	10,151	16,827	8,629	9,700	18,329
Minced	313	879	1,192	1,437	1,323	2,760
Salted	2,248	8,138	10,387	2,020	9,221	11,241
Fish meal	0	188	188	326	2,901	3,227
Other	1,158	3,460	4,618	1,249	1,749	2,998
Sablefish						
H & G	15,700	2,795	18,495	13,573	1,994	15,567
Other	198	24	222	533	37	572
Flatfish						
Whole	5,097	6,773	11,870	4,726	29,648	34,375
H & G	2,331	16,963	19,295	2,309	25,834	28,143
Filletts	(d)	(d)	1,007	1,050	86	1,136
Kirimi	(d)	(d)	1,676	(d)	(d)	14,904
Other	1	84	85	7	1,669	1,675
Rockfish						
Whole	799	118	917	3,246	1,346	4,592
H & G	10,873	11,722	22,595	5,182	2,203	7,385
Other	272	34	307	39	226	266
Atka mackerel						
Whole	0	2,039	2,039	5	3,792	3,798
H & G	(d)	(d)	11,041	1,617	9,647	11,264
Other	0	4	5	0	245	245

(d)- Less than three firms in one area.

Source: National Marine Fisheries Service, Alaska Region.

Table 30.--Continued.

Species/ Product	1992		
	Gulf	Bering Sea & Aleutians	Total
Pollock			
Whole	1,337	2,446	3,782
H & G	775	3,110	3,885
Fillets	6,593	35,728	42,320
Minced	982	13,828	14,811
Surimi	7,857	154,929	162,786
Roe	281	17,228	17,509
Fish meal	1,090	58,830	59,920
Fish oil	(d)	(d)	5,465
Other	69	2,805	2,874
Pacific cod			
Whole	8,839	1,565	10,404
H & G	10,870	57,386	68,257
Fillets	7,008	7,933	14,941
Minced	1,038	1,617	2,655
Salted	1,377	3,282	4,659
Fish meal	445	2,154	2,599
Other	1,911	1,540	3,451
Sablefish			
H & G	13,648	1,190	14,838
Other	254	15	267
Flatfish			
Whole	3,159	27,426	30,585
H & G	2,433	31,380	33,813
Fillets	1,851	1,368	3,219
Kirimi	260	13,855	14,115
Fish meal	140	1,527	1,667
Other	47	322	369
Rockfish			
Whole	2,039	400	2,439
H & G	8,015	6,577	14,591
Other	232	16	249
Atka mackerel			
Whole	(d)	(d)	11,531
H & G	7,184	12,352	19,536
Other	0	977	977

(d) - Less than three firms in one area.

Source: National Marine Fisheries Service, Alaska Region.

Table 31.--Production of groundfish products in the fisheries off Alaska by species, product, and type of operation, 1990-92, in metric tons, product weight.

Species/ Product	1990			1991		
	At sea	Shoreside	Total	At sea	Shoreside	Total
Pollock						
Whole	429	927	1,356	671	1,329	2,001
H & G	3,034	281	3,315	3,006	47	3,053
Fillets	60,929	13,950	74,879	61,137	11,027	72,164
Minced	11,905	1,648	13,553	9,422	1,320	10,742
Surimi	136,495	40,604	177,099	88,470	51,374	139,844
Roe	11,182	1,533	12,715	18,862	2,790	21,651
Fish meal	40,132	17,048	57,180	35,577	21,729	57,306
Fish oil	302	2,778	3,080	(d)	(d)	4,623
Other	2	1,236	1,238	81	2,511	2,591
Pacific cod						
Whole	3,781	18,766	22,547	5,098	17,763	22,860
H & G	53,499	11,882	65,382	54,082	9,579	63,661
Fillets	9,423	7,404	16,827	9,898	8,431	18,329
Minced	926	265	1,192	1,248	1,513	2,760
Salted	(d)	(d)	10,387	1,919	9,323	11,241
Fish meal	97	91	188	2,033	1,194	3,227
Other	3,110	1,507	4,618	1,004	1,993	2,998
Sablefish						
H & G	7,185	11,309	18,495	3,273	12,294	15,567
Other	52	170	222	194	378	572
Flatfish						
Whole	9,562	2,309	11,870	31,875	2,500	34,375
H & G	18,988	306	19,295	27,958	185	28,143
Fillets	(d)	(d)	1,007	86	1,050	1,136
Kirimi	(d)	(d)	1,676	14,797	107	14,904
Other	5	81	85	699	976	1,675
Rockfish						
Whole	345	572	917	3,317	1,275	4,592
H & G	22,208	387	22,595	7,026	359	7,385
Other	264	41	307	2	264	266
Atka mackerel						
Whole	1,891	147	2,039	(d)	(d)	3,798
H & G	11,041	0	11,041	11,264	0	11,264
Other	0	4	5	245	0	245

Table 31.--Continued.

Species/ Product	1992		Total
	At sea	Shoreside	
Pollock			
Whole	1,773	2,009	3,782
H & G	3,251	634	3,885
Filletts	33,941	8,380	42,320
Minced	13,762	1,049	14,811
Surimi	91,472	71,314	162,786
Roe	12,943	4,567	17,509
Fish meal	32,278	27,642	59,920
Fish oil	(d)	(d)	5,465
Other		2,874	2,874
Pacific cod			
Whole	2,321	8,083	10,404
H & G	64,610	3,647	68,257
Filletts	7,496	7,444	14,941
Minced	1,459	1,196	2,655
Salted	(d)	(d)	4,659
Fish meal	1,561	1,038	2,599
Other	1,307	2,143	3,451
Sablefish			
H & G	3,662	11,176	14,838
Other	22	245	267
Flatfish			
Whole	30,043	543	30,585
H & G	33,192	622	33,813
Filletts	1,291	1,928	3,219
Kirimi	13,826	289	14,115
Fish meal	1,430	237	1,667
Other	34	335	369
Rockfish			
Whole	1,675	764	2,439
H & G	14,039	522	14,591
Other	177	72	249
Atka mackerel			
Whole	11,531	0	11,531
H & G	19,536	0	19,536
Other	955	22	977

(d) - Less than three firms in one type of operation.

Source: National Marine Fisheries Service, Alaska Region.

Table 32.--Annual wholesale prices of frozen fish blocks and fillets,
F.O.B. East Coast, 1976-92, 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
1991	229.6	82.0	137.0	123.7	251.0	314.2	224.0	123.5
1992	215.6	69.6	81.0	88.3	239.0	310.0	230.4	133.9

NA - Not available.

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

Table 33.--Monthly wholesale prices of selected frozen fish blocks and fillets, F.O.B. East Coast, 1990-92, in cents/lb.

Month	Blocks				Fillets			
	Cod	Minced cod	Alaska pollock	Whiting	Cod (Canada)	Cod (Iceland)	Flounder	Ocean perch
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
1991								
Jan.	242.5	69.0	112.5	119.0	265.0	310.0	NA	NA
Feb.	250.0	70.0	116.5	119.0	262.5	320.0	NA	NA
Mar.	252.5	70.0	142.5	123.5	262.5	320.0	TFQ	122.5
Apr.	247.5	80.0	157.5	135.0	262.5	320.0	TFQ	122.5
May	242.5	82.5	157.5	135.0	260.0	320.0	TFQ	122.5
Jun.	232.5	82.5	152.5	140.0	247.5	320.0	TFQ	125.0
Jul.	222.5	85.0	152.5	135.0	240.0	310.0	TFQ	125.0
Aug.	195.0	85.0	147.5	122.5	235.0	310.0	227.5	TFQ
Sep.	215.0	88.0	137.5	115.0	247.5	310.0	227.5	TFQ
Oct.	222.5	90.0	132.5	115.0	247.5	310.0	222.5	TFQ
Nov.	225.0	92.5	122.5	110.0	245.0	310.0	222.5	TFQ
Dec.	207.5	90.0	112.5	110.0	237.5	310.0	220.0	TFQ
1992								
Jan.	207.5	87.5	112.5	110.0	235.0	310.0	TFQ	TFQ
Feb.	205.0	82.5	87.5	87.5	232.5	310.0	TFQ	TFQ
Mar.	205.0	82.5	82.5	87.5	235.0	310.0	TFQ	TFQ
Apr.	210.0	77.5	77.5	NQ	240.0	310.0	TFQ	135.0
May	210.0	75.0	77.5	NQ	240.0	310.0	TFQ	135.0
Jun.	210.0	NQ	72.5	NQ	232.5	310.0	237.5	135.0
Jul.	225.0	61.0	72.5	82.5	237.5	310.0	237.5	135.0
Aug.	225.0	61.0	75.0	82.5	245.0	310.0	240.0	135.0
Sep.	225.0	61.0	76.5	82.5	247.5	310.0	240.0	135.0
Oct.	227.5	61.0	76.5	87.5	250.0	310.0	227.5	135.0
Nov.	222.5	61.0	80.5	87.5	237.5	310.0	225.0	130.0
Dec.	217.5	56.0	80.5	87.5	235.0	310.0	205.0	130.0

NQ - No quote. TFQ - Too few quotes. NA - Not available.

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

Table 34.--Monthly producer: prices for domestic Alaska pollock and Pacific cod products, F.O.B. Seattle, 1987-92, in cents/lb.¹

Month	Alaska pollock					Pacific cod		
	Blocks			Fillets		Fillets, shatter ³		
	16.5 lb	55 lb	Minced	Shatter	IQF ²	Blocks	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 34.--Continued.

Month	Alaska pollock					Pacific cod		
	Blocks		Minced	Fillets		Blocks	Fillets, shatter ³	
	16.5 lb	55 lb		Shatter	IQF ²		8-16 oz	16-32 oz
1990								
Jan.	98	--	54	108	120	--	190	189
Feb.	100	--	54	108	125	--	192	190
Mar.	100	--	--	108	130	--	193	191
Apr.	98	--	58	108	129	--	196	199
May	100	--	60	114	130	185	202	204
Jun.	95	--	62	120	124	205	220	224
Jul.	108	--	62	128	143	--	232	240
Aug.	107	--	58	145	158	210	246	253
Sep.	110	--	--	160	165	210	265	268
Oct.	109	--	64	170	175	208	275	280
Nov.	115	--	64	174	178	208	274	280
Dec.	120	--	62	180	180	--	280	282
1991								
Jan.	127	--	64	180	182	218	280	282
Feb.	135	--	67	180	205	238	281	285
Mar.	158	--	80	188	198	240	281	285
Apr.	168	--	84	200	192	242	280	282
May	170	--	85	198	184	235	275	278
Jun.	169	--	88	198	180	230	271	275
Jul.	161	--	86	182	172	220	269	271
Aug.	162	--	89	173	172	200	259	262
Sep.	151	--	--	175	172	220	255	258
Oct.	135	--	88	175	175	215	259	270
Nov.	132	--	88	178	178	215	256	275
Dec.	129	--	90	190	168	215	260	269
1992								
Jan.	105	--	90	190	155	215	255	260
Feb.	92	--	80	180	150	215	250	255
Mar.	92	--	65	180	150	215	260	265
Apr.	94	--	65	180	150	215	270	280
May	82	--	52	180	178	205	270	278
Jun.	85	--	50	180	175	205	260	268
Jul.	92	--	55	175	178	205	260	258
Aug.	95	--	55	172	178	215	260	258
Sep.	108	--	52	168	178	225	255	264
Oct.	105	--	52	168	178	225	262	262
Nov.	105	--	52	162	175	225	260	262
Dec.	105	--	52	162	175	225	260	262

¹ Mid-point of highs and lows for the month.

² Individually quick frozen.

³ Shatter pack.

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

Table 35.--Monthly Japanese landing market price of selected groundfish by species, 1983-92, in yen/kilogram (weighted average).

Species	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
1991	695	840	785	640	548	598	684	699	535	737	752	688
1992	739	799	749	687	567	558	605	584	556	587	600	570
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
1991	296	279	216	148	124	137	136	128	173	261	398	366
1992	332	316	180	164	128	119	135	134	175	221	366	299
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
1991	331	290	307	325	312	342	--	332	391	410	456	440
1992	369	324	281	251	264	270	298	322	339	348	315	163
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
1991	150	172	168	108	81	87	91	111	89	115	135	146
1992	144	201	132	68	35	33	59	64	51	57	64	74

Table 35.--Continued.

Species	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
Atka mackerel, fresh												
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
1991	65	93	111	90	101	120	168	143	93	79	80	57
1992	47	36	65	85	88	91	136	95	87	94	84	48
Rockfish, fresh												
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
1991	2328	2054	2074	1937	2035	2145	2553	2328	2003	2320	2513	2630
1992	2992	2653	3281	2204	1951	2174	2383	2307	1786	2177	2808	2613

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 36.--Monthly Tokyo wholesale prices of-selected products, 1983-92, in yen/kilogram (weighted average).

Year	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
1991	449	512	572	570	520	541	565	573	509	543	482	485
1992	499	486	517	511	530	491	423	433	499	437	460	413
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
1991	702	681	694	704	737	694	764	771	780	800	721	742
1992	798	741	774	770	764	741	750	726	734	665	658	647
Kneaded product (surimi)												
1988	435	418	424	425	419	417	412	399	397	401	403	494
1989	417	401	403	416	422	422	414	420	410	411	397	551
1990	427	440	442	442	444	450	450	460	464	456	457	618
1991	476	472	481	488	507	524	522	520	521	526	518	682
1992	538	544	566	560	573	564	568	559	546	542	543	713

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.

Table 37.--Monthly Tokyo wholesale prices of sablefish by size, and sea-processed and shore-processed surimi, 1990-92, in \$/lb, product weight.

Month	Sablefish			Surimi	
	5-7 lb	4-5 lb	3-4 lb	Sea-proc.	Shore-proc.*
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
1991					
Jan.	4.20	3.98	--	1.40	.94
Feb.	5.30	5.20	--	NA	NA
Mar.	5.26	5.10	--	NA	NA
Apr.	4.90	4.81	--	NA	NA
May	4.08	3.99	--	NA	NA
Jun.	3.84	3.74	--	NA	NA
Jul.	3.57	3.37	--	NA	NA
Aug.	3.98	3.78	--	NA	NA
Sep.	4.25	4.08	--	NA	NA
Oct.	4.90	4.72	--	NA	NA
Nov.	4.97	4.80	--	NA	NA
Dec.	4.84	4.66	--	NA	NA
1992					
Jan.	4.86	4.68	--	NA	NA
Feb.	4.82	4.68	--	NA	NA
Mar.	4.33	4.16	--	NA	NA
Apr.	4.14	3.94	--	NA	NA
May	4.04	3.79	--	NA	NA
Jun.	4.04	3.82	--	NA	NA
Jul.	4.02	3.78	--	NA	NA
Aug.	4.02	3.78	--	NA	NA
Sep.	3.82	3.52	--	NA	NA
Oct.	3.84	3.50	--	NA	NA
Nov.	3.83	3.36	--	NA	NA
Dec.	3.44	3.34	--	NA	NA

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 38.--Annual exports of groundfish from Alaska and Washington customs districts, quantity (1,000 lbs), value (\$1,000), and average price (\$/lb), 1987-92.

Product	Quantity	Value	Average price
Whole or dressed			
Cod			
1989	40,546	39,614	0.98
1990	159,216	114,275	.72
1991	175,900	142,151	.81
1992	123,453	92,042	.75
Flounders and soles			
1989	31,559	43,911	1.39
1990	51,229	36,009	.70
1991	159,217	104,130	.65
1992	120,542	67,530	.56
Pollock			
1987	4,647	3,353	.72
1988	3,578	3,350	.94
1989	8,127	4,392	.54
1990	3,313	2,448	.74
1991	465	245	.53
1992	2,333	1,285	.55
Sablefish			
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
1991	38,252	91,517	2.39
1992	31,252	74,300	2.38
Total whole or dressed			
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
1991	480,095	437,898	.91
1992	485,815	391,429	.81
Filletts and steaks			
Cod			
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
1991	2,203	2,579	1.17
1992	3,119	3,087	.99
Halibut			
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
1991	514	1,233	2.40
1992	1,163	2,106	1.81

Table 38.--Continued.

Product	Quantity	Value	Average price
Other			
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
1991	25,336	27,063	1.07
1992	13,863	16,223	1.17
Total fillets and steaks			
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
1991	28,053	30,875	1.10
1992	18,145	21,416	1.18
Other			
Fish roe, excluding herring and salmon			
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
1991	50,184	190,264	3.79
1992	45,855	199,447	4.35
Fish, dried, salted, smoked			
1987	3,521	4,487	1.27
1988	7,814	11,093	1.42
1989	13,613	15,927	1.17
1990	11,795	14,948	1.27
1991	14,986	22,323	1.49
1992	1,895	5,006	2.64
Fish, other			
1987	6,529	5,629	.86
1988	46,447	40,621	.87
1989	156,671	141,723	.90
1990	340,348	257,139	.76
1991	285,882	379,922	1.33
1992	327,940	476,219	1.45

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 39.--Exports of groundfish from Alaska and Washington customs districts to major countries, quantity (1,000 lbs), percent change from 1991 to 1992, and average price (\$/lb), 1991-92.

Product/Country	Quantity		% Change 91 to 92	Average price	
	1991	1992		1991	1992
Whole or dressed					
Cod					
Total	175,900	123,453	-30	0.81	0.75
Japan	69,748	59,187	-15	.92	.82
Rep. of Korea	36,294	25,287	-30	.57	.55
Portugal	13,536	18,819	+39	.80	.75
Norway	29,194	2,389	-92	.87	.72
Flounders and soles					
Total	150,337	120,542	-20	.62	.56
Japan	103,145	52,503	-49	.74	.65
Rep. of Korea	34,028	45,876	+35	.33	.39
Sablefish					
Total	38,252	31,252	-18	2.39	2.38
Japan	37,228	30,039	-19	2.42	2.43
Total	480,095	488,815	+1	.91	.81
Japan	282,796	292,305	+3	1.06	.95
Rep. of Korea	93,986	126,234	+34	.51	.48
Portugal	13,728	18,832	+37	.80	.75
United Kingdom	14,168	14,334	+1	.80	.73
Filletts					
Total	28,053	18,145	-35	1.10	1.18
Canada	4,300	5,652	+31	1.81	1.43
France	3,446	3,624	+5	1.11	1.43
Japan	2,861	3,345	+17	1.19	1.07
Roe					
Total	50,184	45,855	-9	3.79	4.35
Japan	41,920	41,048	-2	3.80	4.33
Rep. of Korea	7,651	4,049	-47	3.49	4.26
Salted, dried, or smoked					
Total	14,986	1,895	-87	1.49	2.64
Portugal	11,381	1,475	-87	1.52	2.09
Other					
Total	285,882	327,940	+15	1.33	1.45
Japan	216,115	276,853	+28	1.34	1.50
Rep. of Korea	48,345	35,339	-27	1.29	1.18
Canada	8,225	8,427	+2	1.59	1.50

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 40.--U.S. imports of groundfish fillets, steaks, and blocks, 1976-92, quantity in million lbs, product weight and value in million dollars.

Year	Fillets and steaks		Blocks		Total	
	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	264	373	526	856
1991	255	526	290	444	545	970
1992	221	437	229	304	450	741

Source: U.S. Dep. Commer., Bur. of the Census, Washington, D.C. 20233; and Fisheries of the United States, Natl. Mar. Fish. Serv., Fish. Stat. Div., 1335 East-West Highway, Silver Spring, MD 20910, various issues.

Table 41. --U.S. per capita consumption of fish and shellfish, 1970-92, 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	225.6	7.9	4.3	.3	12.5
1981	227.8	7.8	4.6	.3	12.7
1982	230.0	7.9	4.3	.3	12.5
1983	232.1	8.4	4.7	.3	13.4
1984	234.1	9.0	4.9	.3	14.2
1985	236.2	9.8	5.0	.3	15.1
1986	238.4	9.8	5.4	.3	15.5
1987	240.6	10.7	5.2	.3	16.2
1988	242.8	10.0	4.9	.3	15.2
1989	245.1	10.2	5.1	.3	15.6
1990	247.8	9.6	5.1	.3	15.0
1991	250.5	9.7	4.9	.3	14.9
1992	253.5	9.9	4.6	.3	14.8

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 July 1 of each year. Population estimates for 1980-91 were revised to reflect changes from the 1990 decennial population enumeration. Changes did not significantly alter pounds consumed per capita.

Source: Fisheries of the United States, 1992. Natl. Mar. Fish. Serv., Fish. Stat. Div., 1335 East-West Highway, Silver Spring, MD 20910, CFS No. 9200, May 1993.

Table 42.--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, 1980-92.

Year	Fillets and steaks ¹		Fish sticks and portions	
	Total	Per capita ²	Total	Per capita ²
1980	535,361	2.35	442,892	1.95
1981	555,378	2.41	414,149	1.80
1982	573,436	2.47	400,455	1.72
1983	637,900	2.72	413,858	1.77
1984	703,075	2.98	430,895	1.82
1985	768,128	3.22	419,547	1.76
1986	787,106	3.27	431,511	1.79
1987	849,724	3.50	419,250	1.73
1988	767,938	3.13	365,415	1.49
1989	757,958	3.06	376,384	1.52
1990	892,125	3.57	315,161	1.26
1991	806,288	3.19	256,049	1.01
1992 ³	726,689	2.84	264,417	1.03

¹Series revised in 1993 to reflect deduction of fillet production used to produce blocks, exports of foreign fillets and steaks, and changes in population estimates from 1990 decennial population enumeration.

²Total divided by total U.S. population.

³Preliminary.

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

Table 43.--Annual U.S. economic indicators: Selected producer and consumer price indexes, 1976-92.

Year	Producer price index (Index 1982=100)					Consumer price index (Index 1982-84=100)			
	All items	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
1991	116.5	113.3	109.8	155.7	67.0	136.2	133.1	131.5	148.3
1992	117.1	106.5	109.2	155.6	64.6	140.3	130.6	131.5	151.8

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

Table 44.--Monthly U.S. economic indicators: Selected producer and consumer price indexes, 1990-92.

Month	Producer price index (Index 1982-100)					Consumer price index (Index 1982-84-100)			
	All items	Meat	Poultry	Fish	Petrl. products	All items	Meat	Poultry	Fish
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
1991									
Jan.	118.9	117.3	108.0	166.7	78.9	134.6	133.5	131.3	151.1
Feb.	117.2	117.0	106.6	166.9	71.5	134.8	132.8	132.7	148.7
Mar.	116.1	117.6	108.0	168.0	64.0	135.0	133.1	131.4	149.6
Apr.	116.0	117.4	108.7	162.6	63.6	135.2	132.7	131.1	148.2
May	116.5	118.0	111.6	165.1	66.4	135.6	133.4	132.7	147.0
Jun.	116.3	117.4	111.8	146.4	65.5	136.0	133.5	131.5	146.7
Jul.	116.0	116.1	113.3	146.6	63.3	136.2	133.1	132.5	146.1
Aug.	116.2	111.2	113.5	139.5	66.4	136.6	132.9	132.4	145.2
Sep.	116.0	108.1	112.8	142.0	67.0	137.2	131.9	131.0	147.8
Oct.	116.4	108.7	111.2	153.1	66.1	137.4	131.3	131.0	149.4
Nov.	116.4	105.9	106.8	155.3	67.9	137.8	131.5	129.3	149.3
Dec.	115.9	104.8	105.5	156.3	63.4	137.9	130.8	130.2	150.4
1992									
Jan.	115.6	103.8	105.5	160.2	58.3	138.1	130.0	132.1	154.6
Feb.	116.1	105.8	104.8	167.2	60.4	138.6	130.3	128.1	151.0
Mar.	116.1	106.5	106.9	168.5	59.2	139.3	131.1	128.2	152.6
Apr.	116.3	107.1	107.4	176.5	61.2	139.5	130.2	129.2	153.5
May	117.1	108.9	109.3	153.6	66.2	139.7	130.3	129.1	151.6
Jun.	117.8	107.2	110.3	158.9	69.7	140.2	131.0	130.7	149.1
Jul.	117.8	106.5	109.8	156.5	68.1	140.5	130.0	132.1	150.4
Aug.	117.6	106.0	112.0	148.1	66.5	140.9	130.6	133.7	151.6
Sep.	117.8	106.0	111.8	149.8	68.3	141.3	130.9	134.0	152.1
Oct.	118.1	106.1	111.8	140.4	68.5	141.8	131.1	133.3	151.4
Nov.	117.1	105.3	111.3	139.6	67.0	142.0	131.2	133.6	151.2
Dec.	117.6	108.4	109.2	147.5	61.9	141.9	131.1	133.7	152.0

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

Table 45.--Annual foreign exchange rates for selected countries, 1976-92,
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
1991	1.1457	6.3960	134.71	733.35	1.7265	58.996	6.4829	.5652
1992	1.2087	6.0360	126.65	780.65	1.8580	57.546	6.2145	.5664

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

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

Table 46.--Monthly foreign exchange rates for selected countries, 1990-92,
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)
1990								
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
1991								
Jan.	1.156	5.82	133.9	718.1	1.680	55.22	5.91	.517
Feb.	1.155	5.69	130.5	721.6	1.661	54.27	5.77	.509
Mar.	1.157	6.12	137.2	725.1	1.681	57.40	6.22	.546
Apr.	1.153	6.51	134.1	725.5	1.696	59.83	6.62	.571
May	1.150	6.56	138.0	725.1	1.704	60.27	6.68	.579
Jun.	1.144	6.88	139.8	725.4	1.733	62.25	6.96	.607
Jul.	1.149	6.92	138.0	729.0	1.762	62.39	6.98	.607
Aug.	1.145	6.75	138.9	731.1	1.742	61.31	6.82	.594
Sep.	1.137	6.56	134.6	739.7	1.724	60.04	6.64	.580
Oct.	1.128	6.53	130.7	749.2	1.771	59.78	6.62	.581
Nov.	1.130	6.31	129.7	753.1	1.775	58.27	6.38	.563
Dec.	1.146	6.10	128.1	757.3	1.806	56.94	6.18	.548
1992								
Jan.	1.156	6.12	125.1	762.7	1.847	57.14	6.20	.552
Feb.	1.182	6.28	127.5	765.7	1.846	58.21	6.35	.563
Mar.	1.193	6.45	132.7	771.1	1.824	59.57	6.52	.589
Apr.	1.187	6.38	133.5	778.3	1.844	59.09	6.45	.569
May	1.199	6.26	130.6	782.8	1.867	58.15	6.32	.552
Jun.	1.196	6.06	126.8	789.1	1.844	58.89	6.16	.540
Jul.	1.192	5.74	125.6	787.2	1.830	54.68	5.86	.521
Aug.	1.191	5.60	126.3	789.2	1.849	53.75	5.72	.516
Sep.	1.222	5.61	122.7	785.6	1.848	54.24	5.79	.538
Oct.	1.245	5.71	121.0	783.6	1.996	55.92	6.04	.603
Nov.	1.268	6.11	123.9	784.0	1.919	60.45	6.47	.655
Dec.	1.273	6.12	124.0	788.6	1.936	62.86	6.68	.644

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

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

Table 47.--Monthly U.S. cold storage holdings of selected groundfish blocks, 1990-92, in 1,000 lbs (end of month).

Month	Cod	Flounder	Alaska pollock	Whiting	Minced	Total*
1990						
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
1991						
Jan.	7,747	1,742	7,562	3,350	8,022	35,716
Feb.	7,517	1,395	8,169	2,728	5,470	32,605
Mar.	5,516	1,132	6,546	2,251	4,158	25,461
Apr.	5,629	800	5,342	1,574	4,771	23,046
May	9,596	682	4,819	4,128	5,214	29,891
Jun.	11,484	542	4,660	5,141	5,637	33,192
Jul.	11,631	516	7,145	5,884	7,522	39,242
Aug.	8,689	661	10,776	6,500	8,043	42,974
Sep.	9,055	786	12,803	8,958	9,791	51,234
Oct.	9,999	729	12,683	6,677	11,435	52,070
Nov.	13,119	872	12,400	6,613	16,172	61,509
Dec.	13,413	668	14,343	6,333	16,144	63,898
1992						
Jan.	12,584	667	12,706	5,251	17,335	59,786
Feb.	10,094	459	10,406	5,343	19,187	56,447
Mar.	6,911	335	9,465	5,059	13,822	47,137
Apr.	5,959	515	7,476	3,496	12,557	43,443
May	6,931	138	5,994	4,975	10,592	41,757
Jun.	6,941	467	5,787	4,604	10,622	41,134
Jul.	9,017	582	8,915	3,582	10,358	48,926
Aug.	8,738	548	8,778	3,933	11,167	48,624
Sep.	9,584	670	12,698	3,502	9,514	49,036
Oct.	11,193	797	14,710	3,398	10,086	53,007
Nov.	12,660	895	13,629	6,396	9,554	56,390
Dec.	14,145	1,209	13,998	4,057	10,842	59,468

Notes: * - Total includes other species not listed..

Source: Natl. Mar. Fish. Serv., Fish. Stat. Div., Silver Spring, MD 20910.

Table 48.--Monthly U.S. cold storage holdings of selected groundfish fillets, 1990-92, in 1,000 lbs (end of month).

Month	Cod	Flounder	Ocean perch	Pollock	Whiting	Total*
1990						
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
1991						
Jan.	8,667	9,568	4,259	10,388	3,785	38,739
Feb.	9,596	6,757	3,468	10,982	2,809	35,543
Mar.	10,245	5,347	2,664	10,845	3,092	34,132
Apr.	16,393	5,036	2,786	10,258	2,923	38,985
May	24,208	5,239	2,899	10,815	2,599	47,730
Jun.	25,536	5,176	3,265	11,045	2,695	50,096
Jul.	27,030	5,311	3,306	18,785	3,915	61,100
Aug.	28,488	5,741	2,628	17,185	2,866	60,604
Sep.	23,604	7,417	2,497	17,995	2,585	57,613
Oct.	21,919	7,123	2,812	19,128	2,778	58,033
Nov.	22,727	7,583	3,307	18,686	3,014	60,010
Dec.	22,121	7,467	3,444	16,293	3,252	57,336
1992						
Jan.	23,561	7,084	3,362	20,505	2,814	61,396
Feb.	20,504	6,017	3,115	20,251	2,464	56,272
Mar.	21,432	5,312	2,867	18,304	2,213	52,977
Apr.	23,518	4,475	3,499	17,623	1,899	54,218
May	23,434	3,785	3,656	16,758	2,237	53,315
Jun.	20,662	4,388	3,466	13,817	2,648	48,617
Jul.	20,882	6,202	3,602	16,312	2,951	54,137
Aug.	19,808	8,200	3,441	18,276	3,553	56,757
Sep.	17,764	9,633	3,580	16,735	3,339	54,666
Oct.	16,876	9,762	3,240	14,130	2,574	50,541
Nov.	17,904	10,133	2,706	17,178	2,796	54,370
Dec.	17,045	10,159	2,574	17,068	3,061	54,063

Notes: * -Total includes other species not listed.

Source: Natl. Mar. Fish. Serv., Fish. Stat. Div., Silver Spring MD 20910.

Table 49.--Monthly West Coast cold storage holdings of selected groundfish products, 1990-92, in 1,000 lbs (end of month).

Month	Alaska pollock blocks	Fillets		Sablefish	Surimi	Analog products
		Cod	Pollock			
1990						
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
1991						
Jan.	62	1,117	6,185	158	16,004	4,242
Feb.	100	1,603	5,425	13	19,691	5,124
Mar.	115	2,931	4,724	134	20,630	5,703
Apr.	141	5,308	4,519	1,076	18,900	6,320
May	264	8,299	3,809	2,468	16,126	6,541
Jun.	155	8,261	3,693	2,073	16,669	5,667
Jul.	476	7,746	9,813	984	18,131	4,623
Aug.	653	7,248	9,813	729	19,382	3,912
Sep.	1,064	6,331	9,263	1,023	19,238	4,229
Oct.	1,011	4,739	10,660	416	19,184	3,849
Nov.	1,215	3,596	8,994	317	18,043	3,613
Dec.	1,051	2,854	7,241	251	15,601	2,931
1992						
Jan.	2,325	4,376	12,113	161	12,287	3,133
Feb.	1,079	3,009	12,518	124	13,936	3,460
Mar.	1,102	5,124	12,014	695	17,085	3,847
Apr.	1,004	8,295	10,474	901	17,657	3,843
May	645	7,729	8,396	3,527	22,185	3,473
Jun.	484	6,332	6,575	3,013	21,903	6,698
Jul.	431	5,394	7,556	2,578	22,417	3,888
Aug.	910	5,009	10,520	2,454	27,940	6,830
Sep.	909	4,150	9,560	2,948	31,843	6,967
Oct.	2,328	4,583	6,602	2,384	35,735	6,475
Nov.	1,422	5,101	9,745	2,106	30,661	4,889
Dec.	1,144	3,943	9,406	1,548	27,203	6,832

Notes: Includes domestic and foreign products.

Source: Natl. Mar. Fish. Serv., Fish. Stat. Div., Silver Spring, MD 20910.