

STOCK ASSESSMENT AND FISHERY EVALUATION REPORT FOR THE  
GROUND FISH FISHERIES OF THE GULF OF ALASKA AND BERING  
SEA/ALEUTIAN ISLANDS AREA:

ECONOMIC STATUS OF THE GROUND FISH FISHERIES OFF ALASKA, 2011

by

Ben Fissel, Michael Dalton, Ron Felthoven, Brian Garber-Yonts, Alan Haynie, Amber  
Himes-Cornell, Stephen Kasperski, Jean Lee, Dan Lew, Lisa Pfeiffer, Jennifer Sepez, Chang  
Seung.

Economic and Social Sciences Research Program  
Resource Ecology and Fisheries Management Division  
Alaska Fisheries Science Center  
National Marine Fisheries Service  
National Oceanic and Atmospheric Administration  
7600 Sand Point Way N.E.  
Seattle, Washington 98115-6349

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The authors of the Groundfish SAFE Economic Status Report invite users to provide feedback regarding the quality and usefulness of the Report and recommendations for improvement. AFSC's Economic and Social Sciences Research Program staff have begun an initiative to revise the SAFE Economic Status Reports for Alaska Groundfish and BSAI Crab to incorporate additional analytical content and synthesis, improve online accessibility of public data in electronic formats, and otherwise improve the utility of the reports to users. We welcome any and all comments and suggestions for improvements to the SAFE Economic Status Reports, and have developed an online survey to facilitate user feedback. The survey is available at:  
[http://www.afsc.noaa.gov/REFM/Socioeconomics/Contact/SAFE\\_survey.php](http://www.afsc.noaa.gov/REFM/Socioeconomics/Contact/SAFE_survey.php)

This report will be available at:  
<http://www.afsc.noaa.gov/refm/docs/2011/economic.pdf>

Time series of data for the tables presented in this report (in CSV format) are available at:  
<http://www.afsc.noaa.gov/REFM/Socioeconomics/documents.php>

For additional information concerning this report contact:

Ben Fissel  
Resource Ecology and Fisheries Management Division  
Alaska Fisheries Science Center  
7600 Sand Point Way N.E.  
Seattle, Washington 98115-6349  
(206) 526-4226  
[ben.fissel@noaa.gov](mailto:ben.fissel@noaa.gov)

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Dear Reader,

The Economic and Social Sciences Research Program is currently in the process of transitioning the SAFE over to a new format for producing this Economic Status Report of the Groundfish Fisheries off Alaska. The new document production process will make publishing more, timely, efficient and transparent in future years. As we make this transition some minor formatting issues may remain in this current draft of the economic tables that we prepared preliminarily for the initial Groundfish Plan Team meeting. As we complete other sections and improve the formatting over the coming months we will periodically make the updated draft available. Updates to this SAFE will be completed prior to the Fall Groundfish Plan Team meeting. We are aware of the formatting problems but we have found the data and material in these tables clear despite these minor issues. Please contact us with any questions or clarification.

Thank you,

Alaska Fisheries Science Center, Economics and Social Sciences Research Program

## 1. INTRODUCTION

The domestic groundfish fishery off Alaska is an important segment of the U.S. fishing industry. With a total catch of 2.07 million metric tons (t), a retained catch of 1.99 million t, and an ex-vessel value of \$991 million in 2011, it accounted for 55.4% of the weight and 21.9% of the ex-vessel value of total U.S. domestic landings as reported in Fisheries of the United States, 2010 (FUS 2011 was not yet available at the time of this draft). The value of the 2011 groundfish catch after primary processing was \$2,520 million (F.O.B. Alaska).

All but a small part of the commercial groundfish catch off Alaska occurs in the groundfish fisheries managed by the National Marine Fisheries Service (NMFS) under the Fishery Management Plans (FMP) for the Gulf of Alaska (GOA) and the Bering Sea/Aleutian Islands area (BSAI) groundfish fisheries. In 2011, other fisheries accounted for only about 24,000 t of the catch reported above. The footnotes for each table indicate if the estimates provided in that table are only for the fisheries with catch that is counted against a federal Total Allowable Catch (TAC) quota (i.e., managed under a federal FMP) or if they also include other Alaska groundfish fisheries. The reader should keep in mind that the distinction between catch managed under a federal FMP and catch managed by the state of Alaska is not merely a geographical distinction between catch occurring outside the 3-mile limit (in the U.S. Exclusive Economic Zone, or EEZ) and catch occurring inside the 3-mile limit (Alaska state waters); the state of Alaska maintains authority over some rockfish fisheries in the EEZ of the GOA, for example, and federal FMPs often manage catch from inside state waters in addition to catch from the EEZ. The reader should also be aware that it is not always possible, depending on the data source(s) from which a particular estimate is derived, to definitively identify a unit of catch (or the price, revenue or other measure associated with a unit of catch) as being part of a federal FMP or otherwise. For Catch-Accounting System data from the NMFS Alaska Regional Office (AKR), for example, distinguishing between the two categories is relatively easy, but the distinction is at best approximate for Alaska Department of Fish & Game (ADF&G) fish ticket data and essentially impossible for Commercial Operator's Annual Report (COAR) data. Finally, even for catch that can be positively identified as being part of a federal TAC, it's not always possible to identify what portion of that catch might have come from inside Alaska state waters and what portion came from the federal EEZ. Because of these multiple layers of ambiguity, therefore there may be tables in which, the reader should not construe phrases such as "groundfish fisheries off Alaska" or "Alaska groundfish", as used in this report, to precisely include or exclude any category of state or federally managed fishery or to refer to any specific geographic area; these and similar phrases could be taken to mean groundfish from both Alaska state waters and the federal EEZ off Alaska, or groundfish managed only under federal FMPs or managed by both NMFS and the state of Alaska. Again, refer to the notes for each table for a description of what is meant to be included in the estimates provided in that table.

The fishery management and development policies for the BSAI and GOA groundfish fisheries have resulted in high levels of catch, ex-vessel value (i.e., vessel revenue), processed product value (i.e., processor revenue), exports, employment, and other measures of economic activity. However, the cost or quota-revenue data required to estimate the success of these policies with respect to net benefits to either the participants in these fisheries or the Nation are not available for a

majority of the fisheries. The continued existence of a race for fish as a mechanism for allocating many of the groundfish quotas and PSC limits among competing fishing operations has adversely affected at least some aspects of the economic performance of the fisheries. The individual fishing quota (IFQ) program for the fixed gear sablefish fishery, the Western Alaska Community Development Quota (CDQ) program for BSAI groundfish, and the American Fisheries Act (AFA) cooperatives for the BSAI pollock fishery have demonstrated that eliminating the race for fish as the allocation mechanism and replacing it with an historic catch-share-based allocation mechanism can decrease harvesting and processing costs, increase the value of the groundfish catch, and, in some cases, decrease the cost of providing more protection for target species, non-target species, marine mammals, and seabirds. It is anticipated that the recent rationalization programs instituted in the BSAI crab fisheries, the factory trawler head-and-gut fleet, and the central GOA rockfish fleet will generate many of the same benefits.

This report presents the economic status of groundfish fisheries off Alaska in terms of economic activity and outputs using estimates of catch, PSC, ex-vessel prices and value (i.e., revenue), the size and level of activity of the groundfish fleet, and the weight and gross value of (i.e., F.O.B. Alaska revenue from) processed products. The catch, ex-vessel value, and fleet size and activity data are for the fishing industry activities that are reflected in Weekly Production Reports, Observer Reports, fish tickets, and the Commercial Operators' Annual Reports. All catch data reported for 1991-2002 are based on the blend estimates of total catch, which were used by the NMFS Alaska Regional Office (AKR) to monitor groundfish and PSC quotas in those years. Catch data for 2003-2011 come from the AKR's catch-accounting system (CAS), which replaces the blend as the primary tool for monitoring groundfish and PSC quotas. We would like to point out that the data descriptions, qualifications, and limitations noted in the overview of the fisheries, market reports and the footnotes to the tables are absolutely critical to understanding the information contained in this report.

A variety of external factors influence the economic status of the fisheries. Therefore, links to information concerning the following external factors are included in this report (see External Factors, page 11): foreign exchange rates, the prices and price indices of products that compete with products from these fisheries, Producer Price Indices, fishery imports, and estimates of per-capita consumption of fisheries products. This report updates last year's report (Hiatt et al. 2010) and is intended to serve as a reference document for those involved in making decisions with respect to conservation, management, and use of GOA and BSAI fishery resources.

Following up on last year, a relatively new section examines the economic performance in groundfish fisheries off Alaska through economic indices. Changes in value, price, and quantity, across species, product and gear types are represented in aggregate indices, allowing for a concise visual display of the relative performance across different sectors of the North Pacific fisheries. These are plotted to allow for a concise visual displays of relative performance across different sectors of the North Pacific fisheries.

Another component of this report is a set of market profiles for pollock, Pacific cod, sablefish, and flatfish (yellowfin and rock sole, and arrowtooth flounder). The goal of these profiles is to discuss and, where possible, explain the market trends observed in pricing, volume, supply, and demand for each of these groundfish species.

Specifically, the market reports provide information on the relatively recent trends in the prices and product choices for first-wholesale production of a given species, and the volumes and prices

of exports, as well as changes in the volume of exports to different trading partners. For example, some groundfish caught off Alaska have a large share of the world market and observed changes may be tied to changes in the Alaskan supply (TAC), while in other cases the Alaskan share for that product may be relatively low and changes in the market could be driven by other countries' actions. Changes in consumer demand or the emergence of substitute products can also drive the market for a product or species. Thus, these reports discuss the way in which the particular species or product fits into the world market and how this fit is changing over time (e.g., the market share for the Alaska product may be growing or declining).

One fact that becomes evident when reading these profiles is that the type of information available for explaining the historical trends in a market varies greatly by species. Generally speaking, the amount of information available for each species is related to its value or market share, and as a result, some species have been more adequately assessed in this report.

There is considerable uncertainty concerning the future conditions of stocks, the resulting quotas, and future changes to the fishery management regimes for the BSAI and GOA groundfish fisheries. The management tools used 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 fishery. Changes in fishery management measures are expected as the result of continued concerns with: 1) the catch of prohibited species; 2) the discard and utilization of groundfish catch; 3) the effects of the groundfish fisheries on marine mammals and sea birds; 4) other effects of the groundfish fisheries on the ecosystem and habitat; 5) excess harvesting and processing capacity; and 6) the allocations of groundfish quotas among user groups.

## 2. OVERVIEW OF FEDERALLY MANAGED FISHERIES OFF ALASKA, 2011

The commercial groundfish catch off Alaska totaled 2.07 million t in 2011. This amount was up about 26% from the 2010 catch (Fig. 1 and Table 1) , and nearly five times larger than the catch off Alaska of all other commercial species combined (Table 1A) . The real ex-vessel value of the catch, including the imputed value of fish caught almost exclusively by catcher/processors, increased from \$1690.4 million in 2010 to \$2040.3 million in 2011 (Fig. 3 and Table 16) . The gross value of the 2011 catch after primary processing was approximately \$2.52 billion (F.O.B. Alaska) (Table 25) , an increase of 29.3% from 2010. The groundfish fisheries accounted for the largest share (49%) of the ex-vessel value of all commercial fisheries off Alaska in 2011 (Fig. 4, Tables 16 and 17) , while the Pacific salmon (*Oncorhynchus* spp.) fishery was second with \$564.8 million or 28% of the total Alaska ex-vessel value. The value of the shellfish fishery amounted to \$266.4 million or 13% of the total for Alaska and exceeded the value of Pacific halibut (*Hippoglossus stenolepis*) by about \$61.2 million.

### 2.1. Catch Data

During the last 9 years, estimated total catch in the commercial groundfish fisheries off Alaska varied between 1520.8 and 2190.9 million t (Fig. 1 and Table 1; These estimates include catch from both federal and state fisheries). The rapid displacement of the foreign and joint-venture fisheries by the domestic fishery between 1984 and 1991 can be seen by comparing Figures 1 and 1 . By 1991, the domestic fishery accounted for all of the commercial groundfish catch off Alaska.

Walleye (Alaska) pollock (*Theragra chalcogramma*) has been the dominant species in the commercial groundfish catch off Alaska. The 2011 pollock catch of 1,281,800 t accounted for 62% of the total groundfish catch of 2068 million t (Table 1). The pollock catch increased by about 36.6% from 2010 as a result of an increase in the TAC. The 2011 catch of flatfish, which includes yellowfin sole (*Pleuronectes asper*), rock sole (*Pleuronectes bilineatus*), and arrowtooth flounder (*Atheresthes stomias*), was 327,300 t or 15.8% of the total 2011 groundfish catch, an increase of about 11.5% from 2010. The Pacific cod (*Gadus macrocephalus*) catch in 2011 accounted for 304,900 t or 14.7% of the total 2011 groundfish catch, up about 19.9% from a year earlier. Pollock, Pacific cod, and flatfish comprised 92.6% of the total 2011 catch. Other important species are sablefish (*Anoplopoma fimbria*), rockfish (*Sebastes* and *Sebastolobus* spp.), and Atka mackerel (*Pleurogrammus monopterygius*). The contributions of the major groundfish species or species groups to the total catch in the domestic groundfish fisheries off Alaska are depicted in Figure 2.

Trawl, hook and line (including longline and jigs), and pot gear account for virtually all the catch in the BSAI and GOA groundfish fisheries. There are catcher vessels and catcher/processor vessels within each of these three gear groups. Table 2 presents catch data by area, gear, vessel type, and species. The catch data in Table 2 and the catch, PSC, and vessel information in the tables of the rest of this report are for the BSAI and GOA FMP fisheries, unless otherwise indicated.

In the last five years, the trawl catch averaged about 89.1% of the total catch, while the catch with hook-and-line gear accounted for 8.7% . 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, of which 31.8% (90,000 t) was taken by trawls in 2011, 48.1% (136,000 t) by hook-and-line gear, and 20.1% (57,000 t) by pot gear. In each of the years since 2006, catcher vessels took 41.4-45.6% of the total catch and catcher/processors took the remainder. That increase from years prior to 1999 (not shown in Table 2 ) is explained in part by the AFA, which among other things increased the share of the BSAI pollock TAC allocated to catcher vessels delivering to shoreside processors. The distribution of catch between catcher vessels and catcher/processor vessels differed substantially by species and area.

Target fisheries are defined by area, gear and target species. The target designations are used to estimate PSC, apportion PSC allowances by fishery, and monitor those allowances. The target fishery designations can also be used to provide estimates of catch and PSC data by fishery. The blend catch data are assigned to a target fishery by processor, week, area, and gear. The new catch-accounting system, which replaced the blend as the primary source of catch data in 2003, assigns the target at the trip level rather than weekly, except for the small fraction of total catch (0-4% in different years) that comes from NMFS Weekly Production Reports (WPR). CDQ fishing activity is targeted separately from non-CDQ fishing. Generally, the species or species group that accounts for the largest proportion of the retained catch of the TAC species is considered the target species. One exception to the dominant retained-catch rule is that the target for the pelagic pollock fishery is assigned if 95% or more of the total catch is pollock. Tables 3 and 4 provide estimates of total catch by species, area, gear, and target fishery for the GOA and the BSAI, respectively. Beginning in 2011, Kamchatka flounder is broken out from the "Other flatfish" target species category in the BSAI only. As such, the other flatfish target category is not comparable between 2011 and prior years in Tables 4 , 8, 10, 13, and 15; and the other flatfish species category is not comparable in Tables 4, 8, and 26.

Residents of Alaska and of other states, particularly Washington and Oregon, are active participants in the BSAI and GOA groundfish fisheries. Catch data by residency of vessel owners are presented in Table 5. These data were extracted from the NMFS blend and catch accounting system catch databases and from the State of Alaska groundfish fish ticket database and vessel-registration file, which includes the stated residency of each vessel owner. For the domestic groundfish fishery as a whole, 79.5% of the 2011 catch volume was made by vessels with owners who indicated that they were not residents of Alaska. The catches of the two vessel-residence groups were much closer to being equal in the GOA where Alaskan vessels accounted for the majority of the Pacific cod catch. Note that 2010 we changed the method by which we produced Table 5. Since the Alaska Region's catch-accounting system (CAS) data (unlike the earlier Blend data) now include catcher-vessel IDs for all processing sectors, and information on vessel-owner residency is readily available from both NMFS and the state of Alaska, we can obtain direct estimates of groundfish catch by owner residence. Previously, we had estimated the amount of catch by residency for the shoreside sector by prorating CAS estimates based on the fraction of catch by residency obtained from shoreside fish-ticket data, which have always included catcher-vessel IDs.

## *2.2. Groundfish Discards and Discard Rates*

The discards of groundfish in the groundfish fishery have received increased attention in recent years by NMFS, the Council, Congress, and the public at large. Table 6 presents the

catch-accounting system estimates of discarded groundfish catch and discard rates by gear, area, and species for years 2007-2011. The discard rate is the percent of total catch that is discarded. Although these are the best available estimates of discards and are used for several management purposes, these estimates are not necessarily accurate. The groundfish TACs are established and monitored in terms of total catch, not retained catch; this means that both retained catch and discarded catch are counted against the TACs. Therefore, the catch-composition sampling methods used by at-sea observers provide the basis for NMFS to make good estimates of total catch by species, not the disposition of that catch. Observers on vessels sample randomly chosen catches for species composition. For each sampled haul, they also make a rough visual approximation of the weight of the non-prohibited species in their samples that are being retained by the vessel. This is expressed as the percent of that species that is retained. Approximating this percentage is difficult because discards occur in a variety of places on fishing vessels. Discards include fish falling off of processing conveyor belts, dumping of large portions of nets before bringing them on-board the vessel, dumping fish from the decks, size sorting by crewmen, quality-control discard, etc. Because observers can be in only one place at a time, they can provide only this rough approximation based on their visual observations rather than data from direct sampling. The discard estimate derived by expanding these approximations from sampled hauls to the remainder of the catch may be inaccurate because the approximation may be inaccurate. The numbers derived from the observer discard approximation can provide users with some information as to the disposition of the catch, but the discard numbers should not be treated as sound estimates. At best, they should be considered a rough gauge of the quantity of discard occurring.

For the BSAI and GOA fisheries as a whole, the annual discard rate for groundfish was about 4%-6% for the years 2007-2011. The overall discard rate in 2007 represents a two-thirds reduction from the 1997 rate of 14.5% (not shown in Table 6), a result of prohibiting pollock and Pacific cod discards in all BSAI and GOA groundfish fisheries beginning in 1998. Total discards decreased by about 60% from 1997 to 2006 due to the reduction in the discard rate, while the total catch increased by about 6%. The prohibition on pollock and Pacific cod discards was so effective in decreasing the overall discard rate because the discards of these two species had accounted for 43% of the overall discards in 1997. The benefits and costs of the reduction in discards since 1997 have not been determined. In 2011, the overall discard rates were about 8% and 3%, respectively, for the GOA and the BSAI compared to 16% and 14% in 1997.

Although the fixed gear fisheries accounted for a small part of both total catch or total discards in 1998 and later years, the overall discard rates were substantially higher for fixed gear ( 11% in 2011) than for trawl gear ( 3% in 2011). Prior to 1998, the overall discard rates had been similar for these two gear groups. This change occurred because the prohibition on pollock and Pacific cod discards had a much larger effect on trawl discards than on fixed gear discards. In the BSAI, the 2011 discard rates were 8% and 8% for fixed and trawl gear, respectively. In the GOA, however, the corresponding discard rates were 12% and 2%. One explanation for the relatively low discard rates for the BSAI trawl fishery is the dominance of the pollock fishery with very low discard rates. The mortality rates of groundfish that are discarded are thought to differ by gear or species; however, estimates of groundfish discard mortality are not available.

Tables 7, 8, 9 and 10, respectively, provide estimates of discarded catch and discard rates by species, area, gear, and target fishery. Within each area or gear type, there are substantial differences in discard rates among target fisheries. Similarly, within a target fishery, there are

often substantial differences in discard rates by species. Typically, in each target fishery the discard rates are very high except for the target species. The regulatory exceptions to the prohibition on pollock and Pacific cod discards explain, in part, why there are still high discard rates for these two species in some fisheries.

### *2.3. Prohibited-Species Catch*

The catch of Pacific halibut, king and tanner crab (*Chionoecetes*, *Lithodes* and *Paralithodes* spp.), Pacific salmon (*Oncorhynchus* spp.), and Pacific herring (*Clupea pallasii*) has been an important management issue for roughly thirty years. The retention of these species was prohibited first in the foreign groundfish fisheries. This was done to ensure that groundfish fishermen had no incentive to target these species. Estimates of the catch of these “prohibited species” for 2007-2011 are summarized by area and gear in Table 11. More detailed estimates of prohibited species catch (PSC) and of PSC rates for 2010 and 2011 are in Tables 12-15. The estimates for halibut are in terms of PSC mortality because the PSC limits for halibut are set and monitored using estimated discard mortality rates. The estimates for the other prohibited species are of total PSC; this is in part due to the lack of well-established discard mortality rates for these species. The discard mortality rates probably approach 100% for salmon and herring in the groundfish fishery as a whole; the discard mortality rates for crab, however, may be much lower.

There was a very large increase of other king crab PSC in 2007, mostly in the BSAI Pacific cod and sablefish pot fisheries. The “other king crab” category includes blue king crab (*Paralithodes platypus*) and golden king crab (*Lithodes aequispina*). The total other-king-crab PSC in 2007 was about 10 times the average annual PSC for the years 1994-2006; other-king-crab PSC declined in 2008 and then again in 2009, but still remained at roughly three times the long-term average. In recent years (2010-2011) the other king-crab PSC declined to a little more than one and a half times the 1994-2006 average. The increase in blue king crab PSC in 2007 is partly explained by the expansion of effort in the Pacific cod pot fishery northward to NMFS reporting area 524 in the vicinity of St. Matthew Island, where a floating processor was stationed to accept deliveries of Pacific cod (the processor was not present in 2006, 2008 or 2009). The rest of the explanation for the 2007 increase is most likely the lack of observer coverage in the sablefish and Pacific cod pot fisheries (pot vessels over 60 feet in length are required to have observer coverage for only 30% of their fishing days), so that a few observed pot lifts with large crab PSC resulted in high calculated PSC rates that were then applied to the rest of the fisheries. The decline of other-king-crab PSC in 2008 is explained in part by the reduction of effort in area 524 (no Pacific cod pot harvest occurred in area 524 in 2008, and only about 540 t occurred in 2009, compared to over 2,000 t in 2007), but also possibly due to a change in fishing patterns after managers informed the industry that high PSC was occurring in certain areas. The total number of observed pot vessels in area 524 in 2008 and 2009 combined was 90% fewer than the number observed in 2007 alone.

The at-sea observer program was developed for the foreign fleets and then extended to the domestic fishery once it had all but replaced participation by foreign fishing and processing vessels. The observer program, now managed by the Fisheries Monitoring and Analysis Division (FMA) of the Alaska Fisheries Science Center, resulted in fundamental changes in the nature of the PSC problem. First, by providing good estimates of total groundfish catch and non-groundfish PSC by species, it eliminated much of the concern that total fishing mortality was being underestimated due to fish that were discarded at sea. Second, it made it possible to establish,

monitor, and enforce the groundfish quotas in terms of total catch as opposed to only retained catch. Third, it made it possible to implement and enforce PSC quotas for the non-groundfish species that by regulation had to be discarded at sea. Finally, it provided extensive information that managers and the industry could use to assess methods to reduce PSC and PSC mortality. In summary, the observer program provided fishery managers with the information and tools necessary to prevent PSC from adversely affecting the stocks of the PSC species. Therefore, PSC in the groundfish fishery is principally not a conservation problem but it can be an allocation problem. Although this does not make it less controversial, it does help identify the types of information and management measures that are required to reduce PSC to the extent practicable, as is required by the Magnuson-Stevens Fishery Conservation and Management Act (MSA).

#### *2.4. Ex-Vessel Prices and Value*

Table 18 contains the estimated ex-vessel prices that were used with estimates of retained catch to calculate ex-vessel values. The estimates of ex-vessel value by area, gear, type of vessel, and species are in Table 19. Notice that the estimates of ex-vessel prices and value for trawl-caught GOA rockfish in this year's report are no longer based on fractions of processed-product prices and value as in the past (refer to the footnote to Table 18). An analysis by AFSC staff last year determined that in every year since 2000, at least 20% of all rockfish retained landings in Alaska was caught by trawl gear in the GOA and delivered to shoreside processors; this means that we have adequate data on these shoreside landings to estimate ex-vessel prices (and, thus, values) directly.

The ex-vessel value of the domestic landings in the FMP fisheries, excluding the value added by at-sea processing, increased from \$815.6 million in 2007 to \$969.4 million in 2008, decreased to \$688.2 million in 2009, increased to \$660.8 million in 2010, and increased further to \$991.2 million in 2011. The substantial decrease in 2009 results mostly from significant decreases in ex-vessel prices, particularly for Pacific cod, due largely to the economic recession that deepened at the end of 2008. The increase in subsequent years was largely a result of increasing value from sablefish, pacific cod and flatfish while the value from pollock has leveled off. The distribution of ex-vessel value by type of vessel differed by area, gear and species. In 2011, catcher vessels accounted for 48.9% of the ex-vessel value of the groundfish landings compared to 44% of the total catch because catcher vessels take percentages of higher-priced species such as sablefish, which was \$4.021 per pound in 2010 and \$5.28 per pound in 2011. Similarly, trawl gear accounted for only 69.7% of the total ex-vessel value compared to 88.3% of the catch because much of the trawl catch is of low-priced species such as pollock, which was about \$0.163 per pound in 2011.

Tables 20 and 21 summarize the ex-vessel value of catch delivered to shoreside processors by vessel-size class, gear, and area. Table 20 gives the total ex-vessel value in each category and Table 21 gives the ex-vessel value per vessel. The relative dominance of each of the three vessel size classes differs by area and by gear.

Table 22 provides estimates of ex-vessel value by residency of vessel owners, area, and species. For the BSAI and GOA combined, 72.9% of the 2011 ex-vessel value was accounted for by vessels with owners who indicated that they were not residents of Alaska. Vessels with owners who indicated that they were residents of Alaska accounted for about 27.1% of the total. The vessels owned by residents of Alaska accounted for a larger share of the ex-vessel value than of catch (27.1% compared to 79.5%) because these vessels accounted for relatively large shares of the

higher-priced species such as sablefish. Notice that, as with Table 5, we have revised the method for producing Table 22 to use information on catcher-vessel IDs in catch-accounting system data to better determine the residency of participants in the fisheries.

Table 23 presents estimates of ex-vessel value of catch delivered to shoreside processors, and Table 24 gives the ex-vessel value of groundfish as a percentage of the ex-vessel value of all species delivered to shoreside processors. The data in both tables, which include both state and federally managed groundfish, are reported by processor group, which is a classification of shoreside processors based primarily on their geographical locations. The processor groups are described in the footnote to the tables.

## *2.5. First Wholesale Production, Prices and Value*

Estimates of weight and value of the processed products made with BSAI and GOA groundfish catch are presented by species, product form, area, and type of processor in Tables 25, 28 and 29. Product price-per-pound estimates are presented in Table 26, and estimates of total product value per round metric ton of retained catch (first wholesale prices) are reported in Table 27. As for ex-vessel value, there were significant declines in the product value of Pacific cod between 2008 and 2009, and most of the change appears to have been driven by declines in prices resulting from the economic downturn that deepened at the end of 2008 and continued through 2009. The first wholesale value of Pacific cod products since rebounded in 2011 and are now 109.9% of its in 2008 level.

Gross product value (F.O.B. Alaska) data, through primary processing, are summarized by category of processor and by area in Table 31, and by catcher/processor category, size class and area in Table 32. Table 33 reports gross product value per vessel, categorized in the same way as Table 32. Tables 34 and 35 present gross product value of groundfish processed by shoreside processors and the groundfish gross product value as a percentage of all-species gross product value, with both tables broken down by processor group. The processor groups are the same as in Tables 23 and 24 and no distinction is made between groundfish catch from the state and federally managed groundfish fisheries.

Table 30 reports estimates of the weight and first-wholesale value of processed products from catch in the non-groundfish commercial fisheries of Alaska, which enables comparison with the groundfish first-wholesale value estimates reported in Table 25.

In all years reported here except 2010, the total first-wholesale value of just the pollock and Pacific cod groundfish fisheries easily exceeds that of all non-groundfish fisheries combined. We present Table 30 to provide a further means, besides the ex-vessel value estimates reported in Table 16, of comparing the groundfish and non-groundfish fisheries.

### *2.5.1 Counts and Average Revenue of Vessels That Meet a Revenue Threshold*

For the purposes of Regulatory Flexibility Act analyses, a business involved in fish harvesting is defined by the Small Business Administration as a small business if it is independently owned and operated, not dominant in its field of operation (including its affiliates), and has combined annual receipts no greater than \$4.0 million for all its affiliated operations worldwide. The information

necessary to determine if a vessel is independently owned and operated and had gross earnings no greater than \$4.0 million is not available. For example, vessel earnings can include tendering income, which is not tracked, and revenue from fishing activities outside of Alaska, to which we lack access to. By using estimates of vessels' revenue from the catch or processing of Alaska groundfish and other species, however, it is possible to identify vessels that clearly are not small entities.

Estimates of both the numbers of fishing vessels that clearly are not small entities and the numbers of fishing vessels that could be small entities are presented in Tables 36 and 37, respectively. With more complete revenue, ownership and affiliation information, some of the vessels included in Table 37 would be determined to be large entities. Estimates of the average revenue per vessel for the vessels in Tables 36 and 37, respectively, are presented in Tables 38 and 39. As data become available, we hope in the future to improve revenue estimates by including revenue from participation in fisheries in the lower 48 states and by incorporating information about the vessels' cooperative affiliations.

## *2.6. Effort (Fleet Size, Weeks of Fishing, Crew Weeks)*

Estimates of the numbers and registered net tonnage of vessels in the groundfish fisheries are presented by area and gear in Table 40, and estimates of the numbers of vessels that landed groundfish are depicted in Fig. 6 by gear type. More detailed information on the BSAI and GOA groundfish vessels by type of vessel, vessel size class, catch amount classes, and residency of vessel owners is in Tables 41-46. In particular, Table 43 gives detailed estimates of the numbers of smaller (less than 60 feet) hook-and-line catcher vessels.

Estimates of the number of vessels by month, gear, and area are in Table 47. Table 48 provides estimates of the number of catcher vessel weeks by size class, area, gear, and target fishery. Table 49 contains similar information for catcher/processor vessels.

The Weekly Production Reports include employment data for at-sea processors but not inshore processors. Those data are summarized in Table 50 by month and area. The data indicate that in 2011, the crew weeks (defined as the number of crew aboard each vessel in a week summed over the entire year) totaled 120,338 with the majority of them (115,451) occurring in the BSAI groundfish fishery. In 2011, the maximum monthly employment (15,200) occurred in July. Much of this was accounted for by the BSAI pollock fishery.

## *2.7. Observer Coverage and Costs*

The information provided by the FMA division of the AFSC has had a key role in the success of the groundfish management regime. For example, it would not be possible to monitor total allowable catches (TACs) in terms of total catch without observer data from the FMA. Similarly, the PSC limits, which have been a key factor in controlling the catch of prohibited species, could not be used without such data. In recent years, the reliance on observer data for individual vessel accounting is of particular importance in the management of the CDQ program, AFA pollock, BSAI crab, and Amendment 80 fisheries. In addition, much of the information that is used to assess the status of groundfish stocks, to monitor the interactions between the groundfish fishery and marine mammals and sea birds, and to analyze fishery management actions is provided by

the FMA. Table 51 presents estimates of the numbers of vessels and plants with observers, the numbers of observer-deployment days, and observer costs by year and type of operation for 2010-2011.

## *2.8. External Factors*

There are a variety of at least partially external factors that affect the economic performance of the BSAI and GOA groundfish fisheries. They include landing market prices in Japan, wholesale prices in Japan, U.S. imports of groundfish products, U.S. per capita consumption of seafood, U.S. consumer and producer price indices, and foreign exchange rates. We have discontinued publishing these data, presented in Tables 52 - 60 in previous years, either because the data are no longer available or because they are readily available online, often in a more useful format.

In particular, the Japanese Ministry of Agriculture, Forestry & Fisheries has discontinued reporting landing market prices and wholesale prices for all but one of the species previously reported in Tables 52 and 53. Without a continuous time series of prices for a variety of commodities, we feel that these data are no longer useful.

Estimates of U.S. imports and per-capita consumption of various fisheries products, previously published in Table 54-56 of this report, are available in Fisheries of the United States (FUS), published annually by the NMFS Office of Science & Technology. The 2011 FUS is available at: <http://www.st.nmfs.noaa.gov/st1/fus/fus10/index.html>.

Annual and monthly U.S. economic indicators (producer and consumer price indices), published in past years in Tables ?? and ?? are available from the U.S. Department of Labor Statistics at: <http://www.bls.gov/data/sa.htm>. Instead of the gross domestic product (GDP) implicit price deflators we've used in the past, we now use the Producer Price Index (PPI) for unprocessed and packaged fish to deflate the ex-vessel and first-wholesale value estimates reported in Tables 16 and 30, respectively. The PPIs are available from the Bureau of Labor Statistics at: <http://data.bls.gov/cgi-bin/srgate>, using the series ID 'WPU0223'.

Foreign exchange rates, which we've previously published in Tables ?? and ??, are available from the U.S. Federal Reserve Board (for all currencies except the Icelandic kronur) at: [www.federalreserve.gov](http://www.federalreserve.gov). Exchange rates for Iceland's kronur are available at: [www.oanda.com](http://www.oanda.com).

## *2.9. REQUEST FOR FEEDBACK*

The estimates in this report are intended both to provide information that can be used to describe the Alaska groundfish fisheries and to provide the industry and others an opportunity to comment on the validity of these estimates. It is hoped that the industry and others will identify any data or estimates in this report that can be improved and provide the information and methods necessary to improve them for both past and future years. There are two reasons why it is important that such improvements be made. First, with better estimates, the report will be more successful in monitoring the economic performance of the fisheries and in identifying changes in economic performance that may be attributable to regulatory actions. Second, the estimates in this report often will be used as the basis for estimating the effects of proposed fishery management actions. Therefore, improved estimates in this report will allow more

informed decisions by those involved in managing and conducting the Alaska groundfish fisheries. The industry and other stakeholders in these fisheries can further improve the usefulness of this report by suggesting other measures of economic performance that should be included in the report, or other ways of summarizing the data that are the basis for this report, and participating in voluntary survey efforts NMFS may undertake in the future to improve existing data shortages. An online survey to facilitate user feedback is available at:  
[http://www.afsc.noaa.gov/REFM/Socioeconomics/Contact/SAFE\\_survey.php](http://www.afsc.noaa.gov/REFM/Socioeconomics/Contact/SAFE_survey.php).

### *2.10. CITATIONS*

Terry Hiatt, Michael Dalton, Ron Felthoven, Ben Fissel, Brian Garber-Yonts, Alan Haynie, Stephen Kasperski, Dan Lew, Christina Package, Jennifer Sepez and Chang Seung. Stock Assessment and Fishery Evaluation Report for the Groundfish Fisheries of the Gulf of Alaska and Bering Sea/Aleutian Island Area: Economic Status of the Groundfish Fisheries off Alaska, NPFMC, November, 2011. <http://www.afsc.noaa.gov/refm/docs/2011/economic.pdf>

National Marine Fisheries Service, 2010. Fisheries of the United States, 2010.  
<http://www.st.nmfs.noaa.gov/st1/fus/fus10/index.html>

### *2.11. Acknowledgements*

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### 3. FIGURES REPORTING ECONOMIC DATA OF THE GROUND FISH FISHERIES OFF ALASKA

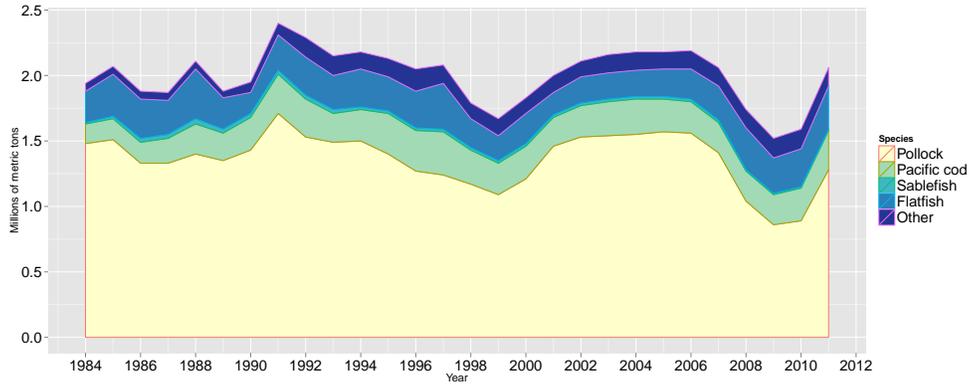


Figure 1: Groundfish catch in the commercial fisheries off Alaska by species, 1984-2011

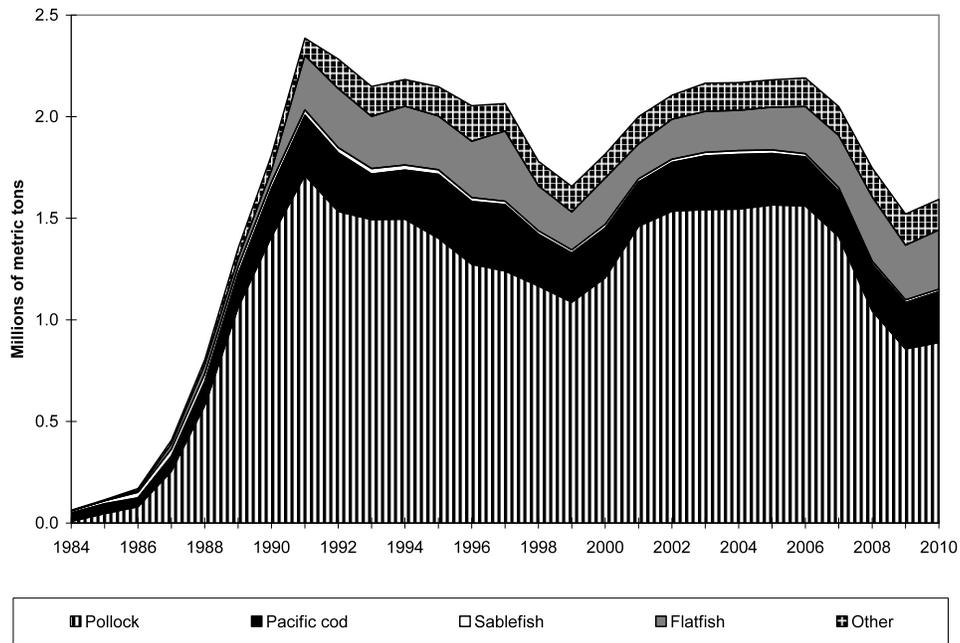


Figure 2: Groundfish catch in the domestic commercial fisheries off Alaska by species, (1984-1510)

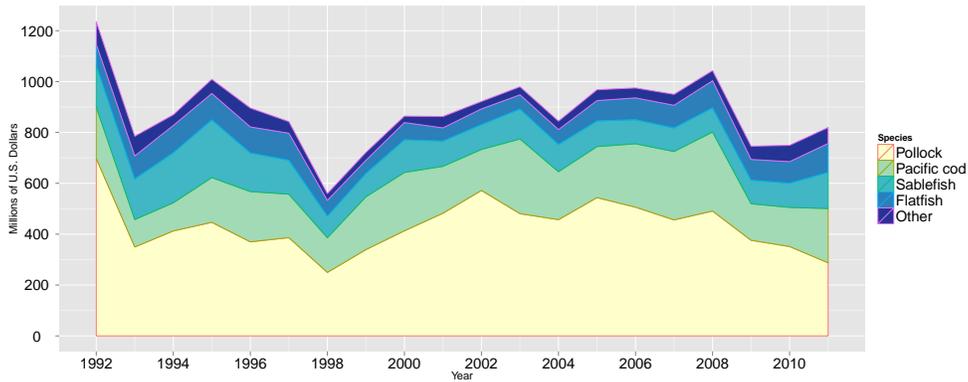


Figure 3: Real ex-vessel value of the groundfish catch in the domestic commercial fisheries off Alaska by species, 1992-2011 (base year = 2011)

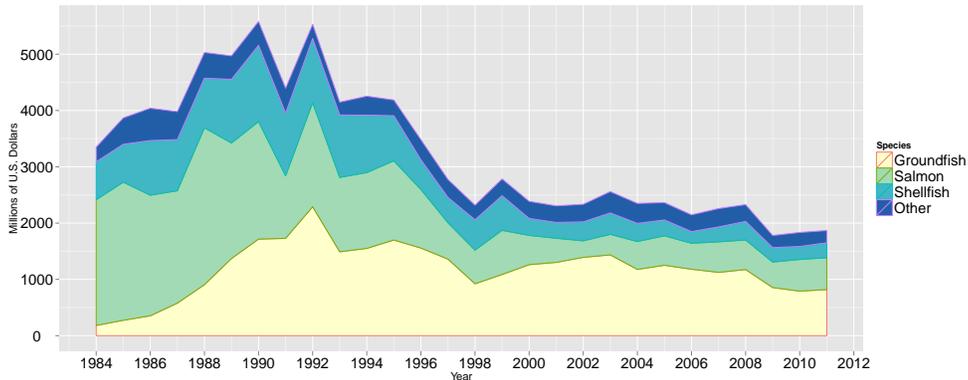


Figure 4: Real ex-vessel value of the domestic fish and shellfish catch off Alaska by species group, 1984-2011 (base year = 2011)

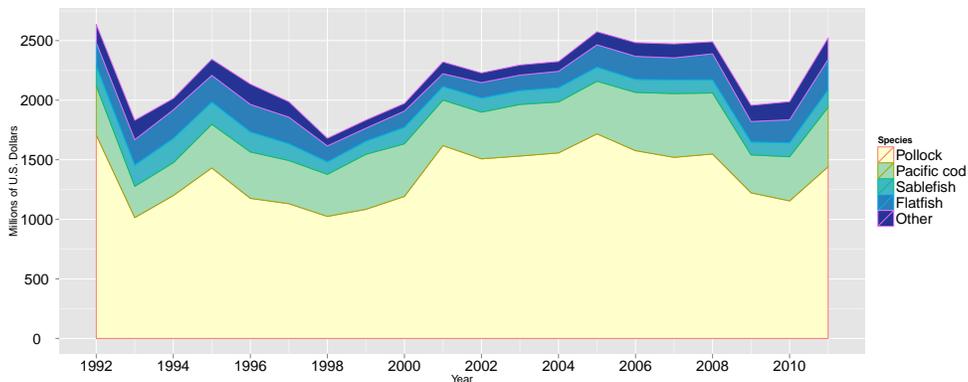


Figure 5: Real gross product value of the groundfish catch off Alaska by species, 1992-2011 (base year = 2011)

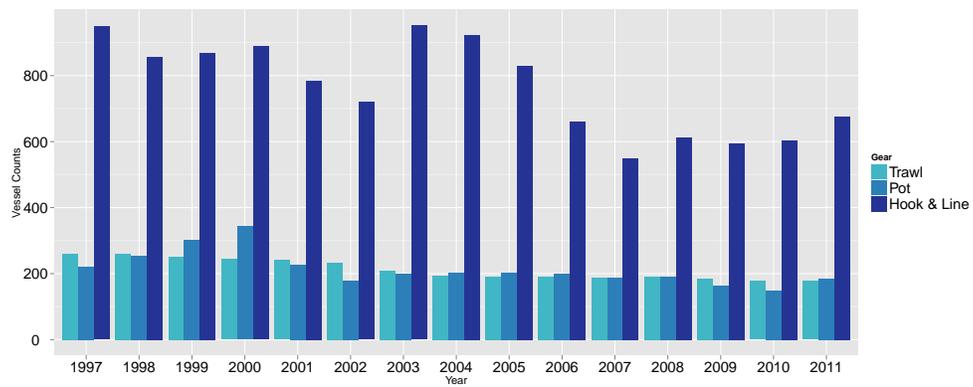


Figure 6: Number of vessels in the domestic fishery off Alaska by gear type, 1997-2011

#### 4. TABLES REPORTING ECONOMIC DATA OF THE GROUND FISH FISHERIES OFF ALASKA

Table 1: Groundfish catch in the commercial fisheries of Alaska by area and species, 2003 - 2011 (1,000 metric tons, round weight)

	Year	Pollock	Pacific			Atka		Total
			Sablefish	Cod	Flatfish	Rockfish	Mackerel	
Gulf of Alaska	2003	50.7	15.5	52.6	42	23.7	0.6	191.5
	2004	63.8	17	56.6	23.4	22.3	0.8	188.7
	2005	81	15	47.6	30	20.6	0.8	200.3
	2006	72	13.5	47.9	42.2	24.3	0.9	208.8
	2007	52.7	12.8	51.5	40.5	23.4	1.5	189.5
	2008	52.5	12.6	59	46.1	23	2.1	201.8
	2009	44.2	11.2	52.9	42.4	22.7	2.2	183.2
	2010	76.9	10.1	78.1	37.9	25.3	2.4	237.7
	2011	81.3	11.2	84.8	40.9	22.9	1.6	249.6
	Bering Sea and Aleutian Islands	2003	1492.6	2.1	211	159.8	20.8	58.1
2004		1481.7	2	212.2	174.7	17.7	60.6	1979.2
2005		1484.6	2.5	205.6	180.5	15.1	62	1981.1
2006		1489.4	2.2	193	189.5	17.7	61.9	1982.1
2007		1357	2.3	174.1	216.4	23.6	58.8	1860.3
2008		991.9	2	170.9	270.5	21.7	58.1	1546.1
2009		812.5	2	175.7	226.8	19.5	72.8	1337.6
2010		811.7	1.8	171.9	253.9	23.5	68.6	1355.2
2011		1200.5	1.7	220.2	286.4	28.2	51.8	1818.3
All Alaska		2003	1543.2	17.6	263.5	201.8	44.6	58.7
	2004	1545.5	19	268.8	198.1	40	61.4	2167.8
	2005	1565.6	17.6	253.2	210.5	35.7	62.8	2181.4
	2006	1561.4	15.7	240.9	231.7	42	62.8	2190.9
	2007	1409.7	15.1	225.6	256.9	47	60.2	2049.7
	2008	1044.4	14.7	229.8	316.6	44.7	60.2	1747.8
	2009	856.8	13.1	228.7	269.3	42.2	75	1520.8
	2010	888.5	11.9	249.9	291.8	48.8	71.1	1592.8
	2011	1281.8	12.9	304.9	327.3	51.1	53.4	2068

**Notes:** These estimates include catch from both federal and state of Alaska fisheries.

**Source:** National Marine Fisheries Service, Office of Science and Technology, Fisheries Statistics Division, Fisheries of the United States (housed at the Alaska Fisheries Information Network (AKFIN)).

Table 1A: Catch of species other than groundfish in the domestic commercial fisheries, 1997 - 2011 (1,000 metric tons)

Year	Crab	Other Shellfish	Salmon	Halibut	Herring	Total
1997	64.6	5.9	244	29.1	52.4	396
1998	126.7	4.2	284	30.5	39.4	484.7
1999	93.5	4.1	363.6	34.4	38.7	534.3
2000	23.8	3.3	275.2	32.5	30.8	365.6
2001	21.4	2.8	311.3	33.7	38.4	407.8
2002	26.3	3.8	237.3	35.4	31.7	334.3
2003	25.8	2.5	286	34.8	31.3	380.4
2004	23.9	3.6	316.6	34.7	32.2	410.9
2005	25.9	2.9	395.7	33.5	38.9	496.9
2006	31.4	2.5	287.8	31.4	36.2	389.2
2007	32.1	2.1	390.7	30.5	30.5	485.8
2008	45.1	2.3	290.4	29.3	38.2	405.4
2009	40.6	2.4	304.4	26.2	39.4	413.1
2010	36.2	2	343.3	24.9	49	455.4
2011	36.5	1.7	334.8	18.7	44.7	436.4

**Notes:** These estimates include catch from both federal and state of Alaska fisheries

**Source:** National Marine Fisheries Service, Office of Science and Technology, Fisheries Statistics Division, Fisheries of the United States (housed at the Alaska Fisheries Information Network (AKFIN)).

Table 2: Groundfish catch off Alaska by area, vessel type, gear and species, 2007 - 2011 (1,000 metric tons, round weight)

		Gulf of Alaska			Bering Sea and Aleutian Islands			All Alaska		
		Catcher	Catcher		Catcher	Catcher		Catcher	Catcher	
		vessels	proces-	Total	vessels	proces-	Total	vessels	proces-	Total
Year			sors			sors			sors	
Sablefish	2007	10	2	12	0	0	1	10	2	12
	2008	11	1	12	0	0	1	11	2	13
	2009	9	1	10	1	1	1	10	2	11
	2010	9	1	9	1	1	1	9	1	10
	2011	9	1	10	1	0	1	10	1	11
Pacific Cod	2007	7	4	12	1	81	81	8	85	93
	2008	7	5	12	1	93	95	9	98	107
	2009	9	6	14	1	101	102	9	107	116
	2010	9	8	17	1	89	90	9	97	107
	2011	9	8	17	1	118	119	10	126	136
Hook & line Flatfish	2007	0	0	1	0	4	4	0	4	5
	2008	1	0	1	0	4	4	1	4	5
	2009	0	0	0	0	5	5	0	5	5
	2010	0	0	1	0	5	5	0	5	6
	2011	0	0	0	0	5	5	0	5	5
Rockfish	2007	1	0	1	0	0	0	1	1	2
	2008	1	0	1	0	0	0	1	1	2
	2009	1	0	1	0	0	0	1	1	2
	2010	1	0	1	0	1	1	1	1	2
	2011	1	0	1	0	0	0	1	0	1
All Groundfish	2007	21	7	29	1	101	102	22	109	131
	2008	22	7	29	3	118	122	26	126	151
	2009	22	7	30	1	126	127	24	133	157
	2010	21	11	31	2	112	114	22	123	145
	2011	22	10	32	2	147	149	24	157	180
Pot	2007	13	*	13	15	3	18	28	3	30
	2008	11	*	11	16	3	19	27	3	30

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Table 2: continued

		Gulf of Alaska			Bering Sea and Aleutian Islands			All Alaska			
		Catcher	Catcher	Total	Catcher	Catcher	Total	Catcher	Catcher	Total	
		Year	vessels	proces-	vessels	proces-		vessels	proces-		
				sors		sors			sors		
		2009	11	*	11	11	4	14	22	4	26
		2010	20	-	20	17	3	20	37	3	40
		2011	29	*	29	25	3	28	54	3	57
		2007	52	1	53	722	632	1354	774	632	1406
		2008	52	1	52	525	462	987	576	462	1039
	Pollock	2009	42	2	44	435	373	808	477	375	852
		2010	75	1	77	424	383	807	500	384	884
		2011	79	2	81	633	562	1195	712	564	1276
		2007	1	1	1	0	0	0	1	1	1
		2008	0	0	1	0	0	0	0	1	1
	Sablefish	2009	0	0	1	0	0	0	0	1	1
		2010	0	0	1	0	0	0	0	1	1
		2011	1	1	1	0	0	0	1	1	1
		2007	14	1	15	32	39	71	46	41	86
		2008	19	1	20	31	22	53	50	23	73
	Pacific Cod	2009	12	2	14	30	27	57	42	29	71
		2010	21	1	22	28	30	58	49	31	80
		2011	15	1	16	40	33	73	55	35	90
		2007	26	13	40	11	201	212	37	215	252
		2008	32	13	45	10	257	266	41	270	311
	Flatfish	2009	27	15	42	10	212	222	37	227	264
		2010	23	15	37	4	244	249	27	259	286
		2011	23	18	41	10	272	281	33	289	322
		2007	9	13	22	1	22	23	10	35	45
		2008	9	13	22	1	20	21	10	33	43
	Rockfish	2009	8	14	21	1	18	19	9	31	40
		2010	9	15	24	1	21	23	11	36	47
		2011	9	13	22	2	26	28	11	39	50

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Table 2: continued

		Gulf of Alaska			Bering Sea and Aleutian Islands			All Alaska		
		Catcher	Catcher	Total	Catcher	Catcher	Total	Catcher	Catcher	Total
		Year	vessels	proces-	vessels	proces-	Total	vessels	proces-	Total
			sors	sors		sors		sors	sors	
Atka Mackerel	2007	0	1	1	2	57	59	2	58	60
	2008	0	2	2	1	57	58	2	59	60
	2009	0	2	2	3	69	73	3	72	75
	2010	0	2	2	4	65	69	4	67	71
	2011	0	2	2	5	46	52	5	48	53
All Groundfish	2007	105	30	135	770	964	1735	875	995	1870
	2008	115	30	146	572	828	1399	687	858	1545
	2009	93	36	128	483	710	1193	575	746	1321
	2010	131	35	167	464	753	1216	595	788	1383
	2011	129	37	166	691	949	1640	820	985	1806
All gear All Groundfish	2007	140	38	177	788	1068	1856	928	1106	2034
	2008	149	38	187	592	949	1542	741	987	1728
	2009	127	43	170	496	840	1335	623	883	1505
	2010	173	46	219	483	868	1351	655	914	1569
	2011	181	47	227	719	1099	1818	900	1145	2046

**Notes:** The estimates are of total catch (i.e., retained and discarded catch). All groundfish include additional species categories. These estimates include only catch counted against federal TACs. A dash (-) indicates that data are not available, either because there was no activity or to preserve confidentiality.

**Source:** Source: Catch Accounting System estimates (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 3: Gulf of Alaska groundfish catch by species, gear, and target fishery, 2010 - 2011 (1,000 metric tons, round weight)

	Target	Pollock	Sablefish	Pacific Cod	Arrowtooth Sole	Flathead Sole	Rex Sole	Flat Deep	Flat Shallow	Rockfish	Atka Mackrel	All		
2010	Hook & line	Pollock, Bottom	*	-	*	-	-	-	-	-	-	*		
		Sablefish	0	8	0.1	0.2	-	-	0	0	0.7	-	9.2	
		Pacific Cod	0.3	0	16.4	0.2	0	0	0	0	0.1	0	19.5	
		Rockfish	-	*	0	-	-	-	-	-	0	-	0	
		All	0.3	9.2	17.1	0.5	0	0	0	0	1.3	0	31.4	
		Pot	Pacific Cod	0	*	20.1	0	*	-	-	0	0	0.1	20.6
		All	0	*	20.1	0	*	-	-	0	0	0.1	20.6	
		Pollock, Bottom	22.3	0	1.3	1.7	0.3	0.1	0	0.1	0.1	0	26	
		Pollock, Pelagic	50.8	0	0.2	0.4	0.1	0	0	0	0	0	51.7	
		Sablefish	0	0.2	0	0.1	*	0	0	0	0.1	-	0.4	
		Pacific Cod	0.3	0.1	15.4	0.3	0.1	0	0	0.7	0	0	17.2	
		Arrowtooth	0.7	0.1	0.7	12.1	1.1	1.1	0.2	0.5	0.2	0.2	17.7	
	Flathead Sole	0.3	0	0.3	2.7	1.2	0.4	0	0.1	0.1	0	5.4		
	Rex Sole	0.4	0.1	0.4	4.2	0.4	1.9	0.1	0	0.4	0	8.4		
	Flatfish, Shallow	0.7	0	2.8	1.8	0.5	0.1	0	4.1	0	0	11.2		
	Rockfish	1	0.4	0.7	0.7	0	0.1	0	0	22.9	2.1	28.3		
	All	76.5	0.9	21.8	23.9	3.8	3.6	0.4	5.5	24	2.4	166.3		
	All gear	All	76.9	10.1	59	24.3	3.8	3.6	0.4	5.5	25.3	2.4	218.3	

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Table 3: continued

Target		Pollock	Sablefish	Pacific Cod	Arrowtooth	Flathead Sole	Rex Sole	Flat Deep	Flat Shallow	Rockfish	Atka Mack-erel	All
Hook & line	Pollock, Bottom	*	-	*	-	-	-	-	-	-	-	*
	Pollock, Pelagic	0	-	*	-	-	-	-	-	-	-	0
	Sablefish	0	9	0.1	0.3	0	-	0	0	0.6	-	10.5
	Pacific Cod	0.1	0	16	0.1	0	*	0	0	0.1	0	18.1
	Rockfish	-	*	0	-	-	-	-	-	0	-	0
	All	0.1	10.1	17.2	0.3	0	*	0	0	1.1	0	31.7
2011 Pot	Pacific Cod	0	0	29.2	0	*	-	-	0	0	0	30.3
	All	0	0	29.2	0	*	-	-	0	0	0	30.3
Trawl	Pollock, Bottom	16.8	0	1.3	1.7	0.2	0.1	0	0.3	0.2	0	20.7
	Pollock, Pelagic	60.5	0	0.2	0.3	0	0	0	0	0.1	0	61.4
	Sablefish	0	0.2	0	0	0	0	0	0	0.1	-	0.3
	Pacific Cod	0.4	0.1	11.5	0.5	0.2	0	0	0.9	0	0	14
	Arrowtooth	2.2	0.3	1.7	23.5	1.5	1.4	0.2	0.8	1.1	0	34.2
	Flathead Sole	0.1	0	0.1	0.8	0.4	0.1	0	0.1	0	0	1.7
	Rex Sole	0.1	0	0.2	1.8	0.2	1.1	0	0	0.4	*	3.9
	Flatfish, Shallow	0.3	0	0.8	1.5	0.3	0.1	0	1.8	0	*	5.2
	Rockfish	0.8	0.4	0.6	0.3	0	0.1	0.1	0	19.9	1.4	23.8
	All	81.2	1.1	16.3	30.5	2.7	2.9	0.4	4	21.7	1.5	165.2
All gear	All	81.3	11.1	62.7	30.9	2.7	2.9	0.4	4	22.8	1.5	227.2

**Notes:** Totals may include additional categories. The target, determined by AKR staff, is based on processor, trip, processing mode, NMFS area, and gear. These estimates include only catch counted against federal TACs.

**Source:** Catch-accounting system estimates (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 4: Bering Sea and Aleutian Islands groundfish catch by species, gear, and target fishery, 2010  
 - 2011 (1,000 metric tons, round weight)

	Target	2010											
		Pollock	Sablefish	Pacific Cod	Arrowtooth	Kamchatka Flounder	Flathead Sole	Rock Sole	Yellow Fin	Flat Other	Atka Mack-erel	Rockfish	All
Hook & line	Sablefish	0	0.9	0	0.1	-	*	-	-	0	0.1	-	1.3
	Pacific Cod	4.2	0	89.5	1.6	-	0.3	0	0.2	0.1	0.4	0.1	109
	Arrowtooth	*	0	*	0.1	-	0	-	-	*	0	-	0.2
	Turbot	0	0.1	0	0.5	-	0	*	-	0	0.1	-	2.9
	Rockfish	-	*	-	0	-	-	-	-	*	0	-	0
	All	4.2	1.2	89.6	2.3	-	0.3	0	0.2	0.1	0.7	0.1	113.7
Pot	Sablefish	*	*	*	*	-	*	-	-	*	*	-	*
	Pacific Cod	0	-	20.4	0	-	0	0	0	0	0	0	20.7
	All	0	*	20.4	0	-	0	0	0	0	0	0	20.7
2010 Trawl	Pollock, Bottom	78	0	2.5	0.9	-	2.2	1.6	0.6	0.2	0.2	0.1	87.5
	Pollock, Pelagic	711.5	0	4.4	0.6	-	2.2	0.6	0.4	0.1	0.2	0	721.3
	Pacific Cod	2.3	*	29.2	0.5	-	0.2	1.3	0.5	0.1	0.1	0.2	34.8
	Arrowtooth	0.4	0.1	0.1	28.1	-	0.1	0	0	0.2	0.4	0.1	31.4
	Flathead Sole	3.1	*	2	2.3	-	9	2.5	2.1	1.4	0.1	*	23.1
	Rock Sole	6	*	6.7	1.8	-	3.4	37.3	12	3	0	*	72.4
	Turbot	*	*	-	0.1	-	-	-	-	*	0	-	0.2
	Yellowfin	5.2	-	11.1	1.7	-	2.7	9.7	102.7	13	*	0	149.7
	Other Flatfish	0	-	0.1	0	-	0	0	0.1	0.2	*	-	0.5
	Rockfish	0.5	0	0.2	0.6	-	0.1	0	*	0	12.2	1.1	14.9
	Atka Mack-erel	0.4	0	1.6	0.4	-	0	0.1	*	0	9.7	67.1	80.3
	All	807.4	0.1	58	37	-	19.8	53.2	118.4	18.3	22.8	68.5	1216.2
	All gear	All	811.7	1.3	168	39.3	-	20.1	53.2	118.6	18.4	23.5	68.6

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Table 4: continued

				Pacific		Kamchatka			Yellow	Flat	Atka		
Target		Pollock	Sablefish	Cod	Arrowtooth	Flounder	Flathead	Rock Sole	Fin	Other	Rockfish	Mack-erel	All
Hook & line	Pollock, Bottom	*	-	*	*	-	*	-	-	-	-	-	*
	Sablefish	*	0.9	0	0	0	-	-	*	*	0.1	-	1.2
	Pacific Cod	5.5	0	118.5	1.3	0	0.3	0	0.7	0.1	0.1	0	144.4
	Arrowtooth	-	*	-	*	-	-	-	-	-	*	-	*
	Turbot	0	0	0.1	0.2	*	0	-	*	*	0	*	2.5
	All	5.5	1.1	118.6	1.6	0	0.3	0	0.7	0.1	0.3	0	148.5
Pot	Sablefish	*	0.5	0	0	0	-	-	-	0	0	-	0.6
	Pacific Cod	0	0	28	0	-	0	0	0	0	0	0	28.7
	All	0	0.5	28	0	0	0	0	0	0	0	0	29.3
2011	Pollock, Bottom	110.4	0	3.2	0.6	0	2	5.4	0.7	0.2	0.2	0.8	124.9
	Pollock, Pelagic	1061.5	0	6.8	1	0	2.9	3.1	0.4	0.3	0.5	0.1	1078.2
	Pacific Cod	3.5	*	36.5	0.2	0	0.2	1.5	1.1	0.6	0	0.2	44.5
	Arrowtooth	0.9	0	0.2	10.6	3.4	0.3	0	0	0.5	0.4	0.1	17.7
	Kamchatka Flounder	0.3	0	0	2.5	5.6	0	0	0	0	0.4	0.1	9.9
	Flathead Sole	1.5	-	0.9	0.4	0.1	2.4	0.9	0.9	0.4	0.1	*	7.8
	Rock Sole	7.1	-	7.3	0.4	0	2	39.7	9.8	3.5	0	0	71.6
	Turbot	*	*	-	0	0	*	*	-	*	0	-	0
	Yellowfin	8.7	*	16.3	2.3	0.1	3.2	9.8	136.9	19.9	0	0	201.2
	Other Flatfish	0.1	-	0.2	0	*	0	0.1	0.6	1.2	-	-	2.2
	Rockfish	0.5	0	0.3	0.5	0.4	0.1	0.1	0	0.1	19.9	1.8	24.1
	Atka Mack-erel	0.5	0	1.5	0.2	0.2	0	0.1	-	0	6.3	48.7	58.1
	All	1194.9	0.1	73.3	18.9	9.9	13.2	60.6	150.5	26.7	27.9	51.8	1640.2
	All gear	All	1200.5	1.7	219.9	20.6	9.9	13.6	60.6	151.2	26.8	28.2	51.8

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Table 4: continued

Target	Pollock	Sablefish	Pacific Cod	Arrowtootler	Kamchatka Floun- Sole	Flathead Rock Sole	Yellow Fin	Flat Other	Rockfish	Atka Mack- rel	All
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**Notes:** Totals may include additional categories. The target, determined by AKR staff, is based on processor, trip, processing mode, NMFS area, and gear. These estimates include only catch counted against federal TACs.

**Source:** Catch-accounting system estimates (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 5: Groundfish catch off Alaska by area, residency, and species, 2007 - 2011 (1,000 metric tons, round weight)

	Year	Gulf of Alaska		Bering Sea and Aleutian Islands		All Alaska	
		Alaska	Other	Alaska	Other	Alaska	Other
Pollock	2007	20	33	246	1111	266	1144
	2008	22	30	183	809	205	839
	2009	20	25	125	687	145	712
	2010	35	42	136	676	171	718
	2011	32	50	185	1015	217	1065
Sablefish	2007	6	6	1	2	7	8
	2008	7	6	1	1	7	7
	2009	6	5	1	1	7	6
	2010	5	5	1	1	6	6
	2011	6	5	1	1	7	6
Pacific Cod	2007	24	16	33	137	58	153
	2008	23	21	31	135	54	156
	2009	24	16	35	138	59	154
	2010	34	25	37	131	72	155
	2011	40	22	51	169	91	191
Flatfish	2007	11	30	38	178	49	208
	2008	12	34	60	211	71	245
	2009	13	30	59	168	72	198
	2010	12	26	67	187	78	213
	2011	8	33	79	207	87	240
Rockfish	2007	5	18	1	23	6	41
	2008	5	18	0	21	5	39
	2009	6	17	1	19	6	36
	2010	7	18	1	23	8	41
	2011	7	16	1	27	8	43
Atka Mackerel	2007	0	1	1	58	1	59
	2008	0	2	0	58	0	60
	2009	0	2	0	73	0	75
	2010	0	2	0	69	0	71
	2011	0	1	0	52	0	53
All Groundfish	2007	70	108	325	1532	395	1639
	2008	72	115	281	1261	353	1375
	2009	73	97	226	1110	299	1207
	2010	98	121	245	1106	343	1227
	2011	97	131	323	1495	420	1626

**Notes:** These estimates include only catch counted against federal TACs. Catch delivered to motherships is classified by the residence of the owner of the mothership. All other catch is classified by the residence of the owner of the fishing vessel. All groundfish include additional species categories. Other includes catch by vessels for which residency information was unavailable.

**Source:** Catch Accounting System estimates, fish tickets, CFEC vessel data (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 6: Discards and discard rates for groundfish catch off Alaska by area, gear, and species, 2007 - 2011 (1,000 metric tons, round weight)

	Year	Fixed		Trawl		All gear	
		Total Discards	Discard Rate	Total Discards	Discard Rate	Total Discards	Discard Rate
Pollock	2007	0	8 %	1.5	3 %	1.5	3 %
	2008	0.1	30 %	3.6	7 %	3.6	7 %
	2009	0	4 %	2.5	6 %	2.6	6 %
	2010	0.1	44 %	1.1	1 %	1.2	2 %
	2011	0	19 %	1.9	2 %	2	2 %
Sablefish	2007	0.2	2 %	0.2	16 %	0.4	3 %
	2008	0.7	6 %	0.1	8 %	0.8	6 %
	2009	0.8	8 %	0.1	9 %	0.9	8 %
	2010	0.4	4 %	0	5 %	0.4	4 %
	2011	0.4	4 %	0.2	16 %	0.5	5 %
Pacific Cod	2007	0.3	1 %	1.1	8 %	1.5	4 %
	2008	0.3	1 %	3	15 %	3.3	8 %
	2009	0.9	3 %	3	21 %	3.9	10 %
	2010	0.4	1 %	2.4	11 %	2.9	5 %
	2011	1.1	2 %	0.6	4 %	1.8	3 %
Gulf of Alaska Flatfish	2007	0.6	91 %	10.9	27 %	11.6	29 %
	2008	0.9	93 %	10.2	23 %	11.1	24 %
	2009	0.4	91 %	12.5	30 %	12.9	30 %
	2010	0.5	93 %	10.3	27 %	10.8	28 %
	2011	0.3	91 %	7.4	18 %	7.8	19 %
Rockfish	2007	0.4	27 %	0.9	4 %	1.3	6 %
	2008	0.3	22 %	1.3	6 %	1.6	7 %
	2009	0.3	25 %	1.6	8 %	1.9	9 %
	2010	0.4	29 %	1.3	6 %	1.7	7 %
	2011	0.3	25 %	1.6	7 %	1.9	8 %
Atka Mackerel	2007	0	100 %	0.6	38 %	0.6	39 %
	2008	0	99 %	1.3	62 %	1.3	63 %
	2009	0	100 %	0.9	41 %	0.9	41 %
	2010	0.1	100 %	1.2	49 %	1.2	51 %
	2011	0	99 %	0.6	36 %	0.6	36 %
All Groundfish	2007	4.3	10 %	17.4	13 %	21.7	12 %
	2008	4.6	11 %	21.1	15 %	25.7	14 %
	2009	5.4	13 %	21.9	17 %	27.3	16 %
	2010	4	8 %	17.8	11 %	21.9	10 %
	2011	4.7	8 %	13.3	8 %	18	8 %

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Table 6: continued

		Fixed		Trawl		All gear		
		Total	Discard	Total	Discard	Total	Discard	
		Year	Discards	Discards	Rate	Discards	Rate	
Bering Sea and Aleutian Islands	Pollock	2007	0.5	16	16 %	16.5	1 %	
		2008	0.9	16	16 %	7.7	1 %	
		2009	0.6	13	13 %	6.4	1 %	
		2010	0.8	20	20 %	3.9	0 %	
		2011	0.9	15	15 %	4.9	0 %	
	Sablefish	2007	0.1	3	0	7 %	0.1	3 %
		2008	0.1	5	0	0 %	0.1	5 %
		2009	0	1	0	4 %	0	1 %
		2010	0	2	0	3 %	0	2 %
		2011	0	1	0	3 %	0	1 %
	Pacific Cod	2007	1.6	2	1	1 %	2.5	1 %
		2008	1.7	1	0.5	1 %	2.2	1 %
		2009	1.6	1	0.6	1 %	2.3	1 %
		2010	1.6	1	1.4	2 %	2.9	2 %
		2011	1.9	1	0.5	1 %	2.5	1 %
	Flatfish	2007	2.2	52	51.1	24 %	53.3	25 %
		2008	2.8	66	30.7	12 %	33.4	12 %
		2009	2.9	62	23.8	11 %	26.7	12 %
		2010	2.3	45	22.8	9 %	25.1	10 %
		2011	2.5	51	22.4	8 %	24.9	9 %
Rockfish	2007	0.3	61	6.2	27 %	6.5	28 %	
	2008	0.2	56	2.3	11 %	2.6	12 %	
	2009	0.2	50	2	11 %	2.3	12 %	
	2010	0.3	42	1.4	6 %	1.7	7 %	
	2011	0.1	38	1	4 %	1.1	4 %	
Atka Mackerel	2007	0.1	97	2	3 %	2.1	4 %	
	2008	0.1	98	1.1	2 %	1.3	2 %	
	2009	0.1	84	2.9	4 %	2.9	4 %	
	2010	0.1	52	3.9	6 %	4	6 %	
	2011	0	82	1.7	3 %	1.8	3 %	
All Groundfish	2007	14	11	88.2	5 %	102.2	6 %	
	2008	18	13	51.2	4 %	69.3	4 %	
	2009	16.3	11	45.1	4 %	61.4	5 %	
	2010	14.8	11	40.1	3 %	54.9	4 %	
	2011	20.8	12	37.7	2 %	58.5	3 %	

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Table 6: continued

		Fixed		Trawl		All gear		
		Total	Discard	Total	Discard	Total	Discard	
		Year	Discards	Discards	Rate	Discards	Rate	
All Alaska	Pollock	2007	0.5	15 %	17.5	1 %	18	1 %
		2008	0.9	17 %	10.4	1 %	11.3	1 %
		2009	0.6	13 %	8.3	1 %	8.9	1 %
		2010	1	22 %	4.1	0 %	5.1	1 %
		2011	0.9	16 %	5.9	0 %	6.8	1 %
	Sablefish	2007	0.3	2 %	0.2	15 %	0.5	3 %
		2008	0.8	6 %	0.1	7 %	0.9	6 %
		2009	0.8	7 %	0.1	8 %	0.9	7 %
		2010	0.4	4 %	0.1	5 %	0.5	4 %
		2011	0.4	3 %	0.2	15 %	0.6	4 %
	Pacific Cod	2007	1.9	2 %	2.1	2 %	4	2 %
		2008	2	1 %	3.5	5 %	5.5	3 %
		2009	2.5	2 %	3.6	5 %	6.1	3 %
		2010	2	1 %	3.8	5 %	5.8	3 %
		2011	3	2 %	1.2	1 %	4.2	1 %
	Flatfish	2007	2.8	58 %	62.1	25 %	64.9	25 %
		2008	3.7	71 %	40.8	13 %	44.5	14 %
		2009	3.4	64 %	36.2	14 %	39.6	15 %
		2010	2.8	50 %	33.1	12 %	35.9	12 %
		2011	2.8	53 %	29.8	9 %	32.6	10 %
Rockfish	2007	0.7	36 %	7.2	16 %	7.9	17 %	
	2008	0.5	30 %	3.6	8 %	4.2	9 %	
	2009	0.5	32 %	3.7	9 %	4.2	10 %	
	2010	0.7	33 %	2.8	6 %	3.4	7 %	
	2011	0.4	28 %	2.6	5 %	3	6 %	
Atka Mackerel	2007	0.1	97 %	2.5	4 %	2.6	4 %	
	2008	0.1	98 %	2.4	4 %	2.6	4 %	
	2009	0.1	87 %	3.8	5 %	3.9	5 %	
	2010	0.1	67 %	5.1	7 %	5.2	7 %	
	2011	0.1	85 %	2.3	4 %	2.4	4 %	
All Groundfish	2007	18.3	11 %	105.6	6 %	123.9	6 %	
	2008	22.6	12 %	72.3	5 %	95	5 %	
	2009	21.7	12 %	67	5 %	88.8	6 %	
	2010	18.9	10 %	57.9	4 %	76.8	5 %	
	2011	25.5	11 %	51	3 %	76.5	4 %	

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Table 6: continued

		Fixed		Trawl		All gear	
Year	Total Discards	Discard Rate	Total Discards	Discard Rate	Total Discards	Discard Rate	

**Notes:** All groundfish and all gear may include additional categories. Although these are the best available estimates of discards and are used for several management purposes, these estimates are not necessarily accurate. The reasons for this are as follows: 1) they are wholly or partially derived from observer estimates; 2) discards occur at many different places on vessels; 3) observers record only a rough approximation of what they see; 4) the sampling methods used by at-sea observers provide the basis for NMFS to make good estimates of total catch by species, not the disposition of that catch.

**Source:** Catch-accounting system estimates (housed at the Alaska Fisheries Information Network (AK-FIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 7: Gulf of Alaska groundfish discards by species, gear, and target fishery, 2010 - 2011 (1,000 metric tons, round weight)

Target		Pollock	Sablefish	Pacific Cod	Arrowtooth	Flathead Sole	Shallow	Atka Mackerel	All
Hook & line	Sablefish	0	0.2	0	0.2	-	0	-	0.9
	Pacific Cod	0.1	0	0.3	0.2	0	0	0	2.3
	Rockfish	-	*	0	-	-	-	-	0
	All	0.1	0.4	0.4	0.4	0	0	0	3.7
Pot	Pacific Cod	0	*	0	0	*	0	0.1	0.3
	All	0	*	0	0	*	0	0.1	0.3
2010 Trawl	Pollock, Bottom	0	0	0	0.1	0	0	0	0.3
	Pollock, Pelagic	0.2	0	0	0	0	0	0	0.4
	Sablefish	0	0	0	0.1	*	0	-	0.1
	Pacific Cod	0.1	0	0	0.2	0	0.2	0	0.7
	Arrowtooth	0.1	0	0.2	0.9	0.1	0	0.2	1.9
	Flathead Sole	0.2	0	0.1	2.5	0	0	0	2.9
	Rex Sole	0.2	0	0.1	4	0	0	0	4.7
	Flatfish, Shallow	0.3	0	2	1.3	0	0.1	0	4.2
	Rockfish	0	0	0	0.5	0	0	1	2.5
	All	1.1	0	2.4	9.6	0.2	0.3	1.2	17.8
All gear	All	1.2	0.4	2.9	10	0.2	0.3	1.2	21.9

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Table 7: continued

	Target	Pollock	Sablefish	Pacific Cod	Arrowtooth Sole	Flathead Sole	Shal- low	Atka Mack- erel	All
Hook & line	Sablefish	0	0.3	0.1	0.2	0	0	-	1.2
	Pacific Cod	0	0	0.1	0.1	0	0	0	1.2
	Rockfish	-	*	0	-	-	-	-	0
	All	0	0.4	1	0.3	0	0	0	3.8
Pot	Pacific Cod	0	0	0.2	0	*	0	0	0.9
	All	0	0	0.2	0	*	0	0	0.9
2011	Pollock, Bot- tom	0.2	0	0	0.5	0	0	0	0.9
	Pollock, Pelagic	0.5	0	0	0	0	0	0	0.6
	Sablefish	0	0	0	0	0	0	-	0.1
	Trawl Pacific Cod	0	0	0	0.2	0	0.1	0	0.6
	Arrowtooth	0.9	0.2	0.1	2.5	0	0	0	4.8
	Flathead Sole	0	0	0	0.7	0	0	0	0.8
	Rex Sole	0	0	0	1.5	0	0	*	1.9
	Flatfish, Shallow	0.1	0	0.4	1.1	0	0	*	1.8
	Rockfish	0.2	0	0	0.2	0	0	0.5	1.9
	All	1.9	0.2	0.6	6.8	0.1	0.2	0.5	13.2
All gear	All	2	0.5	1.8	7.1	0.1	0.2	0.5	17.9

**Notes:** Totals may include additional categories. The target, determined by AKR staff, is based on processor, trip, processing mode, NMFS area, and gear. These estimates include only catch counted against federal TACs. Although these are the best available estimates of discards and are used for several management purposes, these estimates are not necessarily accurate. The reasons for this are as follows: 1) they are wholly or partially derived from observer estimates; 2) discards occur at many different places on vessels; 3) observers record only a rough approximation of what they see; and 4) the sampling methods used by at-sea observers provide NMFS the basis to make good estimates of total catch by species, not the disposition of that catch.

**Source:** Catch-accounting system estimates (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 8: Bering Sea and Aleutian Islands groundfish discards by species, gear, and target fishery, 2010 - 2011 (1,000 metric tons, round weight)

	Target	Kamchatka											All	
		Pollock	Sablefish	Pacific Cod	Arrowtooth	Flounder	Flathead	Rock Sole	Turbot	Yellowfin	Flat Other	Rockfish		Atka Mackerel
Hook & line	Sablefish	0	0	0	0.1	-	*	-	0	-	0	0	-	0.2
	Pacific Cod	0.8	0	1.6	1.3	-	0.3	0	0	0.2	0.1	0.2	0	13.5
	Arrowtooth	*	0	*	0	-	0	-	0	-	*	0	-	0
	Turbot	0	0	0	0.1	-	0	*	0	-	0	0	-	0.5
	Rockfish	-	*	-	0	-	-	-	*	-	*	0	-	0
	All	0.8	0	1.6	1.5	-	0.3	0	0.1	0.2	0.1	0.3	0	14.4
2010 Pot	Sablefish	*	*	*	*	-	*	-	*	-	*	*	-	*
	Pacific Cod	0	-	0	0	-	0	0	-	0	0	0	0	0.3
	All	0	*	0	0	-	0	0	*	0	0	0	0	0.3
Trawl	Pollock, Bottom	0	0	0	0.3	-	0.1	0.1	0	0	0	0	0	0.9
	Pollock, Pelagic	0.5	0	0	0.2	-	0.9	0.3	0	0.3	0	0	0	3
	Pacific Cod	1.2	*	0.2	0.4	-	0.1	0.6	0	0	0.1	0	0	3.3
	Arrowtooth	0.1	0	0	1.3	-	0	0	0.1	0	0	0.1	0	1.8
	Flathead Sole	0.4	*	0	1.1	-	0.2	0.2	0	0.1	0.2	0	*	2.7
	Rock Sole	0.3	*	0.1	1.1	-	0.1	1	0	0.4	1.1	0	*	5.7
	Turbot	*	*	-	0	-	-	-	0	-	*	0	-	0
	Yellowfin	0.4	-	1	0.8	-	0.1	0.9	0	4.3	5.8	*	0	16.2
	Other Flatfish	0	-	0	0	-	0	0	*	0	0	*	-	0
	Rockfish	0.1	0	0	0.2	-	0	0	0	*	0	0.2	0	0.5
	Atka Mackerel	0.1	0	0	0.1	-	0	0	0	*	0	1.1	3.9	5.9
	All	3.1	0	1.4	5.7	-	1.6	3.1	0.1	5.2	7.2	1.4	3.9	40.1
	All gear	All	3.9	0	2.9	7.2	-	1.8	3.1	0.2	5.4	7.3	1.7	4

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Table 8: continued

	Target	2011											All	
		Pollock	Pacific Sablefish	Pacific Cod	Arrowtooth	Kamchatka Flounder	Flathead Sole	Rock Sole	Turbot	Yellow Fin	Flat Other	Rockfish		Atka Mackerel
Hook & line	Sablefish	*	0	0	0	0	-	-	0	*	*	0	-	0.2
	Pacific Cod	0.8	0	1.9	1.1	0	0.3	0	0	0.7	0	0.1	0	19.3
	Arrowtooth	-	*	-	*	-	-	-	*	-	-	*	-	*
	Turbot	0	0	0	0.1	*	0	-	0	*	*	0	*	0.5
	All	0.8	0	1.9	1.2	0	0.3	0	0	0.7	0	0.1	0	20
Pot	Sablefish	*	0	0	0	0	-	-	0	-	0	0	-	0.1
	Pacific Cod	0	0	0	0	-	0	0	0	0	0	0	0	0.7
	All	0	0	0	0	0	0	0	0	0	0	0	0	0.8
Trawl	Pollock, Bottom	0	0	0	0.1	0	0.1	0.3	0	0	0	0.1	0.1	1.1
	Pollock, Pelagic	0.5	0	0	0.2	0	1.1	2.2	0	0.3	0	0.2	0	5.6
	Pacific Cod	2	*	0.1	0.2	0	0.2	0.8	0	0	0.2	0	0.1	4.2
	Arrowtooth	0.3	0	0	0.4	0.1	0	0	0	0	0	0.1	0.1	1.3
	Kamchatka Flounder	0	0	0	0	0	0	0	0	0	0	0	0	0.3
	Flathead Sole	0.2	-	0	0.1	0	0	0	0	0	0	0	*	0.6
	Rock Sole	0.5	-	0.1	0.3	0	0	0.7	0	0.3	1.2	0	0	4.5
	Turbot	*	*	-	0	0	*	*	0	-	*	0	-	0
	Yellowfin	0.5	*	0.3	1	0	0.1	0.4	0	3.4	7.6	0	0	16.6
	Other Flatfish	0	-	0	0	*	0	0	*	0	0.1	-	-	0.2
	Rockfish	0	0	0	0.2	0.1	0	0	0	0	0	0.3	0.3	1.2
	Atka Mackerel	0	0	0	0	0	0	0	0	-	0	0.4	1.2	2.1
	All	4	0	0.5	2.7	0.3	1.5	4.5	0	4.1	9.2	1	1.7	37.7
	All gear	4.9	0	2.5	4	0.4	1.8	4.5	0.1	4.7	9.3	1.1	1.8	58.5

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Table 8: continued

Target	Pollock	Pacific Sablefish	Cod	Arrowtooth	Kamchatka Floun- doh	Flathead Sole	Rock Sole	Turbot	Yellow Fin	Flat Other	Atka Mack- rel	Rockfish	All
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**Notes:** Totals may include additional categories. The target, determined by AKR staff, is based on processor, trip, processing mode, NMFS area, and gear. These estimates include only catch counted against federal TACs. Although these are the best available estimates of discards and are used for several management purposes, these estimates are not necessarily accurate. The reasons for this are discussed in the Notes for Table 7.

**Source:** Catch-accounting system estimates (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 9: Gulf of Alaska groundfish discard rates by species, gear, and target fishery, 2010 - 2011  
(percent)

	Target	Pollock	Sablefish	Pacific Cod	Arrowtooth	Flathead Sole	Rex Sole	Flat Deep	Flat Shallow	Rockfish	Atka Mack- erel	All	
2010	Hook & line	Sablefish	57	3	8	85	-	-	100	100	31	-	10
		Pacific Cod	42	94	2	100	97	100	100	98	69	100	12
		Rockfish	-	*	0	-	-	-	-	-	0	-	0
		All	42	4	2	93	97	100	100	98	28	100	12
	Pot	Pacific Cod	75	*	0	100	*	-	-	77	100	100	1
		All	75	*	0	100	*	-	-	77	100	100	1
		Pollock, Bot- tom	0	32	3	6	3	5	0	4	53	0	1
		Pollock, Pelagic	0	55	1	6	4	9	84	3	7	0	1
	Trawl	Sablefish	51	1	47	100	*	97	92	100	14	-	23
		Pacific Cod	19	0	0	76	37	56	90	23	36	94	4
		Arrowtooth	22	14	28	7	6	3	4	4	39	99	11
		Flathead Sole	54	2	19	94	4	4	52	2	67	2	55
		Rex Sole	37	5	13	96	3	0	86	8	57	72	57
	Flatfish, Shallow	40	11	74	73	2	2	33	2	51	100	38	
	Rockfish	3	6	4	67	17	8	60	27	4	46	9	
	All	1	5	11	40	4	2	45	5	6	49	11	
All gear	All	2	4	5	41	5	2	46	5	7	51	10	

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Table 9: continued

Target		Pollock	Sablefish	Pacific Cod	Arrowtooth	Flathead Sole	Rex Sole	Flat Deep	Flat Shallow	Rockfish	Atka Mack- rel	All
Hook & line	Sablefish	18	3	61	90	100	-	100	100	27	-	11
	Pacific Cod	16	88	1	93	98	*	100	97	38	99	7
	Rockfish	-	*	0	-	-	-	-	-	0	-	0
	All	17	4	6	91	98	*	100	98	25	99	12
Pot	Pacific Cod	45	100	1	99	*	-	-	94	99	99	3
	All	45	100	1	99	*	-	-	94	99	99	3
2011  Trawl	Pollock, Bot- tom	1	1	0	32	2	5	9	6	1	0	4
	Pollock, Pelagic	1	2	0	2	2	4	0	5	62	0	1
	Sablefish	81	0	1	97	48	49	86	42	17	-	27
	Pacific Cod	5	0	0	48	9	20	63	13	14	99	4
	Arrowtooth	42	44	7	11	3	2	41	2	49	2	14
	Flathead Sole	42	1	11	85	4	4	89	3	29	1	48
	Rex Sole	17	9	13	81	6	2	93	7	66	*	47
	Flatfish, Shallow	29	0	53	75	1	3	84	0	56	*	35
	Rockfish	20	4	2	70	34	31	81	50	4	35	8
	All	2	16	4	22	3	3	59	5	7	35	8
	All gear	All	2	5	3	23	4	3	61	5	8	35

**Notes:** Totals may include additional categories. The target, determined by AKR staff, is based on processor, trip, processing mode, NMFS area, and gear. These estimates include only catch counted against federal TACs. Although these are the best available estimates of discards and are used for several management purposes, these estimates are not necessarily accurate. The reasons for this are as follows: 1) they are wholly or partially derived from observer estimates; 2) discards occur at many different places on vessels; 3) observers record only a rough approximation of what they see; and 4) the sampling methods used by at-sea observers provide the basis for NMFS to make good estimates of total catch by species, not the disposition of that catch.

**Source:** Catch-accounting system estimates (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 10: Bering Sea and Aleutian Islands groundfish discard rates by species, gear, and target fishery, 2010 - 2011 (percent)

		Target	Pollock	Pacific Sablefish	Cod	Arrowtooth Sole	Flathead Sole	Rockfish	Atka Mack- erel	All
Hook & line	Sablefish	57	3	8	85	-	31	-	10	
	Pacific Cod	42	94	2	100	97	69	100	12	
	Rockfish	-	*	0	-	-	0	-	0	
	All	42	4	2	93	97	28	100	12	
Pot	Pacific Cod	75	*	0	100	*	100	100	1	
	All	75	*	0	100	*	100	100	1	
2010	Pollock, Bot- tom	0	32	3	6	3	53	0	1	
	Pollock, Pelagic	0	55	1	6	4	7	0	1	
	Trawl	Sablefish	51	1	47	100	*	14	-	23
		Pacific Cod	19	0	0	76	37	36	94	4
		Arrowtooth	22	14	28	7	6	39	99	11
		Flathead Sole	54	2	19	94	4	67	2	55
		Rockfish	3	6	4	67	17	4	46	9
		Atka Mack- erel	-	-	-	-	-	*	*	*
		All	1	5	11	40	4	6	49	11
All gear	All	2	4	5	41	5	7	51	10	

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Table 10: continued

	Target	Pollock	Sablefish	Pacific Cod	Arrowtooth Sole	Flathead Sole	Rockfish	Atka Mack- erel	All
Hook & line	Sablefish	18	3	61	90	100	27	-	11
	Pacific Cod	16	88	1	93	98	38	99	7
	Rockfish	-	*	0	-	-	0	-	0
	All	17	4	6	91	98	25	99	12
Pot	Pacific Cod	45	100	1	99	*	99	99	3
	All	45	100	1	99	*	99	99	3
2011	Pollock, Bot- tom	1	1	0	32	2	1	0	4
	Pollock, Pelagic	1	2	0	2	2	62	0	1
	Sablefish	81	0	1	97	48	17	-	27
	Pacific Cod	5	0	0	48	9	14	99	4
	Arrowtooth	42	44	7	11	3	49	2	14
	Flathead Sole	42	1	11	85	4	29	1	48
	Rockfish	20	4	2	70	34	4	35	8
	Atka Mack- erel	*	*	*	*	*	*	*	*
	All	2	16	4	22	3	7	35	8
	All gear	All	2	5	3	23	4	8	35

**Notes:** Totals may include additional categories. The target, determined by AKR staff, is based on processor, trip, processing mode, NMFS area, and gear. These estimates include only catch counted against federal TACs. Although these are the best available estimates of discards and are used for several management purposes, these estimates are not necessarily accurate. The reasons for this are discussed in the Notes for Table 9.

**Source:** Catch-accounting system estimates (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 11: Prohibited species catch by species, area and gear, 2007 - 2011 (metric tons (t) or number in 1,000s)

	Year	Halibut	Herring	Chinook	Other	Red	Other		
		(t)	(t)	(1,000s)	salmon (1,000s)	King Crab (1,000s)	King Crab (1,000s)	Bairdi (1,000s)	Other tanner (1,000s)
Hook & line	2007	-	-	0	0	-	0	0	0
	2008	-	-	-	0	0	0	2	0
	2009	-	-	-	0	-	0	1	0
	2010	-	-	-	0	-	-	2	0
	2011	-	-	-	0	-	0	6	-
Gulf of Alaska	2007	15	-	-	-	-	-	106	4
	2008	21	-	-	-	-	-	104	0
	2009	5	-	-	-	-	-	17	-
	2010	24	-	-	-	-	-	140	-
	2011	38	-	-	-	-	-	12	-
Trawl	2007	1945	20	40	3	-	0	204	2
	2008	1960	1	16	2	-	0	134	2
	2009	1830	9	8	2	-	3	229	1
	2010	1637	2	54	2	-	3	93	*
	2011	1856	10	21	3	-	0	102	1
All gear	2007	1960	20	41	4	-	0	311	7
	2008	1982	1	16	2	0	0	240	2
	2009	1835	9	8	2	-	3	247	1
	2010	1661	2	54	2	-	3	235	0
	2011	1894	10	21	3	-	0	120	1
Hook & line	2007	535	-	0	0	8	5	16	44
	2008	736	0	0	0	8	10	33	92
	2009	722	*	0	0	7	15	35	67
	2010	631	-	0	0	2	2	26	61
	2011	552	*	0	0	6	2	22	62
Bering Sea and Aleutian Islands	2007	4	-	0	-	24	494	473	591
	2008	7	-	-	-	40	182	1428	585
	2009	2	-	-	-	3	141	417	554
	2010	5	-	-	-	2	70	375	291
	2011	6	-	-	-	17	192	291	132
Trawl	2007	3539	409	129	97	101	9	759	1903
	2008	2835	215	24	17	90	31	677	795
	2009	2886	63	14	47	76	18	481	527
	2010	2823	356	12	15	60	13	508	1721
	2011	2619	397	27	195	46	53	902	763
All gear	2007	4077	409	130	97	132	509	1248	2538
	2008	3578	215	24	17	139	222	2139	1472
	2009	3610	63	14	48	86	174	933	1148
	2010	3459	356	12	15	64	86	909	2074
	2011	3178	397	27	195	69	247	1215	957
All Alaska	2007	6037	429	170	101	132	509	1559	2544
	2008	5559	216	40	19	139	223	2378	1474

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Table 11: continued

Year	Halibut (t)	Herring (t)	Chinooksalmon (1,000s)	Other King Crab (1,000s)	Red King Crab (1,000s)	Other King Crab (1,000s)	Bairdi (1,000s)	Other tanner (1,000s)
2009	5445	72	22	50	86	177	1179	1149
2010	5120	358	67	17	64	89	1144	2074
2011	5072	408	47	198	69	247	1335	958

**Notes:** These estimates include only catches counted against federal TACs. Totals may include additional categories. The estimates of halibut bycatch mortality are based on the IPHC discard mortality rates that were used for in-season management. The halibut IFQ program allows retention of halibut in the hook-and-line groundfish fisheries, making true halibut bycatch numbers unavailable. This is particularly a problem in the GOA for all hook-and-line fisheries and in the BSAI for the sablefish hook-and-line fishery. Therefore, estimates of halibut bycatch mortality are not included in this table for those fisheries.

**Source:** Catch-accounting system estimates (housed at the Alaska Fisheries Information Network (AK-FIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 12: Prohibited species catch in the Gulf of Alaska by species, gear, and groundfish target fishery, 2010 - 2011 (Metric tons (t) or number in 1,000s)

		Halibut	Herring	Chinook	Other	Other	Bairdi	Other
Target		(t)	(t)	(1,000s)	salmon	King	(1,000s)	tanner
		(t)	(t)	(1,000s)	(1,000s)	Crab	(1,000s)	(1,000s)
Hook & line	Sablefish	-	-	-	0.2	-	0.1	0.1
	Pacific Cod	-	-	-	0	-	2.4	0
	All	-	-	-	0.2	-	2.4	0.1
Pot	Pacific Cod	24.3	-	-	-	-	140	-
2010	Pollock, Bottom	18.3	-	32	0.4	-	0.1	-
	Pollock, Pelagic	13.8	0.9	12.7	0.3	-	0	-
	Sablefish	2.9	-	-	*	-	*	*
	Pacific Cod	246.8	-	0.4	0.1	-	2.6	-
	Trawl Arrowtooth	410	0	3.9	0.1	-	47.2	-
	Flathead Sole	166.8	0.8	0.5	-	-	6.5	-
	Rex Sole	248	*	2.3	*	-	14.3	-
	Flatfish, Deep	*	-	-	-	-	-	-
	Flatfish, Shallow	434.2	0	1	0.4	-	21.8	-
	Rockfish	94.8	0.2	1.6	0.4	3	*	-
	Atka Mackerel	*	-	-	*	-	-	-
	All	1635.6	1.9	54.5	1.7	3	92.4	*
	All gear	All	1659.9	1.9	54.5	1.9	3	234.9

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Table 12: continued

Target		Halibut (t)	Herring (t)	Chinook (1,000s)	Other salmon (1,000s)	Other King Crab (1,000s)	Bairdi (1,000s)	Other tanner (1,000s)
Hook & line	Sablefish	-	-	-	0.3	0.1	-	-
	Pacific Cod	-	-	-	-	-	5.5	-
	All	-	-	-	0.3	0.1	5.5	-
Pot	Pacific Cod	38.3	-	-	-	-	12.3	-
2011  Trawl	Pollock, Bot- tom	104	-	4.3	0.4	-	10	-
	Pollock, Pelagic	12.4	10.5	9.5	0.8	-	-	-
	Sablefish	4	-	-	-	0.1	-	-
	Pacific Cod	455.4	-	1.4	-	*	0.2	-
	Arrowtooth	791.6	-	3	0.4	0	75.1	0.8
	Flathead	59.7	-	0	-	-	5.2	-
	Sole							
	Rex Sole	109.8	-	1.4	0.2	-	6.1	-
	Flatfish, Shallow	245.8	-	*	0.6	-	5.1	-
	Rockfish	72.5	-	1	0.2	*	*	-
	Atka Mack- erel	*	-	*	-	-	-	-
	All	1855.3	10.5	20.5	2.6	0.1	101.8	0.8
All gear	All	1893.6	10.5	20.5	2.9	0.3	119.6	0.8

**Notes:** These estimates include only catches counted against federal TACs. Totals may include additional categories. The target, determined by AKR staff, is based on processor, trip, processing mode, NMFS area and gear. The estimates of halibut PSC mortality are based on the International Pacific Halibut Commission discard mortality rates that were used for in-season management. The halibut Individual Fishing Quota program allows retention of halibut in the hook-and-line groundfish fisheries, making true halibut PSC numbers unavailable. Therefore, estimates of halibut PSC mortality are not included in this table for those fisheries.

**Source:** Catch-accounting system estimates (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 13: Prohibited species catch in the Bering Sea and Aleutian Islands by species, gear, and groundfish target fishery, 2010 - 2011 (Metric tons (t) or number in 1,000s)

Target		Halibut (t)	Herring (t)	Chinook (1,000s)	Other salmon (1,000s)	Red King Crab (1,000s)	Other King Crab (1,000s)	Bairdi (1,000s)	Other tanner (1,000s)
Hook & line	Sablefish	-	-	-	-	-	1	-	-
	Pacific Cod	620	-	0	0	2	1.3	26	61.2
	Arrowtooth	0.3	-	-	-	-	0.1	0	-
	Turbot	10.4	-	-	0	*	0.1	0	0.1
	Rockfish	*	-	-	-	-	*	-	-
	Other Ground- fish	*	-	-	-	-	-	-	-
	All	630.7	-	0	0.1	2	2.4	26.1	61.4
2010 Pot	Sablefish	*	-	-	-	-	*	-	*
	Pacific Cod	2.3	-	-	-	2.5	44.4	374.9	288.9
	All	5.3	-	-	-	2.5	70.4	374.9	288.9
Trawl	Pollock, Bot- tom	143.9	161.3	2.5	0.9	1	-	12	5.1
	Pollock, Pelagic	120.5	190.2	7.2	12.7	0	0	0.8	4.3
	Pacific Cod	290.7	*	1.2	0	0.5	0	27.6	5.4
	Arrowtooth	190.4	*	*	-	0.8	5.5	3	1.2
	Flathead Sole	176.9	0.5	-	*	0.8	0.2	74.4	96.9
	Rock Sole	918.6	0.5	0.5	0.2	36.8	*	97.4	29.7
	Turbot	*	-	-	-	-	*	-	-
	Yellowfin	863.7	3.3	0.1	*	18.5	0.2	290.2	1577.6
	Other Flat- fish	*	-	-	-	-	*	1.4	0.4
	Rockfish	57.7	-	0.5	-	-	3.5	0.7	0.5
	Atka Mack- erel	55.4	-	0.2	0.8	1.3	3.1	*	-
	Other Ground- fish	*	-	-	-	-	-	*	*
All	2817.7	355.8	12.4	14.8	59.7	12.5	507.6	1721.1	
All gear	All	3453.7	355.8	12.4	14.8	64.2	85.3	908.5	2071.4

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Table 13: continued

	Target	Halibut (t)	Herring (t)	Chinook (1,000s)	Other salmon (1,000s)	Red King Crab (1,000s)	Other King Crab (1,000s)	Bairdi (1,000s)	Other tanner (1,000s)
	Pollock, Bot- tom	*	-	-	-	-	-	-	-
	Sablefish	-	-	-	-	0	0.5	-	0
Hook & line	Pacific Cod	547.7	*	0	0.1	6.2	1.2	22	62.1
	Arrowtooth	-	-	-	-	-	*	-	-
	Turbot	4.4	-	-	0.1	-	0.1	-	0
	Other Ground- fish	*	-	-	-	-	-	-	-
	All	552.1	*	0	0.2	6.2	1.9	22	62.1
	Sablefish	1.4	-	-	-	0.4	190.9	0.9	0.3
Pot	Pacific Cod	5.1	-	-	-	16.5	1	290	132
2011	All	6.4	-	-	-	16.9	191.9	291	132.4
	Pollock, Bot- tom	146.9	31.7	1.4	9	0.6	-	7.5	2.1
	Pollock, Pelagic	235.2	345.6	24.1	184.6	*	*	2.9	4.3
	Pacific Cod	260.4	*	0.4	0.1	2.3	0.1	14.7	9.9
	Arrowtooth	181.1	0.2	-	*	*	2.9	2.9	2
Trawl	Kamchatka Flounder	92.7	-	-	-	-	10.5	*	*
	Flathead Sole	69.2	*	-	*	1.9	-	33.6	53.8
	Rock Sole	504.6	0.2	*	*	29.4	*	73.5	13.5
	Turbot	1	-	-	-	-	-	-	-
	Yellowfin	906.5	19	-	0.4	9.7	*	763.5	675.3
	Other Flat- fish	8.1	-	-	-	*	-	2.3	1.6
	Rockfish	97.4	-	*	-	*	5.3	0.4	*
	Atka Mack- erel	114.9	-	0.3	0.1	1.8	33.5	*	-
	Other Ground- fish	*	-	-	-	-	-	-	-
	All	2617.9	396.8	26.2	194.3	45.5	52.2	901.1	762.5
All gear	All	3176.5	396.8	26.3	194.5	68.7	246	1214.1	957

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Table 13: continued

Target	Halibut (t)	Herring (t)	Chinook (1,000s)	Other salmon (1,000s)	Red King Crab (1,000s)	Other King Crab (1,000s)	Bairdi (1,000s)	Other tanner (1,000s)
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**Notes:** These estimates include only catches counted against federal TACs. Totals may include additional categories. The target, determined by AKR staff, is based on processor, trip, processing mode, NMFS area and gear. The estimates of halibut PSC mortality are based on the International Pacific Halibut Commission discard mortality rates that were used for in-season management. The halibut Individual Fishing Quota program allows retention of halibut in the hook-and-line groundfish fisheries, making true halibut PSC numbers unavailable. This is particularly a problem in the Bering Sea and Aleutian Islands sablefish hook-and-line fishery. Therefore, estimates of halibut PSC mortality are not included in this table for that fishery.

**Source:** Catch-accounting system estimates (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 14: Prohibited species catch rates in the Gulf of Alaska by species, gear, and groundfish target fishery, 2010 - 2011 (Metric tons per metric ton or numbers per metric ton)

		Halibut	Herring	Chinook	Other	Other	Bairdi	Other	
Target		(t)	(t)	(1,000s)	salmon	King	(1,000s)	tanner	
		(t)	(t)	(1,000s)	(1,000s)	Crab	(1,000s)	(1,000s)	
Hook & line	Sablefish	-	-	-	0.018	-	0.008	0.006	
	Pacific Cod	-	-	-	0	-	0.121	0.001	
	All	-	-	-	0.005	-	0.077	0.002	
Pot	Pacific Cod	0.001	-	-	-	-	6.795	-	
2010	Pollock, Bottom	0.001	-	1.229	0.017	-	0.004	-	
	Pollock, Pelagic	0	0	0.246	0.006	-	0	-	
	Sablefish	0.007	-	-	*	-	*	*	
	Pacific Cod	0.014	-	0.025	0.006	-	0.15	-	
	Trawl Arrowtooth	0.023	0	0.223	0.004	-	2.666	-	
	Flathead	0.031	0	0.092	-	-	1.203	-	
	Sole	0.03	*	0.275	*	-	1.705	-	
	Flatfish, Deep	*	-	-	-	-	-	-	
	Flatfish, Shallow	0.039	0	0.09	0.039	-	1.939	-	
	Rockfish	0.003	0	0.056	0.013	0.106	*	-	
	Atka Mack-erel	*	-	-	*	-	-	-	
	All	0.01	0	0.327	0.01	0.018	0.555	*	
	All gear	All	0.008	0	0.249	0.009	0.014	1.074	0

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Table 14: continued

Target		Halibut (t)	Herring (t)	Chinook (1,000s)	Other salmon (1,000s)	Other King Crab (1,000s)	Bairdi (1,000s)	Other tanner (1,000s)
Hook & line	Sablefish	-	-	-	0.028	0.013	-	-
	Pacific Cod	-	-	-	-	-	0.307	-
	All	-	-	-	0.009	0.004	0.175	-
Pot	Pacific Cod	0.001	-	-	-	-	0.405	-
2011  Trawl	Pollock, Bot- tom	0.005	-	0.206	0.019	-	0.484	-
	Pollock, Pelagic	0	0	0.155	0.014	-	-	-
	Sablefish	0.013	-	-	-	0.428	-	-
	Pacific Cod	0.033	-	0.097	-	*	0.015	-
	Arrowtooth	0.023	-	0.088	0.011	0	2.195	0.024
	Flathead	0.035	-	0.021	-	-	3.068	-
	Sole							
	Rex Sole	0.028	-	0.344	0.051	-	1.549	-
	Flatfish, Shallow	0.047	-	*	0.115	-	0.978	-
	Rockfish	0.003	-	0.043	0.009	*	*	-
	Atka Mack- erel	*	-	*	-	-	-	-
	All	0.011	0	0.124	0.016	0.001	0.614	0.005
All gear	All	0.008	0	0.09	0.013	0.001	0.525	0.004

**Notes:** These estimates include only catches counted against federal TACs. Totals may include additional categories. The target, determined by AKR staff, is based on processor, trip, processing mode, NMFS area and gear. The estimates of halibut PSC mortality are based on the International Pacific Halibut Commission discard mortality rates that were used for in-season management. The halibut Individual Fishing Quota program allows retention of halibut in the hook-and-line groundfish fisheries, making true halibut PSC numbers unavailable. Therefore, estimates of halibut PSC mortality are not included in this table for those fisheries.

**Source:** Catch-accounting system estimates (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 15: Prohibited species catch rates in the Bering Sea and Aleutian Islands by species, gear, and groundfish target fishery, 2010 - 2011 (Metric tons per metric ton or numbers per metric ton)

Target		Halibut (t)	Herring (t)	Chinook (1,000s)	Other salmon (1,000s)	Red King Crab (1,000s)	Other King Crab (1,000s)	Bairdi (1,000s)	Other tanner (1,000s)
Hook & line	Sablefish	-	-	-	-	-	0.759	-	-
	Pacific Cod	0.006	-	0	0	0.018	0.012	0.239	0.562
	Arrowtooth	0.002	-	-	-	-	0.426	0.052	-
	Turbot	0.004	-	-	0.013	*	0.024	0.013	0.039
	Rockfish	*	-	-	-	-	*	-	-
	Other Ground- fish	*	-	-	-	-	-	-	-
	All	0.006	-	0	0.001	0.018	0.021	0.229	0.539
2010 Pot	Sablefish	*	-	-	-	-	*	-	*
	Pacific Cod	0	-	-	-	0.119	2.144	18.102	13.952
	All	0	-	-	-	0.115	3.298	17.567	13.54
Trawl	Pollock, Bot- tom	0.002	0.002	0.029	0.011	0.011	-	0.138	0.058
	Pollock, Pelagic	0	0	0.01	0.018	0	0	0.001	0.006
	Pacific Cod	0.008	*	0.036	0	0.015	0	0.792	0.156
	Arrowtooth	0.006	*	*	-	0.026	0.176	0.096	0.037
	Flathead Sole	0.008	0	-	*	0.033	0.007	3.224	4.2
	Rock Sole	0.013	0	0.006	0.003	0.508	*	1.346	0.41
	Turbot	*	-	-	-	-	*	-	-
	Yellowfin	0.006	0	0.001	*	0.124	0.002	1.939	10.538
	Other Flat- fish	*	-	-	-	-	*	2.586	0.713
	Rockfish	0.004	-	0.036	-	-	0.233	0.044	0.032
	Atka Mack- erel	0.001	-	0.003	0.01	0.016	0.038	*	-
	Other Ground- fish	*	-	-	-	-	-	*	*
	All	0.002	0	0.01	0.012	0.049	0.01	0.417	1.415
All gear	All	0.003	0	0.009	0.011	0.047	0.063	0.672	1.533

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Table 15: continued

	Target	Halibut (t)	Herring (t)	Chinook (1,000s)	Other salmon (1,000s)	Red King Crab (1,000s)	Other King Crab (1,000s)	Bairdi (1,000s)	Other tanner (1,000s)
	Pollock, Bot- tom	*	-	-	-	-	-	-	-
	Sablefish	-	-	-	-	0.014	0.427	-	0.013
Hook & line	Pacific Cod	0.004	*	0	0.001	0.043	0.009	0.152	0.43
	Arrowtooth	-	-	-	-	-	*	-	-
	Turbot	0.002	-	-	0.029	-	0.042	-	0.005
	Other Ground- fish	*	-	-	-	-	-	-	-
	All	0.004	*	0	0.001	0.042	0.013	0.148	0.418
	Sablefish	0.002	-	-	-	0.67	312.142	1.533	0.546
2011	Pacific Cod	0	-	-	-	0.576	0.034	10.112	4.604
	All	0	-	-	-	0.578	6.549	9.933	4.519
	Pollock, Bot- tom	0.001	0	0.011	0.072	0.005	-	0.06	0.017
	Pollock, Pelagic	0	0	0.022	0.171	*	*	0.003	0.004
	Pacific Cod	0.006	*	0.01	0.003	0.051	0.002	0.33	0.222
	Arrowtooth	0.01	0	-	*	*	0.164	0.164	0.116
Trawl	Kamchatka Flounder	0.009	-	-	-	-	1.065	*	*
	Flathead Sole	0.009	*	-	*	0.242	-	4.306	6.911
	Rock Sole	0.007	0	*	*	0.41	*	1.026	0.188
	Turbot	0.118	-	-	-	-	-	-	-
	Yellowfin	0.005	0	-	0.002	0.048	*	3.795	3.356
	Other Flat- fish	0.004	-	-	-	*	-	1.041	0.711
	Rockfish	0.004	-	*	-	*	0.22	0.018	*
	Atka Mack- erel	0.002	-	0.005	0.002	0.031	0.576	*	-
	Other Ground- fish	*	-	-	-	-	-	-	-
	All	0.002	0	0.016	0.118	0.028	0.032	0.549	0.465
All gear	All	0.002	0	0.014	0.107	0.038	0.135	0.668	0.526

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Table 15: continued

Target	Halibut (t)	Herring (t)	Chinook (1,000s)	Other salmon (1,000s)	Red King Crab (1,000s)	Other King Crab (1,000s)	Bairdi (1,000s)	Other tanner (1,000s)
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**Notes:** These estimates include only catches counted against federal TACs. Totals may include additional categories. The target, determined by AKR staff, is based on processor, trip, processing mode, NMFS area and gear. The estimates of halibut PSC mortality are based on the International Pacific Halibut Commission discard mortality rates that were used for in-season management. The halibut Individual Fishing Quota program allows retention of halibut in the hook-and-line groundfish fisheries, making true halibut PSC numbers unavailable. This is particularly a problem in the Bering Sea and Aleutian Islands sablefish hook-and-line fishery. Therefore, estimates of halibut PSC mortality are not included in this table for that fishery.

**Source:** Catch-accounting system estimates (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 16: Real ex-vessel value of the catch in the domestic commercial fisheries off Alaska by species group, 1984 - 2011 (\$ millions, base year = 2010)

Year	Shellfish	Salmon	Herring	Halibut	Groundfish	Total
1984	263.9	875.3	52.1	50	71.2	1312.4
1985	268.3	977.7	92.6	94.1	108.9	1541.6
1986	421.4	930.5	88.4	161.4	153.4	1755.1
1987	442.1	971.7	85.7	156.7	281.6	1937.8
1988	455.7	1440.7	108.3	127.8	468.4	2601
1989	561.9	1019.8	37.6	169.9	680.9	2470.1
1990	693.8	1068.1	46.9	169.8	878.2	2856.9
1991	579.2	577.3	55	176.2	898.4	2286.2
1992	617.4	1003.2	49.7	88.4	1243.4	3002.2
1993	603.7	718.7	25.9	98.5	811	2257.8
1994	572.3	756.2	38.5	150.9	870.1	2388.1
1995	476.4	835	65.8	100.2	1009.3	2486.7
1996	303.7	600.7	77.7	128.6	898	2008.7
1997	277.9	400.2	25.7	172	842.6	1718.3
1998	343.3	381	17	147.7	587.1	1476.1
1999	408.6	520.8	21.4	176.1	721.5	1848.4
2000	207	358	13.9	195.7	869.2	1643.9
2001	186.2	284.1	15.7	179.8	864	1529.8
2002	223.8	195.4	13.7	193.9	924.9	1551.7
2003	258.3	247.5	13.1	244.3	974.9	1738.1
2004	231	355.5	19.5	235.2	904.8	1746
2005	217.6	405.4	19	219.8	977.1	1838.9
2006	171.1	380.3	12	233.7	1018.2	1815.2
2007	223.3	457.9	18.2	257.5	970.7	1927.7
2008	292.3	467.1	28.9	235.9	1092.9	2117.1
2009	224.1	395.1	33.6	154.3	789	1596.1
2010	217.8	533.9	24.3	211.7	702.7	1690.4
2011	266.4	564.8	12.3	205.2	991.6	2040.3

**Notes:** These estimates include the value of catch from both federal and state of Alaska fisheries. The data have been adjusted to 2011 dollars by applying the Producer Price Index for unprocessed and packaged fish (series number WPU0223) from the Bureau of Labor Statistics at: <http://data.bls.gov/cgi-bin/srgate>.

**Source:** Blend and Catch-Accounting System estimates, Weekly Production Reports (WPR), Commercial Operators Annual Reports (COAR), Fisheries of the United States (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 17: Percentage distribution of ex-vessel value of the catch in the domestic commercial fisheries off Alaska by species group, 1984 - 2011

Year	Shellfish	Salmon	Herring	Halibut	Groundfish
1984	20.1 %	66.7 %	4 %	3.8 %	5.4 %
1985	17.4 %	63.4 %	6 %	6.1 %	7.1 %
1986	24 %	53 %	5 %	9.2 %	8.7 %
1987	22.8 %	50.1 %	4.4 %	8.1 %	14.5 %
1988	17.5 %	55.4 %	4.2 %	4.9 %	18 %
1989	22.7 %	41.3 %	1.5 %	6.9 %	27.6 %
1990	24.3 %	37.4 %	1.6 %	5.9 %	30.7 %
1991	25.3 %	25.3 %	2.4 %	7.7 %	39.3 %
1992	20.6 %	33.4 %	1.7 %	2.9 %	41.4 %
1993	26.7 %	31.8 %	1.1 %	4.4 %	35.9 %
1994	24 %	31.7 %	1.6 %	6.3 %	36.4 %
1995	19.2 %	33.6 %	2.6 %	4 %	40.6 %
1996	15.1 %	29.9 %	3.9 %	6.4 %	44.7 %
1997	16.2 %	23.3 %	1.5 %	10 %	49 %
1998	23.3 %	25.8 %	1.1 %	10 %	39.8 %
1999	22.1 %	28.2 %	1.2 %	9.5 %	39 %
2000	12.6 %	21.8 %	0.8 %	11.9 %	52.9 %
2001	12.2 %	18.6 %	1 %	11.8 %	56.5 %
2002	14.4 %	12.6 %	0.9 %	12.5 %	59.6 %
2003	14.9 %	14.2 %	0.8 %	14.1 %	56.1 %
2004	13.2 %	20.4 %	1.1 %	13.5 %	51.8 %
2005	11.8 %	22 %	1 %	12 %	53.1 %
2006	9.4 %	20.9 %	0.7 %	12.9 %	56.1 %
2007	11.6 %	23.8 %	0.9 %	13.4 %	50.4 %
2008	13.8 %	22.1 %	1.4 %	11.1 %	51.6 %
2009	14 %	24.8 %	2.1 %	9.7 %	49.4 %
2010	12.9 %	31.6 %	1.4 %	12.5 %	41.6 %
2011	13.1 %	27.7 %	0.6 %	10.1 %	48.6 %

**Notes:** These estimates report the distribution of the value of catch from both federal and state of Alaska fisheries.

**Source:** Blend and Catch-Accounting System estimates, Weekly Production Reports (WPR), Commercial Operators Annual Reports (COAR), Fisheries of the United States. (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 18: Ex-vessel prices in the groundfish fisheries off Alaska by area, gear, and species, 2007 - 2011 (\$/lb, round weight)

	Year	Gulf of Alaska		Bering Sea and Aleutian Islands		All Alaska
		Fixed	Trawl	Fixed	Trawl	All gear
Pollock	2007	0.11	0.145	0.098	0.129	0.129
	2008	0.111	0.181	0.015	0.208	0.206
	2009	0.11	0.174	0.097	0.19	0.188
	2010	0.133	0.173	0.145	0.145	0.147
	2011	0.128	0.161	0.178	0.164	0.163
Sablefish	2007	2.812	1.858	2.236	0.921	2.651
	2008	3.276	2.02	2.934	0.922	3.118
	2009	3.452	3.338	2.573	1.288	3.287
	2010	4.077	3.267	4.257	1.604	4.021
	2011	5.463	3.986	5.105	1.792	5.28
Pacific Cod	2007	0.487	0.494	0.463	0.427	0.457
	2008	0.56	0.429	0.571	0.543	0.551
	2009	0.299	0.265	0.273	0.232	0.267
	2010	0.269	0.231	0.299	0.224	0.269
	2011	0.339	0.309	0.33	0.27	0.317
Flatfish	2007	0.695	0.153	0.046	0.186	0.18
	2008	0.279	0.142	0.045	0.163	0.16
	2009	0.171	0.133	0.023	0.143	0.141
	2010	0.793	0.107	0.015	0.148	0.142
	2011	0.512	0.11	0.174	0.182	0.174
Rockfish	2007	0.595	0.166	0.478	0.206	0.196
	2008	0.605	0.169	0.628	0.138	0.168
	2009	0.572	0.091	0.596	0.179	0.145
	2010	0.536	0.123	0.642	0.228	0.185
	2011	0.531	0.135	0.537	0.348	0.262
Atka Mackerel	2007	-	0.12	*	0.139	0.139
	2008	-	0.192	-	0.131	0.131
	2009	-	0.279	-	0.187	0.189
	2010	-	0.277	0.015	0.207	0.208
	2011	-	0.365	0.124	0.268	0.27

- Notes:** 1) Prices are for catch from both federal and state of Alaska fisheries.  
2) Prices do not include the value added by at-sea processing except for the value added by dressing fish at sea where the fish have not been frozen. The unfrozen landings price is calculated as landed value divided by estimated or actual round weight.  
3) Trawl-caught sablefish, rockfish and flatfish in the BSAI and trawl-caught Atka mackerel in both the BSAI and the GOA are not well represented by on-shore landings. A price was calculated for these categories from product-report prices; the price in this case is the value of the product divided by the calculated round weight and multiplied by a constant 0.4 to correct for value added by processing.  
4) The "All Alaska/All gear" column is the weighted average of the other columns.

**Source:** Catch Accounting System, Commercial Operators Annual Report (COAR), weekly processor reports, (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 19: Ex-vessel value of the groundfish catch off Alaska by area, vessel category, gear, and species, 2007 - 2011 (\$ millions)

		Gulf of Alaska			Bering Sea and Aleutian Islands			All Alaska		
		Catcher	Catcher		Catcher	Catcher		Catcher	Catcher	
		vessels	proces-	Total	vessels	proces-	Total	vessels	proces-	Total
Year			sors			sors			sors	
Sablefish	2007	61.6	9.4	71	0.9	2.3	3.3	62.5	11.7	74.2
	2008	70.8	8.9	79.7	1.9	3	4.9	72.7	11.8	84.6
	2009	64.9	7.2	72.1	3.2	3.5	6.6	68.1	10.7	78.8
	2010	73.4	5.9	79.3	5.8	5.3	11.1	79.2	11.2	90.3
	2011	107.8	9.1	116.9	7.3	4.7	11.9	115.1	13.7	128.9
Pacific Cod	2007	8.2	4.8	12.9	1	81.1	82.1	9.2	85.9	95
	2008	10.9	6	16.9	1.7	115.8	117.5	12.6	121.8	134.4
	2009	7.1	3.6	10.7	0.4	60.2	60.6	7.6	63.8	71.4
	2010	7.7	4.9	12.5	0.5	57.7	58.2	8.1	62.6	70.7
	2011	10	6.1	16.1	0.8	84.3	85	10.8	90.4	101.2
Hook & line Flatfish	2007	0	0.1	0.1	*	0.2	0.2	0	0.3	0.3
	2008	0	0	0	*	0.1	0.1	0	0.2	0.2
	2009	0	0	0	*	0.1	0.1	0	0.1	0.1
	2010	0	0.1	0.1	*	0.1	0.1	0	0.2	0.2
	2011	0	0	0	*	0.9	0.9	0	1	1
Rockfish	2007	1.2	0.2	1.4	0	0.2	0.2	1.2	0.4	1.6
	2008	1.2	0.2	1.4	0	0.2	0.2	1.2	0.4	1.7
	2009	1	0.1	1.1	0	0.3	0.3	1	0.4	1.5
	2010	1	0.1	1.1	0.1	0.5	0.6	1.1	0.6	1.7
	2011	0.9	0.1	1	0.1	0.2	0.2	0.9	0.3	1.2
All Species	2007	71.2	14.6	85.8	1.9	87.1	89	73.2	101.6	174.8
	2008	83.5	15.2	98.7	3.6	123	126.6	87.1	138.3	225.4
	2009	73.6	11	84.6	3.7	66.3	69.9	77.2	77.3	154.6
	2010	82.6	11.2	93.7	6.4	65.3	71.6	88.9	76.5	165.4
	2011	119.3	15.6	135	8.1	96	104.1	127.4	111.6	239
Pot	2007	25.4	*	25.4	15.4	*	15.4	40.9	*	40.9
	2008	29.5	*	29.5	19.9	5.9	25.8	49.5	5.9	55.4

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Table 19: continued

		Gulf of Alaska			Bering Sea and Aleutian Islands			All Alaska			
		Catcher	Catcher		Catcher	Catcher		Catcher	Catcher		
		vessels	proces-	Total	vessels	proces-	Total	vessels	proces-	Total	
		Year	sors		sors			sors			
		2009	14.3	*	14.3	6.5	2.9	9.4	20.8	2.9	23.6
		2010	20.6	-	20.6	11.2	3.4	14.6	31.7	3.4	35.1
		2011	34.1	*	34.1	18.1	2.4	20.5	52.2	2.4	54.6
		2007	16.1	0.1	16.3	202.8	176.3	379	218.9	176.4	395.3
		2008	19.3	0.2	19.5	238.5	210.9	449.4	257.8	211.1	468.9
Pollock		2009	15.4	0.5	15.9	180.8	154.5	335.3	196.2	155	351.2
		2010	28.4	0.4	28.8	135.1	122	257.1	163.5	122.4	285.9
		2011	27.7	0.4	28.1	227.1	202.3	429.4	254.9	202.6	457.5
		2007	2	1.8	3.8	0	0.2	0.3	2	2	4.1
		2008	1.9	1.6	3.5	0	0.5	0.5	1.9	2.2	4
Sablefish		2009	3.3	2.6	5.9	0	0.5	0.5	3.3	3.1	6.4
		2010	3.3	2.9	6.1	0	0.4	0.4	3.3	3.2	6.5
		2011	4.5	3.5	8	0	0.3	0.3	4.5	3.8	8.4
		2007	13.6	1.2	14.9	29.6	39.4	69	43.3	40.6	83.9
		2008	15.4	1	16.4	34.2	31.4	65.6	49.6	32.4	82
Pacific Cod		2009	5.6	0.8	6.4	12.5	16.8	29.2	18.1	17.6	35.7
		2010	9.3	0.6	9.9	12	17.1	29.1	21.3	17.7	38.9
		2011	9.9	0.8	10.7	18.3	25	43.3	28.2	25.8	54
		2007	7.2	2.6	9.8	2.3	63.6	65.9	9.5	66.2	75.7
		2008	8.3	2.7	11	1.6	83.2	84.8	9.9	85.9	95.7
Trawl		2009	6.7	1.9	8.7	2.3	60.1	62.5	9.1	62	71.1
		2010	4.7	1.7	6.4	1	72.7	73.7	5.8	74.4	80.2
		2011	5	3.1	8.1	1.6	102.5	104.1	6.6	105.6	112.2
		2007	3.3	4.4	7.7	0.2	7.5	7.7	3.4	11.9	15.4
		2008	3.1	4.5	7.6	0.1	5.6	5.8	3.2	10.2	13.4
Rockfish		2009	1.5	2.5	4	0.2	6.5	6.7	1.7	9	10.7
		2010	2.5	3.6	6.1	0.1	10.7	10.8	2.6	14.3	16.9
		2011	2.6	3.5	6	0.1	20.5	20.6	2.7	23.9	26.6

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Table 19: continued

		Gulf of Alaska			Bering Sea and Aleutian Islands			All Alaska		
		Catcher	Catcher		Catcher	Catcher		Catcher	Catcher	
		vessels	proces-	Total	vessels	proces-	Total	vessels	proces-	Total
		Year	sors		sors			sors		
Atka Mackerel	2007	0	0.2	0.2	0.1	17.3	17.4	0.1	17.5	17.6
	2008	0	0.3	0.3	0	16.4	16.4	0	16.7	16.7
	2009	0	0.8	0.8	0	28.9	28.9	0	29.6	29.7
	2010	0	0.7	0.7	0	29.4	29.5	0	30.2	30.2
	2011	0	0.8	0.8	0.6	29	29.5	0.6	29.8	30.4
All Species	2007	42.9	10.5	53.4	235	304.4	539.5	278	314.9	592.9
	2008	49.1	10.6	59.7	274.5	348.3	622.8	323.7	358.8	682.5
	2009	33.6	9.4	42.9	196	267.4	463.3	229.5	276.8	506.3
	2010	49.3	10.1	59.4	148.3	252.5	400.8	197.6	262.5	460.1
	2011	51.3	12.4	63.7	247.8	379.8	627.6	299.1	392.2	691.3
Pollock	2007	16.2	0.1	16.3	202.8	176.9	379.6	218.9	177	395.9
	2008	19.3	0.2	19.5	238.5	211.1	449.5	257.8	211.3	469
	2009	15.4	0.5	15.9	180.8	155.3	336.2	196.2	155.9	352.1
	2010	28.4	0.4	28.8	135.1	123.1	258.2	163.5	123.5	287
	2011	27.8	0.4	28.1	227.1	204.1	431.2	254.9	204.5	459.3
Sablefish	2007	63.6	11.2	74.8	7.8	2.6	10.4	71.4	13.8	85.1
	2008	72.7	10.5	83.2	7.7	3.5	11.2	80.4	14	94.4
	2009	68.2	9.8	78.1	6.8	3.9	10.7	75	13.8	88.8
	2010	76.7	8.7	85.4	5.8	5.6	11.4	82.5	14.4	96.8
	2011	112.4	12.5	124.9	13.2	5	18.2	125.5	17.6	143.1
Pacific Cod	2007	47.2	6	53.2	46.1	120.4	166.5	93.3	126.4	219.7
	2008	55.9	6.9	62.8	55.8	153.1	208.9	111.6	160.1	271.7
	2009	27	4.5	31.4	19.4	79.8	99.2	46.4	84.2	130.7
	2010	37.5	5.5	43	23.7	78.1	101.8	61.2	83.6	144.8
	2011	54	7	60.9	37.2	111.7	148.9	91.2	118.6	209.8
All gear Flatfish	2007	7.2	2.7	9.9	2.3	63.8	66.2	9.6	66.5	76
	2008	8.3	2.7	11	1.6	83.3	84.9	9.9	86.1	95.9
	2009	6.7	1.9	8.7	2.3	60.2	62.6	9.1	62.1	71.2

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Table 19: continued

	Year	Gulf of Alaska			Bering Sea and Aleutian Islands			All Alaska		
		Catcher vessels	Catcher processors	Total	Catcher vessels	Catcher processors	Total	Catcher vessels	Catcher processors	Total
	2010	4.7	1.7	6.5	1	72.8	73.8	5.8	74.5	80.3
	2011	5	3.1	8.1	1.6	103.4	105.1	6.6	106.6	113.1
Rockfish	2007	4.5	4.6	9.1	0.2	7.7	7.9	4.6	12.3	16.9
	2008	4.3	4.7	9	0.2	5.8	6	4.5	10.6	15
	2009	2.5	2.6	5.1	0.2	6.8	7	2.8	9.4	12.1
	2010	3.5	3.7	7.2	0.1	11.2	11.3	3.6	14.9	18.6
	2011	3.4	3.6	7	0.2	20.6	20.8	3.6	24.2	27.8
	Atka Mackerel	2007	0	0.2	0.2	0.1	17.3	17.4	0.1	17.5
2008		0	0.3	0.3	0	16.4	16.4	0	16.7	16.7
2009		0	0.8	0.8	0	28.9	28.9	0	29.6	29.7
2010		0	0.7	0.7	0	29.4	29.5	0	30.2	30.2
2011		0	0.8	0.8	0.6	29	29.5	0.6	29.8	30.4
All Species	2007	139.8	25	164.8	259.3	391.5	650.8	399.1	416.5	815.6
	2008	162.4	25.8	188.2	303.9	477.2	781.1	466.4	503	969.4
	2009	121.6	20.4	142	209.7	336.5	546.2	331.3	356.9	688.2
	2010	152.6	21.2	173.9	165.8	321.1	487	318.5	342.4	660.8
	2011	205	28	233.1	280	478.2	758.2	485	506.2	991.2

**Notes:** These estimates include the value of catch from both federal and state of Alaska fisheries. Ex-vessel value is calculated using prices on Table 18. Please refer to Table 18 for a description of the price derivation. All groundfish includes additional species categories. The value added by at-sea processing is not included in these estimates of ex-vessel value.

**Source:** Catch Accounting System, Commercial Operators Annual Report (COAR), weekly processor reports (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 20: Ex-vessel value of Alaska groundfish delivered to shoreside processors by area, gear and catcher-vessel length, 2003 - 2011 (\$ millions)

	Year	Gulf of Alaska			Bering Sea and Aleutian Islands			All Alaska		
		<60	60-125	>=125	<60	60-125	>=125	<60	60-125	>=125
Fixed	2003	62.5	20.2	0.5	6.2	11.3	2.4	68.6	31.5	2.9
	2004	61.5	23	0.1	3.7	8.2	1.8	65.3	31.2	2
	2005	55.1	25.3	0.3	3.9	11.5	1.9	59.1	36.7	2.2
	2006	59.9	31.4	0.2	6.3	14	3.8	66.1	45.4	4.1
	2007	66.7	29.9	0	5.3	16	2.5	72	45.8	2.5
	2008	78.8	34.2	0.3	9.1	16.7	3.6	87.9	50.9	3.9
	2009	62.1	25.9	*	4.9	7.3	1.6	67	33.2	1.6
	2010	73.1	30.2	*	7.6	11.5	3.2	80.7	41.6	3.2
	2011	109	44.8	*	12.2	15.8	4.1	121.2	60.6	4.1
	Trawl	2003	3.2	22.8	-	2.8	84.4	91.8	6	107.2
2004		4.4	23.7	-	*	80.4	87	4.4	104.1	87
2005		8.1	28.9	-	*	89.5	106.7	8.1	118.4	106.7
2006		7.7	33.4	-	*	95.3	114.3	7.7	128.7	114.3
2007		8.7	34.2	-	*	92.9	100.4	8.7	127.1	100.4
2008		10.8	38.1	*	*	109.1	122.2	10.8	147.2	122.2
2009		6.5	27.1	-	*	74.4	86.4	6.5	101.5	86.4
2010		10.3	39	-	*	58.7	66.1	10.3	97.8	66.1
2011		8.2	43.1	-	*	100.8	106.7	8.2	143.9	106.7
All gear		2003	65.7	43	0.5	8.9	95.7	94.2	74.6	138.7
	2004	65.9	46.7	0.1	3.7	88.6	88.8	69.7	135.3	89
	2005	63.2	54.1	0.3	3.9	101	108.6	67.1	155.1	108.9
	2006	67.5	64.8	0.2	6.3	109.3	118.1	73.8	174.1	118.3
	2007	75.4	64	0	5.3	108.9	102.9	80.7	172.9	102.9
	2008	89.6	72.4	0.3	9.1	125.8	125.8	98.7	198.1	126.1
	2009	68.6	53	*	4.9	81.7	88	73.5	134.7	88
	2010	83.3	69.2	*	7.6	70.2	69.3	91	139.4	69.3
	2011	117.1	87.9	*	12.2	116.5	110.8	129.4	204.5	110.8

**Notes:** These estimates include only catch counted against federal TACs.

**Source:** NMFS Alaska Region Catch-Accounting System and Weekly Processor reports; ADF&G COAR buying data. (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 21: Ex-vessel value per catcher vessel for Alaska groundfish delivered to shoreside processors by area, gear and catcher-vessel length, 2003 - 2011 (\$ thousands)

	Year	Gulf of Alaska			Bering Sea and Aleutian Islands			All Alaska		
		<60	60-125	>=125	<60	60-125	>=125	<60	60-125	>=125
Fixed	2003	66	169	96	92	140	160	72	199	169
	2004	63	177	31	69	110	102	66	194	103
	2005	61	212	60	60	179	128	64	243	148
	2006	68	253	57	103	222	350	73	307	371
	2007	72	276	9	74	275	209	77	332	211
	2008	79	339	74	117	274	359	86	398	353
	2009	68	276	*	72	155	200	72	286	178
	2010	78	324	*	112	239	358	84	368	323
	2011	109	487	*	170	282	514	120	518	457
	Trawl	2003	95	380	-	162	1125	3529	158	1041
2004		193	439	-	*	1072	3223	177	1084	3223
2005		299	566	-	*	1261	4103	299	1287	4103
2006		307	695	-	*	1324	4395	307	1369	4395
2007		336	743	-	*	1291	3862	336	1428	3862
2008		399	867	*	*	1558	4363	399	1654	4363
2009		239	616	-	*	1111	3199	239	1194	3199
2010		428	908	-	*	947	2447	411	1222	2447
2011		355	959	-	*	1460	3953	355	1755	3953
All gear		2003	69	251	96	111	617	2296	77	550
	2004	67	267	31	61	599	1974	70	550	1934
	2005	70	336	60	56	754	2648	72	666	2656
	2006	76	402	57	98	816	3192	81	757	3198
	2007	81	430	9	68	844	2708	85	783	2709
	2008	89	517	59	110	968	3310	96	939	3232
	2009	75	399	*	65	723	2513	79	691	2443
	2010	88	528	*	106	638	1925	94	741	1873
	2011	117	661	*	168	932	3167	127	1049	3079

**Notes:** These estimates include only catch counted against federal TACs.

**Source:** NMFS Alaska Region Catch-Accounting System and Weekly Processor reports; ADF&G COAR buying data. (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 22: Ex-vessel value of the groundfish catch off Alaska by area, residency, and species, 2007 - 2011 , (\$ millions).

	Year	Gulf of Alaska		Bering Sea and Aleutian Islands		All Alaska	
		Alaska	Other	Alaska	Other	Alaska	Other
Pollock	2007	6.2	10.1	68.7	311	74.8	321.1
	2008	8.2	11.3	83.1	366.4	91.3	377.7
	2009	7	8.9	51.8	284.4	58.8	293.3
	2010	13.2	15.7	43.1	215.1	56.3	230.7
	2011	11.2	17	66.6	364.6	77.8	381.6
Sablefish	2007	37.6	37.2	3	7.7	40.6	44.9
	2008	43.1	40.1	4.8	6.6	47.9	46.7
	2009	41.2	36.9	3.3	7.4	44.5	44.3
	2010	44.7	40.7	4.5	11.7	49.2	52.4
	2011	67.1	57.8	7.8	10.6	75	68.4
Pacific Cod	2007	36.3	17.6	33.2	136.1	69.6	153.7
	2008	39.8	23.9	39.3	169.6	79.1	193.5
	2009	21.6	9.9	20.5	78.7	42.1	88.6
	2010	29	14	23.4	78.4	52.4	92.4
	2011	43.5	17.5	35.9	112.9	79.5	130.4
Flatfish	2007	2.8	7.1	11.2	54.9	14	62
	2008	2.9	8.1	19.3	65.6	22.3	73.7
	2009	3	5.7	16.5	46.1	19.5	51.8
	2010	2.3	4.2	20.3	53.5	22.6	57.7
	2011	1.7	6.4	29.3	75.8	31	82.1
Rockfish	2007	2.4	6.7	0.1	7.7	2.5	14.4
	2008	2.3	6.7	0.1	5.9	2.4	12.6
	2009	1.7	3.4	0.2	6.9	1.8	10.3
	2010	2.4	4.9	0.3	11	2.6	15.9
	2011	2.4	4.6	0.7	20.1	3.1	24.7
Atka Mackerel	2007	0	0.2	0.3	17.1	0.3	17.3
	2008	0	0.3	0	16.4	0	16.7
	2009	0	0.8	0	28.8	0.1	29.6
	2010	0.1	0.6	0	29.5	0.1	30.1
	2011	0.1	0.7	0	29.5	0.1	30.2
All Groundfish	2007	85.9	79.6	117	537	202.9	616.6
	2008	97.6	91.6	147.2	634.1	244.8	725.7
	2009	75.7	66.4	92.4	453.8	168.1	520.3
	2010	92.9	81	91.8	399.9	184.7	480.9
	2011	127.6	105.6	141.3	617.1	268.9	722.7

**Notes:** These estimates include only catches counted against federal TACs. Ex-vessel value is calculated using prices on Table 18. Please refer to Table 18 for a description of the price derivation. Catch delivered to motherships is classified by the residence of the owner of the mothership. All other catch is classified by the residence of the owner of the fishing vessel. All groundfish include additional species categories. For catch for which the residence is unknown, there are either no data or the data have been suppressed to preserve confidentiality.

**Source:** Catch Accounting System, Commercial Operators Annual Report (COAR), ADFG fish tickets, weekly processor reports. (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 23: Ex-vessel value of groundfish delivered to shoreside processors by processor group, 2006 - 2011 (\$ millions)

Region	2006	2007	2008	2009	2010	2011
Bering Sea Pollock	226	204.5	257.8	174.3	172.5	201.5
AK Peninsula/Aleutians	22.8	28.3	23.9	10.1	5.7	11.9
Kodiak	50.1	55.5	67.6	42.3	60.1	76.2
South Central	25.2	24.4	25.9	25.7	26.8	44.3
Southeastern	30.7	29.2	33.3	28.6	31.3	41.9
All Regions	354.9	341.8	408.6	281	296.5	375.8

Table 24: Ex-vessel value of groundfish as a percentage of the ex-vessel value of all species delivered to shoreside processors by processor group, 2006 - 2011 (percent)

Region	2006	2007	2008	2009	2010	2011
Bering Sea Pollock	71.5	63.8	62.8	61.5	58.2	57.3
AK Peninsula/Aleutians	16	16.8	11.8	5.4	2.6	5
Kodiak	41.6	42.5	45.2	37.1	45.6	44.3
South Central	17.9	12.4	12.3	16.7	9.4	16.9
Southeastern	16.2	13.7	15.3	15.6	13.8	14.6
All Regions	39	33.2	34.3	30.5	25.6	28.7

**Notes:** These tables include the value of groundfish purchases reported by processing plants, as well as by other entities, such as markets and restaurants, that normally would not report sales of groundfish products. Keep this in mind when comparing ex-vessel values in this table to gross processed-product values in Table 34. The data are for catch from both federal and state of Alaska fisheries. The processor groups are defined as follows: "Bering Sea Pollock" are the AFA inshore pollock processors including the two AFA floating processors. "AK Peninsula/Aleutian" are other processors on the Alaska Peninsula or in the Aleutian Islands. "Kodiak" are processors on Kodiak Island. "South Central" are processors west of Yakutat and on the Kenai Peninsula. "Southeastern" are processors located from Yakutat south.

**Source:** ADFG Commercial Operators Annual Report, ADFG intent to process (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 25: Production and gross value of groundfish products in the fisheries off Alaska by species, 2007 - 2011 (1,000 metric tons product weight and million dollars)

		2007		2008		2009		2010		2011	
Product		Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
Pollock	Whole Fish	1.94	\$ 1.5	1.7	\$ 1.4	2.04	\$ 2.3	1.24	\$ 1.6	2.01	\$ 3.8
	Head And Gut	31.11	\$ 44.7	24.3	\$ 41.7	57.27	\$ 85.1	60.81	\$ 95.4	59.6	\$ 115.1
	Roe	30.47	\$ 262.9	20.79	\$ 239	18.49	\$ 162.9	16.45	\$ 98.1	19.29	\$ 153.2
	Deep-Skin Fillets	64.59	\$ 196.7	42.39	\$ 153.6	41.28	\$ 166.8	40.28	\$ 146.9	46.19	\$ 179.8
	Other Fillets	106.13	\$ 297.1	79.67	\$ 301.8	76.57	\$ 296.1	71.17	\$ 264.2	120.72	\$ 400.2
	Surimi	161.62	\$ 352.5	125.7	\$ 526.3	87.12	\$ 249.8	103.59	\$ 357.2	148.07	\$ 415.2
	Minced Fish	27.68	\$ 44.5	20.36	\$ 39	22.1	\$ 42.2	21.59	\$ 41.7	30.99	\$ 50.9
	Fish Meal	58.81	\$ 62.7	43.89	\$ 50.2	34.9	\$ 42	38.32	\$ 60.6	52.92	\$ 84.9
	Other Products	24.51	\$ 20.6	19.45	\$ 21.3	22.91	\$ 18.7	26.25	\$ 26.2	33.97	\$ 37.7
All Products	506.85	\$ 1283.2	378.24	\$ 1374.3	362.68	\$ 1065.9	379.72	\$ 1092	513.75	\$ 1440.8	
Sablefish	Head And Gut	8.93	\$ 94.4	7.32	\$ 90.2	6.79	\$ 87.5	6.7	\$ 105.2	6.86	\$ 138.1
	Other Products	0.43	\$ 2.8	0.99	\$ 8.5	0.68	\$ 7.1	0.49	\$ 5.2	0.81	\$ 9.1
	All Products	9.36	\$ 97.2	8.32	\$ 98.7	7.47	\$ 94.6	7.18	\$ 110.5	7.67	\$ 147.2
Pacific Cod	Whole Fish	2.1	\$ 3.5	3.28	\$ 4.5	4.58	\$ 5.4	3.01	\$ 3	2.47	\$ 7.5
	Head And Gut	88.29	\$ 344	82	\$ 332.6	72.28	\$ 185.9	80.32	\$ 232.5	106.07	\$ 349
	Salted/Split	2.18	\$ 10.7	1.58	\$ 5	0.02	\$ 0	*	\$ *	*	\$ *
	Roe	3.9	\$ 12.1	3.81	\$ 11.6	2.98	\$ 4.7	5.05	\$ 6.7	3.17	\$ 4.6
	Fillets	8.18	\$ 65.1	9.47	\$ 83.6	11.48	\$ 66.4	14.8	\$ 86.4	15.79	\$ 105.9
	Other Products	9.06	\$ 16.3	10.51	\$ 17.6	8.96	\$ 15.4	12.29	\$ 22.1	15.06	\$ 33.1
All Products	113.71	\$ 451.8	110.65	\$ 454.9	100.29	\$ 277.9	115.47	\$ 350.8	142.56	\$ 500	
Flatfish	Whole Fish	24.68	\$ 31.9	16.99	\$ 22.3	17.26	\$ 21.5	18.51	\$ 20.4	20.47	\$ 28.6
	Head And Gut	72.55	\$ 116.1	117.12	\$ 162.8	101.13	\$ 120.5	119.38	\$ 152.4	141.36	\$ 215.9
	Kirimi	*	\$ *	*	\$ *	*	\$ *	*	\$ *	*	\$ *
	Fillets	0.02	\$ 0.1	0.12	\$ 0.5	0.04	\$ 0.2	0.02	\$ 0.1	0.03	\$ 0.1
	Fish Meal	-	\$ -	-	\$ -	-	\$ -	-	\$ -	0	\$ 0

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Table 25: continued

		2007		2008		2009		2010		2011	
Product		Quantity	Value								
	Other Products	2.91	\$ 3.5	2.32	\$ 2.8	4	\$ 6.1	4.28	\$ 8.7	3.46	\$ 7.9
	All Products	100.16	\$ 151.7	136.54	\$ 188.4	122.43	\$ 148.3	142.19	\$ 181.6	165.32	\$ 252.4
Rockfish	Whole Fish	1.98	\$ 4.5	1.73	\$ 3.6	2.28	\$ 4.3	3.44	\$ 6.1	3.61	\$ 8.5
	Head And Gut	15.66	\$ 33.2	17.79	\$ 29.3	16.14	\$ 30.9	20.17	\$ 49.8	22.32	\$ 82.7
	Other Products	1.14	\$ 5.2	0.82	\$ 2.9	0.49	\$ 1.9	0.54	\$ 2.3	0.43	\$ 2.3
	All Products	18.79	\$ 42.8	20.35	\$ 35.8	18.91	\$ 37.2	24.15	\$ 58.1	26.35	\$ 93.4
Atka Mackerel	Whole Fish	*	\$ *	2.89	\$ 1.6	3.66	\$ 3.3	2.15	\$ 1.7	5.33	\$ 5.3
	Head And Gut	32.67	\$ 40.3	30.04	\$ 36.5	37.34	\$ 64.3	37.84	\$ 72.7	27.41	\$ 69.6
	Other Products	0.09	\$ 0.1	0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0
	All Products	32.76	\$ 40.4	32.94	\$ 38.1	41.01	\$ 67.7	39.99	\$ 74.4	32.74	\$ 74.9
All Species Total		788.08	\$ 2081.5	694.32	\$ 2204.9	658.91	\$ 1703.9	713.7	\$ 1876.9	893.19	\$ 2519.7

**Notes:** Total includes additional species not listed in the production details as well as confidential data from Tables 28 and 29. These estimates are for catch from both federal and state of Alaska fisheries.

**Source:** Weekly processor report and commercial operators annual report. National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 26: Price per pound of groundfish products in the fisheries off Alaska by species and processing mode, 2007 - 2011 (dollars)

		2007		2008		2009		2010		2011	
	Product	At-sea	Shoreside								
Pollock	Whole Fish	\$ 0.46	\$ 0.34	\$ 0.31	\$ 0.37	\$ 0.82	\$ 0.35	\$ 0.44	\$ 0.58	\$ 0.66	\$ 0.86
	Head And Gut	\$ 0.67	\$ 0.61	\$ 0.77	\$ 0.8	\$ 0.51	\$ 0.79	\$ 0.74	\$ 0.7	\$ 1	\$ 0.64
	Roe	\$ 4.61	\$ 3.09	\$ 6.01	\$ 4.21	\$ 4.83	\$ 3.15	\$ 3.51	\$ 2.01	\$ 3.94	\$ 3.1
	Deep-Skin Fillets	\$ 1.46	\$ 1.24	\$ 1.74	\$ 1.47	\$ 1.99	\$ 1.55	\$ 1.89	\$ 1.16	\$ 1.75	\$ 1.81
	Other Fillets	\$ 1.25	\$ 1.29	\$ 1.77	\$ 1.66	\$ 1.7	\$ 1.81	\$ 1.64	\$ 1.72	\$ 1.46	\$ 1.54
	Surimi	\$ 1.08	\$ 0.88	\$ 2	\$ 1.79	\$ 1.37	\$ 1.23	\$ 1.75	\$ 1.37	\$ 1.39	\$ 1.16
	Minced Fish	\$ 0.77	\$ 0.64	\$ 0.91	\$ 0.77	\$ 0.85	\$ 0.98	\$ 0.87	\$ 0.92	\$ 0.76	\$ 0.7
	Fish Meal	\$ 0.53	\$ 0.46	\$ 0.65	\$ 0.45	\$ 0.67	\$ 0.48	\$ 0.86	\$ 0.63	\$ 0.79	\$ 0.68
	Other Products	\$ 0.58	\$ 0.34	\$ 0.61	\$ 0.46	\$ 0.47	\$ 0.31	\$ 0.58	\$ 0.36	\$ 0.6	\$ 0.45
All Products	\$ 1.29	\$ 1	\$ 1.83	\$ 1.46	\$ 1.45	\$ 1.22	\$ 1.49	\$ 1.13	\$ 1.36	\$ 1.17	
Pacific Cod	Whole Fish	\$ 0.66	\$ 0.77	\$ 0.55	\$ 0.66	\$ 0.54	\$ 0.54	\$ 0.41	\$ 0.47	\$ 0.49	\$ 1.68
	Head And Gut	\$ 1.86	\$ 1.55	\$ 1.91	\$ 1.67	\$ 1.22	\$ 0.86	\$ 1.41	\$ 1	\$ 1.56	\$ 1.31
	Salted/Split	\$ -	\$ 2.22	\$ -	\$ 1.43	\$ -	\$ 1.19	\$ -	\$ *	\$ -	\$ *
	Roe	\$ 1.39	\$ 1.43	\$ 1.27	\$ 1.42	\$ 0.64	\$ 0.75	\$ 0.58	\$ 0.61	\$ 0.76	\$ 0.64
	Fillets	\$ 2.72	\$ 3.69	\$ 3.99	\$ 4.01	\$ 2.9	\$ 2.6	\$ 2.46	\$ 2.66	\$ 2.68	\$ 3.06
	Other Products	\$ 0.94	\$ 0.78	\$ 0.8	\$ 0.75	\$ 0.78	\$ 0.78	\$ 1.03	\$ 0.75	\$ 1.25	\$ 0.88
All Products	\$ 1.83	\$ 1.77	\$ 1.86	\$ 1.88	\$ 1.19	\$ 1.4	\$ 1.38	\$ 1.37	\$ 1.54	\$ 1.67	
Sablefish	Head And Gut	\$ 4.33	\$ 4.9	\$ 5.04	\$ 5.72	\$ 5.4	\$ 5.95	\$ 6.4	\$ 7.26	\$ 7.85	\$ 9.36
	Other Products	\$ 1.35	\$ 3.24	\$ 1.58	\$ 4.08	\$ 1.27	\$ 5.13	\$ 1.94	\$ 5.52	\$ 1.2	\$ 6.06
	All Products	\$ 4.2	\$ 4.82	\$ 4.87	\$ 5.5	\$ 5.17	\$ 5.87	\$ 6.05	\$ 7.15	\$ 6.96	\$ 9.03
Deep-Water Flatfish	Whole Fish	\$ *	\$ 0.11	\$ *	\$ *	\$ -	\$ 0.8	\$ -	\$ 0.12	\$ -	\$ 0.42
	Head And Gut	\$ 0.55	\$ 0.5	\$ *	\$ 0.59	\$ *	\$ *	\$ -	\$ 0.54	\$ -	\$ 0.78
	Kirimi	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ *
	Fillets	\$ -	\$ 2.41	\$ -	\$ 2.22	\$ -	\$ 1.97	\$ -	\$ 1.61	\$ -	\$ 1.98
Other Products	\$ -	\$ *	\$ -	\$ -	\$ -	\$ *	\$ -	\$ -	\$ *	\$ -	

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Table 26: continued

		2007		2008		2009		2010		2011	
Product		At-sea	Shoreside								
All Products		\$ 0.55	\$ 0.54	\$ *	\$ 0.72	\$ *	\$ 1.29	\$ -	\$ 0.61	\$ *	\$ 0.61
Shallow-Water Flatfish	Whole Fish	\$ -	\$ 0.46	\$ *	\$ 0.56	\$ *	\$ 0.43	\$ *	\$ 0.48	\$ *	\$ 0.59
	Head And Gut	\$ 0.77	\$ 0.72	\$ 0.64	\$ 0.71	\$ 0.51	\$ 0.83	\$ 0.63	\$ 0.56	\$ 0.64	\$ 0.76
	Kirimi	\$ -	\$ *	\$ -	\$ *	\$ -	\$ *	\$ -	\$ *	\$ -	\$ *
	Fillets	\$ -	\$ 2.65	\$ -	\$ 2.43	\$ -	\$ 2.7	\$ -	\$ 2.11	\$ -	\$ 2.45
	Other Products	\$ -	\$ *	\$ -	\$ *	\$ -	\$ *	\$ -	\$ 0.81	\$ -	\$ 0.14
	All Products	\$ 0.77	\$ 1.01	\$ 0.64	\$ 1.05	\$ 0.51	\$ 1.01	\$ 0.63	\$ 0.71	\$ 0.64	\$ 0.82
Arrowtooth	Whole Fish	\$ -	\$ 0.31	\$ *	\$ 0.61	\$ *	\$ 0.23	\$ *	\$ 0.4	\$ -	\$ 0.52
	Head And Gut	\$ 0.51	\$ 0.45	\$ 0.51	\$ 0.45	\$ 0.47	\$ 0.35	\$ 0.47	\$ 0.36	\$ 0.69	\$ 0.46
	Kirimi	\$ -	\$ *	\$ *	\$ *	\$ -	\$ *	\$ -	\$ *	\$ -	\$ *
	Fillets	\$ -	\$ *	\$ -	\$ *	\$ -	\$ *	\$ -	\$ *	\$ *	\$ *
	Other Products	\$ 0.37	\$ 0.45	\$ 0.15	\$ 0.05	\$ 0.38	\$ 0.37	\$ 0.56	\$ 0.71	\$ 0.73	\$ 0.85
	All Products	\$ 0.51	\$ 0.45	\$ 0.5	\$ 0.43	\$ 0.47	\$ 0.35	\$ 0.47	\$ 0.47	\$ 0.69	\$ 0.49
Flathead Sole	Whole Fish	\$ 0.38	\$ 0.4	\$ 0.41	\$ 0.49	\$ 0.4	\$ 0.38	\$ 0.46	\$ 0.47	\$ 0.59	\$ 0.53
	Head And Gut	\$ 0.89	\$ 0.61	\$ 0.8	\$ 0.57	\$ 0.61	\$ 0.59	\$ 0.7	\$ 0.55	\$ 0.89	\$ 0.7
	Kirimi	\$ -	\$ *	\$ -	\$ *	\$ -	\$ *	\$ -	\$ *	\$ -	\$ *
	Fillets	\$ -	\$ 2.32	\$ *	\$ 1.97	\$ -	\$ 2.53	\$ -	\$ 1.82	\$ *	\$ 2.25
	Other Products	\$ 0.37	\$ 0.37	\$ 0.7	\$ 0.06	\$ 0.37	\$ 0.37	\$ 0.56	\$ 0.56	\$ 0.74	\$ 0.73
	All Products	\$ 0.88	\$ 0.51	\$ 0.79	\$ 0.54	\$ 0.59	\$ 0.5	\$ 0.69	\$ 0.55	\$ 0.88	\$ 0.65
Rex Sole	Whole Fish	\$ 0.99	\$ 0.85	\$ 1.01	\$ 0.95	\$ 0.86	\$ 0.97	\$ 0.91	\$ 0.91	\$ 1.12	\$ 1.02
	Head And Gut	\$ 0.8	\$ -	\$ *	\$ 0.76	\$ *	\$ *	\$ *	\$ *	\$ *	\$ *
	Fillets	\$ -	\$ *	\$ -	\$ 1.75	\$ -	\$ *	\$ -	\$ *	\$ -	\$ 1.79
	Other Products	\$ -	\$ *	\$ -	\$ *	\$ -	\$ *	\$ -	\$ *	\$ -	\$ 0.74
	All Products	\$ 0.99	\$ 0.85	\$ 1.01	\$ 1	\$ 0.86	\$ 0.97	\$ 0.91	\$ 0.91	\$ 1.12	\$ 1.03
Rock Sole	Whole Fish	\$ 0.42	\$ *	\$ 0.41	\$ *	\$ 0.36	\$ *	\$ 0.33	\$ 0.5	\$ 0.53	\$ *
	Head And Gut	\$ 0.73	\$ -	\$ 0.6	\$ -	\$ 0.51	\$ -	\$ 0.56	\$ -	\$ 0.69	\$ -

Rock Sole Continued on next page

Table 26: continued

		2007		2008		2009		2010		2011	
Product		At-sea	Shoreside								
	Head And Gut With Roe	\$ 1.24	\$ -	\$ 1.23	\$ -	\$ 0.89	\$ -	\$ 0.84	\$ -	\$ 1.07	\$ -
	Fillets	\$ *	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ *	\$ -
	Other Products	\$ 0.27	\$ 0.27	\$ 0.05	\$ 0.05	\$ 0.37	\$ 0.37	\$ 0.56	\$ 0.56	\$ 0.74	\$ 0.74
	All Products	\$ 0.85	\$ 0.27	\$ 0.75	\$ 0.05	\$ 0.6	\$ 0.37	\$ 0.61	\$ 0.55	\$ 0.77	\$ 0.74
Turbot	Whole Fish	\$ -	\$ -	\$ *	\$ -	\$ *	\$ -	\$ -	\$ -	\$ -	\$ -
	Head And Gut	\$ 1.34	\$ *	\$ 1.42	\$ *	\$ 1.35	\$ -	\$ 1.86	\$ -	\$ 2.65	\$ *
	Other Products	\$ 1.27	\$ 0.53	\$ 1.53	\$ 0.05	\$ 1.5	\$ 0.37	\$ 1.6	\$ 0.56	\$ 1.89	\$ 0.7
	All Products	\$ 1.32	\$ 0.53	\$ 1.45	\$ 0.05	\$ 1.39	\$ 0.37	\$ 1.78	\$ 0.56	\$ 2.45	\$ 0.68
Yellow Fin Kirimi	Whole Fish	\$ 0.51	\$ *	\$ 0.51	\$ *	\$ 0.43	\$ *	\$ 0.41	\$ -	\$ 0.55	\$ -
	Head And Gut	\$ 0.68	\$ -	\$ 0.58	\$ -	\$ 0.5	\$ -	\$ 0.54	\$ -	\$ 0.65	\$ -
	Other Products	\$ *	\$ -	\$ *	\$ -	\$ *	\$ -	\$ *	\$ -	\$ *	\$ -
	All Products	\$ 0.56	\$ 0.39	\$ 0.7	\$ 0.05	\$ 0.72	\$ 0.37	\$ 0.96	\$ 0.96	\$ 0.85	\$ 0.85
Flat Other	Whole Fish	\$ 0.98	\$ 1.4	\$ 1.05	\$ *	\$ 0.99	\$ 0.7	\$ 0.88	\$ *	\$ 1.04	\$ 1.54
	Head And Gut	\$ 0.73	\$ -	\$ 0.41	\$ *	\$ 0.43	\$ -	\$ 0.46	\$ *	\$ 0.51	\$ *
	Fillets	\$ -	\$ -	\$ -	\$ *	\$ -	\$ -	\$ -	\$ -	\$ *	\$ -
	Other Products	\$ 0.4	\$ 0.37	\$ 0.11	\$ 0.05	\$ 0.37	\$ 0.38	\$ 0.56	\$ 0.56	\$ 0.74	\$ 0.74
	All Products	\$ 0.85	\$ 1.3	\$ 0.52	\$ 0.05	\$ 0.54	\$ 0.53	\$ 0.5	\$ 0.56	\$ 0.56	\$ 1.47
Rockfish	Whole Fish	\$ 1.18	\$ 0.94	\$ 1.5	\$ 0.78	\$ 1.09	\$ 0.77	\$ 0.95	\$ 0.74	\$ 1.49	\$ 0.94
	Head And Gut	\$ 0.96	\$ 0.96	\$ 0.73	\$ 0.89	\$ 0.86	\$ 0.94	\$ 1.11	\$ 1.19	\$ 1.7	\$ 1.51
	Other Products	\$ 0.55	\$ 2.19	\$ 1.11	\$ 1.6	\$ 1.07	\$ 1.77	\$ 1.09	\$ 1.93	\$ 1.24	\$ 2.57
	All Products	\$ 0.97	\$ 1.26	\$ 0.74	\$ 0.99	\$ 0.87	\$ 0.97	\$ 1.1	\$ 1.06	\$ 1.69	\$ 1.31
Atka	Whole Fish	\$ *	\$ *	\$ 0.26	\$ -	\$ 0.41	\$ *	\$ 0.37	\$ *	\$ 0.45	\$ 0.53
	Head And Gut	\$ 0.56	\$ -	\$ 0.55	\$ -	\$ 0.78	\$ -	\$ 0.87	\$ -	\$ 1.15	\$ *

Mackerel Continued on next page

Table 26: continued

Product	2007		2008		2009		2010		2011	
	At-sea	Shoreside								
Other Products	\$ 0.37	\$ 0.37	\$ 0.05	\$ 0.05	\$ 0.45	\$ 0.16	\$ 0.56	\$ 0.56	\$ 0.64	\$ 0.47
All Products	\$ 0.56	\$ 0.37	\$ 0.52	\$ 0.05	\$ 0.75	\$ 0.16	\$ 0.84	\$ 0.56	\$ 1.04	\$ 0.53

**Notes:** These estimates are based on data from both federal and state of Alaska fisheries. Prices based on confidential data have been excluded.

**Source:** Weekly production reports and Commercial Operators Annual Reports (COAR) (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 27: Total product value per round metric ton of retained catch in the groundfish fisheries off Alaska by processor type, species, area and year, 2006-10, 2007 - 2011 (dollars)

		Bering Sea and Aleutians					Gulf of Alaska				
	Species	2007	2008	2009	2010	2011	2007	2008	2009	2010	2011
Motherships	Pollock	775	1279	1069	-	1246	-	-	-	-	-
	Pacific Cod	399	1443	843	-	489	-	-	-	-	-
Catcher/processors	Pollock	1011	1453	1321	1333	1190	609	646	614	659	883
	Sablefish	6328	6503	7583	8676	10167	6008	6892	7264	8719	11277
	Pacific Cod	2035	2027	1247	1498	1690	1962	2059	1293	1424	1606
	Flatfish	886	742	693	743	893	1066	998	1191	1063	992
	Rockfish	1093	786	977	1302	1967	1046	927	960	1252	2056
	Atka Mack- erel	724	658	949	1131	1484	385	901	1081	1135	1694
	Other	502	403	278	456	456	1217	1301	1046	1082	1585
Shoreside processors	Pollock	875	1250	1285	1224	1073	765	973	839	863	914
	Sablefish	5924	5658	6231	12945	11176	6893	7444	7994	9394	12230
	Pacific Cod	2140	2040	1100	1433	1701	1996	2013	1385	1331	1597
	Flatfish	324	362	239	555	605	310	405	284	341	470
	Rockfish	1416	389	879	1735	1546	1147	1041	1062	1274	1737
	Other	977	297	192	708	428	5740	5622	3986	2811	2813

**Notes:** These estimates include the product value of catch from both federal and state of Alaska fisheries. A dash indicates that data were not available or were withheld to preserve confidentiality.

**Source:** Weekly processor reports, commercial operators annual report (COAR), and catch accounting system estimates of retained catch (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 28: Production of groundfish products in the fisheries off Alaska by species, product and area, 2007 - 2011 (1,000 metric tons product weight)

		Bering Sea and Aleutians					Gulf of Alaska				
Product		2007	2008	2009	2010	2011	2007	2008	2009	2010	2011
Pollock	Whole Fish	1.3	1	1.4	0.7	1.5	0.7	0.7	0.7	0.5	0.5
	Head And Gut	23.8	18.6	51.3	49.2	44.8	7.3	5.7	6	11.6	14.8
	Roe	28.5	19.7	17.9	15.3	18	1.9	1.1	0.6	1.1	1.3
	Deep-Skin Fillets	64.6	42.4	41.3	40.3	46.2	*	-	*	*	*
	Other Fillets	103.6	77.3	74	66.5	115	2.5	2.3	2.6	4.7	5.7
	Surimi	156.6	121.3	84.6	97.1	141	5.1	4.4	2.5	6.5	7.1
	Minced Fish	27.7	20.4	22.1	21.6	30.4	*	*	*	*	0.5
	Fish Meal	58.6	43.9	34.9	38.3	52.8	0.2	*	*	*	0.1
Other Products	24.2	19	22.6	25.4	33.3	0.3	0.4	0.4	0.8	0.6	
Sablefish	Head And Gut	1.3	1	1	1.2	1	7.6	6.4	5.8	5.5	5.9
	Other Products	0.1	0	0	0	0	0.4	1	0.6	0.4	0.8
Pacific Cod	Whole Fish	0.6	1.4	2.7	0.9	1.2	1.5	1.9	1.9	2.1	1.3
	Head And Gut	76.1	69.9	65.2	66.4	88.8	12.1	12.1	7.1	13.9	17.3
	Salted/Split	1.4	1.1	*	*	*	0.8	0.5	0	*	*
	Roe	3	2.6	2.2	3.9	1.8	0.9	1.2	0.7	1.2	1.3
	Fillets	3.1	3.6	4.7	5.6	6.6	5.1	5.9	6.7	9.2	9.2
	Other Products	5	5.7	5	7	9	4.1	4.8	3.9	5.2	6
Flatfish	Whole Fish	21.6	14	12.5	14.9	17.4	3	3	4.8	3.6	3.1
	Head And Gut	66.3	109	95.6	114.2	130.1	6.2	8.1	5.5	5.2	11.3
	Kirimi	*	*	*	*	*	*	*	*	*	*
	Fillets	*	*	-	-	*	0	0.1	0	0	0
	Fish Meal	-	-	-	-	0	-	-	-	-	-
	Other Products	2.8	2.3	4	3.4	3.1	0.1	0	*	0.9	0.3
Rockfish	Whole Fish	0.5	0.2	0.2	0.2	0.7	1.5	1.6	2.1	3.2	3
	Head And Gut	7.7	9.4	8	10.9	13.4	7.9	8.4	8.1	9.3	8.9
	Other Products	0.1	0	0	0	0	1	0.8	0.5	0.5	0.4
Atka Mackerel	Whole Fish	*	2.9	3.7	2.2	5.3	*	-	*	-	-
	Head And Gut	32.4	29.6	36.8	37.3	26.9	0.3	0.4	0.6	0.5	0.5
	Other Products	0.1	0	0	0	0	*	*	-	*	-

**Notes:** These estimates include production resulting from catch from federal and state of Alaska fisheries. A dash indicates that data were not available or were withheld to preserve confidentiality. Confidential data withheld from this table are included in the grand totals in Table 25.

**Source:** Weekly processor reports. (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 29: Production of groundfish products in the fisheries off Alaska by species, product and processing mode, 2007 - 2011 (1,000 metric tons product weight)

	Product	At-sea					Shoreside				
		2007	2008	2009	2010	2011	2007	2008	2009	2010	2011
Pollock	Whole Fish	0.13	0.09	0.7	0.04	0.11	1.81	1.61	1.35	1.2	1.9
	Head And Gut	22.21	17.42	23.81	19.8	38.83	8.9	6.88	33.46	41.01	20.77
	Roe	16.52	11.65	9.3	7.64	11.66	13.95	9.14	9.2	8.81	7.63
	Deep-Skin Fillets	40.72	27.32	26.65	27.51	32.25	23.87	15.07	14.63	12.78	13.94
	Other Fillets	48.53	40.68	37.75	31.29	58.32	57.59	38.99	38.82	39.88	62.4
	Surimi	89.87	64.93	44.03	52.78	70.8	71.74	60.77	43.08	50.81	77.27
	Minced Fish	19.62	14.8	19.34	17.75	23.49	8.05	5.56	2.76	3.83	7.5
	Fish Meal	19.7	15.35	12.3	14.64	22.58	39.11	28.54	22.6	23.67	30.34
Other Products	4.33	4.3	8.59	10.63	12.26	20.18	15.15	14.32	15.62	21.71	
Sablefish	Head And Gut	1.65	1.4	1.27	1.03	1.03	7.28	5.92	5.52	5.67	5.83
	Other Products	0.07	0.07	0.07	0.09	0.16	0.36	0.92	0.61	0.4	0.65
Pacific Cod	Whole Fish	0.23	1.14	2.76	0.84	0.63	1.87	2.14	1.82	2.17	1.84
	Head And Gut	61.35	59.41	62.23	61.53	78.5	26.94	22.59	10.05	18.79	27.57
	Salted/Split	-	-	-	-	-	2.18	1.58	0.02	*	*
	Roe	1.58	1.15	0.89	0.57	0.46	2.32	2.66	2.09	4.48	2.71
	Fillets	0.64	0.72	0.96	0.85	0.71	7.54	8.75	10.52	13.95	15.08
	Other Products	2.08	2.13	2.04	3.02	4.62	6.98	8.38	6.92	9.26	10.44
Flatfish	Whole Fish	23.52	16.01	15.59	17.32	18.86	1.16	0.98	1.67	1.19	1.62
	Head And Gut	69.18	112.28	97.07	116.5	136.15	3.37	4.83	4.06	2.88	5.21
	Kirimi	*	*	*	*	*	*	*	*	*	*
	Fillets	*	*	-	-	*	0.02	0.12	0.04	0.02	0.03
	Fish Meal	-	-	-	-	0	-	-	-	-	-
	Other Products	1.92	1.66	2.3	2.45	2.46	0.99	0.66	1.69	1.83	1
Rockfish	Whole Fish	0.64	0.38	0.63	1.01	0.82	1.34	1.36	1.65	2.43	2.78
	Head And Gut	13.79	15.49	14.05	17.54	19.73	1.88	2.31	2.08	2.63	2.59
	Other Products	0.1	0.01	0.01	0.02	0.06	1.04	0.81	0.49	0.52	0.37
Atka Mackerel	Whole Fish	*	2.89	3.66	2.15	5.07	*	-	*	*	0.25
	Head And Gut	32.67	30.04	37.34	37.84	27.41	-	-	-	-	*
	Other Products	0	0	0	0	0	0.08	0	0	0	0

**Notes:** These estimates include production resulting from catch from federal and state of Alaska fisheries. A dash indicates that data were not available or were withheld to preserve confidentiality. Confidential data withheld from this table are included in the grand totals in Table 25.

**Source:** Weekly processor reports. (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 30: Production and real gross value of non-groundfish products in the commercial fisheries of Alaska by species group and area of processing, 2007 - 2011 (1,000 metric tons product weight and \$ millions, base year = 2011 )

	Species	Bering Sea and Aleutians		Gulf of Alaska		All Alaska	
		Quantity	Value	Quantity	Value	Quantity	Value
2007	Salmon	64.1	\$ 368.3	207.6	\$ 875.4	271.7	\$ 1243.7
	Halibut	2.9	\$ 43.5	15.5	\$ 229.2	18.3	\$ 272.7
	Herring	10.8	\$ 16.9	14.3	\$ 29.1	25	\$ 45.9
	Crab	15.6	\$ 229.7	4.3	\$ 61.3	19.9	\$ 291
	Other	0	\$ 0	1.3	\$ 21.1	1.3	\$ 21.4
	All Species	93.4	\$ 658.8	242.9	\$ 1216	336.3	\$ 1874.8
2008	Salmon	54.8	\$ 355.6	153.6	\$ 848.4	208.4	\$ 1203.9
	Halibut	2.9	\$ 37.8	16.2	\$ 224.6	19.1	\$ 262.4
	Herring	16.8	\$ 22.1	17.5	\$ 38.7	34.3	\$ 60.7
	Crab	20	\$ 284.8	4.7	\$ 66.1	24.8	\$ 350.9
	Other	*	\$ *	2.8	\$ 18.8	2.8	\$ 18.8
	All Species	94.5	\$ 700.2	194.8	\$ 1196.5	289.4	\$ 1896.8
2009	Salmon	58.1	\$ 391.2	152.1	\$ 754.8	210.1	\$ 1146
	Halibut	2.7	\$ 27.8	16.1	\$ 179.7	18.8	\$ 207.5
	Herring	18.5	\$ 26.7	17.1	\$ 39.2	35.6	\$ 65.9
	Crab	20.6	\$ 244.3	5.2	\$ 60.5	25.9	\$ 304.8
	Other	*	\$ *	1.4	\$ 21.4	1.4	\$ 21.4
	All Species	99.9	\$ 690.1	191.9	\$ 1055.5	291.8	\$ 1745.6
2010	Salmon	63.3	\$ 474.9	187.1	\$ 956.2	250.4	\$ 1431.1
	Halibut	2.5	\$ 45.7	13.5	\$ 201.5	16	\$ 247.2
	Herring	24.9	\$ 28.1	22.2	\$ 34.7	47.2	\$ 62.9
	Crab	18.6	\$ 249.6	4.2	\$ 59.1	22.9	\$ 308.7
	Other	0.2	\$ 1.2	1.5	\$ 26.8	1.8	\$ 28
	All Species	109.5	\$ 799.5	228.6	\$ 1278.5	338.1	\$ 2077.9
2011	Salmon	48.6	\$ 401	198.5	\$ 1037.9	247.1	\$ 1438.9
	Halibut	2.8	\$ 53.6	8.2	\$ 140.4	11	\$ 194.1
	Herring	20.4	\$ 21.3	21	\$ 22.1	41.4	\$ 43.4
	Crab	19.5	\$ 321.6	4.6	\$ 74.9	24.1	\$ 396.5
	Other	*	\$ *	1.3	\$ 22.7	1.3	\$ 22.7
	All Species	91.3	\$ 797.6	233.6	\$ 1298	324.9	\$ 2095.6

**Notes:** These estimates include production resulting from catch in both federal and state of Alaska fisheries. The data have been adjusted to 2011 dollars by applying the Producer Price Index for unprocessed and packaged fish (series number WPU0223) from the Bureau of Labor Statistics at: <http://data.bls.gov/cgi-bin/srgate>.

**Source:** ADF&G Commercial Operators Annual Report. (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 31: Gross product value of Alaska groundfish by area and processing mode, 1992 - 2011 (\$ millions)

Year	Bering Sea and Aleutians		Gulf of Alaska		All Alaska
	At-sea	Shoreside	At-sea	Shoreside	All Sectors
1992	844.4	329.4	71.1	186.7	1431.5
1993	585.1	195.5	45.7	170.3	996.6
1994	640.1	267.2	37.1	186	1130.4
1995	784.7	349.3	46	212.1	1392.1
1996	706	296.1	48.5	181.1	1231.7
1997	706.3	293.2	30.2	200.9	1230.5
1998	599.4	258.3	28.3	184.4	1070.4
1999	639	325.3	43	209.5	1216.7
2000	691.9	416.1	41.5	209.5	1359
2001	877.6	464.5	31	167.1	1540.1
2002	810.3	477.5	36.5	157.6	1482
2003	850.5	520.8	39.4	148.1	1558.9
2004	953.2	514.9	32.1	167.4	1667.6
2005	1128.1	616	36.6	212.2	1992.9
2006	1174.3	608.8	48.3	218.5	2049.9
2007	1199.8	615.3	46.3	226.1	2087.5
2008	1273.7	637.3	46.8	254.1	2211.9
2009	976.3	499.4	41	190.4	1707.1
2010	1065.1	507.7	49.7	260.3	1882.7
2011	1446	669.9	68.8	338.1	2522.8

**Notes:** These estimates include the product value of catch from both federal and state of Alaska fisheries.

**Source:** NMFS weekly production reports and ADFG Commercial Operators Annual Reports (COAR) (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 32: Gross product value of Alaska groundfish by catcher/processor category, vessel length, and area, 2006 - 2011 (\$ millions)

	Year	Bering Sea and Aleutians			Gulf of Alaska	
		125-165	<125	>165	<125	>=125
Fixed Gear	2006	92.4	43.4	60	8.5	7.4
	2007	84	46.1	55.5	13.8	6.3
	2008	95.5	59.8	60.2	10.8	9.6
	2009	67.9	41.2	36.6	8.9	6.3
	2010	72.7	45.6	42.2	8.6	9.9
	2011	109.3	60.9	61	12.9	9.7
	Fillet Trawl	2006	-	-	115.8	-
2007		-	-	*	-	-
2008		-	-	*	-	-
2009		-	-	62	-	-
2010		-	-	*	-	-
2011		-	-	83.1	-	-
Head And Gut Trawl		2006	35	37.7	167.9	9.7
	2007	40.8	42.4	178.9	8.1	17.6
	2008	45.2	40.8	179.8	9.4	16.4
	2009	39.9	28.9	177.2	9	16.8
	2010	50.8	35.9	216.1	7.5	23.6
	2011	65.7	49.9	294.9	8.3	37.9
	Surimi Trawl	2006	-	-	516.8	-
2007		-	-	637.4	-	-
2008		-	-	620.4	-	-
2009		-	-	434.7	-	-
2010		-	-	474.2	-	-
2011		-	-	583.6	-	-
All Trawl		2006	35	37.7	800.5	9.7
	2007	40.8	42.4	816.3	8.1	17.6
	2008	45.2	40.8	800.2	9.4	16.4
	2009	39.9	28.9	673.8	9	16.8
	2010	50.8	35.9	690.3	7.5	23.6
	2011	65.7	49.9	961.7	8.3	37.9

**Notes:** These estimates include the product value of catch from both federal and state of Alaska fisheries.

**Source:** NMFS weekly production reports, Commercial Operators Annual Reports (COAR), and NMFS permits (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 33: Gross product value per vessel of Alaska groundfish by catcher/processor category, vessel length, and area 2006 - 2011 (\$ millions)

	Year	Bering Sea and Aleutians			Gulf of Alaska	
		125-165	<125	>165	<125	>=125
Fixed Gear	2006	4.9	3.6	5	0.8	0.6
	2007	4.9	3.5	5	1.2	0.6
	2008	5.6	3.7	5.5	0.9	0.8
	2009	4	2.9	3.3	0.8	0.5
	2010	4.5	2.8	4.2	0.8	1
	2011	7.8	4.1	7.6	1.4	1
	Fillet Trawl	2006	-	-	28.9	-
2007		-	-	*	-	-
2008		-	-	*	-	-
2009		-	-	20.7	-	-
2010		-	-	*	-	-
2011		-	-	27.7	-	-
Head And Gut Trawl		2006	8.8	6.3	14	1.6
	2007	10.2	7.1	14.9	2	1.6
	2008	11.3	6.8	15	2.3	1.6
	2009	10	4.8	16.1	1.8	1.3
	2010	12.7	7.2	19.6	2.5	1.7
	2011	16.4	10	24.6	2.1	2.9
	Surimi Trawl	2006	-	-	39.8	-
2007		-	-	39.8	-	-
2008		-	-	41.4	-	-
2009		-	-	36.2	-	-
2010		-	-	36.5	-	-
2011		-	-	48.6	-	-
All Trawl		2006	8.8	6.3	27.6	1.6
	2007	10.2	7.1	28.1	2	1.6
	2008	11.3	6.8	27.6	2.3	1.6
	2009	10	4.8	25.9	1.8	1.3
	2010	12.7	7.2	26.6	2.5	1.7
	2011	16.4	10	35.6	2.1	2.9

**Notes:** These estimates include the product value of catch from both federal and state of Alaska fisheries.

**Source:** NMFS weekly production reports, Commercial Operators Annual Reports (COAR), and NMFS permits. National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 34: Gross product value of groundfish processed by shoreside processors by processor group, 2006 - 2011 (\$ millions)

Region	2006	2007	2008	2009	2010	2011
Bering Sea Pollock	641.4	561.1	650.3	453.1	510.1	675.8
AK Peninsula/Aleutians	59.5	69.1	53.7	20.6	20.5	44.2
Kodiak	109.1	118	131.1	90	128.5	161.7
South Central	41.1	33.6	37.8	31.7	36.2	58.3
Southeastern	38.8	37.2	44.3	33.1	41.5	51.2
All Regions	889.9	819	917.2	628.5	736.9	991.1

Table 35: Groundfish gross product value as a percentage of all-species gross product value by shoreside processor group, 2006 - 2011 (percent)

Region	2006	2007	2008	2009	2010	2011
Bering Sea Pollock	79.3	73.9	74.2	69.4	72.8	72.8
AK Peninsula/Aleutians	18.4	17.7	14	5.7	4.5	8.8
Kodiak	43.4	40.9	45.4	34.5	42.9	46.5
South Central	15.7	9.5	10.2	12.2	7.2	13.8
Southeastern	10.4	9.1	10.6	8.8	8.8	8.3
All Regions	44.1	37.2	39.2	32.9	30.3	35.2

**Notes:** The data are for catch from both federal and state of Alaska fisheries. The processor groups are defined as follows: "Bering Sea Pollock" are the AFA inshore pollock processors including the two AFA floating processors. "AK Peninsula/Aleutian" are other processors on the Alaska Peninsula or in the Aleutian Islands. "Kodiak" are processors on Kodiak Island. "South Central" are processors west of Yakutat and on the Kenai Peninsula. "Southeastern" are processors located from Yakutat south.

**Source:** ADFG Commercial Operators Annual Report, ADFG intent to process (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 36: Number of groundfish vessels that caught or caught and processed more than \$4.0 million ex-vessel value or product value of groundfish and other species by area, vessel type and gear, 2007 - 2011

		Gulf of Alaska			Bering Sea and Aleutian Islands			All Alaska		
Gear		Catcher vessels	Catcher processors	Total	Catcher vessels	Catcher processors	Total	Catcher vessels	Catcher processors	Total
2007	Hook & line	-	20	20	-	33	33	-	33	33
	Pot	-	-	-	1	1	2	1	1	2
	Trawl	-	15	15	11	39	50	11	40	51
	All gear	-	35	35	12	73	85	12	74	86
2008	Hook & line	-	18	18	-	33	33	-	33	33
	Pot	4	1	5	4	3	7	5	4	9
	Trawl	-	13	13	18	38	56	18	39	57
	All gear	4	32	36	22	73	95	23	74	97
2009	Hook & line	-	16	16	-	26	26	-	26	26
	Pot	-	1	1	-	1	1	-	2	2
	Trawl	-	16	16	6	34	40	6	35	41
	All gear	-	33	33	6	61	67	6	62	68
2010	Hook & line	-	13	13	-	25	25	-	25	25
	Pot	1	-	1	2	3	5	2	3	5
	Trawl	-	16	16	3	34	37	3	35	38
	All gear	1	29	30	5	60	65	5	61	66
2011	Hook & line	-	14	14	-	27	27	-	27	27
	Pot	-	1	1	3	2	5	3	2	5
	Trawl	-	15	15	6	34	40	6	35	41
	All gear	-	30	30	9	62	71	9	63	72

**Notes:** Includes only vessels that fished part of federal groundfish TACs. Determination that a vessel was above the \$4.0 million threshold was based on total revenue from catching or processing all species, not just groundfish.

**Source:** CFEC fish tickets, weekly processor reports, NMFS permits, Commercial Operators Annual Report (COAR), ADFG intent-to-operate listings. National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 37: Number of groundfish vessels that caught or caught and processed less than \$4.0 million ex-vessel value or product value of groundfish and other species by area, vessel type and gear, 2007 - 2011

		Gulf of Alaska			Bering Sea and Aleutian Islands			All Alaska		
Gear		Catcher vessels	Catcher processors	Total	Catcher vessels	Catcher processors	Total	Catcher vessels	Catcher processors	Total
2007	Hook & line	497	2	499	36	5	41	511	6	517
	Pot	137	1	138	69	2	71	183	3	186
	Trawl	72	-	72	102	-	102	138	-	138
	All gear	671	3	674	205	7	212	794	9	803
2008	Hook & line	547	4	551	46	8	54	571	9	580
	Pot	139	-	139	61	4	65	178	4	182
	Trawl	73	1	74	91	2	93	132	2	134
	All gear	724	5	729	192	12	204	839	13	852
2009	Hook & line	534	6	540	39	15	54	551	17	568
	Pot	122	1	123	51	3	54	158	3	161
	Trawl	71	2	73	104	2	106	142	2	144
	All gear	685	9	694	189	18	207	804	20	824
2010	Hook & line	549	10	559	41	14	55	563	16	579
	Pot	110	-	110	45	4	49	139	4	143
	Trawl	67	1	68	100	1	101	138	1	139
	All gear	695	11	706	184	18	202	808	20	828
2011	Hook & line	620	6	626	45	9	54	638	11	649
	Pot	143	-	143	50	3	53	176	3	179
	Trawl	68	2	70	99	2	101	134	2	136
	All gear	790	8	798	192	12	204	901	14	915

**Notes:** Includes only vessels that fished part of federal groundfish TACs. Determination that a vessel was below the \$4.0 million threshold was based on total revenue from catching or processing all species, not just groundfish.

**Source:** CFEC fish tickets, weekly processor reports, NMFS permits, Commercial Operators Annual Report (COAR), ADFG intent-to-operate listings (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 38: Average revenue of groundfish vessels that caught or caught and processed more than \$4.0 million ex-vessel value or product value of groundfish and other species, by area, vessel type, and gear, 2007 - 2011 (\$ millions)

	Gear	Gulf of Alaska		Bering Sea and Aleutian Islands		All Alaska	
		Catcher vessels	Catcher processors	Catcher vessels	Catcher processors	Catcher vessels	Catcher processors
2007	Hook & line	-	6.43	-	6.15	-	6.15
	Pot	-	-	*	*	*	*
	Trawl	-	10.47	5.05	23.81	5.05	23.34
2008	Hook & line	-	7.35	-	6.95	-	6.95
	Pot	4.4	*	4.41	*	4.4	*
	Trawl	-	15.72	5.39	25.66	5.39	25.11
2009	Hook & line	-	5.38	-	5.27	-	5.27
	Pot	-	*	-	*	-	*
	Trawl	-	14.02	5.43	22.33	5.43	21.83
2010	Hook & line	-	6.16	-	6.35	-	6.35
	Pot	*	-	*	*	*	*
	Trawl	-	17.93	*	24.86	*	24.28
2011	Hook & line	-	9.22	-	9.45	-	9.45
	Pot	-	*	*	*	*	*
	Trawl	-	23.36	5.18	33.29	5.18	32.5

**Notes:** Includes only vessels that fished part of federal groundfish TACs. Categories with fewer than four vessels are not reported. Averages are obtained by adding the total revenues, across all areas and gear types, of all the vessels in the category, and dividing that sum by the number of vessels in the category. Averages include revenue realized from catching or processing all species, not just groundfish.

**Source:** CFEC fish tickets, weekly processor reports, NMFS permits, commercial operators annual report (COAR), ADFG intent-to-operate listings (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 39: Average revenue of groundfish vessels that caught or caught and processed less than \$4.0 million ex-vessel value or product value of groundfish and other species, by area, vessel type and gear, 2007 - 2011 (\$ millions)

Year	Gear	Gulf of Alaska		Bering Sea and Aleutian Islands		All Alaska	
		Catcher vessels	Catcher processors	Catcher vessels	Catcher processors	Catcher vessels	Catcher processors
2007	Hook & line	0.51	*	0.7	2.58	0.51	2.58
	Pot	0.76	*	1.41	*	0.94	*
	Trawl	1.25	-	1.93	-	1.7	-
2008	Hook & line	0.49	1.5	0.58	2.31	0.48	2.29
	Pot	0.85	-	1.76	1.8	1.07	1.8
	Trawl	1.48	*	2.12	*	1.86	*
2009	Hook & line	0.39	2.5	0.6	2.49	0.39	2.39
	Pot	0.57	*	1.4	*	0.79	*
	Trawl	0.94	*	1.68	*	1.44	*
2010	Hook & line	0.49	1.79	0.87	2.31	0.49	2.04
	Pot	0.76	-	1.93	2.7	1.04	2.7
	Trawl	1.2	*	1.75	*	1.55	*
2011	Hook & line	0.53	1.52	0.88	2.05	0.54	1.77
	Pot	0.9	-	2.13	*	1.14	*
	Trawl	1.39	*	1.98	*	1.78	*

**Notes:** Includes only vessels that fished part of federal groundfish TACs. Categories with fewer than four vessels are not reported. Averages are obtained by adding the total revenues, across all areas and gear types, of all the vessels in the category, and dividing that sum by the number of vessels in the category. Averages include revenue realized from catching or processing all species, not just groundfish.

**Source:** CFEC fish tickets, weekly processor reports, NMFS permits, commercial operators annual report (COAR), ADFG intent-to-operate listings (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 40: Number and total registered net tons of vessels that caught groundfish off Alaska by area and gear, 2004 - 2011

	Year	Gulf of Alaska		Bering Sea & Aleutian Islands		All Alaska	
		Number of Registered Vessels	Registered net tons	Number of Registered Vessels	Registered net tons	Number of Registered Vessels	Registered net tons
Hook & line	2004	880	29128	88	14847	923	37669
	2005	782	26775	96	15079	829	35406
	2006	621	25330	87	14670	660	31751
	2007	519	21511	74	13237	550	28163
	2008	569	22139	87	13865	613	29504
	2009	556	22796	80	14020	594	29733
	2010	572	22579	80	13083	604	28871
	2011	640	22498	81	11182	676	27839
Pot	2004	149	8929	83	10988	203	17037
	2005	152	9167	74	9441	203	16398
	2006	146	9044	74	9009	200	15784
	2007	138	8348	73	8500	188	15023
	2008	144	8462	72	8406	191	14533
	2009	124	7072	55	6479	163	12145
	2010	111	6345	54	6797	148	11586
	2011	144	7889	58	7140	184	13187
Trawl	2004	93	14755	155	53201	193	56384
	2005	94	14701	148	52253	191	55757
	2006	90	13475	144	52036	190	55655
	2007	87	12234	152	52933	189	55852
	2008	87	13302	149	52800	191	56172
	2009	89	14010	146	47844	185	51118
	2010	84	13677	138	48957	177	52280
	2011	85	13661	141	49826	177	52766
All gear	2004	1067	49368	319	78006	1254	106250
	2005	967	46694	308	75886	1153	102781
	2006	812	45001	293	74585	992	99136
	2007	709	39837	297	74486	889	96502
	2008	765	41717	299	74246	949	96930
	2009	727	41314	274	67629	892	89590
	2010	736	40381	267	68138	894	89919
	2011	828	41443	275	67564	987	90325

**Notes:** These estimates include only vessels fishing federal TACs. Registered net tons totals exclude mainly smaller vessels for which data were unavailable. The percentages of vessels missing are: 2004 - 2%, 2005 - 2%, 2006 - 2%, 2007 - 1%, 2008 - 2%, 2009 - 2%, 2010 - 1%, 2011 - ?%.

**Source:** Blend estimates, Catch Accounting System, fish tickets, observer data, federal permit file, CFEC vessel data (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 41: Number of vessels that caught groundfish off Alaska by area, vessel category, gear and target, 2007 - 2011

		Gulf of Alaska			Bering Sea and Aleutian Islands			All Alaska		
		Catcher	Catcher	Total	Catcher	Catcher	Total	Catcher	Catcher	Total
		Year	vessels		processors	vessels		processors	vessels	
Sablefish	2007	294	14	308	18	10	28	301	17	318
	2008	284	11	295	12	11	23	289	17	306
	2009	270	13	283	19	10	29	278	19	297
	2010	280	9	289	19	9	28	288	14	302
	2011	277	10	287	24	8	32	291	14	305
Pacific Cod	2007	180	14	194	22	38	60	192	38	230
	2008	242	18	260	33	39	72	260	41	301
	2009	221	16	237	16	38	54	232	39	271
	2010	222	20	242	16	36	52	230	40	270
	2011	299	15	314	18	32	50	307	36	343
Hook & line Flatfish	2007	-	-	-	-	12	12	-	12	12
	2008	-	-	-	-	7	7	-	7	7
	2009	-	-	-	-	9	9	-	9	9
	2010	-	-	-	-	12	12	-	12	12
	2011	-	-	-	-	8	8	-	8	8
Rockfish	2007	40	-	40	1	3	4	41	3	44
	2008	41	1	42	-	-	-	41	1	42
	2009	33	1	34	-	2	2	33	2	35
	2010	41	-	41	-	3	3	41	3	44
	2011	44	-	44	-	-	-	44	-	44
All Groundfish	2007	469	21	490	32	38	70	481	39	520
	2008	512	22	534	40	41	81	531	42	573
	2009	490	22	512	34	41	75	503	43	546
	2010	510	23	533	33	39	72	518	41	559
	2011	580	20	600	42	36	78	595	38	633
Pot Pacific Cod	2007	137	1	138	64	3	67	179	4	183
	2008	143	1	144	56	7	63	174	8	182
	2009	122	2	124	43	4	47	151	5	156

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Table 41: continued

		Gulf of Alaska			Bering Sea and Aleutian Islands			All Alaska		
		Catcher Year vessels	Catcher processors	Total	Catcher vessels	Catcher processors	Total	Catcher vessels	Catcher processors	Total
		2010 111	-	111	43	7	50	137	7	144
		2011 143	1	144	47	5	52	173	5	178
		2007 59	-	59	90	20	110	130	20	150
		2008 61	-	61	89	33	122	130	33	163
	Pollock	2009 62	1	63	89	33	122	130	33	163
		2010 63	-	63	90	29	119	134	29	163
		2011 62	3	65	86	30	116	129	30	159
		2007 14	-	14	-	1	1	14	1	15
		2008 13	-	13	-	3	3	13	3	16
	Sablefish	2009 15	1	16	-	1	1	15	2	17
		2010 12	1	13	-	-	-	12	1	13
		2011 13	-	13	-	-	-	13	-	13
		2007 60	2	62	65	24	89	110	24	134
		2008 64	3	67	66	14	80	113	14	127
	Pacific Cod	2009 59	4	63	54	16	70	103	17	120
		2010 52	1	53	48	16	64	90	17	107
		2011 52	1	53	50	16	66	86	16	102
		2007 29	12	41	4	30	34	30	31	61
		2008 33	6	39	3	34	37	35	35	70
	Flatfish	2009 33	6	39	1	29	30	34	30	64
		2010 27	6	33	-	29	29	27	30	57
		2011 31	6	37	3	29	32	33	30	63
		2007 27	7	34	2	8	10	29	13	42
		2008 28	11	39	2	12	14	29	15	44
	Rockfish	2009 26	15	41	2	11	13	28	15	43
		2010 27	15	42	2	15	17	29	19	48
		2011 25	12	37	2	16	18	27	18	45
		2007 -	1	1	1	17	18	1	17	18
		2008 -	-	-	2	9	11	2	9	11

Alaska Mackerel  
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Table 41: continued

		Gulf of Alaska			Bering Sea and Aleutian Islands			All Alaska		
		Catcher Year vessels	Catcher processors	Total	Catcher vessels	Catcher processors	Total	Catcher vessels	Catcher processors	Total
	2009	-	-	-	1	12	13	1	12	13
	2010	-	1	1	2	7	9	2	8	10
	2011	-	1	1	5	9	14	5	9	14
	2007	72	15	87	113	39	152	149	40	189
	2008	73	14	87	109	40	149	150	41	191
All Groundfish	2009	71	18	89	110	36	146	148	37	185
	2010	67	17	84	103	35	138	141	36	177
	2011	68	17	85	105	36	141	140	37	177
	2007	643	37	680	213	80	293	776	83	859
	2008	693	37	730	208	85	293	822	87	909
All gear All Groundfish	2009	641	42	683	190	79	269	762	82	844
	2010	657	40	697	181	78	259	768	81	849
	2011	750	38	788	198	74	272	867	77	944

**Notes:** The target is determined based on vessel, week, catching mode, NMFS area, and gear. These estimates include only vessels that fished part of federal TACs.

**Source:** Catch Accounting System estimates, fish tickets, observer data, federal permit file, CFEC vessel data (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 42: Number of vessels, mean length and mean net tonnage for vessels that caught groundfish off Alaska by area, vessel-length class (feet), and gear, 2007 - 2011 (excluding catcher-processors).

		Gulf of Alaska			Bering Sea and Aleutian Islands			All Alaska			
		Year	<60	60-125	>=125	<60	60-125	>=125	<60	60-125	>=125
Hook & line	2007	439	58	-	31	5	-	452	59	-	
	2008	490	57	-	42	4	-	513	58	-	
	2009	474	60	-	31	8	-	488	63	-	
	2010	492	57	-	32	9	-	503	60	-	
	2011	564	56	-	40	5	-	580	58	-	
Number of vessels	Pot	2007	101	35	1	19	40	11	106	67	11
		2008	108	32	3	19	36	10	116	57	10
		2009	97	25	-	19	24	8	105	45	8
		2010	86	24	1	13	25	9	90	42	9
		2011	117	26	-	15	30	8	123	48	8
Trawl	2007	26	46	-	7	79	27	26	96	27	
	2008	27	44	2	5	76	28	27	95	28	
	2009	27	44	-	7	75	28	27	93	28	
	2010	24	43	-	5	70	28	25	88	28	
	2011	23	45	-	1	76	28	23	89	28	

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Table 42: continued

		Gulf of Alaska			Bering Sea and Aleutian Islands			All Alaska		
		Year <60	60-125	>=125	<60	60-125	>=125	<60	60-125	>=125
Hook & line	2007	46	72	-	47	72	-	46	72	-
	2008	45	72	-	47	76	-	45	73	-
	2009	46	73	-	48	84	-	46	74	-
	2010	46	74	-	48	81	-	46	75	-
	2011	44	74	-	47	78	-	44	74	-
Mean vessel length (feet)Pot	2007	54	92	133	53	104	128	54	98	129
	2008	53	92	132	54	106	129	54	99	129
	2009	54	87	-	56	105	134	54	96	134
	2010	54	91	133	56	105	134	55	98	134
	2011	53	92	-	57	107	135	53	100	135
Trawl	2007	58	94	-	58	106	156	58	102	156
	2008	58	93	137	58	106	155	58	102	154
	2009	58	94	-	58	107	155	58	102	155
	2010	58	93	-	58	106	155	58	101	155
	2011	58	93	-	58	105	155	58	101	155

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Table 42: continued

		Gulf of Alaska			Bering Sea and Aleutian Islands			All Alaska			
		Year	<60	60-125	>=125	<60	60-125	>=125	<60	60-125	>=125
Hook & line	2007	28	62	-	28	77	-	28	64	-	
	2008	27	61	-	30	91	-	27	63	-	
	2009	28	61	-	36	95	-	28	65	-	
	2010	27	68	-	36	106	-	28	74	-	
	2011	26	64	-	33	100	-	26	67	-	
Mean Registered net tons	Pot	2007	44	104	97	47	128	126	45	117	124
		2008	44	100	121	51	125	125	45	113	124
		2009	46	96	-	61	129	128	48	112	128
		2010	46	96	97	66	119	145	49	107	140
		2011	43	103	-	67	120	147	46	112	147
Trawl	2007	63	101	-	64	116	241	63	110	241	
	2008	65	104	204	68	116	238	66	112	235	
	2009	66	102	-	67	115	238	66	110	238	
	2010	71	102	-	67	116	238	70	111	238	
	2011	69	100	-	75	114	238	69	109	238	

**Notes:** If the permit files do not report a length for a vessel, the vessel is counted in the "less than 60 feet" class. These estimates include only vessels that fished part of federal TACs.

**Source:** Catch Accounting System, ADFG fish tickets, observer data, NMFS permits (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 43: Number of smaller hook-and-line vessels that caught groundfish off Alaska, by area and vessel-length class (feet), 2007 - 2011 (excluding catcher-processors)

		Year	<26	26-29	30-34	35-39	40-44	45-49	50-54	55-60	>=60
Number of vessels	Gulf of Alaska	2007	8	4	47	42	92	78	55	113	58
		2008	14	7	53	66	92	84	57	117	57
		2009	16	5	55	51	88	81	57	121	60
		2010	10	6	61	58	87	87	59	124	57
		2011	30	13	82	68	101	91	58	121	56
	Bering Sea and Aleutian Islands	2007	-	-	2	4	8	3	3	11	5
		2008	1	-	5	7	4	4	5	16	4
		2009	1	-	3	3	3	6	3	12	8
		2010	1	-	3	4	3	5	3	13	9
		2011	1	-	5	5	3	8	4	14	5
	All Alaska	2007	8	4	49	44	95	80	56	116	59
2008		14	7	58	70	95	84	60	125	58	
2009		17	5	57	52	89	84	58	126	63	
2010		11	6	62	60	88	88	59	129	60	
2011		31	13	84	71	101	92	59	129	58	

**Notes:** If the permit files do not report a length for a vessel, the vessel is counted in the “<26” class.

**Source:** Catch Accounting System, ADFG fish tickets, observer data, NMFS permits (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 44: Number of vessels, mean length and mean net tonnage for vessels that caught and processed groundfish off Alaska by area, vessel-length class (feet), and gear, 2007 - 2011

		Gulf of Alaska					Bering Sea and Aleutian Islands					All Alaska				
Year		<125	125-165	166-235	236-260	>260	<125	125-165	166-235	236-260	>260	<125	125-165	166-235	236-260	>260
Hook & line	2007	12	4	6	-	-	13	15	10	-	-	14	15	10	-	-
	2008	13	4	5	-	-	16	15	10	-	-	17	15	10	-	-
	2009	11	5	6	-	-	16	15	10	-	-	18	15	10	-	-
	2010	14	4	5	-	-	16	14	9	-	-	18	14	9	-	-
	2011	12	3	5	-	-	17	12	7	-	-	19	12	7	-	-
Number of vessels	2007	1	-	-	-	-	1	1	1	-	-	2	1	1	-	-
	2008	-	1	-	-	-	5	1	1	-	-	5	2	1	-	-
	2009	1	1	-	-	-	2	1	1	-	-	2	2	1	-	-
	2010	-	-	-	-	-	4	2	1	-	-	4	2	1	-	-
	2011	-	1	-	-	-	2	2	1	-	-	2	2	1	-	-
Trawl	2007	4	3	7	1	-	6	4	11	3	15	7	4	11	3	15
	2008	4	1	7	1	1	7	4	11	3	15	8	4	11	3	15
	2009	5	3	8	1	1	6	4	10	3	13	7	4	10	3	13
	2010	3	3	9	1	1	5	4	9	3	14	6	4	9	3	14
	2011	4	2	9	1	1	5	4	10	3	14	6	4	10	3	14

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Table 44: continued

		Gulf of Alaska					Bering Sea and Aleutian Islands					All Alaska				
Year		<125	125-165	166-235	236-260	>260	<125	125-165	166-235	236-260	>260	<125	125-165	166-235	236-260	>260
Hook & line	2007	114	145	176	-	-	118	146	178	-	-	116	146	177	-	-
	2008	106	146	176	-	-	111	146	178	-	-	108	146	177	-	-
	2009	106	143	175	-	-	110	146	178	-	-	108	145	177	-	-
	2010	100	145	176	-	-	108	147	176	-	-	104	146	176	-	-
	2011	95	141	176	-	-	106	146	175	-	-	102	145	176	-	-
Mean vessel length (feet)	2007	76	-	-	-	-	104	165	166	-	-	90	165	166	-	-
	2008	-	165	-	-	-	105	165	166	-	-	105	165	166	-	-
	Pot 2009	104	165	-	-	-	106	165	166	-	-	105	165	166	-	-
	2010	-	-	-	-	-	98	165	166	-	-	98	165	166	-	-
	2011	-	165	-	-	-	101	165	166	-	-	101	165	166	-	-
Trawl	2007	111	144	198	238	-	118	148	203	245	303	115	146	202	243	303
	2008	109	160	212	238	295	115	148	203	245	303	113	150	207	243	303
	2009	108	144	209	238	295	113	148	204	245	308	111	146	206	243	307
	2010	112	144	204	238	295	115	148	204	245	305	114	146	204	243	305
	2011	111	146	204	238	295	116	148	204	245	305	114	147	204	243	305

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Table 44: continued

		Gulf of Alaska					Bering Sea and Aleutian Islands					All Alaska				
Year		<125	125-165	166-235	236-260	>260	<125	125-165	166-235	236-260	>260	<125	125-165	166-235	236-260	>260
Hook & line	2007	133	285	526	-	-	128	323	546	-	-	130	315	539	-	-
	2008	117	358	562	-	-	125	323	546	-	-	121	330	552	-	-
	2009	118	347	555	-	-	117	323	546	-	-	117	329	550	-	-
	2010	114	285	562	-	-	126	338	471	-	-	121	326	504	-	-
	2011	99	335	562	-	-	115	322	513	-	-	108	325	534	-	-
Mean Registered netPot tons	2007	134	-	-	-	-	111	793	192	-	-	123	793	192	-	-
	2008	-	135	-	-	-	143	793	192	-	-	143	464	192	-	-
	2009	111	135	-	-	-	105	793	192	-	-	107	464	192	-	-
	2010	-	-	-	-	-	136	464	192	-	-	136	464	192	-	-
	2011	-	135	-	-	-	123	464	192	-	-	123	354	192	-	-
Trawl	2007	125	214	600	611	-	153	254	640	985	1659	142	237	624	892	1659
	2008	129	380	623	611	693	153	254	640	985	1659	144	279	633	892	1599
	2009	130	214	641	611	693	138	254	588	985	1647	134	237	611	892	1579
	2010	121	214	584	611	693	138	254	584	985	1711	132	237	584	892	1643
	2011	125	256	584	611	693	134	254	588	985	1711	130	254	586	892	1643

**Notes:** If the permit files do not report a length for a vessel, the vessel is counted in the “less than 125 feet” class. These estimates include only vessels that fished part of federal TACs.

**Source:** Catch Accounting System, NMFS permits (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 45: Number of vessels that caught groundfish off Alaska by area, tonnage caught, and gear, 2004 - 2011

		Gulf of Alaska			Bering Sea and Aleutian Islands			All Alaska			
		Year	2- <2 MT	25MT	>25MT	<2 MT	2- 25MT	>25MT	<2 MT	2- 25MT	>25MT
Hook & line	2004	346	295	239	12	26	50	357	316	268	
	2005	300	267	215	17	25	54	317	286	245	
	2006	208	211	202	12	23	52	220	229	226	
	2007	122	180	217	11	19	44	131	196	238	
	2008	152	207	210	10	24	53	161	230	237	
	2009	122	227	207	10	16	54	132	241	235	
	2010	135	218	219	7	27	46	142	243	244	
	2011	169	245	226	11	23	47	179	266	255	
Pot	2004	34	18	97	1	10	72	35	27	148	
	2005	40	22	90	6	5	63	46	27	133	
	2006	41	15	90	4	13	57	45	28	129	
	2007	24	20	94	3	4	66	26	24	146	
	2008	24	31	89	4	4	64	28	35	138	
	2009	33	15	76	1	7	47	34	22	112	
	2010	13	9	89	1	5	48	14	14	121	
	2011	38	6	100	1	1	56	39	7	141	
Trawl	2004	-	-	93	2	2	151	2	2	191	
	2005	-	4	90	-	1	147	-	5	189	
	2006	-	-	90	-	2	142	-	2	190	
	2007	-	2	85	-	1	151	-	3	189	
	2008	-	1	86	-	3	146	-	4	191	
	2009	1	2	86	-	1	145	1	3	183	
	2010	-	-	84	1	-	137	1	-	176	
	2011	-	5	80	-	1	140	-	6	173	
All gear	2004	378	313	405	15	38	270	392	345	579	
	2005	336	290	375	22	31	262	358	313	544	
	2006	247	224	366	15	37	248	262	256	524	
	2007	145	202	378	14	24	259	156	223	552	
	2008	175	237	364	14	29	260	188	264	538	
	2009	154	243	351	11	24	241	165	265	505	
	2010	148	226	368	9	32	228	157	256	515	
	2011	206	256	381	12	25	238	217	279	537	

**Notes:** These estimates include only vessels fishing part of federal TACs.

**Source:** Blend estimates, Catch Accounting System, fish tickets, observer data, federal permit file, CFEC vessel data (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 46: Number of vessels that caught groundfish off Alaska by area, residency, gear, and target, 2007 - 2011

		Gulf of Alaska		Bering Sea and Aleutian Islands		All Alaska		
		Alaska	Other	Alaska	Other	Alaska	Other	
		Year						
Pollock		2007	2	2	-	-	2	2
		2008	-	-	-	1	-	1
		2009	1	-	-	-	1	-
		2010	1	-	-	-	1	-
		2011	5	-	1	-	6	-
Sablefish		2007	217	91	14	14	224	94
		2008	208	87	9	14	213	93
		2009	201	82	16	13	209	88
		2010	211	78	16	12	217	85
		2011	207	80	18	14	219	86
Hook & line	Pacific Cod	2007	167	27	28	32	181	49
		2008	224	36	33	39	241	60
		2009	210	27	23	31	223	48
		2010	214	28	20	32	223	47
		2011	281	33	23	27	291	52
Flatfish		2007	-	-	1	11	1	11
		2008	-	-	-	7	-	7
		2009	-	-	-	9	-	9
		2010	-	-	2	10	2	10
		2011	-	-	2	6	2	6
Rockfish		2007	35	5	1	3	36	8
		2008	35	7	-	-	35	7
		2009	30	4	-	2	30	5
		2010	36	5	-	3	36	8
		2011	40	4	-	-	40	4
All Groundfish		2007	402	117	37	37	418	132
		2008	450	119	44	43	472	141
		2009	442	114	43	37	460	134
		2010	464	108	40	40	474	130
		2011	525	115	43	38	540	136
Pot	Pacific Cod	2007	119	19	25	42	130	53
		2008	118	26	22	41	127	55
		2009	108	16	18	29	115	41
		2010	96	15	21	29	105	39
		2011	125	19	20	32	134	44
Pollock		2007	22	37	10	100	26	124
		2008	23	38	14	108	31	132
		2009	26	37	14	108	33	130
		2010	29	34	14	105	37	126
		2011	25	40	12	104	32	127
		2007	5	9	-	1	5	10

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Sablefish

Table 46: continued

		Gulf of Alaska		Bering Sea and Aleu- tian Islands		All Alaska	
		Alaska	Other	Alaska	Other	Alaska	Other
Year							
	2008	4	9	-	3	4	12
	2009	7	9	-	1	7	10
	2010	4	9	-	-	4	9
	2011	6	7	-	-	6	7
Pacific Cod	2007	28	34	8	81	33	101
	2008	28	39	5	75	30	97
	2009	30	33	8	62	36	84
	2010	24	29	5	59	27	80
	2011	18	35	10	56	22	80
Flatfish	2007	13	28	7	27	15	46
	2008	12	27	6	31	18	52
	2009	16	23	7	23	22	42
	2010	14	19	8	21	21	36
	2011	12	25	6	26	18	45
Rockfish	2007	14	20	1	9	14	28
	2008	14	25	3	11	17	27
	2009	16	25	2	11	16	27
	2010	18	24	3	14	19	29
	2011	14	23	3	15	16	29
Atka Mackerel	2007	-	1	3	15	3	15
	2008	-	-	-	11	-	11
	2009	-	-	1	12	1	12
	2010	-	1	-	9	-	10
	2011	-	1	-	14	-	14
All Groundfish	2007	33	54	18	134	38	151
	2008	31	56	16	133	39	152
	2009	36	53	16	130	40	145
	2010	34	50	15	123	38	139
	2011	28	57	14	127	33	144
All gear All Groundfish	2007	528	181	82	215	560	329
	2008	574	191	83	216	612	337
	2009	552	175	78	196	581	311
	2010	570	166	77	190	595	299
	2011	647	181	79	196	674	313

**Notes:** The target is determined based on vessel, week, processing mode, NMFS area, and gear. Vessels are classified by the residency of the owner of the fishing vessel. These estimates include only vessels fishing part of federal TACs.

**Source:** Catch Accounting System, fish tickets, observer data, federal permit file, CFEC vessel data (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 47: Number of vessels that caught groundfish off Alaska by month, area, vessel type, and gear, 2007 - 2011

		Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	
Gulf of Alaska	Hook & line	2007	61	78	98	103	182	162	85	91	134	96	78	58	497	
		2008	86	88	118	136	190	154	115	122	144	76	35	10	547	
		2009	101	57	75	184	242	115	67	76	129	107	21	5	534	
		2010	83	61	94	169	216	115	81	76	151	78	22	14	549	
		2011	88	74	136	236	158	116	73	62	172	117	27	58	620	
	Catcher vessels	Pot	2007	71	88	84	58	9	-	-	-	20	25	19	26	137
			2008	82	88	97	29	-	-	-	-	26	28	26	5	143
			2009	71	79	52	32	1	-	-	-	21	27	12	-	122
			2010	69	88	43	8	2	1	-	-	45	23	1	2	111
			2011	72	107	77	-	-	-	-	1	56	51	4	25	143
	Trawl	2007	51	51	61	22	20	17	21	26	34	34	16	2	72	
		2008	40	50	61	37	22	11	19	34	40	42	21	4	73	
		2009	46	50	49	22	19	18	10	34	39	50	13	6	71	
		2010	52	53	48	37	24	16	14	36	53	50	12	3	67	
		2011	39	42	51	29	19	13	8	20	50	54	8	1	68	
	All gear	2007	174	207	231	183	211	179	106	117	188	153	112	86	671	
		2008	206	222	267	200	212	165	134	156	209	145	82	19	728	
		2009	216	184	171	236	262	133	77	110	187	176	46	11	685	
		2010	202	193	181	214	242	132	95	112	242	149	35	19	696	
		2011	197	220	252	264	177	129	81	83	276	220	39	84	790	
	Catcher processors	Hook & line	2007	-	9	12	9	5	4	3	3	2	5	1	4	22
			2008	1	14	15	9	4	2	2	3	4	4	-	-	22
			2009	2	14	3	7	10	1	2	3	2	5	4	-	22
			2010	3	17	5	4	5	3	2	3	11	6	-	-	23
			2011	10	8	1	5	4	2	2	2	7	5	2	3	20
Pot		2007	1	1	1	-	-	-	-	-	-	1	1	-	1	
		2008	-	1	1	-	-	-	-	-	-	-	-	-	1	
		2009	-	2	-	-	-	-	-	-	-	-	-	-	2	
		2010	1	1	-	-	-	-	-	-	-	-	-	-	1	
		2011	1	1	-	-	-	-	-	-	-	-	-	-	1	
Trawl		2007	1	4	6	2	8	1	8	11	4	2	-	-	15	
		2008	2	3	4	6	2	-	13	3	2	4	1	-	14	
		2009	-	2	1	5	2	-	17	4	3	3	1	1	18	
		2010	-	1	4	5	2	-	16	1	1	2	2	2	17	
		2011	-	1	3	6	1	4	14	3	2	3	2	-	17	
All gear		2007	2	14	19	11	13	5	11	14	6	8	2	4	38	
		2008	3	18	20	15	6	2	15	6	6	8	1	-	37	
		2009	2	18	4	12	12	1	19	7	5	8	5	1	42	
		2010	3	18	9	9	7	3	18	4	12	8	2	2	40	
		2011	11	10	4	11	5	6	16	5	9	8	4	3	38	

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Table 47: continued

		Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	
Bering Sea and Aleutian Islands	Hook & line	2007	3	6	6	3	8	10	15	11	8	6	3	1	36	
		2008	5	8	10	2	10	14	11	22	12	6	2	1	46	
		2009	7	8	9	2	3	11	10	13	11	7	2	1	39	
		2010	2	4	2	2	11	15	15	17	18	8	4	-	41	
		2011	4	4	4	4	14	14	20	18	18	9	2	-	45	
	Catcher vessels	Pot	2007	49	8	15	5	13	9	7	6	27	13	4	-	70
			2008	42	7	13	6	13	8	6	4	25	28	9	1	65
			2009	28	14	15	7	12	8	6	4	6	11	6	5	51
			2010	27	8	14	5	5	3	2	2	10	17	11	-	47
			2011	35	12	16	6	9	6	3	3	29	31	3	-	53
	Trawl	2007	89	101	105	49	3	52	69	78	73	60	36	-	113	
		2008	84	101	104	50	3	59	68	62	61	30	5	-	109	
		2009	65	96	103	49	-	68	71	66	30	10	1	-	110	
		2010	47	89	99	58	-	59	67	64	29	12	-	-	103	
		2011	53	94	91	74	1	69	72	69	56	49	4	-	105	
	All gear	2007	141	115	126	56	24	71	91	95	108	79	43	1	217	
		2008	131	116	127	58	26	81	85	87	98	64	16	2	214	
		2009	100	118	127	58	15	86	87	83	47	28	9	6	195	
		2010	76	101	115	65	16	77	84	83	57	37	15	-	189	
		2011	92	110	111	84	23	89	95	90	103	89	9	-	201	
	Hook & line	2007	36	36	14	7	3	11	13	36	38	36	3	18	38	
		2008	36	36	15	6	3	8	15	39	38	37	34	17	41	
		2009	37	37	14	8	5	9	16	36	37	36	34	32	41	
		2010	36	36	13	7	7	9	15	25	27	28	26	20	39	
		2011	24	28	29	24	15	15	23	27	30	31	28	24	36	
Catcher processors	Pot	2007	3	3	1	1	-	1	-	-	3	-	-	-	3	
		2008	6	-	2	2	2	1	2	1	5	4	1	-	7	
		2009	3	2	1	1	2	2	-	-	3	3	3	3	4	
		2010	3	4	3	3	3	3	-	2	5	4	3	1	7	
		2011	5	-	1	2	1	-	-	-	2	3	1	1	5	
Trawl	2007	38	39	38	29	22	36	35	35	26	17	11	1	39		
	2008	34	38	39	24	20	23	31	34	34	29	19	3	40		
	2009	31	34	34	26	15	18	29	32	29	22	8	-	36		
	2010	28	33	32	22	19	24	28	29	25	20	12	2	35		
	2011	27	34	33	31	21	32	32	31	33	32	25	6	36		
All gear	2007	77	78	53	37	25	48	48	71	67	53	14	19	80		
	2008	76	74	56	32	25	32	47	74	76	69	54	20	85		
	2009	71	73	49	35	21	29	45	68	69	61	45	35	79		
	2010	67	72	48	32	29	36	43	56	57	52	41	23	78		
	2011	56	62	63	57	37	47	55	58	65	65	54	31	74		

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Table 47: continued

		Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	
All Alaska	Hook & line	2007	63	83	100	106	190	170	97	101	140	99	79	59	511	
		2008	91	92	127	138	197	168	125	143	153	82	37	11	571	
		2009	108	63	83	186	245	124	76	89	138	114	23	6	551	
		2010	85	63	96	170	225	129	91	92	164	85	26	14	563	
		2011	90	77	140	240	171	129	91	79	184	124	29	58	638	
	Catcher vessels	Pot	2007	116	94	95	63	22	9	7	6	45	37	23	26	184
			2008	112	92	105	35	13	8	6	4	51	55	34	6	183
			2009	96	90	62	39	13	8	6	4	27	38	18	5	158
			2010	94	94	55	13	7	4	2	2	55	38	12	2	141
			2011	101	115	89	6	9	6	3	4	84	82	7	25	179
	Trawl	2007	139	148	148	69	23	64	84	103	105	93	52	2	149	
		2008	124	145	147	83	25	69	83	95	97	72	26	4	150	
		2009	111	145	140	70	19	79	81	99	68	60	14	6	148	
		2010	99	135	134	91	24	71	78	97	82	60	12	3	141	
		2011	92	124	134	99	20	77	78	87	105	102	12	1	140	
	All gear	2007	309	315	331	237	235	243	188	210	290	227	153	87	806	
		2008	325	325	370	253	235	245	214	241	300	208	97	21	862	
		2009	313	296	280	293	275	210	163	192	231	204	55	17	810	
		2010	276	283	281	274	256	204	171	191	294	181	50	19	813	
		2011	281	313	351	344	199	212	172	170	371	306	48	84	910	
Hook & line	2007	36	36	20	12	8	14	15	37	39	36	4	19	39		
	2008	37	37	23	13	6	10	17	40	41	40	34	17	42		
	2009	38	38	16	12	12	10	18	37	39	38	36	32	43		
	2010	38	38	17	9	11	10	16	27	32	31	26	20	41		
	2011	30	32	29	26	17	17	25	28	35	33	28	25	38		
Catcher processors	Pot	2007	4	4	2	1	-	1	-	-	3	1	1	-	4	
		2008	6	1	3	2	2	1	2	1	5	4	1	-	8	
		2009	3	4	1	1	2	2	-	-	3	3	3	3	5	
		2010	3	4	3	3	3	3	-	2	5	4	3	1	7	
		2011	5	1	1	2	1	-	-	-	2	3	1	1	5	
Trawl	2007	38	40	40	30	23	36	38	38	28	19	11	1	40		
	2008	36	40	41	27	22	23	35	36	35	30	19	3	41		
	2009	31	35	35	29	17	18	34	34	30	24	9	1	37		
	2010	28	34	33	25	20	24	31	30	26	21	13	4	36		
	2011	27	35	34	34	22	33	35	33	34	33	27	6	37		
All gear	2007	78	80	62	43	31	51	53	75	70	56	16	20	83		
	2008	79	77	67	42	30	34	53	77	80	73	54	20	87		
	2009	72	76	52	42	30	30	52	71	72	65	48	36	82		
	2010	69	75	53	37	34	37	47	59	63	56	42	25	81		
	2011	62	67	64	62	40	50	60	61	71	68	56	32	77		

**Notes:** These estimates include only vessels fishing part of federal TACs.

**Source:** Catch Accounting System, fish tickets, observer data, federal permit file, CFEC vessel data (housed at the Alaska Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 48: Catcher vessel (excluding catcher-processors) weeks of fishing groundfish off Alaska by area, vessel-length class (feet), gear, and target, 2007 - 2011

		Gulf of Alaska			Bering Sea and Aleutian Islands			All Alaska			
		Year	<60	60-125	>=125	<60	60-125	>=125	<60	60-125	>=125
Sablefish		2007	699	203	-	21	6	-	720	209	-
		2008	647	193	-	28	3	-	676	196	-
		2009	622	170	-	36	16	-	658	186	-
		2010	696	187	-	58	14	-	754	201	-
		2011	719	177	-	65	11	-	784	188	-
Hook & line	Pacific Cod	2007	1005	41	-	100	0	-	1105	41	-
		2008	1077	47	-	136	0	-	1214	47	-
		2009	1118	47	-	60	-	-	1178	47	-
		2010	980	25	-	71	0	-	1051	25	-
		2011	1213	49	-	106	1	-	1319	50	-
Rockfish		2007	78	-	-	1	-	-	79	-	-
		2008	56	1	-	-	-	-	56	1	-
		2009	50	1	-	-	-	-	50	1	-
		2010	61	3	-	-	-	-	61	3	-
		2011	63	1	-	-	-	-	63	1	-
All Groundfish		2007	1792	245	-	122	6	-	1914	251	-
		2008	1785	241	-	165	3	-	1949	244	-
		2009	1806	220	-	96	16	-	1903	236	-
		2010	1750	216	-	130	14	-	1880	230	-
		2011	2004	227	-	171	12	-	2175	239	-
Pot	Pacific Cod	2007	724	293	2	99	192	56	823	485	58
		2008	741	236	5	98	176	56	839	412	61
		2009	617	146	-	114	65	21	732	211	21
		2010	585	140	2	82	129	32	667	269	34
		2011	826	181	-	123	152	35	949	333	35
Pollock		2007	96	243	-	-	1093	663	96	1337	663
		2008	92	228	1	-	849	528	92	1078	529
		2009	95	131	-	-	783	450	95	913	450
		2010	194	325	-	1	711	433	195	1036	433

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Table 48: continued

	Year	Gulf of Alaska			Bering Sea and Aleutian Islands			All Alaska		
		<60	60-125	>=125	<60	60-125	>=125	<60	60-125	>=125
	2011	169	291	-	-	996	601	169	1287	601
Sablefish	2007	-	9	-	-	-	-	-	9	-
	2008	-	12	-	-	-	-	-	12	-
	2009	-	15	-	-	-	-	-	15	-
	2010	-	9	-	-	-	-	-	9	-
	2011	-	12	-	-	-	-	-	12	-
Pacific Cod	2007	92	143	-	21	298	23	113	441	23
	2008	119	166	1	15	300	44	134	466	45
	2009	102	71	-	28	222	22	130	293	22
	2010	37	128	-	18	196	25	55	325	25
	2011	29	121	-	1	255	36	30	376	36
Flatfish	2007	17	232	-	-	12	6	17	244	6
	2008	19	268	4	-	5	15	19	273	19
	2009	16	323	-	-	-	4	16	323	4
	2010	16	194	-	-	-	-	16	194	-
	2011	2	187	-	-	0	16	2	187	16
Rockfish	2007	4	96	-	-	1	2	4	97	2
	2008	1	86	1	-	6	3	1	92	4
	2009	2	79	-	-	-	9	2	79	9
	2010	2	90	-	-	-	5	2	90	5
	2011	-	78	-	-	-	6	-	78	6
Atka Mackerel	2007	-	-	-	-	-	9	-	-	9
	2008	-	-	-	-	0	7	-	0	7
	2009	-	-	-	-	-	14	-	-	14
	2010	-	-	-	-	1	13	-	1	13
	2011	-	-	-	-	3	15	-	3	15
All Groundfish	2007	209	724	-	21	1405	703	230	2129	703
	2008	231	761	7	15	1160	597	246	1921	604
	2009	215	622	-	28	1005	499	243	1627	499
	2010	249	746	-	19	909	476	268	1655	476

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Table 48: continued

		Gulf of Alaska			Bering Sea and Aleutian Islands			All Alaska			
		Year	<60	60-125	>=125	<60	60-125	>=125	<60	60-125	>=125
		2011	200	691	-	1	1254	673	201	1945	673
All gear	All Groundfish	2007	2725	1261	2	262	1688	759	2987	2949	761
		2008	2758	1237	12	298	1400	653	3056	2637	665
		2009	2639	989	-	251	1155	538	2890	2144	538
		2010	2589	1101	2	230	1101	530	2819	2202	532
		2011	3030	1098	-	295	1478	725	3325	2576	725

**Notes:** These estimates include only vessels fishing part of federal TACs. A vessel that fished more than one category in a week is apportioned a partial week based on catch weight. A target is determined based on vessel, week, processing mode, NMFS area, and gear. All groundfish include additional target categories.

**Source:** Catch Accounting System, fish tickets, observer data, federal permit file, CFEC vessel data (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 49: Catcher/processor vessel weeks of fishing groundfish off Alaska by area, vessel-length class (feet), gear, and target, 2007 - 2011

		Gulf of Alaska				Bering Sea and Aleutian Islands				All Alaska				
		Year	<60	60-124	125-230	>230	<60	60-124	125-230	>230	<60	60-124	125-230	>230
Sablefish		2007	12	52	19	-	-	25	12	-	12	77	31	-
		2008	11	36	13	-	1	32	9	-	12	68	22	-
		2009	5	28	20	-	12	49	11	-	17	77	30	-
		2010	6	14	17	-	-	44	10	-	6	58	27	-
		2011	9	14	17	-	2	70	5	-	11	84	23	-
Pacific Cod		2007	-	33	10	-	-	205	443	-	-	238	453	-
		2008	10	38	15	-	5	274	553	-	15	312	568	-
		2009	2	52	12	-	6	289	562	-	8	341	575	-
		2010	17	51	24	-	12	230	496	-	29	281	520	-
		2011	13	66	20	-	2	288	660	-	15	354	680	-
Hook & line Flatfish		2007	-	-	-	-	-	9	39	-	-	9	39	-
		2008	-	-	-	-	-	11	18	-	-	11	18	-
		2009	-	-	-	-	-	23	28	-	-	23	28	-
		2010	-	-	-	-	3	29	45	-	3	29	45	-
		2011	-	-	-	-	2	33	16	-	2	33	16	-
Rockfish		2007	-	-	-	-	-	-	1	-	-	-	1	-
		2008	1	-	-	-	-	-	-	-	1	-	-	-
		2009	-	-	2	-	-	-	1	-	-	-	3	-
		2010	-	-	-	-	-	-	0	-	-	-	0	-
All Groundfish		2007	12	86	29	-	-	239	497	-	12	325	526	-
		2008	22	74	28	-	6	318	580	-	28	392	608	-
		2009	7	80	34	-	18	361	604	-	25	441	638	-
		2010	23	65	41	-	15	303	552	-	38	368	593	-
		2011	22	80	38	-	6	391	681	-	28	471	719	-
Pot Pacific Cod		2007	-	16	-	-	-	8	24	-	-	24	24	-
		2008	-	-	2	-	-	37	21	-	-	37	23	-
		2009	-	4	2	-	-	32	37	-	-	36	39	-
		2010	-	-	-	-	21	67	25	-	21	67	25	-

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Table 49: continued

		Gulf of Alaska				Bering Sea and Aleutian Islands				All Alaska			
Year		<60	60-124	125-230	>230	<60	60-124	125-230	>230	<60	60-124	125-230	>230
	2011	-	-	3	-	-	15	29	-	-	15	32	-
Pollock	2007	-	-	-	-	-	1	31	358	-	1	31	358
	2008	-	-	-	-	-	1	36	289	-	1	36	289
	2009	-	0	-	-	-	4	16	242	-	4	16	242
	2010	-	-	-	-	-	2	9	237	-	2	9	237
	2011	-	0	0	-	-	4	10	414	-	4	10	414
	Sablefish	2007	-	-	-	-	-	-	0	-	-	-	0
2008		-	-	-	-	-	0	0	-	-	0	0	-
2009		-	-	0	-	-	0	-	-	-	0	0	-
2010		-	-	0	-	-	-	-	-	-	-	0	-
Pacific Cod	2007	-	3	-	-	-	53	87	13	-	56	87	13
	2008	-	6	0	-	-	6	9	8	-	12	9	8
	2009	-	6	0	-	-	6	9	6	-	12	9	6
	2010	-	0	-	-	-	5	7	8	-	5	7	8
	2011	-	-	1	-	-	3	4	1	-	3	5	1
	Trawl Flatfish	2007	-	46	16	-	-	96	250	65	-	142	266
2008		-	53	8	-	-	190	389	74	-	243	397	74
2009		-	57	9	-	-	158	333	49	-	216	342	49
2010		-	49	9	-	-	149	357	51	-	199	366	51
2011		-	50	17	-	-	144	407	52	-	194	423	52
Rockfish		2007	-	3	24	1	-	0	12	5	-	3	36
	2008	-	8	23	2	-	0	15	8	-	8	38	9
	2009	-	9	28	2	-	1	11	8	-	11	38	10
	2010	-	3	33	3	-	0	18	7	-	3	51	10
	2011	-	-	29	2	-	5	24	12	-	5	53	14
Atka Mackerel	2007	-	-	0	-	-	9	72	27	-	9	73	27
	2008	-	-	-	-	-	2	62	23	-	2	62	23
	2009	-	-	-	-	-	1	76	33	-	1	76	33
	2010	-	-	0	-	-	-	77	33	-	-	77	33

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Table 49: continued

		Gulf of Alaska				Bering Sea and Aleutian Islands				All Alaska			
Year		<60	60-124	125-230	>230	<60	60-124	125-230	>230	<60	60-124	125-230	>230
	2011	-	-	0	-	-	0	60	25	-	0	60	25
All Groundfish	2007	-	52	41	1	-	160	454	467	-	212	495	468
	2008	-	67	31	2	-	198	511	401	-	265	542	403
	2009	-	73	37	2	-	171	445	339	-	244	482	341
	2010	-	53	43	3	-	157	467	335	-	210	510	338
	2011	-	50	47	2	-	156	505	504	-	206	552	506
All gear All Groundfish	2007	12	154	70	1	-	414	975	467	12	568	1045	468
	2008	22	141	61	2	6	566	1112	401	28	707	1173	403
	2009	7	156	73	2	18	565	1086	339	25	721	1159	341
	2010	23	118	84	3	36	527	1044	335	59	645	1128	338
	2011	22	130	87	2	6	565	1222	504	28	695	1309	506

**Notes:** These estimates include only vessels fishing part of federal TACs. A vessel that fished more than one category in a week is apportioned a partial week based on catch weight. A target is determined based on vessel, week, processing mode, NMFS area, and gear. All groundfish include additional target categories.

**Source:** Catch Accounting System, fish tickets, observer data, federal permit file, CFEC vessel data (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 50: Total at-sea processor vessel crew weeks in the groundfish fisheries off Alaska by month and area, 2007 - 2011

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
Gulf of Alaska	2007	*	391	651	365	474	226	836	373	339	414	*	62	4131
	2008	84	663	715	843	116	*	1275	252	118	216	*	-	4282
	2009	*	718	138	610	405	*	1571	311	132	440	180	*	4505
	2010	67	630	237	544	265	55	1629	102	462	446	*	*	4437
	2011	498	267	112	635	251	196	1404	323	376	483	167	175	4887
Bering Sea and Aleutian Islands	2007	9426	15619	13806	4772	2017	6366	11152	11760	14342	6627	1593	755	98235
	2008	6328	14865	12884	3377	3536	3524	8946	14262	12968	9477	3990	977	95134
	2009	8129	12326	10323	4557	2686	4792	9660	13086	9789	7016	3137	1081	86582
	2010	7796	12775	10917	4412	3899	5642	10889	9459	7091	6079	3380	1326	83665
	2011	6507	13905	14206	8407	3882	7895	13796	12261	12658	14698	5131	2105	115451
All Alaska	2007	9426	16010	14457	5137	2491	6592	11988	12133	14681	7041	1593	817	102366
	2008	6412	15528	13599	4220	3652	3524	10221	14514	13086	9693	3990	977	99416
	2009	8129	13044	10461	5167	3091	4792	11231	13397	9921	7456	3317	1081	91087
	2010	7863	13405	11154	4956	4164	5697	12518	9561	7553	6525	3380	1326	88102
	2011	7005	14172	14318	9042	4133	8091	15200	12584	13034	15181	5298	2280	120338

**Notes:** Crew weeks are calculated by summing weekly reported crew size over vessels and time period. These estimates include only vessels targeting groundfish counted toward federal TACs. Catcher processors accounted for the following proportions of the total crew weeks in all areas: 2007 - 90%, 2008 - 91%, 2009 - 91%, 2010 - 93%, 2011 - ?%.

**Source:** Weekly Processor Reports (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.