**Fishery Management Report No. 17-25**

# Overview of the 2016 Southeast Alaska and Yakutat Commercial, Personal Use, and Subsistence Salmon Fisheries

**by**

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**and**

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**Alaska Department of Fish and Game** **Divisions of Sport Fish and Commercial Fisheries**

## Symbols and Abbreviations

The following symbols and abbreviations, and others approved for the Système International d'Unités (SI), are used without definition in the following reports by the Divisions of Sport Fish and of Commercial Fisheries: Fishery Manuscripts, Fishery Data Series Reports, Fishery Management Reports, and Special Publications. All others, including deviations from definitions listed below, are noted in the text at first mention, as well as in the titles or footnotes of tables, and in figure or figure captions.

**Weights and measures (metric)**

| | |
|---|---|
| centimeter | cm |
| deciliter | dL |
| gram | g |
| hectare | ha |
| kilogram | kg |
| kilometer | km |
| liter | L |
| meter | m |
| milliliter | mL |
| millimeter | mm |

**Weights and measures (English)**

| | |
|---|---|
| cubic feet per second | $ft^3/s$ |
| foot | ft |
| gallon | gal |
| inch | in |
| mile | mi |
| nautical mile | nmi |
| ounce | oz |
| pound | lb |
| quart | qt |
| yard | yd |

**Time and temperature**

| | |
|---|---|
| day | d |
| degrees Celsius | °C |
| degrees Fahrenheit | °F |
| degrees kelvin | K |
| hour | h |
| minute | min |
| second | s |

**Physics and chemistry**

| | |
|---|---|
| all atomic symbols | |
| alternating current | AC |
| ampere | A |
| calorie | cal |
| direct current | DC |
| hertz | Hz |
| horsepower | hp |
| hydrogen ion activity (negative log of) | pH |
| parts per million | ppm |
| parts per thousand | ppt, ‰ |
| volts | V |
| watts | W |

**General**

| | |
|---|---|
| Alaska Administrative Code | AAC |
| all commonly accepted abbreviations | e.g., Mr., Mrs., AM, PM, etc. |
| all commonly accepted professional titles | e.g., Dr., Ph.D., R.N., etc. |
| at | @ |
| compass directions: | |
| east | E |
| north | N |
| south | S |
| west | W |
| copyright | © |
| corporate suffixes: | |
| Company | Co. |
| Corporation | Corp. |
| Incorporated | Inc. |
| Limited | Ltd. |
| District of Columbia | D.C. |
| et alii (and others) | et al. |
| et cetera (and so forth) | etc. |
| exempli gratia (for example) | e.g. |
| Federal Information Code | FIC |
| id est (that is) | i.e. |
| latitude or longitude | lat or long |
| monetary symbols (U.S.) | $, ¢ |
| months (tables and figures): first three letters | Jan,...,Dec |
| registered trademark | ® |
| trademark | ™ |
| United States (adjective) | U.S. |
| United States of America (noun) | USA |
| U.S.C. | United States Code |
| U.S. state | use two-letter abbreviations (e.g., AK, WA) |

**Mathematics, statistics**

| | |
|---|---|
| *all standard mathematical signs, symbols and abbreviations* | |
| alternate hypothesis | $H_A$ |
| base of natural logarithm | *e* |
| catch per unit effort | CPUE |
| coefficient of variation | CV |
| common test statistics | (F, t, $\chi^2$, etc.) |
| confidence interval | CI |
| correlation coefficient (multiple) | R |
| correlation coefficient (simple) | r |
| covariance | cov |
| degree (angular ) | ° |
| degrees of freedom | df |
| expected value | *E* |
| greater than | > |
| greater than or equal to | ≥ |
| harvest per unit effort | HPUE |
| less than | < |
| less than or equal to | ≤ |
| logarithm (natural) | ln |
| logarithm (base 10) | log |
| logarithm (specify base) | $\log_2$, etc. |
| minute (angular) | ' |
| not significant | NS |
| null hypothesis | $H_O$ |
| percent | % |
| probability | P |
| probability of a type I error (rejection of the null hypothesis when true) | α |
| probability of a type II error (acceptance of the null hypothesis when false) | β |
| second (angular) | " |
| standard deviation | SD |
| standard error | SE |
| variance | |
| population | Var |
| sample | var |

*FISHERY MANAGEMENT REPORT NO. 17-25*

# OVERVIEW OF THE 2016 SOUTHEAST ALASKA AND YAKUTAT COMMERCIAL, PERSONAL USE, AND SUBSISTENCE SALMON FISHERIES

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The Fishery Management Reports series was established in 1989 by the Division of Sport Fish for the publication of an overview of management activities and goals in a specific geographic area, and became a joint divisional series in 2004 with the Division of Commercial Fisheries. Fishery Management Reports are intended for fishery and other technical professionals, as well as lay persons. Fishery Management Reports are available through the Alaska State Library and on the Internet: http://www.adfg.alaska.gov/sf/publications/. This publication has undergone regional peer review.

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# ABSTRACT

Southeast Alaska and Yakutat commercial, personal use, and subsistence salmon fisheries are summarized for the 2016 season. Historical harvests are provided for comparison. Total commercial harvest in 2016 was 31.7 million salmon with an initial estimated exvessel value of $121 million. Harvest by species in 2016 included 337,000 Chinook (*Oncorhynchus tshawytscha*), 1.5 million sockeye (*O. nerka*), 2.3 million coho (*O. kisutch*), 18.4 million pink (*O. gorbuscha*), and 9.1 million chum salmon (*O. keta*). In the purse seine fishery, 264 permit holders harvested 19.4 million salmon, including 15.4 million pink and 3.1 million chum salmon. In the drift gillnet fishery, 426 permit holders harvested 4.7 million salmon, including 2.7 million chum, 1.2 million pink, 622,000 sockeye, 264,000 coho, and 21,000 Chinook salmon. In the troll fishery, 742 power troll and 264 hand troll permit holders (1,006 total fishermen) harvested 276,000 Chinook, 1.4 million coho, and 165,000 chum salmon. In the set gillnet fishery, 114 permit holders harvested 93,000 sockeye and 144,000 coho salmon. Hatchery organizations harvested a total of 3.5 million salmon for cost recovery, including 2.7 million chum salmon. In the 2016 personal use and subsistence fisheries, 3,038 household permits were issued in Southeast Alaska and Yakutat combined. Harvest reporting for 2016 is incomplete, and reported harvest for 2015 with 84% of permits returned is about 39,000 salmon.

Key words: Southeast Alaska, Yakutat, 2016 season, commercial fisheries, personal use fisheries, subsistence fisheries, Chinook (*Oncorhynchus tshawytscha*), sockeye (*Oncorhynchus nerka*), coho (*Oncorhynchus kisutch*), pink (*Oncorhynchus gorbuscha*), chum (*Oncorhynchus keta*), salmon, exvessel value, permit holders, hatchery, purse seine, drift gillnet, power troll, hand troll, set gillnet

# INTRODUCTION

This report is an overview of the commercial and subsistence/personal use salmon fisheries in the Southeast Alaska/Yakutat Region (Region I) for the 2016 season. Separate annual management reports will be issued which will provide more detailed summaries of the 2016 Southeast Alaska and Yakutat salmon troll fishery, the 2016 Yakutat Area commercial set gillnet fishery, and the 2016 Southeast Alaska purse seine and drift gillnet fisheries.

In the Southeast Alaska/Yakutat Region, 31.7 million salmon were commercially harvested in 2016 (Table 1). A total of 1,810 permit holders participated in the common property commercial salmon season in 2016, 3.2% less than in 2015 (Table 2). Salmon harvests by gear type for 2016 included 19.4 million by purse seine, 4.7 million by drift gillnet, 0.3 million by set gillnet, and 1.9 million by hand and power troll (Table 3). Additional commercial harvests included 3.5 million salmon for private nonprofit hatchery cost recovery and 1.9 million salmon within the Annette Island Reservation. The total exvessel value of the commercial salmon harvest for 2016 is estimated at $121 million dollars.

For the 2016 subsistence and personal use fisheries, 61% of the 3,038 Region I subsistence/personal use household permits have been returned at the time of this report. The reported Southeast and Yakutat subsistence/personal use harvest for 2015 is 39,000 salmon, of which 79% were sockeye (*O. nerka*) salmon.

# SOUTHEAST ALASKA/YAKUTAT REGION

Fisheries management in the State of Alaska is divided between four large geographical regions: Southeast, Central, Westward, and Arctic–Yukon–Kuskokwim. The Southeast Alaska/Yakutat Region (Region I) consists of Alaska waters between Cape Suckling on the north and Dixon Entrance on the south (Figure 1). Region I is divided into two salmon net registration areas. Registration Area A, the Southeast Alaska area, extends from Dixon Entrance to Cape Fairweather. The Southeast Alaska area is divided into 17 regulatory districts, Districts 1 through 16 and the Dixon Entrance District (Figure 2). Some Registration Area A districts are further

divided into sections by regulation. Registration Area D, the Yakutat area, extends from Cape Fairweather to Cape Suckling. The Yakutat area is further divided into the Yakutat District, extending from Cape Fairweather to Icy Cape, and the Yakataga District, extending westward from Icy Cape to Cape Suckling (Figure 3).

For management and administrative purposes, Region I is divided into six management areas with offices located in Juneau, Ketchikan/Craig, Petersburg/Wrangell, Sitka, Haines, and Yakutat. The Craig office is seasonally staffed and other offices are open all year.

# FISHERIES MANAGEMENT ORGANIZATION

Management of Region I salmon fisheries is provided by area management biologists and regional management biologists and their staff. There are six area management biologists in Region I, corresponding with each area office. Management biologists with area responsibilities oversee the commercial salmon net (purse seine, drift gillnet, and set gillnet), herring, shrimp (pot gear), and the subsistence/personal use fisheries in their respective areas, as well as miscellaneous shellfish dive fisheries. Management biologists with regional responsibilities oversee the salmon troll, groundfish, crab, and shrimp beam trawl fisheries. There is a closely coordinated regional management approach for every fishery because of the size of the region and the spatial and temporal movement of fish and fishermen between the various management areas. Prior to each salmon season, the Alaska Department of Fish and Game (ADF&G) publishes detailed management plans that specify how that season's fishery will be managed and contain information about expected returns. Specific management actions are taken inseason which specify times and areas of fishery openings or additional measures. These actions are implemented through emergency orders under authority delegated by the department commissioner to regional and area management biologists. Details of openings are announced in widely distributed department-issued news releases. All landings of commercially harvested salmon are reported to the department on fish tickets by the initial buyers. Subsistence and personal use fisheries are managed under permit authority. Permits are issued separately for each management area and harvests are reported when permits are returned at the end of the season.

# FISHERY CHARACTERISTICS

Salmon are commercially harvested in Southeast Alaska (Registration Area A) with purse seines and drift gillnets, in Yakutat (Registration Area D) with set gillnets, and in both areas with hand troll and power troll gear. The salmon net fisheries are confined to state waters. The troll fishery operates in both state waters and in the federal waters of the Exclusive Economic Zone. The use of floating fish traps is only allowed within the Annette Island Fishery Reserve, established by Presidential Proclamation in 1916; however, there have been no reported fish trap harvests since 1993.

Region I salmon fisheries are complex due to the mixed stock and mixed species nature of the returns and to the utilization of returns by several different gear groups that often harvest the same stocks of fish. Because the region contains approximately 5,500 salmon-producing streams and tributaries of various productivity levels, it is impractical to apply stock-specific fisheries management for most stocks. Additionally, some salmon harvested in the region originate from other states (primarily Washington and Oregon) and Canada. Net and troll fisheries in Southeast Alaska and Yakutat are managed for sustained yield and allocated among users according to

Alaska Board of Fisheries regulations and harvest-sharing provisions of the Pacific Salmon Treaty between the United States and Canada.

# 2016 HISTORICAL COMPARISON

Commercial utilization of the Southeast Alaska region salmon resources began in the late 1870s (Figure 4). Until the early 1900s, sockeye salmon was the primary species harvested (Figure 5). Pink salmon (*O. gorbuscha*) began to dominate the harvest in the early 1900s. During the past 10 years, pink salmon has made up 68% of the region's total salmon harvest (Table 1). The relative order of production (in numbers of fish) from highest to lowest is generally pink, chum (*O. keta*), coho (*O. kisutch*), sockeye, and Chinook (*O. tshawytscha*) salmon.

The harvest of salmon in Region I peaked at over 60 million in the late 1930s and early 1940s and declined to historical low levels in the 1950s and early 1960s (Figure 4). During the middle to late 1960s, harvests increased, but in the early 1970s another decline in production occurred. From the early 1980s through the mid-2000s salmon harvests in Region I increased substantially. Record harvests since statehood occurred during the 12-year period from 1993 through 2004 for Chinook (2004), sockeye (1993), coho (1994), and chum salmon (1996; Table 1). All-time record harvests going back to 1878 were set for sockeye and Chinook salmon prior to statehood, with 3.5 million sockeye salmon harvested in 1914 and 878,000 Chinook salmon harvested in 1937 (Byerly et al. 1999). The record harvest for coho salmon was 5.7 million in 1994; the record for chum salmon was 16.0 million in 1996; and the record pink salmon harvest was 94.8 million in 2013. The record regional total commercial harvest was set in 2013 at 112.4 million salmon. Within the most recent decade, harvests have fluctuated greatly. Because pink salmon are the most abundant species, downward harvest trends are in large part due to low even-year pink salmon returns that began in 2006. Odd-year harvests over the same period have been above the long-term average.

Salmon harvests since 1986, and average harvests by gear and harvest type, are presented in Table 4. The various salmon fisheries in the region are well established, and the distribution of harvests between fisheries has changed little when comparing the recent 10-year average (2006–2015) or the long-term average since 1962. The exception is that private hatchery cost-recovery harvests, which began around 1980, now account for a substantial proportion of overall harvests. Recent 10-year average harvests in percentages by gear type are as follows: 72% by purse seine, 10% by drift gillnet, 9% by hatchery organizations, 5% by troll, 3% by Annette Island, and 1% by set gillnet. In 2016, the total harvest of 31.7 million salmon ranked 30th of the past 55 years (since 1962).

The Chinook salmon harvest of 337,000 in 2016 was above both the recent and long-term averages (Table 5, Figure 5). The 2016 Chinook salmon harvest ranks 16th over the previous 55 years. Targeted Chinook salmon fisheries are composed of three components: (1) coastwide mixed stocks harvested within limits of the all-gear Pacific Salmon Treaty harvest ceiling; (2) production from Alaska Chinook salmon enhancement programs; and (3) directed fisheries on surplus returns to the Stikine and/or Taku rivers. The average total Chinook salmon harvest since 1962 has been around 300,000 fish. Chinook salmon less than 21 inches may be retained and sold in the purse seine fishery and Chinook salmon of all sizes may be sold in the drift gillnet fishery. The Pacific Salmon Treaty accounts for Large Chinook salmon, greater than or equal to 28 inches overall length, as Treaty Chinook. Preliminary harvests of coastwide Chinook salmon accountable under the Pacific Salmon Treaty included 266,000 by troll gear, 20,000 by seine

gear, 5,000 by gillnet gear, and 62,000 for sport fisheries. Total commercial harvests of Alaska hatchery origin Chinook salmon were 42,000, 12% of total Chinook salmon harvests, and 5,000 were harvested in private hatchery cost recovery fisheries (ADF&G 2017). For transboundary river stocks regulated under the Pacific Salmon Treaty, the preseason forecast for the Stikine River in 2016 provided an allowable catch (AC) of 1,100 fish for a directed fishery on returns of large Chinook (28 inches in length or greater) to the Stikine River. The directed gillnet fishery was opened one day per week for the first three weeks of May with a total drift gillnet harvest of 100 large Chinook salmon. The fishery was closed as it became apparent from both marine and inriver harvests that the run would be well under the preseason forecast.

The harvest of sockeye salmon was 1.5 million in 2016 (Table 6, Figure 5). This harvest was above both the recent 10-year average of 1.2 million and the long-term average of 1.3 million. The 2016 sockeye salmon harvest ranks 19th over the previous 55 years since 1962. The majority of sockeye salmon were harvested in the Southeast Alaska Area drift gillnet fishery. Sockeye salmon harvests in the northern boundary area and transboundary river fisheries are regulated under the Pacific Salmon Treaty to provide for conservation and harvest sharing with Canada. The drift gillnet fishery harvest of 622,000 was above the recent average of 455,000 fish and accounted for 41% of the regional total harvest. The set gillnet fishery harvest of 93,000 was below the recent average harvest of 130,000 fish. The purse seine harvest of 611,000 sockeye salmon was above recent and long-term average levels.

The 2016 coho salmon harvest was 2.3 million (Table 7, Figure 5). This harvest was more than the long-term and less than the recent averages. The 2016 coho salmon harvest ranks 22nd of the 55 years since 1962. The coho salmon harvest in the troll fishery was 1.4 million, more than the long-term and less than the recent average, and accounted for 59% of the harvest. Purse seine and drift gillnet harvests of coho salmon were also below long-term and recent averages. The set gillnet harvest of coho salmon was more than the long-term and recent averages.

The 2016 pink salmon harvest was 18.4 million, 58% of the total region salmon harvest (Table 8, Figure 5). The purse seine pink salmon harvest was 15.4 million, 84% of the total pink salmon harvest. The 2016 pink salmon harvest was below the long-term and recent averages, ranking as the 37th largest harvest since 1962. Following a sharp decline in harvest in the 2006 season, a weak even-year return pattern was established and continued in 2016.

The 2016 chum salmon harvest of 9.1 million fish ranks ninth since statehood and was below the recent average of 10.5 million (Table 9, Figure 5). Most chum salmon production in the region is attributable to hatchery production. Before hatchery chum salmon production became significant in 1984, the 1962–1983 regional average chum salmon harvest was 1.6 million.

# FISHERY PARTICIPATION

According to information from the Commercial Fisheries Entry Commission (CFEC 2017), 2,910 total limited entry permits were active (issued or eligible to be renewed) in 2016. Active permits included 315 purse seine, 473 drift gillnet, 167 set gillnet, 978 hand troll, and 962 power troll permits (Table 2). A total of 1,810 permit holders reported salmon landings in calendar year 2016, including 264 purse seine, 426 drift gillnet, 114 set gillnet, 264 hand troll, and 742 power troll permit holders.

Purse seine participation by 264 permit holders in 2016 was a decrease of 17 permits from 2015 and an increase over the recent 10-year average participation of 249 permits. The number of

purse seine permits issued was reduced in 2008 by 35 permits through a permit buyback fleet-reduction program. In 2012, an additional buyback program administered by the CFEC and the National Marine Fisheries Service further reduced the number of permits issued by 64 permits (Table 2). Participation in the purse seine fishery in 2016 was fourth highest during the most recent 10-year period. Drift gillnet participation by 426 permit holders was an increase of five permits from the 2015 level and was above the recent 10-year average of 416 permits. Set gillnet effort in 2016 by 114 permit holders was below the recent 10-year average and ranked fifth during that period. Power troll participation by 742 permit holders was equal to the recent 10-year average and hand troll effort by 264 permit holders was below the recent 10-year average of 357 permits. Overall participation levels in 2016 were 4% below the recent 10-year average.

## 2016 SALMON HARVEST

The Region I cumulative commercial salmon harvest by all harvest categories, including hatchery cost recovery, was 31.7 million fish in 2016 (Table 3). Total common property commercial harvest was 26.3 million fish, 83% of total harvest after excluding private hatchery cost recovery, Annette Island Reservation harvests, and miscellaneous harvests. Overall harvest in numbers of salmon in 2016 was 62% that of 2015. The 2016 harvests by species compared with 2015 were as follows: Chinook 96%, sockeye 99%, coho 108%, pink 52%, and chum salmon 78% (Table 1). The Region I total commercial salmon harvest proportions by species were: Chinook 1%, sockeye 5%, coho 7%, pink 58%, and chum salmon 29%. The 2016 combined-gear, large Chinook salmon harvest of 337,000 fish was 107% of the most recent 10-year average and 112% of the long-term average. The sockeye salmon harvest of 1.5 million was 129% of the recent 10-year average and 112% of the long-term average. The coho salmon harvest of 2.3 million fish was 90% of the 10-year average and 108% of the long-term average. The pink salmon harvest of 18.4 million was 48% of the 10-year average and 59% of the long-term average. The chum salmon harvest of 9.1 million was 87% of the 10-year average and 155% of the long-term average (Table 1). The all species total harvest was 60% of the recent 10-year average harvest and 77% of the long-term average harvest.

## HARVEST BY GEAR TYPE

The 2016 Region I salmon harvest by gear type or harvest category and species are summarized in Table 3. Historical harvests showing percentages of harvest by gear are summarized in Table 4. Salmon landed by purse seine gear accounted for 61% of the total salmon harvest, followed by drift gillnet (15%), hatchery cost recovery (11%), troll (6%), and Annette Island (6%) fisheries. Combined hand and power troll harvests accounted for 82% of regional Chinook salmon harvest and 59% of coho salmon harvest (Tables 5 and 7). Of the total harvest, purse seiners harvested 41% of sockeye, 84% of pink, and 34% of chum salmon in the region (Tables 6, 8, and 9). Drift gillnetters accounted for 6% of Chinook, 41% of sockeye, 11% of coho, and 29% of chum salmon harvest. Set gillnetters harvested 6% of sockeye and 6% of coho salmon. Approximately 3% of Chinook, 10% of sockeye, 10% of coho, and 30% of chum salmon harvest was taken in hatchery cost-recovery fisheries.

Total Chinook salmon harvests of 337,000 included 276,000 by troll, 28,000 by purse seine, 21,000 by drift gillnet, 9,000 in hatchery cost recovery, 1,700 by Annette Island Reservation, and 300 by Yakutat set gillnet fisheries. Sockeye salmon harvests of 1.5 million included 622,000 by drift gillnet, 611,000 by purse seine, 148,000 by hatchery cost-recovery, and 93,000 by set gillnet fisheries. Coho salmon harvests of 2.3 million included 1.4 million by troll, 264,000 by drift

gillnet, 257,000 by purse seine, 231,000 in hatchery cost recovery, and 144,000 by set gillnet fisheries. Pink salmon harvests of 18.4 million included 15.4 million by purse seine, 1.4 million by Annette Island Reservation, and 1.2 million in drift gillnet fisheries. Chum salmon harvests of 9.1 million included 3.1 million by purse seine, 2.7 million by drift gillnet, 2.7 million in cost recovery, 396,000 by Annette Island Reservation, and 165,000 by troll fisheries.

# EXVESSEL VALUE

The initial reported value of the 2016 Region I commercial salmon harvest based on fish ticket data for all fisheries is $121 million (Table 10). The total 2016 salmon harvest in numbers of fish was 62% of the 2015 harvest. The 2016 commercial harvest of 174 million pounds was 70% of the 2015 commercial harvest of 248 million pounds. In 2016, chum salmon accounted for 42% of the total weight of salmon harvested, compared with 38% in 2015. In 2016, pink salmon made up 42% of the total weight of salmon harvested, compared with 51% in 2015. Average weights by species were similar (within 5%) in 2016 compared with 2015 for sockeye and chum, decreased for Chinook (9%), and increased for coho (8%) and pink (9%) salmon. 2016 prices, as initially reported on fish tickets, compared to 2015 prices from CFEC data increased for Chinook from $4.19/lb to $5.46/lb, for sockeye salmon from $1.19/lb to $1.36/lb, for coho salmon from $0.94/lb to $1.25/lb, for pink salmon from $0.21/lb to $0.23/lb, and for chum salmon from $0.55/lb to $0.72/lb. Following year-end annual commercial operator's reports and further analysis by the CFEC, the estimated wholesale value of the 2016 fishery is expected to increase.

The preliminary reported exvessel value of the 2016 Region I commercial salmon harvest for purse seine, gillnet, and troll fisheries combined based on fish ticket data is $92.8 million (Table 11). The 2016 season exvessel value for these salmon fisheries is 72% of the recent 10-year average of $129.0 million and ranks 17th highest over the 42-year period since 1975. Common property fishery exvessel value estimates for 2016 exclude Annette Island Reservation, hatchery cost recovery, and miscellaneous harvests.

The 2016 exvessel value by gear was highest for the purse seine fishery ($36.5 million), followed by troll ($32.2 million), hatchery cost recovery ($23.5 million), drift gillnet ($22.2 million), Annette Island ($4.0 million), and set gillnet ($2.0 million) fisheries (Table 10). Comparing the conservative, preliminary value for 2016 to reported CFEC fishery values by fishery since 1975, 2016 would rank as the 26th highest value for purse seine, eighth highest for drift gillnet, seventh highest for troll, and 27th highest for the Yakutat set gillnet fishery. The regional value breakdown by species included $19.5 million for Chinook, $10.5 million for sockeye, $18.2 million for coho, $14.9 million for pink, and $29.7 million for chum salmon.

# SUBSISTENCE AND PERSONAL USE SALMON FISHERIES

Reporting of harvest information for subsistence and personal use fisheries for the Southeast Alaska and Yakutat areas remains incomplete for 2016, with 23% of Yakutat permits returned and 63% of Southeast Alaska permits returned at the time of reporting. For 2015, the combined harvest for these areas is 39,000 salmon, less than the most recent 10-year average of 47,000 salmon. Sockeye salmon accounted for 84% of this reported harvest.

A total of 2,911 subsistence and/or personal use salmon permits were issued in Southeast Alaska in 2016 (Table 12). One permit is issued per household. The number of permits issued included 565 Haines Management Area subsistence permits and 2,346 combined subsistence/personal use permits for the remainder of Southeast Alaska. Combined subsistence/personal use fishery

permits issued in each management area included 820 in Juneau, 591 in Ketchikan, 557 in Sitka, 271 in Petersburg, and 107 in Wrangell. With 63% of permits returned at the time of this report, the initial reported 2016 harvest is 33,600 salmon (Table 12). Harvests by area are more completely reported for 2015, with 84% of permits returned, and include 8,800 fish in the Haines subsistence fishery and 24,800 fish in the subsistence/personal use combined fisheries. Number of fish harvested in subsistence/personal use fisheries for 2015, by management area, were 6,300 in Juneau, 8,300 in Ketchikan, 6,700 in Sitka, 2,700 in Petersburg, and 800 in Wrangell. As is typical, sockeye salmon made up 80% of the regional harvest (Figure 7). The harvest numbers are not finalized until the following year, when most permits have been returned.

During 2016, a total of 127 subsistence permits were issued for the Yakutat area, Registration Area D (Table 13). Yakutat subsistence permits are not required to be returned until the spring of the following year, and only 23% of the 2016 permits have been returned and entered at this time. Reported harvests in 2015 were 5,500 salmon, including 4,100 sockeye and 900 coho, with 94% of the permits returned. In 2015, sockeye salmon harvest made up 74% of the total subsistence harvest and coho salmon harvest accounted for 17% (Table 13, Figure 8). The recent 10-year average harvests include 4,100 sockeye and 800 coho salmon.

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# TABLES AND FIGURES

Table 1.–Southeast Alaska annual total commercial salmon harvest in numbers and percentages of the total by species, from 1986 to 2016.

| Year | Chinook[a] | % | Jacks[b] | % | Sockeye | % | Coho | % | Pink | % | Chum | % | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1986 | 262,432 | <1% | 1,158 | <1% | 1,442,986 | 3% | 3,404,602 | 6% | 46,172,277 | 84% | 3,358,992 | 6% | 54,642,447 |
| 1987 | 261,396 | 2% | 1,792 | <1% | 1,377,717 | 9% | 1,543,348 | 10% | 10,280,422 | 64% | 2,721,661 | 17% | 16,186,336 |
| 1988 | 263,847 | 2% | 1,034 | <1% | 1,460,417 | 8% | 1,046,668 | 6% | 11,207,162 | 64% | 3,535,591 | 20% | 17,514,719 |
| 1989 | 280,964 | <1% | 4,092 | <1% | 2,124,840 | 3% | 2,204,044 | 3% | 59,460,203 | 90% | 1,968,894 | 3% | 66,043,037 |
| 1990 | 342,379 | 1% | 3,776 | <1% | 2,155,716 | 5% | 2,868,217 | 7% | 32,342,002 | 81% | 2,217,895 | 6% | 39,929,985 |
| 1991 | 325,602 | <1% | 5,575 | <1% | 2,063,586 | 3% | 3,197,003 | 5% | 61,926,339 | 87% | 3,336,043 | 5% | 70,854,148 |
| 1992 | 233,924 | 1% | 2,363 | <1% | 2,666,422 | 6% | 3,696,209 | 8% | 34,963,298 | 75% | 4,936,515 | 11% | 46,498,731 |
| 1993 | 280,849 | <1% | 3,962 | <1% | 3,190,960 | 4% | 3,665,435 | 5% | 57,299,350 | 79% | 7,879,868 | 11% | 72,320,424 |
| 1994 | 241,100 | <1% | 6,336 | <1% | 2,392,489 | 3% | 5,721,700 | 8% | 57,274,877 | 75% | 10,403,085 | 14% | 76,039,587 |
| 1995 | 218,451 | <1% | 1,978 | <1% | 1,795,331 | 3% | 3,345,678 | 5% | 47,965,506 | 74% | 11,225,693 | 17% | 64,552,637 |
| 1996 | 213,640 | <1% | 947 | <1% | 2,799,848 | 3% | 3,156,951 | 4% | 64,629,714 | 74% | 16,043,397 | 18% | 86,844,497 |
| 1997 | 303,898 | 1% | 558 | <1% | 2,477,394 | 5% | 1,974,427 | 4% | 28,975,224 | 64% | 11,789,139 | 26% | 45,520,640 |
| 1998 | 232,906 | <1% | 1,705 | <1% | 1,375,358 | 2% | 2,989,080 | 5% | 42,535,402 | 68% | 15,695,285 | 25% | 62,829,736 |
| 1999 | 195,048 | <1% | 3,047 | <1% | 1,160,730 | 1% | 3,630,234 | 4% | 77,848,284 | 80% | 14,930,932 | 15% | 97,768,275 |
| 2000 | 232,546 | 1% | 1,349 | <1% | 1,229,390 | 3% | 1,957,028 | 5% | 20,313,426 | 51% | 15,910,909 | 40% | 39,644,648 |
| 2001 | 243,225 | <1% | 2,585 | <1% | 2,035,230 | 3% | 3,300,932 | 4% | 67,055,991 | 82% | 8,754,416 | 11% | 81,392,379 |
| 2002 | 386,384 | 1% | 1,583 | <1% | 806,447 | 1% | 3,242,516 | 6% | 45,331,007 | 79% | 7,455,007 | 13% | 57,222,944 |
| 2003 | 416,684 | 1% | 1,188 | <1% | 1,525,356 | 2% | 2,498,375 | 4% | 52,515,632 | 77% | 11,115,085 | 16% | 68,072,320 |
| 2004 | 483,330 | 1% | 697 | <1% | 2,037,745 | 3% | 3,084,663 | 5% | 45,333,012 | 73% | 11,371,623 | 18% | 62,311,070 |
| 2005 | 447,264 | 1% | 728 | <1% | 1,607,835 | 2% | 3,002,784 | 4% | 59,182,242 | 84% | 6,427,530 | 9% | 70,668,383 |
| 2006 | 370,366 | 1% | 1,275 | <1% | 1,333,496 | 5% | 2,091,875 | 7% | 11,695,411 | 40% | 13,555,280 | 47% | 29,047,703 |
| 2007 | 357,900 | 1% | 1,328 | <1% | 1,904,802 | 3% | 2,062,643 | 4% | 44,884,740 | 77% | 9,417,807 | 16% | 58,629,220 |
| 2008 | 245,738 | 1% | 533 | <1% | 436,302 | 2% | 2,381,473 | 8% | 15,974,351 | 57% | 9,053,088 | 32% | 28,091,485 |
| 2009 | 267,657 | 1% | 976 | <1% | 925,749 | 2% | 2,635,482 | 5% | 38,101,430 | 74% | 9,660,363 | 19% | 51,591,657 |
| 2010 | 260,253 | 1% | 1,205 | <1% | 717,615 | 2% | 2,580,769 | 7% | 24,208,458 | 65% | 9,474,558 | 25% | 37,242,858 |
| 2011 | 343,928 | <1% | 2,517 | <1% | 1,242,445 | 2% | 2,311,332 | 3% | 59,088,287 | 80% | 10,730,140 | 15% | 73,718,649 |
| 2012 | 279,177 | 1% | 796 | <1% | 947,219 | 3% | 2,086,721 | 6% | 21,304,390 | 58% | 12,374,853 | 33% | 36,993,156 |
| 2013 | 240,308 | <1% | 1,881 | <1% | 974,665 | 1% | 3,877,145 | 3% | 94,786,940 | 84% | 12,573,032 | 11% | 112,453,971 |
| 2014 | 427,226 | 1% | 1,105 | <1% | 1,669,932 | 3% | 3,789,619 | 8% | 37,193,746 | 75% | 6,679,647 | 13% | 49,761,275 |
| 2015 | 350,189 | 1% | 611 | <1% | 1,528,774 | 3% | 2,163,943 | 4% | 35,161,426 | 69% | 11,627,334 | 23% | 50,832,277 |
| 2016 | 336,572 | 1% | 229 | <1% | 1,506,042 | 5% | 2,331,267 | 7% | 18,400,372 | 58% | 9,117,600 | 29% | 31,692,082 |
| **Averages** | | | | | | | | | | | | | |
| 1962–2015 | 301,517 | 1% | - | - | 1,341,617 | 4% | 2,161,773 | 6% | 31,286,120 | 74% | 5,897,463 | 15% | 40,989,580 |
| 2006–2015 | 314,274 | 1% | 1,223 | <1% | 1,168,100 | 3% | 2,598,100 | 6% | 38,239,918 | 68% | 10,514,610 | 23% | 52,836,225 |
| **Harvest** | | | | | | | | | | | | | |
| Max. and year | 483,330 | 2004 | 6,336 | 1994 | 3,190,960 | 1993 | 5,721,700 | 1994 | 94,786,940 | 2013 | 16,043,397 | 1996 | 112,453,971 |
| Min. and year | 195,048 | 1999 | 166 | 1983 | 244,855 | 1975 | 427,457 | 1975 | 3,109,343 | 1967 | 560,595 | 1969 | 5,691,033 |

[a] Annual Chinook salmon harvest is reported by troll season, October 1 –September 30, since 1979 when the regulatory season was implemented.

[b] Jack Chinook are ≤28 inches. Chinook salmon of <21 inches may be retained and sold in the purse seine fishery, and Chinook of all sizes may be sold in the drift gillnet fishery. Jack fish ticket data were revised in 2012, for the years 2005–2012, to provide more accurate accounting of gillnet harvested Chinook salmon for Pacific Salmon Treaty accounting purposes. Chinook salmon in the drift gillnet fishery will be based on recording of all sizes as one category on fish tickets, and separate accounting of jacks will be based on port sampling data.

Table 2.–Number of active limited entry and interim use permits issued and fished in the Southeast Alaska and Yakutat salmon fisheries, from 1975 to 2016.

| | Number of Permits | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Purse Seine | | Drift Gillnet | | Set Gillnet | | Hand Troll | | Power Troll | | Total | |
| Year | Issued | Fished | Issued | Fished | Issued | Fished | Issued | Fished | Issued | Fished | Issued | Fished |
| 1975 | 477 | 287 | 511 | 443 | 215 | 141 | 2,088 | 1,092 | 1,079 | 762 | 4,370 | 2,725 |
| 1976 | 418 | 280 | 487 | 432 | 159 | 133 | 2,082 | 1,238 | 998 | 745 | 4,144 | 2,828 |
| 1977 | 414 | 325 | 474 | 438 | 159 | 144 | 2,953 | 1,836 | 970 | 750 | 4,970 | 3,493 |
| 1978 | 420 | 376 | 491 | 474 | 164 | 155 | 3,923 | 2,624 | 976 | 816 | 5,974 | 4,445 |
| 1979 | 418 | 319 | 491 | 449 | 167 | 155 | 3,702 | 2,207 | 980 | 819 | 5,758 | 3,949 |
| 1980 | 418 | 335 | 489 | 445 | 167 | 159 | 2,436 | 1,667 | 974 | 842 | 4,484 | 3,448 |
| 1981 | 418 | 364 | 487 | 447 | 167 | 158 | 2,048 | 1,153 | 970 | 793 | 4,090 | 2,915 |
| 1982 | 421 | 370 | 487 | 431 | 164 | 147 | 1,914 | 1,067 | 968 | 810 | 3,954 | 2,825 |
| 1983 | 421 | 338 | 481 | 432 | 165 | 145 | 2,150 | 946 | 968 | 810 | 4,185 | 2,671 |
| 1984 | 423 | 383 | 481 | 437 | 164 | 140 | 2,147 | 860 | 963 | 795 | 4,178 | 2,615 |
| 1985 | 420 | 368 | 485 | 446 | 164 | 148 | 2,030 | 903 | 963 | 830 | 4,062 | 2,695 |
| 1986 | 420 | 368 | 488 | 460 | 164 | 154 | 1,983 | 804 | 957 | 827 | 4,012 | 2,613 |
| 1987 | 420 | 381 | 486 | 465 | 165 | 154 | 1,937 | 763 | 957 | 828 | 3,965 | 2,591 |
| 1988 | 420 | 394 | 485 | 470 | 165 | 159 | 1,870 | 777 | 956 | 828 | 3,896 | 2,628 |
| 1989 | 420 | 365 | 485 | 466 | 166 | 160 | 1,817 | 694 | 955 | 830 | 3,843 | 2,515 |
| 1990 | 420 | 360 | 486 | 465 | 166 | 158 | 1,782 | 699 | 956 | 839 | 3,810 | 2,521 |
| 1991 | 420 | 383 | 485 | 465 | 168 | 161 | 1,741 | 700 | 959 | 847 | 3,773 | 2,556 |
| 1992 | 420 | 354 | 485 | 467 | 170 | 159 | 1,689 | 645 | 957 | 837 | 3,721 | 2,462 |
| 1993 | 419 | 382 | 482 | 460 | 171 | 157 | 1,633 | 600 | 956 | 836 | 3,661 | 2,435 |
| 1994 | 418 | 390 | 483 | 446 | 171 | 150 | 1,579 | 547 | 954 | 804 | 3,605 | 2,337 |
| 1995 | 418 | 373 | 483 | 452 | 171 | 147 | 1,540 | 460 | 954 | 818 | 3,566 | 2,250 |
| 1996 | 417 | 357 | 484 | 439 | 171 | 139 | 1,501 | 412 | 967 | 737 | 3,540 | 2,084 |
| 1997 | 416 | 351 | 482 | 423 | 170 | 141 | 1,459 | 387 | 968 | 740 | 3,495 | 2,042 |
| 1998 | 416 | 377 | 479 | 422 | 170 | 142 | 1,409 | 304 | 967 | 732 | 3,441 | 1,977 |
| 1999 | 416 | 359 | 481 | 430 | 170 | 128 | 1,370 | 338 | 965 | 721 | 3,402 | 1,976 |
| 2000 | 416 | 356 | 480 | 422 | 170 | 125 | 1,329 | 315 | 963 | 712 | 3,358 | 1,930 |
| 2001 | 415 | 345 | 482 | 433 | 169 | 114 | 1,295 | 307 | 965 | 701 | 3,326 | 1,900 |
| 2002 | 415 | 273 | 482 | 391 | 167 | 87 | 1,247 | 253 | 965 | 666 | 3,276 | 1,670 |
| 2003 | 416 | 235 | 477 | 375 | 167 | 104 | 1,189 | 265 | 965 | 637 | 3,214 | 1,616 |
| 2004 | 414 | 209 | 478 | 348 | 168 | 112 | 1,139 | 324 | 961 | 688 | 3,160 | 1,681 |
| 2005 | 415 | 232 | 478 | 368 | 168 | 114 | 1,108 | 353 | 961 | 715 | 3,130 | 1,782 |
| 2006 | 414 | 230 | 477 | 358 | 167 | 104 | 1,104 | 371 | 961 | 737 | 3,123 | 1,800 |
| 2007 | 415 | 237 | 476 | 387 | 166 | 120 | 1,083 | 375 | 961 | 740 | 3,101 | 1,859 |
| 2008 | 380 | 212 | 475 | 392 | 165 | 128 | 1,065 | 375 | 961 | 745 | 3,046 | 1,852 |
| 2009 | 379 | 256 | 474 | 406 | 167 | 122 | 1,055 | 364 | 961 | 745 | 3,036 | 1,893 |
| 2010 | 379 | 235 | 474 | 422 | 167 | 127 | 1,044 | 339 | 962 | 729 | 3,026 | 1,852 |
| 2011 | 379 | 269 | 474 | 442 | 167 | 121 | 1,037 | 372 | 962 | 760 | 3,019 | 1,965 |
| 2012 | 315 | 235 | 474 | 445 | 168 | 113 | 1,019 | 353 | 961 | 743 | 2,937 | 1,889 |
| 2013 | 315 | 277 | 473 | 451 | 168 | 106 | 1,002 | 362 | 961 | 722 | 2,919 | 1,918 |
| 2014 | 315 | 260 | 473 | 431 | 168 | 117 | 992 | 346 | 962 | 756 | 2,910 | 1,910 |
| 2015 | 315 | 281 | 473 | 421 | 167 | 112 | 978 | 316 | 962 | 740 | 2,895 | 1,870 |
| 2016 | 315 | 264 | 473 | 426 | 167 | 114 | 978 | 264 | 962 | 742 | 2,895 | 1,810 |
| Averages | | | | | | | | | | | | |
| 1975 –2015 | 405 | 319 | 482 | 432 | 168 | 136 | 1,670 | 710 | 967 | 769 | 3,692 | 2,366 |
| 2006 –2015 | 361 | 249 | 474 | 416 | 167 | 117 | 1,038 | 357 | 961 | 742 | 3,001 | 1,881 |

*Notes:* Data is provided beginning in the year salmon limited entry permits were first issued; this is 1975 for seine, drift gillnet, set gillnet, and power troll. Permits for hand troll were first issued in 1982. Permits issued and fished data from Commercial Fisheries Entry Commission (www.cfec.state.ak.us).

Data for 2016 are preliminary.

Table 3.–Southeast Alaska region commercial salmon harvest, in numbers, by harvest type and fishery, 2016.

| FISHERY | Chinook[a] | Jacks[b] | Sockeye | Coho | Pink | Chum | TOTAL |
|---|---|---|---|---|---|---|---|
| **Total Purse Seine** | 27,368 | 195 | 610,598 | 257,084 | 15,393,318 | 3,109,269 | 19,397,832 |
| Southern Purse Seine Total[c] | 25,727 | 166 | 597,133 | 245,928 | 13,827,782 | 2,081,520 | 16,778,256 |
| Southern Seine Traditional | 19,614 | 133 | 594,392 | 241,445 | 13,722,453 | 1,698,342 | 16,276,379 |
| Southern Seine Hatchery Terminal | 6,113 | 33 | 2,741 | 4,483 | 105,329 | 383,178 | 501,877 |
| Northern Purse Seine Total[d] | 1,641 | 29 | 13,465 | 11,156 | 1,565,536 | 1,027,749 | 2,619,576 |
| Northern Seine Traditional | 92 | 10 | 9,106 | 6,774 | 1,499,190 | 149,082 | 1,664,254 |
| Northern Seine Hatchery Terminal | 1,549 | 19 | 4,359 | 4,382 | 66,346 | 878,667 | 955,322 |
| **Total Drift Gillnet** | 20,701 | 0 | 622,390 | 263,968 | 1,152,890 | 2,679,235 | 4,739,184 |
| Tree Point | 1,191 | 0 | 39,912 | 46,393 | 561,021 | 273,608 | 922,125 |
| Prince of Wales | 2,094 | 0 | 106,649 | 122,101 | 358,309 | 130,236 | 719,389 |
| Stikine | 10,024 | 0 | 70,143 | 22,146 | 35,250 | 200,653 | 338,216 |
| Taku-Snettisham | 582 | 0 | 148,317 | 34,445 | 44,668 | 447,616 | 675,628 |
| Lynn Canal | 448 | 0 | 176,631 | 30,488 | 66,257 | 692,938 | 966,762 |
| Drift Gillnet Hatchery Terminal | 6,362 | 0 | 80,738 | 8,395 | 87,385 | 934,184 | 1,117,064 |
| **Set Gillnet** | 343 | 0 | 93,052 | 144,032 | 21,778 | 554 | 259,759 |
| **Total Troll** | 276,417 | 5 | 6,691 | 1,386,103 | 53,359 | 164,932 | 1,887,507 |
| Hand Troll Total | 10,413 | 0 | 291 | 53,698 | 6,775 | 2,240 | 73,417 |
| Hand Troll Traditional | 6,865 | 0 | 273 | 53,540 | 6,746 | 1,253 | 68,677 |
| Hand Troll Hatchery Terminal | 81 | 0 | 13 | 19 | 7 | 884 | 1,004 |
| Hand Troll Spring Fishery | 3,467 | 0 | 5 | 139 | 22 | 103 | 3,736 |
| Power Troll Total | 266,004 | 5 | 6,400 | 1,332,405 | 46,584 | 162,692 | 1,814,090 |
| Power Troll Traditional | 226,755 | 5 | 6,181 | 1,327,436 | 37,829 | 60,731 | 1,658,937 |
| Power Troll Hatchery Terminal | 243 | 0 | 37 | 1,372 | 8,281 | 94,613 | 104,546 |
| Power Troll Spring Fishery | 39,006 | 0 | 182 | 3,597 | 474 | 7,348 | 50,607 |
| **Total Annette Island Reservation** | 1,731 | 0 | 22,185 | 45,823 | 1,418,243 | 395,716 | 1,883,698 |
| Annette Island Purse Seine | 876 | 0 | 18,387 | 10,142 | 1,145,221 | 152,374 | 1,327,000 |
| Annette Island Drift Gillnet | 855 | 0 | 3,798 | 35,677 | 273,022 | 243,342 | 556,694 |
| Total Annette Island Troll | 0 | 0 | 0 | 4 | 0 | 0 | 4 |
| Annette Island Hand Troll | 0 | 0 | 0 | 4 | 0 | 0 | 4 |
| Annette Island Power Troll | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hatchery Cost-Recovery | 9,107 | 29 | 148,032 | 231,478 | 330,519 | 2,731,469 | 3,450,634 |
| Miscellaneous[e] | 905 | 0 | 3,094 | 2,779 | 30,265 | 36,425 | 73,468 |
| Southern SE Totals[f] | 109,682 | 167 | 838,976 | 885,341 | 16,274,323 | 4,071,862 | 22,180,351 |
| Northern SE Totals[g] | 220,516 | 62 | 573,999 | 1,273,903 | 2,104,252 | 5,045,120 | 9,217,852 |
| Yakutat Area Totals[h] | 6,374 | 0 | 93,067 | 172,023 | 21,797 | 618 | 293,879 |
| **Region Totals** | **336,572** | **229** | **1,506,042** | **2,331,267** | **18,400,372** | **9,117,600** | **31,692,082** |

[a] Harvest accounting period for the Chinook salmon season is from October 1, 2015, through September 30, 2016.

[b] Jack Chinook salmon are ≤28 inches. Chinook salmon of <21 inches may be retained and sold in the purse seine fishery, and Chinook of all sizes may be sold in the drift gillnet fishery. Jack fish ticket data were revised in 2012, for the years 2005–2012, to provide more accurate accounting of gillnet harvested Chinook salmon for Pacific Salmon Treaty (PST) accounting purposes. Chinook salmon in the drift gillnet fishery will be based on recording of all sizes as one category on fish tickets, and separate accounting of jacks for PST purposes will be based on port sampling data. The PST accounts for Large Chinook salmon, ≥28 inches overall length, as Treaty Chinook.

[c] Southern Southeast Alaska includes Districts 101 to 108.

[d] Northern Southeast Alaska includes Districts 109 to 114.

[e] Includes salmon that were confiscated, caught in sport fish derbies, or commercial test fisheries, and sold.

[f] Districts 101 to 108, 150, and 152 (troll fishery Oct. 1–Sept 30).

[g] Districts 109 to 116, 154, 156, and 157 (troll fishery Oct. 1–Sept 30).

[h] Districts 181, 182, 183, 185, 186, 189, 191, 192 (troll fishery Oct. 1–Sept 30).

Table 4.–Southeast Alaska region annual commercial total salmon harvest by harvest type, in numbers and percent, from 1986 to 2016.

| Year | Seine | % | Driftnet | % | Setnet | % | Troll[a] | % | Annette Island | % | Hatchery[b] | % | Misc.[c] | % | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1986 | 46,156,636 | 84% | 3,161,172 | 6% | 268,174 | <1% | 2,605,376 | 5% | 2,047,763 | 4% | 367,868 | 1% | 35,458 | <1% | 54,642,447 |
| 1987 | 8,691,654 | 54% | 3,016,768 | 19% | 413,943 | 3% | 1,792,464 | 11% | 538,333 | 3% | 1,642,715 | 10% | 81,776 | 1% | 16,177,653 |
| 1988 | 11,274,603 | 64% | 2,607,418 | 15% | 518,455 | 3% | 1,348,285 | 8% | 1,058,584 | 6% | 645,811 | 4% | 61,563 | <1% | 17,514,719 |
| 1989 | 54,320,898 | 82% | 4,450,699 | 7% | 580,479 | 1% | 3,511,698 | 5% | 2,691,297 | 4% | 444,565 | 1% | 41,733 | <1% | 66,041,369 |
| 1990 | 30,330,838 | 76% | 2,917,511 | 7% | 530,825 | 1% | 2,963,172 | 7% | 1,727,293 | 4% | 1,414,924 | 4% | 44,645 | <1% | 39,929,208 |
| 1991 | 62,191,634 | 88% | 2,803,393 | 4% | 404,417 | 1% | 2,447,041 | 3% | 1,127,702 | 2% | 1,811,164 | 3% | 68,797 | <1% | 70,854,148 |
| 1992 | 34,808,120 | 75% | 3,832,020 | 8% | 632,425 | 1% | 2,894,863 | 6% | 1,190,707 | 3% | 3,094,606 | 7% | 45,851 | <1% | 46,498,592 |
| 1993 | 60,196,878 | 83% | 3,946,447 | 5% | 598,618 | 1% | 4,075,696 | 6% | 1,725,815 | 2% | 1,727,084 | 2% | 49,886 | <1% | 72,320,424 |
| 1994 | 60,075,945 | 79% | 4,255,756 | 6% | 570,976 | 1% | 4,948,777 | 7% | 725,117 | 1% | 5,386,836 | 7% | 76,180 | <1% | 76,039,587 |
| 1995 | 51,650,711 | 80% | 4,885,907 | 8% | 514,753 | 1% | 2,907,372 | 5% | 2,165,624 | 3% | 2,374,544 | 4% | 53,726 | <1% | 64,552,637 |
| 1996 | 72,547,199 | 84% | 4,054,104 | 5% | 474,783 | 1% | 3,277,938 | 4% | 1,066,239 | 1% | 5,352,633 | 6% | 71,534 | <1% | 86,844,430 |
| 1997 | 32,418,643 | 71% | 3,861,436 | 8% | 530,584 | 1% | 2,313,468 | 5% | 649,343 | 1% | 5,655,779 | 12% | 91,387 | <1% | 45,520,640 |
| 1998 | 49,057,331 | 78% | 4,332,833 | 7% | 365,039 | 1% | 2,213,999 | 4% | 1,070,302 | 2% | 5,700,976 | 9% | 89,256 | <1% | 62,829,736 |
| 1999 | 81,768,382 | 84% | 4,347,194 | 4% | 351,396 | <1% | 3,039,972 | 3% | 1,068,721 | 1% | 7,053,481 | 7% | 139,129 | <1% | 97,768,275 |
| 2000 | 27,180,728 | 69% | 3,918,771 | 10% | 338,124 | 1% | 1,953,985 | 5% | 1,128,736 | 3% | 5,028,361 | 13% | 95,943 | <1% | 39,644,648 |
| 2001 | 67,965,608 | 84% | 4,141,301 | 5% | 382,060 | <1% | 2,734,661 | 3% | 2,224,126 | 3% | 3,854,849 | 5% | 88,160 | <1% | 81,390,765 |
| 2002 | 45,891,149 | 80% | 3,129,105 | 5% | 331,848 | 1% | 1,845,766 | 3% | 1,548,231 | 3% | 4,378,603 | 8% | 96,389 | <1% | 57,221,091 |
| 2003 | 55,331,699 | 81% | 3,926,654 | 6% | 281,529 | <1% | 2,004,826 | 3% | 674,026 | 1% | 5,759,988 | 8% | 93,598 | <1% | 68,072,320 |
| 2004 | 49,621,064 | 80% | 3,914,562 | 6% | 312,708 | 1% | 2,503,067 | 4% | 876,978 | 1% | 4,978,262 | 8% | 104,429 | <1% | 62,311,070 |
| 2005 | 59,823,736 | 85% | 3,832,649 | 5% | 223,835 | <1% | 2,670,355 | 4% | 706,778 | 1% | 3,264,074 | 5% | 146,956 | <1% | 70,668,383 |
| 2006 | 16,281,579 | 56% | 4,796,219 | 17% | 315,892 | 1% | 1,867,125 | 6% | 475,603 | 2% | 5,233,643 | 18% | 77,642 | <1% | 29,047,703 |
| 2007 | 46,461,718 | 79% | 4,176,973 | 7% | 405,180 | 1% | 1,947,109 | 3% | 1,092,752 | 2% | 4,340,585 | 7% | 204,904 | <1% | 58,629,221 |
| 2008 | 17,811,215 | 63% | 3,787,192 | 13% | 255,562 | 1% | 1,533,878 | 5% | 1,139,310 | 4% | 3,537,129 | 13% | 17,864 | <1% | 28,082,150 |
| 2009 | 39,070,600 | 76% | 4,051,167 | 8% | 318,993 | 1% | 2,182,554 | 4% | 1,951,852 | 4% | 3,975,060 | 8% | 41,431 | <1% | 51,591,657 |
| 2010 | 24,151,627 | 65% | 4,446,106 | 12% | 445,692 | 1% | 2,022,645 | 5% | 1,742,725 | 5% | 4,374,123 | 12% | 59,940 | <1% | 37,242,858 |
| 2011 | 58,827,114 | 80% | 5,229,724 | 7% | 500,818 | 1% | 2,760,759 | 4% | 1,255,465 | 2% | 5,081,084 | 7% | 63,685 | <1% | 73,718,649 |
| 2012 | 24,466,785 | 66% | 5,246,512 | 14% | 253,904 | 1% | 2,058,871 | 6% | 1,342,408 | 4% | 3,563,712 | 10% | 60,964 | <1% | 36,993,156 |
| 2013 | 95,415,053 | 85% | 6,018,624 | 5% | 396,575 | <1% | 4,285,439 | 4% | 2,823,494 | 3% | 3,433,823 | 3% | 80,963 | <1% | 112,453,971 |
| 2014 | 37,174,155 | 75% | 4,878,945 | 10% | 301,169 | 1% | 2,881,482 | 6% | 2,165,688 | 4% | 2,336,009 | 5% | 23,825 | <1% | 49,761,273 |
| 2015 | 38,274,679 | 75% | 5,396,585 | 11% | 282,196 | 1% | 2,200,625 | 4% | 1,544,035 | 3% | 2,990,176 | 6% | 143,981 | <1% | 50,832,277 |
| 2016 | 19,397,832 | 61% | 4,739,184 | 15% | 259,759 | 1% | 1,887,507 | 6% | 1,883,698 | 6% | 3,450,634 | 11% | 73,468 | <1% | 31,692,082 |
| **Averages** | | | | | | | | | | | | | | | |
| 1962 –2015 | 32,404,182 | 77% | 3,084,112 | 9% | 351,165 | 1% | 2,024,802 | 6% | 994,526 | 2% | - | - | - | - | 40,948,318 |
| 2006 –2015 | 39,793,453 | 72% | 4,802,805 | 10% | 347,598 | 1% | 2,374,049 | 5% | 1,553,333 | 3% | 3,886,534 | 9% | 77,520 | <1% | 52,835,292 |
| **Harvest** | | | | | | | | | | | | | | | |
| Max. & year | 95,415,053 | 2013 | 6,018,624 | 2013 | 632,425 | 1992 | 4,948,777 | 1994 | 2,823,494 | 2013 | 7,053,481 | 1999 | 204,904 | 2007 | 112,453,971 |
| Min. & year | 3,929,881 | 1975 | 868,518 | 1975 | 166,361 | 1970 | 582,091 | 1975 | 30,866 | 1969 | 752 | 1980 | 6,931 | 1981 | 5,688,347 |

[a] Salmon harvest is reported by calendar year except for the troll fishery. Troll is reported by season (Oct. 1–Sept. 30) beginning October 1, 1979, for the 1980 season.

[b] Includes salmon caught and sold in private, state, and federal hatchery's fisheries and carcass sales.

[c] Includes confiscations, commercial test fisheries, and sport derbies where fish were sold.

Table 5.–Southeast Alaska region annual commercial Chinook salmon harvest by harvest type, in numbers and percent, from 1986 to 2016.

| Year | Seine | % | Driftnet | % | Setnet | % | Troll | % | Annette Island | % | Hatchery | % | Misc.[a] | % | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1986 | 13,271 | 5% | 8,441 | 3% | 1,428 | 1% | 237,699 | 90% | 121 | <1% | 1,093 | <1% | 1,537 | 1% | 263,590 |
| 1987 | 6,284 | 2% | 8,430 | 3% | 2,072 | 1% | 242,529 | 92% | 565 | <1% | 2,376 | 1% | 932 | <1% | 263,188 |
| 1988 | 12,165 | 5% | 9,079 | 3% | 893 | <1% | 231,110 | 87% | 941 | <1% | 9,649 | 4% | 1,044 | <1% | 264,881 |
| 1989 | 17,103 | 6% | 9,579 | 3% | 798 | <1% | 235,609 | 83% | 892 | <1% | 19,680 | 7% | 1,275 | <1% | 284,936 |
| 1990 | 14,777 | 4% | 14,693 | 4% | 663 | <1% | 287,100 | 83% | 1,840 | 1% | 26,692 | 8% | 390 | <1% | 346,155 |
| 1991 | 17,107 | 5% | 18,457 | 6% | 1,747 | 1% | 263,153 | 79% | 4,015 | 1% | 25,995 | 8% | 703 | <1% | 331,177 |
| 1992 | 20,320 | 9% | 11,285 | 5% | 2,025 | 1% | 183,353 | 78% | 1,210 | 1% | 16,723 | 7% | 1,369 | 1% | 236,285 |
| 1993 | 12,291 | 4% | 18,011 | 6% | 1,311 | <1% | 226,561 | 80% | 639 | <1% | 23,246 | 8% | 2,749 | 1% | 284,808 |
| 1994 | 21,089 | 9% | 16,735 | 7% | 3,820 | 2% | 186,299 | 75% | 230 | <1% | 17,750 | 7% | 1,513 | 1% | 247,436 |
| 1995 | 26,777 | 12% | 13,342 | 6% | 9,374 | 4% | 138,117 | 63% | 133 | <1% | 31,405 | 14% | 1,281 | 1% | 220,429 |
| 1996 | 23,155 | 11% | 9,982 | 5% | 4,854 | 2% | 141,447 | 66% | 243 | <1% | 33,496 | 16% | 1,410 | 1% | 214,587 |
| 1997 | 10,841 | 4% | 11,006 | 4% | 3,264 | 1% | 246,402 | 81% | 505 | <1% | 30,144 | 10% | 2,294 | 1% | 304,456 |
| 1998 | 16,167 | 7% | 5,937 | 3% | 2,804 | 1% | 192,066 | 82% | 304 | <1% | 15,943 | 7% | 1,390 | 1% | 234,611 |
| 1999 | 20,849 | 11% | 8,983 | 5% | 5,108 | 3% | 146,218 | 74% | 744 | <1% | 15,100 | 8% | 1,093 | 1% | 198,095 |
| 2000 | 22,044 | 9% | 13,475 | 6% | 2,460 | 1% | 158,791 | 68% | 4,769 | 2% | 31,637 | 14% | 719 | <1% | 233,895 |
| 2001 | 22,314 | 9% | 13,644 | 6% | 2,631 | 1% | 153,280 | 62% | 4,156 | 2% | 49,028 | 20% | 776 | <1% | 245,829 |
| 2002 | 18,725 | 5% | 10,216 | 3% | 2,510 | 1% | 325,368 | 84% | 1,818 | <1% | 28,445 | 7% | 819 | <1% | 387,901 |
| 2003 | 25,236 | 6% | 10,704 | 3% | 3,842 | 1% | 330,719 | 79% | 780 | <1% | 45,723 | 11% | 868 | <1% | 417,872 |
| 2004 | 39,984 | 8% | 20,148 | 4% | 2,734 | 1% | 354,607 | 73% | 1,914 | <1% | 62,470 | 13% | 2,170 | <1% | 484,027 |
| 2005 | 20,421 | 5% | 55,754 | 12% | 766 | <1% | 338,024 | 75% | 1,697 | <1% | 29,408 | 7% | 1,922 | <1% | 447,992 |
| 2006 | 25,970 | 7% | 47,202 | 13% | 1,208 | <1% | 282,258 | 76% | 806 | <1% | 12,794 | 3% | 1,403 | <1% | 371,641 |
| 2007 | 28,398 | 8% | 30,067 | 8% | 1,562 | <1% | 267,986 | 75% | 1,232 | <1% | 28,167 | 8% | 1,817 | 1% | 359,229 |
| 2008 | 16,018 | 7% | 32,044 | 13% | 850 | <1% | 151,852 | 62% | 743 | <1% | 41,799 | 17% | 931 | <1% | 244,237 |
| 2009 | 29,888 | 11% | 25,221 | 9% | 1,533 | 1% | 175,335 | 65% | 1,033 | <1% | 35,107 | 13% | 516 | <1% | 268,633 |
| 2010 | 16,551 | 6% | 19,316 | 7% | 501 | <1% | 195,482 | 75% | 943 | <1% | 28,135 | 11% | 530 | <1% | 261,458 |
| 2011 | 27,770 | 8% | 31,010 | 9% | 1,123 | <1% | 242,560 | 70% | 1,705 | <1% | 41,301 | 12% | 976 | <1% | 346,445 |
| 2012 | 21,713 | 8% | 26,243 | 9% | 942 | <1% | 209,061 | 75% | 1,623 | 1% | 18,809 | 7% | 1,582 | 1% | 279,973 |
| 2013 | 24,516 | 10% | 34,525 | 14% | 1,401 | 1% | 149,485 | 62% | 1,453 | 1% | 30,665 | 13% | 144 | <1% | 242,189 |
| 2014 | 28,290 | 7% | 27,877 | 7% | 1,403 | <1% | 355,426 | 83% | 1,418 | <1% | 13,148 | 3% | 767 | <1% | 428,329 |
| 2015 | 30,067 | 9% | 29,267 | 8% | 934 | <1% | 269,811 | 77% | 2,190 | 1% | 17,521 | 5% | 1,010 | <1% | 350,800 |
| 2016 | 27,563 | 8% | 20,701 | 6% | 343 | <1% | 276,422 | 82% | 1,731 | 1% | 9,136 | 3% | 905 | <1% | 336,801 |
| **Averages** | | | | | | | | | | | | | | | |
| 1962-2015 | 16,737 | 6% | 16,139 | 5% | 2,097 | 1% | 251,411 | 83% | 820 | <1% | - | - | - | - | 302,528 |
| 2006-2015 | 24,918 | 8% | 30,277 | 10% | 1,146 | <1% | 229,926 | 72% | 1,315 | <1% | 26,745 | 9% | 968 | <1% | 315,293 |
| **Harvest** | | | | | | | | | | | | | | | |
| Max. & year | 39,984 | 2004 | 55,754 | 2005 | 9,374 | 1995 | 375,427 | 1978 | 4,769 | 2000 | 62,470 | 2004 | 2,749 | 1993 | 484,027 |
| Min. & year | 1,428 | 1976 | 4,598 | 1983 | 343 | 2016 | 138,117 | 1995 | 3 | 1966 | 937 | 1984 | 6 | 1983 | 196,650 |

*Note:* Chinook salmon harvest is reported by season (Oct. 1–Sept. 30) beginning October 1, 1979, for the 1980 season.

[a] Includes confiscations, test fisheries, and sanctioned sport derbies where fish were sold.

Table 6.–Southeast Alaska region annual commercial total sockeye salmon harvest by harvest type, in numbers and percent, from 1986 to 2016.

| Year | Seine | % | Driftnet | % | Setnet | % | Troll | % | Annette Island | % | Hatchery | Misc.[a] | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1986 | 587,730 | 41% | 658,611 | 46% | 150,770 | 10% | 6,885 | <1% | 36,510 | | 6 | 2,474 | 1,442,986 |
| 1987 | 310,282 | 23% | 736,200 | 53% | 259,989 | 19% | 9,722 | 1% | 54,186 | | 1,121 | 6,217 | 1,377,717 |
| 1988 | 654,748 | 45% | 600,925 | 41% | 162,168 | 11% | 9,339 | 1% | 30,979 | | 85 | 2,173 | 1,460,417 |
| 1989 | 823,185 | 39% | 893,976 | 42% | 329,454 | 16% | 20,173 | 1% | 50,496 | | 66 | 7,490 | 2,124,840 |
| 1990 | 965,918 | 45% | 767,492 | 36% | 344,606 | 16% | 9,175 | <1% | 59,644 | | 75 | 8,806 | 2,155,716 |
| 1991 | 1,051,269 | 51% | 711,874 | 34% | 229,903 | 11% | 9,806 | <1% | 45,130 | | 1,478 | 14,126 | 2,063,586 |
| 1992 | 1,336,889 | 50% | 922,069 | 35% | 314,175 | 12% | 22,854 | 1% | 61,169 | | 2,108 | 7,158 | 2,666,422 |
| 1993 | 1,690,471 | 53% | 1,021,899 | 32% | 345,887 | 11% | 25,337 | 1% | 95,063 | | 7,545 | 4,758 | 3,190,960 |
| 1994 | 1,430,610 | 60% | 686,792 | 29% | 206,760 | 9% | 21,777 | 1% | 41,615 | | 3,322 | 1,613 | 2,392,489 |
| 1995 | 907,120 | 51% | 640,971 | 36% | 153,723 | 9% | 27,323 | 2% | 55,503 | | 8,448 | 2,243 | 1,795,331 |
| 1996 | 1,514,523 | 54% | 1,026,591 | 37% | 209,029 | 7% | 11,024 | <1% | 29,859 | | 6,636 | 2,186 | 2,799,848 |
| 1997 | 1,578,021 | 64% | 645,516 | 26% | 110,078 | 4% | 39,428 | 2% | 41,365 | | 58,879 | 4,107 | 2,477,394 |
| 1998 | 732,790 | 53% | 501,291 | 36% | 77,189 | 6% | 6,476 | <1% | 16,554 | | 34,590 | 6,468 | 1,375,358 |
| 1999 | 425,298 | 37% | 545,681 | 47% | 128,751 | 11% | 5,730 | <1% | 21,867 | | 24,075 | 9,328 | 1,160,730 |
| 2000 | 489,257 | 40% | 496,614 | 40% | 99,182 | 8% | 4,467 | <1% | 22,529 | | 107,244 | 10,097 | 1,229,390 |
| 2001 | 1,013,151 | 50% | 687,476 | 34% | 141,449 | 7% | 8,992 | <1% | 41,245 | | 138,233 | 4,684 | 2,035,230 |
| 2002 | 154,478 | 19% | 464,138 | 58% | 112,656 | 14% | 1,247 | <1% | 34,821 | | 36,859 | 2,248 | 806,447 |
| 2003 | 681,418 | 45% | 598,679 | 39% | 154,384 | 10% | 4,596 | <1% | 7,806 | | 75,869 | 2,604 | 1,525,356 |
| 2004 | 900,557 | 44% | 798,096 | 39% | 88,282 | 4% | 5,009 | <1% | 30,743 | | 210,665 | 4,393 | 2,037,745 |
| 2005 | 898,515 | 56% | 462,209 | 29% | 79,221 | 5% | 13,277 | 1% | 13,285 | | 140,245 | 1,083 | 1,607,835 |
| 2006 | 413,938 | 31% | 625,667 | 47% | 138,510 | 10% | 8,084 | 1% | 20,908 | | 124,109 | 2,280 | 1,333,496 |
| 2007 | 1,063,704 | 56% | 501,765 | 26% | 236,289 | 12% | 6,439 | <1% | 19,579 | | 74,419 | 2,607 | 1,904,802 |
| 2008 | 74,389 | 17% | 264,877 | 61% | 35,227 | 8% | 1,253 | <1% | 5,770 | | 53,981 | 805 | 436,302 |
| 2009 | 307,436 | 33% | 408,336 | 44% | 105,825 | 11% | 2,929 | <1% | 15,036 | | 85,049 | 1,138 | 925,749 |
| 2010 | 151,270 | 21% | 388,105 | 54% | 122,022 | 17% | 1,923 | <1% | 14,769 | | 38,334 | 1,192 | 717,615 |
| 2011 | 499,289 | 40% | 517,994 | 42% | 167,704 | 13% | 5,190 | <1% | 29,329 | | 22,001 | 938 | 1,242,445 |
| 2012 | 170,345 | 18% | 498,318 | 53% | 124,780 | 13% | 3,231 | <1% | 22,091 | | 125,664 | 2,790 | 947,219 |
| 2013 | 282,350 | 29% | 456,014 | 47% | 168,356 | 17% | 5,019 | 1% | 10,901 | | 49,609 | 2,416 | 974,665 |
| 2014 | 900,955 | 54% | 497,968 | 30% | 116,435 | 7% | 7,289 | <1% | 21,675 | | 123,029 | 2,581 | 1,669,932 |
| 2015 | 908,663 | 59% | 389,979 | 26% | 82,748 | 5% | 6,977 | <1% | 26,633 | | 111,381 | 2,393 | 1,528,774 |
| 2016 | 610,598 | 41% | 622,390 | 41% | 93,052 | 6% | 6,691 | <1% | 22,185 | | 148,032 | 3,094 | 1,506,042 |
| **Averages** | | | | | | | | | | | | | |
| 1962-2015 | 607,869 | 43% | 516,645 | 41% | 149,994 | 12% | 7,043 | <1% | 26,691 | | - | - | 1,341,589 |
| 2006-2015 | 477,234 | 36% | 454,902 | 43% | 129,790 | 11% | 4,833 | <1% | 18,669 | | 80,758 | 1,914 | 1,168,100 |
| **Harvest** | | | | | | | | | | | | | |
| Max. & year | 1,690,471 | 1993 | 1,026,591 | 1996 | 345,887 | 1993 | 39,428 | 1997 | 95,063 | | 210,665 | 14,126 | 3,190,960 |
| Min. & year | 61,784 | 1975 | 108,574 | 1975 | 35,227 | 2008 | 157 | 1967 | 622 | | 1 | 178 | 244,855 |

[a] Includes confiscations, commercial test fisheries, and sport derbies where fish were sold.

Table 7.– Southeast Alaska region annual commercial total coho salmon harvest by harvest type, in numbers and percent, from 1986 to 2016.

| Year | Seine | % | Driftnet | % | Setnet | % | Troll | % | Annette Island | Hatchery | Misc.[a] | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1986 | 568,410 | 17% | 395,889 | 12% | 92,097 | 3% | 2,127,695 | 62% | 75,384 | 143,799 | 1,328 | 3,404,602 |
| 1987 | 121,974 | 8% | 165,249 | 11% | 124,407 | 8% | 1,041,015 | 67% | 35,790 | 50,465 | 4,448 | 1,543,348 |
| 1988 | 157,003 | 15% | 163,808 | 16% | 205,926 | 20% | 500,208 | 48% | 8,681 | 7,539 | 3,503 | 1,046,668 |
| 1989 | 330,989 | 15% | 234,423 | 11% | 176,773 | 8% | 1,415,517 | 64% | 23,870 | 18,921 | 3,551 | 2,204,044 |
| 1990 | 372,471 | 13% | 351,039 | 12% | 148,891 | 5% | 1,832,414 | 64% | 35,104 | 125,762 | 2,536 | 2,868,217 |
| 1991 | 405,592 | 13% | 545,376 | 17% | 166,731 | 5% | 1,718,318 | 54% | 63,146 | 294,490 | 3,350 | 3,197,003 |
| 1992 | 488,399 | 13% | 645,159 | 17% | 290,095 | 8% | 1,929,832 | 52% | 71,282 | 268,913 | 2,529 | 3,696,209 |
| 1993 | 473,138 | 13% | 417,681 | 11% | 237,446 | 6% | 2,395,874 | 65% | 32,690 | 106,476 | 2,130 | 3,665,435 |
| 1994 | 967,691 | 17% | 698,125 | 12% | 343,843 | 6% | 3,467,541 | 61% | 48,900 | 188,847 | 6,753 | 5,721,700 |
| 1995 | 617,777 | 18% | 415,158 | 12% | 295,030 | 9% | 1,750,167 | 52% | 51,452 | 215,431 | 663 | 3,345,678 |
| 1996 | 441,457 | 14% | 368,570 | 12% | 227,802 | 7% | 1,906,312 | 60% | 42,044 | 166,941 | 3,825 | 3,156,951 |
| 1997 | 183,693 | 9% | 131,240 | 7% | 322,776 | 16% | 1,170,288 | 59% | 30,846 | 135,179 | 405 | 1,974,427 |
| 1998 | 464,716 | 16% | 412,446 | 14% | 197,629 | 7% | 1,636,711 | 55% | 39,467 | 234,675 | 3,436 | 2,989,080 |
| 1999 | 416,415 | 11% | 351,598 | 10% | 187,055 | 5% | 2,272,461 | 63% | 49,365 | 349,200 | 4,140 | 3,630,234 |
| 2000 | 206,479 | 11% | 167,623 | 9% | 170,948 | 9% | 1,125,219 | 57% | 18,189 | 268,171 | 399 | 1,957,028 |
| 2001 | 542,643 | 16% | 294,441 | 9% | 205,344 | 6% | 1,845,609 | 56% | 57,055 | 352,904 | 2,936 | 3,300,932 |
| 2002 | 469,680 | 14% | 436,612 | 13% | 200,888 | 6% | 1,315,080 | 41% | 64,880 | 749,889 | 5,487 | 3,242,516 |
| 2003 | 394,168 | 16% | 434,234 | 17% | 74,343 | 3% | 1,223,458 | 49% | 39,879 | 328,650 | 3,643 | 2,498,375 |
| 2004 | 399,267 | 13% | 316,192 | 10% | 196,930 | 6% | 1,914,945 | 62% | 30,883 | 221,721 | 4,725 | 3,084,663 |
| 2005 | 341,295 | 11% | 272,873 | 9% | 82,887 | 3% | 2,034,874 | 68% | 35,204 | 231,341 | 4,310 | 3,002,784 |
| 2006 | 109,498 | 5% | 252,449 | 12% | 86,085 | 4% | 1,362,915 | 65% | 30,287 | 246,062 | 4,579 | 2,091,875 |
| 2007 | 247,568 | 12% | 175,286 | 8% | 76,550 | 4% | 1,376,679 | 67% | 35,185 | 146,797 | 4,578 | 2,062,643 |
| 2008 | 208,196 | 9% | 337,447 | 14% | 153,712 | 6% | 1,291,821 | 54% | 48,632 | 340,538 | 1,127 | 2,381,473 |
| 2009 | 283,431 | 11% | 320,910 | 12% | 133,808 | 5% | 1,585,703 | 60% | 51,495 | 259,997 | 138 | 2,635,482 |
| 2010 | 192,465 | 7% | 503,136 | 19% | 161,460 | 6% | 1,342,919 | 52% | 85,055 | 295,235 | 499 | 2,580,769 |
| 2011 | 347,132 | 15% | 237,976 | 10% | 125,830 | 5% | 1,313,888 | 57% | 53,336 | 232,531 | 639 | 2,311,332 |
| 2012 | 275,426 | 13% | 265,357 | 13% | 98,677 | 5% | 1,201,520 | 58% | 42,468 | 201,044 | 2,229 | 2,086,721 |
| 2013 | 545,667 | 14% | 441,552 | 11% | 158,046 | 4% | 2,392,138 | 62% | 50,477 | 285,491 | 3,774 | 3,877,145 |
| 2014 | 388,692 | 10% | 554,301 | 15% | 161,977 | 4% | 2,243,782 | 59% | 51,275 | 387,988 | 1,604 | 3,789,619 |
| 2015 | 284,301 | 13% | 251,058 | 12% | 129,069 | 6% | 1,240,195 | 57% | 34,100 | 221,087 | 4,133 | 2,163,943 |
| 2016 | 257,091 | 11% | 263,968 | 11% | 144,032 | 6% | 1,386,103 | 59% | 45,823 | 231,471 | 2,779 | 2,331,267 |
| **Averages** | | | | | | | | | | | | |
| 1962 –2015 | 333,539 | 17% | 267,505 | 13% | 141,541 | 7% | 1,256,809 | 57% | 27,804 | - | - | 2,161,539 |
| 2006 –2015 | 288,238 | 11% | 333,947 | 13% | 128,521 | 5% | 1,535,156 | 59% | 48,231 | 261,677 | 2,330 | 2,598,100 |
| **Harvest** | | | | | | | | | | | | |
| Max. & year | 967,691 | 1994 | 698,125 | 1994 | 343,843 | 1994 | 3,467,541 | 1994 | 85,055 | 749,889 | 6,753 | 5,721,700 |
| Min. & year | 70,193 | 1975 | 65,101 | 1969 | 30,279 | 1970 | 214,219 | 1975 | 324 | 4,220 | 23 | 424,757 |

[a] Includes confiscations, commercial test fisheries, and sport derbies where fish were sold.

Table 8.–Southeast Alaska region annual commercial total pink salmon harvest by harvest type, in numbers and percent, from 1986 to 2016.

| Year | Seine | % | Driftnet | % | Setnet | % | Troll | % | Annette Island | % | Hatchery | % | Misc.[a] | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1986 | 42,788,318 | 93% | 1,282,418 | 3% | 7,263 | <1% | 181,706 | <1% | 1,823,069 | 4% | 61,178 | <1% | 28,325 | 46,172,277 |
| 1987 | 7,018,562 | 68% | 1,359,526 | 13% | 12,920 | <1% | 486,355 | 5% | 338,763 | 3% | 994,190 | 10% | 70,106 | 10,280,422 |
| 1988 | 8,825,252 | 79% | 688,750 | 6% | 120,212 | 1% | 519,367 | 5% | 890,272 | 8% | 115,729 | 1% | 47,580 | 11,207,162 |
| 1989 | 52,070,066 | 88% | 2,769,875 | 5% | 57,195 | <1% | 1,771,409 | 3% | 2,550,624 | 4% | 213,371 | <1% | 27,663 | 59,460,203 |
| 1990 | 27,915,150 | 86% | 1,168,061 | 4% | 30,840 | <1% | 771,665 | 2% | 1,546,186 | 5% | 880,750 | 3% | 29,350 | 32,342,002 |
| 1991 | 58,592,358 | 95% | 820,409 | 1% | 3,052 | <1% | 427,326 | 1% | 933,309 | 2% | 1,112,888 | 2% | 36,997 | 61,926,339 |
| 1992 | 29,769,079 | 85% | 1,408,331 | 4% | 18,526 | <1% | 673,795 | 2% | 954,756 | 3% | 2,111,411 | 6% | 27,400 | 34,963,298 |
| 1993 | 53,414,515 | 93% | 1,087,670 | 2% | 9,909 | <1% | 902,766 | 2% | 1,521,934 | 3% | 332,763 | 1% | 29,793 | 57,299,350 |
| 1994 | 51,280,083 | 90% | 1,030,607 | 2% | 12,324 | <1% | 942,783 | 2% | 498,031 | 1% | 3,459,436 | 6% | 51,613 | 57,274,877 |
| 1995 | 43,498,508 | 91% | 1,337,764 | 3% | 54,041 | <1% | 714,312 | 1% | 1,925,156 | 4% | 411,701 | 1% | 24,024 | 47,965,506 |
| 1996 | 61,649,487 | 95% | 615,311 | 1% | 31,295 | <1% | 812,899 | 1% | 867,799 | 1% | 609,316 | 1% | 43,607 | 64,629,714 |
| 1997 | 24,782,485 | 86% | 1,384,200 | 5% | 93,658 | <1% | 545,308 | 2% | 410,054 | 1% | 1,695,171 | 6% | 64,348 | 28,975,224 |
| 1998 | 38,436,679 | 90% | 1,489,395 | 4% | 86,066 | <1% | 261,104 | 1% | 799,296 | 2% | 1,411,511 | 3% | 51,351 | 42,535,402 |
| 1999 | 71,961,636 | 92% | 1,274,672 | 2% | 29,554 | <1% | 540,859 | 1% | 896,414 | 1% | 3,053,220 | 4% | 91,929 | 77,848,284 |
| 2000 | 18,156,691 | 89% | 679,452 | 3% | 64,349 | <1% | 187,364 | 1% | 918,280 | 5% | 267,913 | 1% | 39,377 | 20,313,426 |
| 2001 | 61,951,322 | 92% | 1,568,859 | 2% | 32,230 | <1% | 258,943 | <1% | 1,995,215 | 3% | 1,189,294 | 2% | 60,128 | 67,055,991 |
| 2002 | 42,137,936 | 93% | 802,290 | 2% | 15,590 | <1% | 86,399 | <1% | 1,363,274 | 3% | 853,059 | 2% | 72,459 | 45,331,007 |
| 2003 | 49,894,749 | 95% | 1,354,839 | 3% | 48,418 | <1% | 159,643 | <1% | 569,512 | 1% | 420,141 | 1% | 68,330 | 52,515,632 |
| 2004 | 42,596,809 | 94% | 944,447 | 2% | 23,207 | <1% | 57,199 | <1% | 715,774 | 2% | 933,287 | 2% | 62,289 | 45,333,012 |
| 2005 | 55,746,479 | 94% | 1,530,243 | 3% | 60,436 | <1% | 109,584 | <1% | 598,105 | 1% | 1,004,250 | 2% | 133,145 | 59,182,242 |
| 2006 | 10,117,941 | 87% | 744,048 | 6% | 88,864 | 1% | 60,323 | 1% | 263,420 | 2% | 377,353 | 3% | 43,462 | 11,695,411 |
| 2007 | 42,078,209 | 94% | 984,250 | 2% | 87,997 | <1% | 104,325 | <1% | 846,271 | 2% | 606,443 | 1% | 177,245 | 44,884,740 |
| 2008 | 14,297,381 | 90% | 560,612 | 4% | 65,227 | <1% | 28,123 | <1% | 926,190 | 6% | 83,099 | 1% | 6,418 | 15,967,050 |
| 2009 | 34,946,847 | 92% | 566,734 | 1% | 76,956 | <1% | 75,722 | <1% | 1,725,651 | 5% | 682,266 | 2% | 27,254 | 38,101,430 |
| 2010 | 20,556,774 | 85% | 1,315,953 | 5% | 160,470 | 1% | 87,625 | <1% | 1,327,540 | 5% | 713,384 | 3% | 46,712 | 24,208,458 |
| 2011 | 55,251,280 | 94% | 1,641,100 | 3% | 205,261 | <1% | 496,220 | 1% | 740,510 | 1% | 698,067 | 1% | 55,849 | 59,088,287 |
| 2012 | 19,172,555 | 90% | 938,892 | 4% | 27,343 | <1% | 168,539 | 1% | 807,922 | 4% | 153,194 | 1% | 35,945 | 21,304,390 |
| 2013 | 88,764,579 | 94% | 1,664,045 | 2% | 67,344 | <1% | 684,532 | 1% | 2,578,174 | 3% | 968,118 | 1% | 60,148 | 94,786,940 |
| 2014 | 33,471,883 | 90% | 1,417,432 | 4% | 20,733 | <1% | 75,278 | <1% | 1,961,842 | 5% | 236,214 | 1% | 10,364 | 37,193,746 |
| 2015 | 32,224,601 | 92% | 1,374,363 | 4% | 68,785 | <1% | 259,411 | 1% | 776,981 | 2% | 333,233 | 1% | 124,052 | 35,161,426 |
| 2016 | 15,393,318 | 84% | 1,152,890 | 6% | 21,778 | <1% | 53,359 | <1% | 1,418,243 | 8% | 330,519 | 2% | 30,265 | 18,400,372 |
| **Averages** | | | | | | | | | | | | | | |
| 1962-2015 | 28,466,943 | 89% | 1,008,420 | 5% | 51,049 | <1% | 353,564 | 2% | 874,236 | 3% | - | - | - | 31,283,507 |
| 2006-2015 | 35,088,205 | 91% | 1,120,743 | 4% | 86,898 | <1% | 204,010 | 1% | 1,195,450 | 4% | 485,137 | 2% | 58,745 | 38,239,188 |
| **Harvest** | | | | | | | | | | | | | | |
| Max. & year | 88,764,579 | 2013 | 2,769,875 | 1989 | 205,261 | 2011 | 1,771,409 | 1989 | 2,578,174 | 2013 | 3,459,436 | 1994 | 177,245 | 94,786,940 |
| Min. & year | 2,807,759 | 1967 | 205,683 | 1967 | 1,405 | 1966 | 28,123 | 2008 | 6,949 | 1967 | 7,346 | 1982 | 4,002 | 3,109,343 |

[a] Includes confiscations, commercial test fisheries, and sport derbies where fish were sold.

Table 9.–Southeast Alaska region annual commercial total chum salmon harvest by harvest type, in numbers and percent, from 1986 to 2016.

| Year | Seine | % | Driftnet | % | Setnet | % | Troll | % | Annette Island | % | Hatchery | % | Misc.[a] | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1986 | 2,198,907 | 65% | 815,813 | 24% | 16,616 | <1% | 51,391 | 2% | 112,679 | 3% | 161,792 | 5% | 1,794 | 3,358,992 |
| 1987 | 1,234,552 | 45% | 747,363 | 27% | 14,555 | 1% | 12,843 | <1% | 109,029 | 4% | 594,563 | 22% | 8,756 | 2,721,661 |
| 1988 | 1,625,435 | 46% | 1,144,856 | 32% | 29,256 | 1% | 88,261 | 2% | 127,711 | 4% | 512,809 | 15% | 7,263 | 3,535,591 |
| 1989 | 1,079,555 | 55% | 542,846 | 28% | 16,259 | 1% | 68,990 | 4% | 65,415 | 3% | 192,527 | 10% | 3,302 | 1,968,894 |
| 1990 | 1,062,522 | 48% | 616,226 | 28% | 5,825 | <1% | 62,818 | 3% | 84,519 | 4% | 381,645 | 17% | 4,340 | 2,217,895 |
| 1991 | 2,125,308 | 64% | 707,277 | 21% | 2,984 | <1% | 28,438 | 1% | 82,102 | 2% | 376,313 | 11% | 13,621 | 3,336,043 |
| 1992 | 3,193,433 | 65% | 845,176 | 17% | 7,604 | <1% | 85,029 | 2% | 102,290 | 2% | 695,451 | 14% | 7,532 | 4,936,515 |
| 1993 | 4,606,463 | 58% | 1,401,186 | 18% | 4,065 | <1% | 525,158 | 7% | 75,489 | 1% | 1,256,796 | 16% | 10,711 | 7,879,868 |
| 1994 | 6,376,472 | 61% | 1,823,497 | 18% | 4,229 | <1% | 330,377 | 3% | 136,341 | 1% | 1,717,481 | 17% | 14,688 | 10,403,085 |
| 1995 | 6,600,529 | 59% | 2,478,672 | 22% | 2,585 | <1% | 277,453 | 2% | 133,380 | 1% | 1,707,559 | 15% | 25,515 | 11,225,693 |
| 1996 | 8,918,577 | 56% | 2,033,650 | 13% | 1,803 | <1% | 406,256 | 3% | 126,294 | 1% | 4,536,244 | 28% | 20,506 | 16,043,330 |
| 1997 | 5,863,603 | 50% | 1,689,474 | 14% | 808 | <1% | 312,042 | 3% | 166,573 | 1% | 3,736,406 | 32% | 20,233 | 11,789,139 |
| 1998 | 9,406,979 | 60% | 1,923,764 | 12% | 1,351 | <1% | 117,642 | 1% | 214,681 | 1% | 4,004,257 | 26% | 26,611 | 15,695,285 |
| 1999 | 8,944,184 | 60% | 2,166,260 | 15% | 928 | <1% | 74,704 | 1% | 100,331 | 1% | 3,611,886 | 24% | 32,639 | 14,930,932 |
| 2000 | 8,306,257 | 52% | 2,561,607 | 16% | 1,185 | <1% | 478,144 | 3% | 164,969 | 1% | 4,353,396 | 27% | 45,351 | 15,910,909 |
| 2001 | 4,436,178 | 51% | 1,576,881 | 18% | 406 | <1% | 467,837 | 5% | 126,455 | 1% | 2,125,390 | 24% | 21,269 | 8,754,416 |
| 2002 | 3,110,330 | 42% | 1,415,849 | 19% | 204 | <1% | 117,672 | 2% | 83,438 | 1% | 2,710,351 | 36% | 17,163 | 7,455,007 |
| 2003 | 4,336,128 | 39% | 1,528,198 | 14% | 542 | <1% | 286,410 | 3% | 56,049 | 1% | 4,889,605 | 44% | 18,153 | 11,115,085 |
| 2004 | 5,684,447 | 50% | 1,835,679 | 16% | 1,555 | <1% | 171,307 | 2% | 97,664 | 1% | 3,550,119 | 31% | 30,852 | 11,371,623 |
| 2005 | 2,817,026 | 44% | 1,511,570 | 24% | 525 | <1% | 174,596 | 3% | 58,487 | 1% | 1,858,830 | 29% | 6,496 | 6,427,530 |
| 2006 | 5,614,232 | 41% | 3,126,853 | 23% | 1,225 | <1% | 153,545 | 1% | 160,182 | 1% | 4,473,325 | 33% | 25,918 | 13,555,280 |
| 2007 | 3,043,839 | 32% | 2,485,605 | 26% | 2,782 | <1% | 191,680 | 2% | 190,485 | 2% | 3,484,759 | 37% | 18,657 | 9,417,807 |
| 2008 | 3,215,231 | 36% | 2,592,212 | 29% | 546 | <1% | 60,829 | 1% | 157,975 | 2% | 3,017,712 | 33% | 8,583 | 9,053,088 |
| 2009 | 3,502,998 | 36% | 2,729,966 | 28% | 871 | <1% | 342,865 | 4% | 158,637 | 2% | 2,912,641 | 30% | 12,385 | 9,660,363 |
| 2010 | 3,234,567 | 34% | 2,219,596 | 23% | 1,239 | <1% | 394,696 | 4% | 314,418 | 3% | 3,299,035 | 35% | 11,007 | 9,474,558 |
| 2011 | 2,701,643 | 25% | 2,801,644 | 26% | 900 | <1% | 702,901 | 7% | 430,585 | 4% | 4,087,184 | 38% | 5,283 | 10,730,140 |
| 2012 | 4,826,746 | 39% | 3,517,702 | 28% | 2,162 | <1% | 476,520 | 4% | 468,304 | 4% | 3,065,001 | 25% | 18,418 | 12,374,853 |
| 2013 | 5,797,941 | 46% | 3,422,488 | 27% | 1,428 | <1% | 1,054,265 | 8% | 182,489 | 1% | 2,099,940 | 17% | 14,481 | 12,573,032 |
| 2014 | 2,384,335 | 36% | 2,381,367 | 36% | 621 | <1% | 199,707 | 3% | 129,478 | 2% | 1,575,630 | 24% | 8,509 | 6,679,647 |
| 2015 | 4,827,047 | 42% | 3,351,918 | 29% | 660 | <1% | 424,231 | 4% | 704,131 | 6% | 2,306,954 | 20% | 12,393 | 11,627,334 |
| 2016 | 3,109,269 | 34% | 2,679,235 | 29% | 554 | <1% | 164,932 | 2% | 395,716 | 4% | 2,731,469 | 30% | 36,425 | 9,117,600 |
| **Averages** | | | | | | | | | | | | | | |
| 1962–2015 | 2,979,093 | 57% | 1,275,404 | 25% | 6,483 | <1% | 155,867 | 2% | 103,110 | 2% | - | - | - | 5,897,451 |
| 2006–2015 | 3,914,858 | 37% | 2,862,935 | 28% | 1,243 | <1% | 400,124 | 4% | 289,668 | 3% | 3,032,218 | 29% | 13,563 | 10,514,610 |
| **Harvest** | | | | | | | | | | | | | | |
| Max. & year | 9,406,979 | 1998 | 3,517,702 | 2012 | 32,230 | 1984 | 1,054,265 | 2013 | 704,131 | 2015 | 4,889,605 | 2003 | 45,351 | 16,043,330 |
| Min. & year | 332,514 | 1969 | 208,918 | 1969 | 204 | 2002 | 1,702 | 1969 | 226 | 1973 | 1 | 1981 | 309 | 560,595 |

[a] Includes confiscations, commercial test fisheries, and sport derbies where fish were sold.

Table 10.–Southeast Alaska region estimated exvessel value, harvest, average weight, and price paid per pound by gear and species, 2016.

| Fishery | Chinook | Jacks | Sockeye | Coho | Pink | Chum | Total |
|---|---|---|---|---|---|---|---|
| Exvessel Value in Dollars[a] | | | | | | | |
| Purse Seine[b] | $1,117,928 | $254 | $4,863,413 | $664,066 | $13,807,806 | $16,043,828 | $36,497,295 |
| Drift Gillnet[b] | $927,401 | - | $4,860,244 | $2,618,035 | $1,041,060 | $12,747,800 | $22,194,539 |
| Setnet | $6,006 | - | $724,968 | $1,204,108 | $21,952 | $1,163 | $1,958,197 |
| Troll | $17,478,076 | - | $42,073 | $13,722,420 | $51,545 | $893,602 | $32,187,715 |
| Annette Island[c] | $66,226 | - | $141,984 | $356,365 | $1,341,658 | $2,111,541 | $4,017,774 |
| Hatchery Cost Recovery | $341,549 | $126 | $911,433 | $1,637,889 | $309,366 | $20,338,518 | $23,538,881 |
| Miscellaneous[d] | $82,826 | - | $24,690 | $22,968 | $30,628 | $190,139 | $351,251 |
| Total Exvessel Value | $20,020,013 | $379 | $11,568,805 | $20,225,851 | $16,604,015 | $52,326,590 | $120,745,653 |
| Number Harvested | | | | | | | |
| Purse Seine[b] | 27,368 | 195 | 610,598 | 257,091 | 15,393,318 | 3,109,269 | 19,397,839 |
| Drift Gillnet[b] | 20,700 | 1 | 622,390 | 263,968 | 1,152,890 | 2,679,235 | 4,739,184 |
| Setnet | 343 | - | 93,052 | 144,032 | 21,778 | 554 | 259,759 |
| Troll | 275,958 | 5 | 6,691 | 1,386,103 | 53,359 | 164,932 | 1,887,048 |
| Annette Island[b] | 1,731 | - | 22,185 | 45,823 | 1,418,243 | 395,716 | 1,883,698 |
| Hatchery Cost Recovery | 9,107 | 29 | 148,032 | 231,471 | 330,519 | 2,731,469 | 3,450,627 |
| Miscellaneous[d] | 1,364 | - | 3,094 | 2,779 | 30,265 | 36,425 | 73,927 |
| Total Harvested | 336,571 | 230 | 1,506,042 | 2,331,267 | 18,400,372 | 9,117,600 | 31,692,082 |
| Average Weight in Pounds[e] | | | | | | | |
| Purse Seine | 14.8 | 5 | 5.9 | 6.3 | 3.9 | 8.6 | |
| Drift Gillnet | 11.4 | 5 | 5.7 | 8.7 | 4.3 | 7.8 | |
| Setnet | 8.5 | - | 5.3 | 8.8 | 4.2 | 7.5 | |
| Troll | 10.4 | - | 4.8 | 6.6 | 4.2 | 8.6 | |
| Annette Island | 11.7 | - | 5 | 7.7 | 4.3 | 9.2 | |
| Hatchery Cost Recovery | 12.8 | 6.2 | 4.7 | 6.1 | 3.9 | 7.3 | |
| Miscellaneous[d] | 11.7 | - | 6 | 8.7 | 4.4 | 8.7 | |
| Estimated Average Exvessel Price per Pound[f] | | | | | | | |
| Purse Seine | $2.76 | $0.26 | $1.35 | $0.41 | $0.23 | $0.60 | |
| Drift Gillnet | $3.93 | - | $1.37 | $1.14 | $0.21 | $0.61 | |
| Setnet | $2.06 | - | $1.47 | $0.95 | $0.24 | $0.28 | |
| Troll | $6.09 | - | $1.31 | $1.50 | $0.23 | $0.63 | |
| Annette Island | $3.27 | - | $1.28 | $1.01 | $0.22 | $0.58 | |
| Hatchery Cost Recovery | $2.93 | $0.70 | $1.31 | $1.16 | $0.24 | $1.02 | |
| Miscellaneous | $5.19 | - | $1.33 | $0.95 | $0.23 | $0.60 | |

[a] Exvessel Value calculation = (Number caught) x (average weight) x (average exvessel price).

[b] In addition to adults, jack Chinook salmon <21 inches can be sold in the purse seine fishery, and salmon <28 inches can be sold in the drift gillnet fishery.

[c] Annette Island Reserve includes purse seine, drift gillnet, and hand and power troll gear types.

[d] Includes confiscations, commercial test fisheries, and sport derbies where fish were sold.

[e] Average weight = (Total pounds for all fish tickets (where pounds>0))/(total number of fish for all tickets (where number>0)).

[f] Average price = (Total value for all fish tickets (where value>0))/(total pounds for all fish tickets (where pounds>0)).

Table 11.–Southeast Alaska Region salmon exvessel value estimates from CFEC (1975–2015) and fish ticket (2016) data, by gear group, 1975–2016.

| Year | Purse Seine | Drift Gillnet | Set Gillnet | Troll | Total |
|---|---|---|---|---|---|
| 1975 | $6,097,904 | $4,144,342 | $617,769 | $4,580,578 | $15,440,593 |
| 1976 | $11,064,253 | $8,605,228 | $1,266,918 | $9,960,934 | $30,897,333 |
| 1977 | $24,528,760 | $11,849,486 | $2,165,108 | $15,355,560 | $53,898,914 |
| 1978 | $27,664,646 | $9,750,459 | $2,588,725 | $23,142,387 | $63,146,217 |
| 1979 | $19,632,769 | $11,434,552 | $3,022,174 | $27,876,636 | $61,966,131 |
| 1980 | $29,487,986 | $9,388,349 | $2,272,641 | $16,404,446 | $57,553,422 |
| 1981 | $36,786,344 | $9,393,150 | $2,631,179 | $19,708,310 | $68,518,983 |
| 1982 | $28,147,770 | $10,423,447 | $2,220,866 | $24,414,056 | $65,206,139 |
| 1983 | $33,292,294 | $7,602,633 | $1,200,401 | $15,975,186 | $58,070,514 |
| 1984 | $35,000,066 | $13,498,190 | $2,305,102 | $26,602,196 | $77,405,554 |
| 1985 | $52,018,934 | $17,083,901 | $2,777,108 | $25,009,669 | $96,889,612 |
| 1986 | $53,893,815 | $14,585,793 | $2,044,606 | $28,074,767 | $98,598,981 |
| 1987 | $22,739,529 | $19,227,191 | $4,587,640 | $25,368,212 | $71,922,572 |
| 1988 | $53,314,374 | $32,342,986 | $8,703,413 | $29,827,740 | $124,188,513 |
| 1989 | $91,241,060 | $20,578,737 | $4,217,986 | $23,526,234 | $139,564,017 |
| 1990 | $44,821,503 | $16,439,366 | $4,560,978 | $31,101,694 | $96,923,541 |
| 1991 | $36,071,105 | $12,037,061 | $2,330,261 | $25,162,099 | $75,600,526 |
| 1992 | $51,054,882 | $20,850,361 | $5,320,994 | $29,351,980 | $106,578,217 |
| 1993 | $52,894,318 | $15,904,271 | $3,000,832 | $26,642,558 | $98,441,979 |
| 1994 | $61,164,567 | $17,207,769 | $3,653,893 | $38,943,302 | $120,969,531 |
| 1995 | $55,806,812 | $16,899,040 | $2,479,193 | $16,673,792 | $91,858,837 |
| 1996 | $42,813,455 | $14,430,995 | $2,406,670 | $16,394,667 | $76,045,787 |
| 1997 | $40,813,997 | $11,143,699 | $3,216,870 | $18,853,651 | $74,028,217 |
| 1998 | $45,509,746 | $11,345,286 | $1,416,481 | $14,974,147 | $73,245,660 |
| 1999 | $56,402,089 | $11,489,118 | $2,324,296 | $20,442,587 | $90,658,090 |
| 2000 | $38,060,764 | $10,940,909 | $1,491,218 | $14,786,178 | $65,279,069 |
| 2001 | $48,742,800 | $11,316,836 | $1,134,695 | $17,191,517 | $78,385,848 |
| 2002 | $20,244,170 | $8,132,853 | $741,392 | $13,164,474 | $42,282,889 |
| 2003 | $26,705,739 | $8,903,210 | $1,140,130 | $14,812,555 | $51,561,634 |
| 2004 | $31,672,452 | $11,778,867 | $1,629,266 | $29,016,910 | $74,097,495 |
| 2005 | $36,073,649 | $12,753,519 | $926,824 | $26,770,816 | $76,524,808 |
| 2006 | $27,536,028 | $20,007,955 | $1,724,122 | $34,645,633 | $83,913,738 |
| 2007 | $49,646,050 | $15,081,267 | $2,516,647 | $30,985,116 | $98,229,080 |
| 2008 | $40,986,039 | $24,209,429 | $1,657,225 | $36,566,992 | $103,419,685 |
| 2009 | $48,417,377 | $18,578,453 | $1,681,645 | $22,942,077 | $91,619,552 |
| 2010 | $56,238,100 | $26,618,998 | $2,157,567 | $31,945,182 | $116,959,847 |
| 2011 | $122,177,082 | $31,126,506 | $2,311,802 | $32,413,206 | $188,028,596 |
| 2012 | $73,082,389 | $37,475,213 | $1,536,822 | $29,855,484 | $141,949,908 |
| 2013 | $154,063,995 | $29,456,345 | $3,018,685 | $41,312,132 | $227,851,157 |
| 2014 | $58,358,331 | $28,379,708 | $2,117,427 | $46,554,302 | $135,409,768 |
| 2015 | $55,228,071 | $20,621,205 | $1,324,121 | $25,793,745 | $102,967,142 |
| 2016[a] | $36,497,295 | $22,194,539 | $1,958,197 | $32,187,715 | $92,837,746 |
| Average 2006–2015 | $68,573,346 | $25,155,508 | $2,004,606 | $33,301,387 | $129,034,847 |

[a] Exvessel value estimates for 2016 are preliminary.

Table 12.–Southeast Alaska reported subsistence and personal use salmon harvest, by species, and number of permits issued, from 1985 to 2016.

| | Permits | | | Number of Salmon Harvested | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Year[a] | Issued | Returned | Fished[b] | Chinook | Sockeye | Coho | Pink | Chum | Total |
| 1985 | 3,012 | 0 | 1,271 | 19 | 20,006 | 360 | 2,136 | 2,951 | 25,472 |
| 1986 | 2,777 | 0 | 1,353 | 29 | 21,974 | 277 | 971 | 2,840 | 26,091 |
| 1987 | 2,678 | 0 | 1,322 | 34 | 25,430 | 117 | 1,491 | 3,881 | 30,953 |
| 1988 | 2,821 | 0 | 998 | 94 | 20,011 | 97 | 1,145 | 3,013 | 24,360 |
| 1989 | 3,102 | 0 | 1,369 | 221 | 29,237 | 513 | 3,472 | 3,086 | 36,529 |
| 1990 | 3,142 | 0 | 1,428 | 163 | 33,114 | 806 | 3,715 | 3,436 | 41,234 |
| 1991 | 3,447 | 0 | 1,493 | 201 | 37,369 | 655 | 1,829 | 3,358 | 43,412 |
| 1992 | 3,331 | 0 | 1,691 | 65 | 47,630 | 1,294 | 2,905 | 3,189 | 55,083 |
| 1993 | 3,731 | 0 | 1,939 | 88 | 51,099 | 1,252 | 2,147 | 2,582 | 57,168 |
| 1994 | 3,933 | 0 | 2,057 | 100 | 52,491 | 1,438 | 3,607 | 4,109 | 61,745 |
| 1995 | 3,837 | 0 | 1,837 | 131 | 41,643 | 1,693 | 3,170 | 3,340 | 49,977 |
| 1996[c] | 4,047 | 3,226 | 1,996 | 144 | 51,290 | 1,123 | 2,341 | 4,112 | 59,010 |
| 1997 | 4,082 | 3,406 | 2,031 | 64 | 45,333 | 946 | 3,268 | 3,611 | 53,222 |
| 1998 | 4,131 | 3,513 | 2,185 | 152 | 49,709 | 1,254 | 3,161 | 5,042 | 59,318 |
| 1999 | 4,186 | 3,598 | 2,173 | 372 | 45,604 | 789 | 2,736 | 4,356 | 53,857 |
| 2000 | 3,633 | 3,069 | 1,838 | 292 | 41,786 | 745 | 2,055 | 2,954 | 47,832 |
| 2001 | 3,470 | 3,002 | 1,776 | 386 | 44,188 | 1,071 | 3,671 | 3,298 | 52,614 |
| 2002 | 3,204 | 2,662 | 1,673 | 428 | 44,251 | 1,245 | 2,620 | 1,833 | 50,377 |
| 2003 | 3,469 | 2,844 | 1,881 | 243 | 52,506 | 1,222 | 3,061 | 3,205 | 60,237 |
| 2004 | 3,565 | 3,186 | 1,994 | 352 | 49,979 | 1,308 | 2,788 | 2,722 | 57,149 |
| 2005 | 3,200 | 2,704 | 1,486 | 189 | 31,428 | 1,183 | 4,362 | 1,631 | 38,793 |
| 2006 | 3,279 | 2,700 | 1,667 | 415 | 42,914 | 961 | 2,960 | 1,518 | 48,768 |
| 2007 | 3,039 | 2,716 | 1,530 | 216 | 32,697 | 663 | 2,288 | 625 | 36,489 |
| 2008 | 3,032 | 2,728 | 1,459 | 171 | 33,592 | 2,452 | 1,591 | 1,319 | 39,125 |
| 2009 | 3,294 | 3,015 | 1,776 | 169 | 39,915 | 1,964 | 3,042 | 1,712 | 46,802 |
| 2010 | 3,406 | 3,051 | 1,745 | 866 | 38,369 | 2,379 | 2,950 | 721 | 45,285 |
| 2011 | 3,147 | 2,792 | 1,550 | 393 | 32,776 | 1,738 | 4,992 | 1,060 | 40,959 |
| 2012 | 3,106 | 2,734 | 1,682 | 364 | 39,124 | 1,681 | 2,257 | 1,026 | 44,452 |
| 2013 | 3,288 | 2,924 | 1,772 | 249 | 38,143 | 2,438 | 3,090 | 1,189 | 45,109 |
| 2014 | 3,163 | 2,797 | 1,667 | 264 | 33,185 | 1,969 | 1,940 | 782 | 38,140 |
| 2015 | 2,888 | 2,435 | 1,392 | 87 | 26,890 | 1,582 | 4,109 | 960 | 33,627 |
| 2016[d] | 2,911 | 1,830 | 1261 | 87 | 28,594 | 1,434 | 2,294 | 1,152 | 33,561 |
| Averages | | | | | | | | | |
| 1985–2015 | 3,369 | 1,907 | 1,678 | 225 | 38,506 | 1,200 | 2,770 | 2,563 | 45,264 |
| 2006–2015 | 3,164 | 2,789 | 1,624 | 319 | 35,761 | 1,783 | 2,922 | 1,091 | 41,876 |

*Note*: Data presented in this table are for Southeast Alaska only and exclude the Yakutat area.

[a] Prior to 1985, the numbers of permits issued and returned were not recorded.

[b] Number of permits fished is estimated from permit data.

[c] Prior to 1996, the numbers of permits issued and returned are not as reliable due to data entry omissions (if a permit had zero harvest it was not recorded as a returned permit).

[d] Data for 2016 are preliminary because only 63% of permits have been returned at the time of writing. Permits will continue to be returned and entered through next season. Over the past 10 years, 88% of permits were returned on average.

Table 13.–Yakutat Area reported subsistence salmon harvest, by species, and number of permits issued, from 1989 to 2016.

| | Permits | | | Number of Salmon Harvested | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Year[a] | Issued | Returned | Fished | Chinook | Sockeye | Coho | Pink | Chum | Total |
| 1989 | 153 | 0 | 87 | 359 | 3,494 | 880 | 221 | 51 | 5,005 |
| 1990 | 128 | 0 | 74 | 361 | 3,332 | 809 | 35 | 2 | 4,539 |
| 1991 | 134 | 0 | 27 | 61 | 896 | 213 | 1 | 0 | 1,171 |
| 1992 | 139 | 0 | 109 | 549 | 5,469 | 3,645 | 37 | 12 | 9,712 |
| 1993 | 130 | 0 | 105 | 449 | 5,073 | 2,263 | 6 | 1 | 7,792 |
| 1994 | 137 | 0 | 101 | 700 | 4,586 | 2,169 | 32 | 102 | 7,589 |
| 1995 | 138 | 0 | 94 | 1,070 | 3,419 | 2,007 | 45 | 21 | 6,562 |
| 1996[b] | 124 | 116 | 89 | 934 | 3,666 | 1,359 | 96 | 31 | 6,086 |
| 1997 | 129 | 123 | 89 | 675 | 3,428 | 1,368 | 86 | 6 | 5,563 |
| 1998 | 141 | 140 | 111 | 899 | 3,951 | 1,589 | 200 | 0 | 6,639 |
| 1999 | 122 | 118 | 89 | 938 | 3,905 | 959 | 107 | 0 | 5,909 |
| 2000 | 138 | 130 | 109 | 963 | 4,250 | 1,163 | 149 | 27 | 6,552 |
| 2001 | 139 | 120 | 102 | 880 | 4,119 | 1,626 | 91 | 10 | 6,726 |
| 2002 | 124 | 123 | 98 | 1,395 | 4,334 | 1,836 | 187 | 13 | 7,765 |
| 2003 | 128 | 112 | 87 | 1,103 | 3,488 | 1,281 | 137 | 1 | 6,010 |
| 2004 | 138 | 108 | 87 | 936 | 4,078 | 801 | 45 | 26 | 5,886 |
| 2005 | 115 | 95 | 66 | 552 | 2,649 | 756 | 77 | 5 | 4,039 |
| 2006 | 127 | 110 | 90 | 823 | 3,540 | 659 | 90 | 6 | 5,118 |
| 2007 | 121 | 88 | 78 | 594 | 4,152 | 507 | 125 | 3 | 5,381 |
| 2008 | 122 | 97 | 81 | 711 | 2,791 | 736 | 131 | 6 | 4,375 |
| 2009 | 133 | 108 | 92 | 807 | 4,082 | 1,178 | 51 | 4 | 6,122 |
| 2010 | 148 | 118 | 87 | 422 | 4,430 | 672 | 237 | 80 | 5,841 |
| 2011 | 169 | 127 | 97 | 374 | 3,822 | 887 | 116 | 1 | 5,200 |
| 2012 | 164 | 130 | 93 | 326 | 4,859 | 1,020 | 155 | 16 | 6,376 |
| 2013 | 153 | 127 | 97 | 515 | 4,370 | 686 | 4 | 26 | 5,601 |
| 2014 | 156 | 123 | 93 | 505 | 4,807 | 779 | 101 | 36 | 6,228 |
| 2015 | 137 | 129 | 93 | 307 | 4,077 | 933 | 156 | 8 | 5,481 |
| 2016[c] | 127 | 29 | 31 | 48 | 1,150 | 175 | 1 | 0 | 1,374 |
| Averages | | | | | | | | | |
| 1989–2015 | 137 | 87 | 90 | 674 | 3,891 | 1,214 | 101 | 18 | 5,899 |
| 2006–2015 | 143 | 116 | 90 | 538 | 4,093 | 806 | 117 | 19 | 5,572 |

[a] Prior to 1989, the numbers of permits issued and returned were not recorded.

[b] Prior to 1996, the numbers of permits issued and returned are not as reliable due to data entry omissions (if a permit had zero harvest it was not record as a returned permit).

[c] Data for 2016 are preliminary because only 23% of permits have been returned. Permits will continue to be returned and entered through next season. Over the past 10 years, 81% of permits were returned on average.

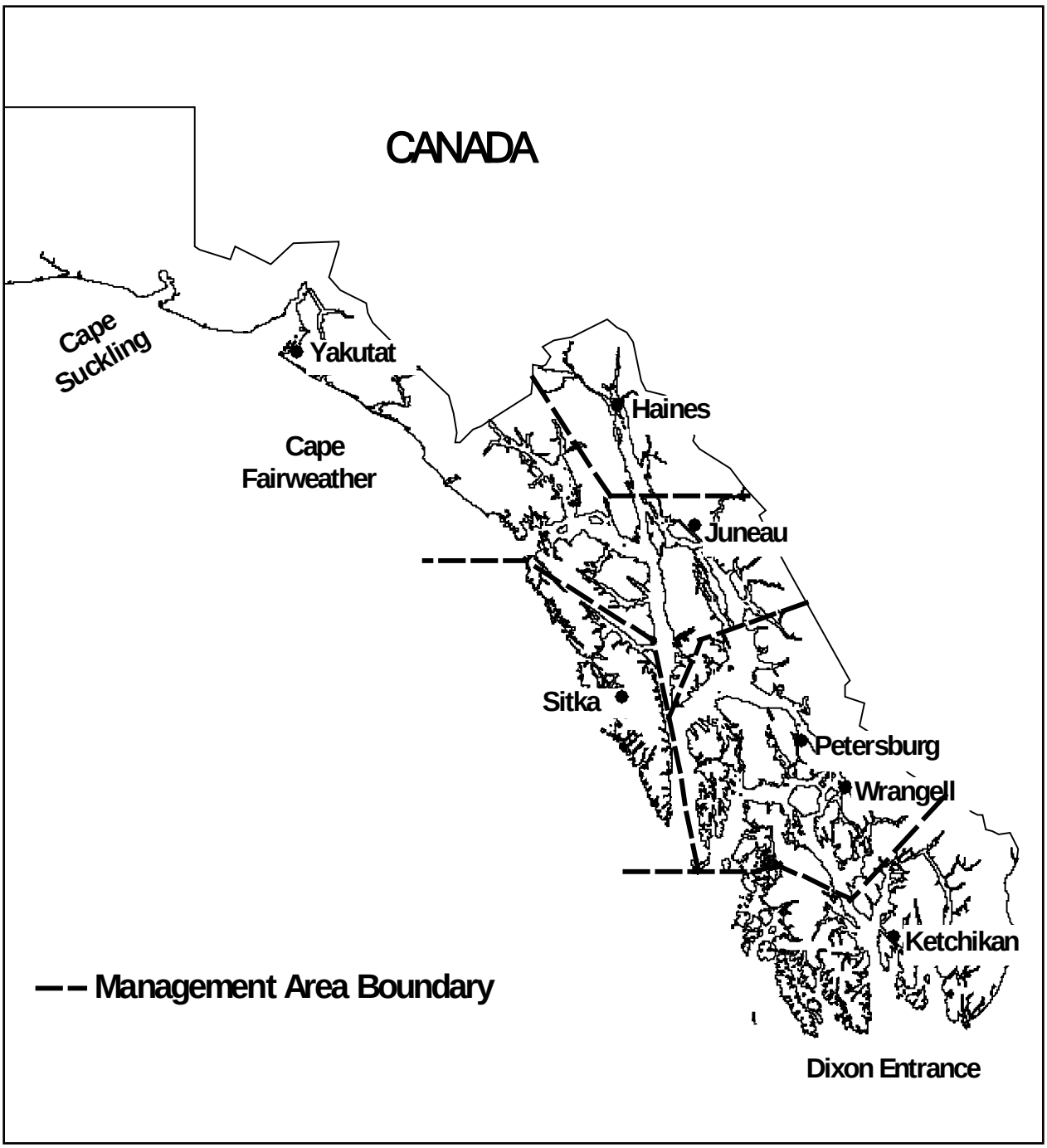


Figure 1.–The Southeast Alaska/Yakutat Region (Region I) consists of Alaska waters between Cape Suckling on the north and Dixon Entrance on the south. Troll fisheries are managed regionally, and drift gillnet, setnet, and purse seine fisheries are managed by area offices in Ketchikan, Petersburg/Wrangell, Sitka, Juneau, Haines, and Yakutat.

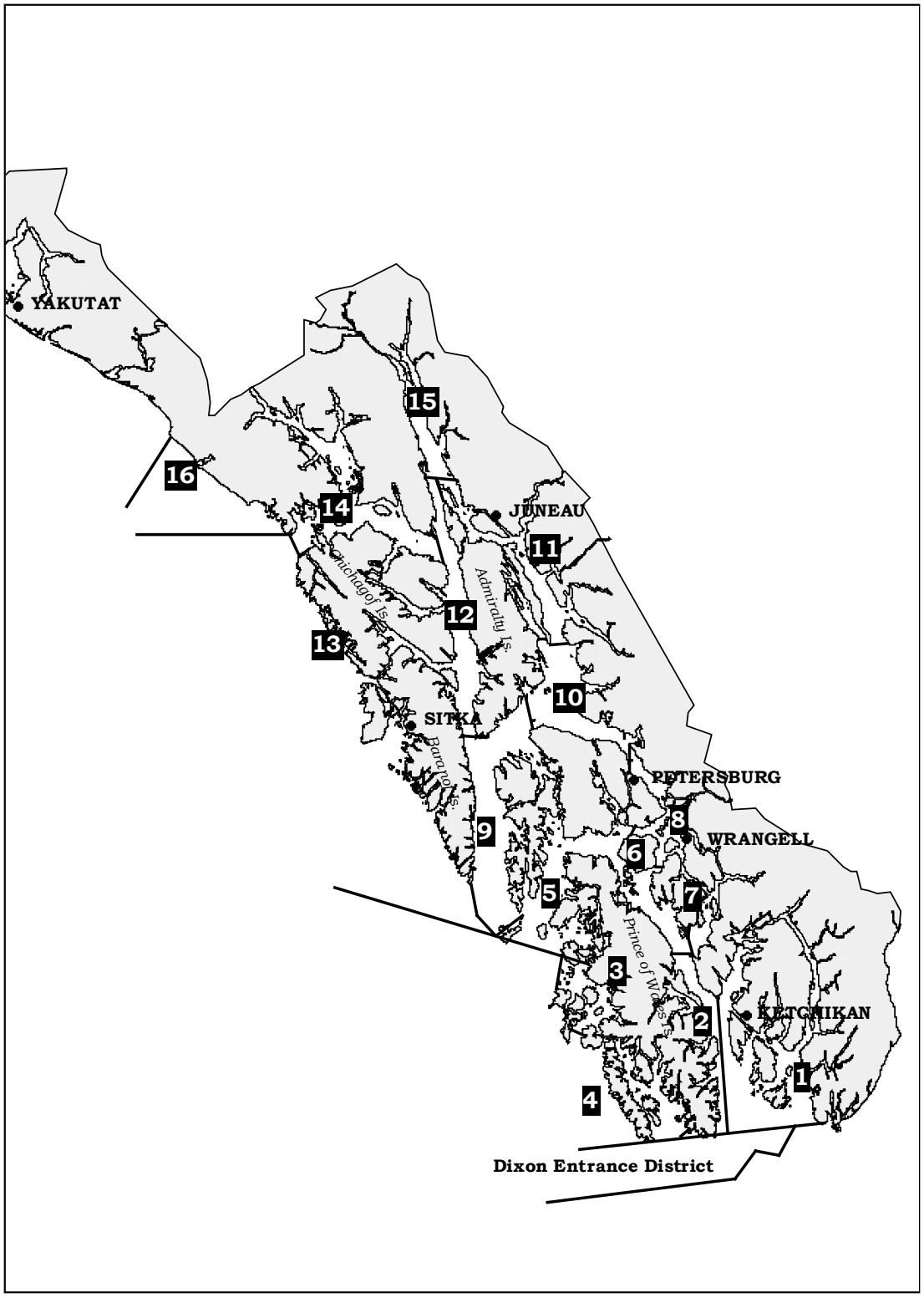


Figure 2.–Boundaries for regulatory Districts 1 to 16, as well as Dixon Entrance District, within Southeast Alaska.

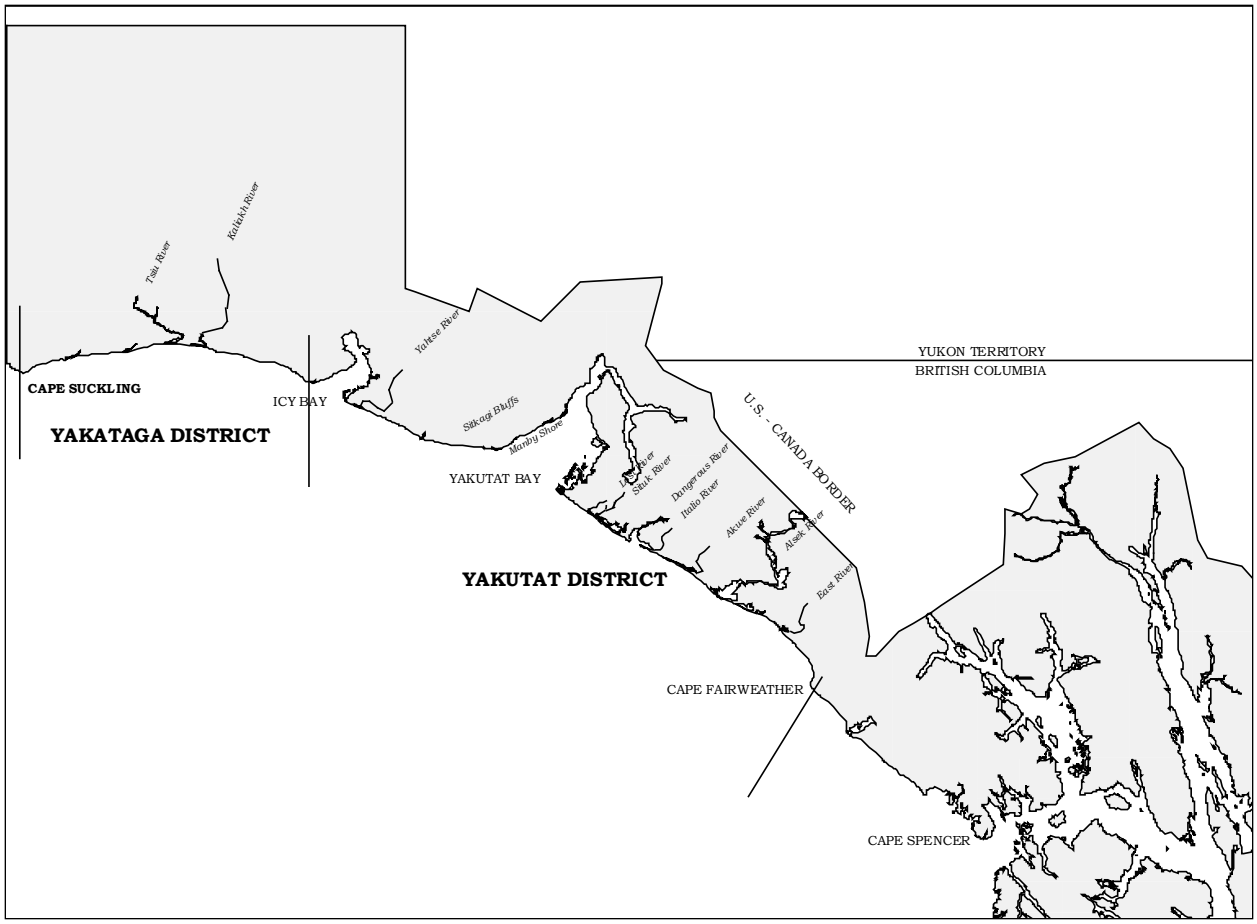


Figure 3.–Boundaries for Yakutat and Yakataga regulatory Districts within the Yakutat management area (Registration Area D).

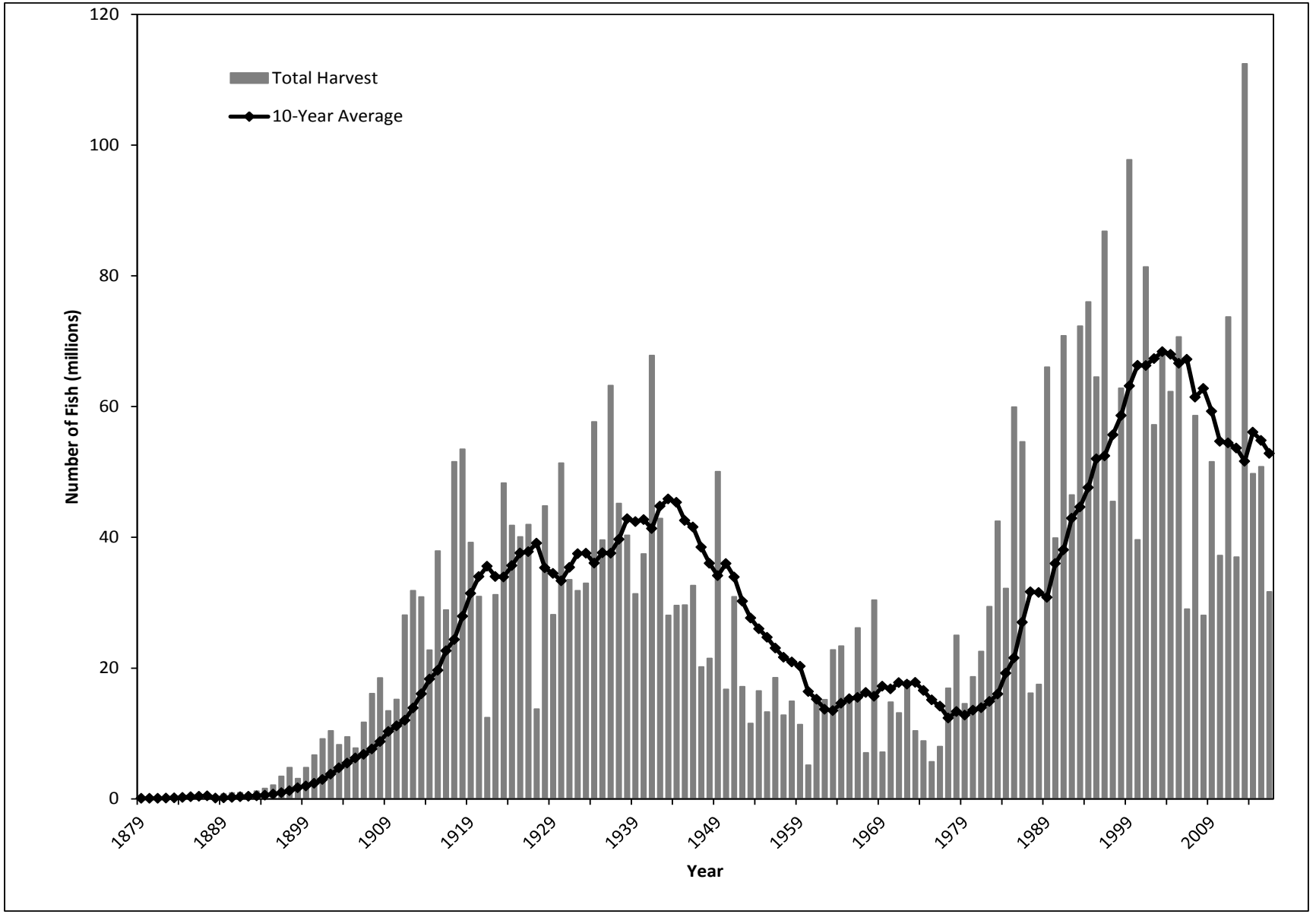


Figure 4.–Region I (Southeast Alaska and Yakutat) historical salmon harvest and recent 10-year average harvest, from 1878 to 2016.

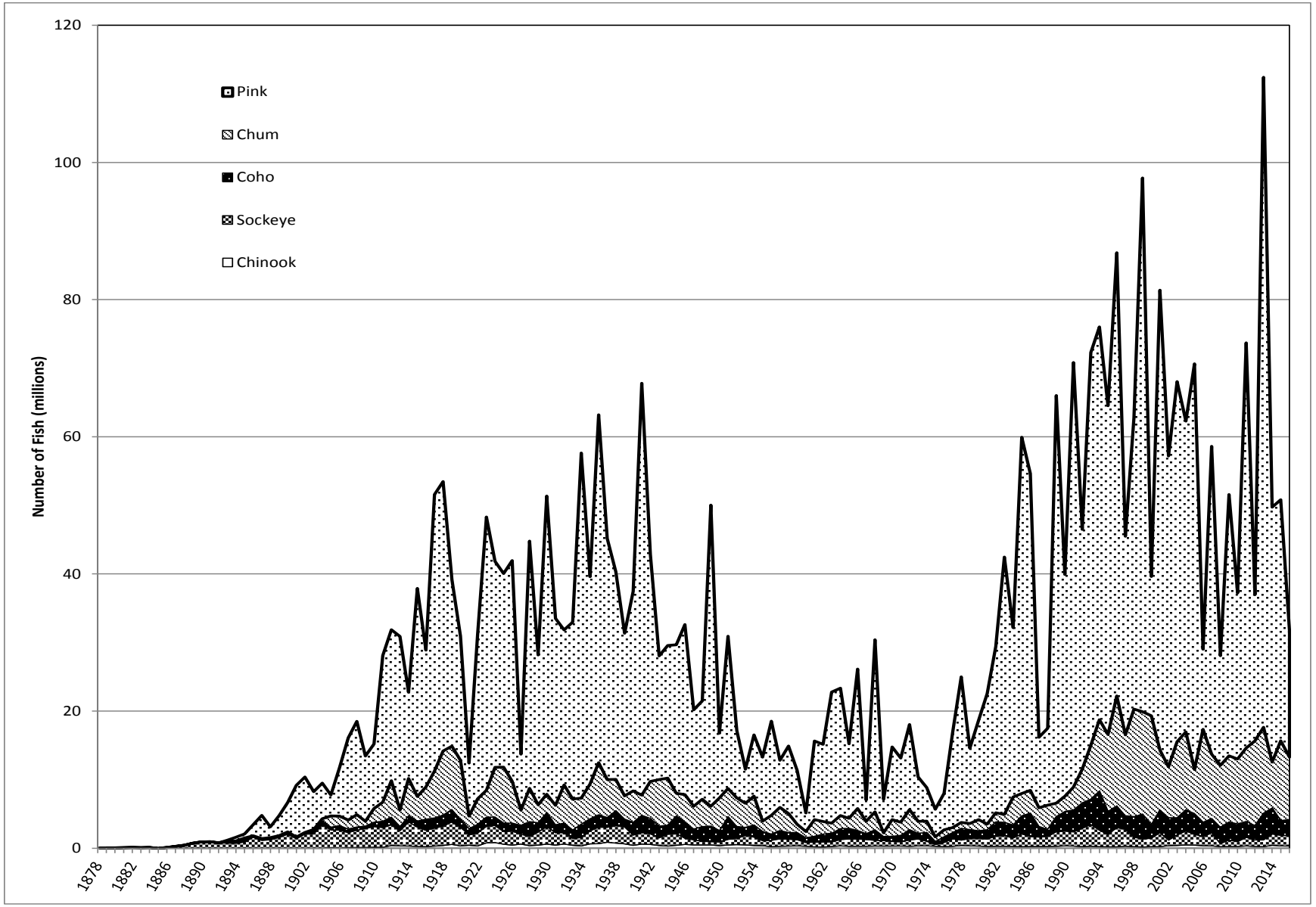


Figure 5.–Region I (Southeast Alaska and Yakutat) historical salmon harvest by species and season, 1878 to 2016.

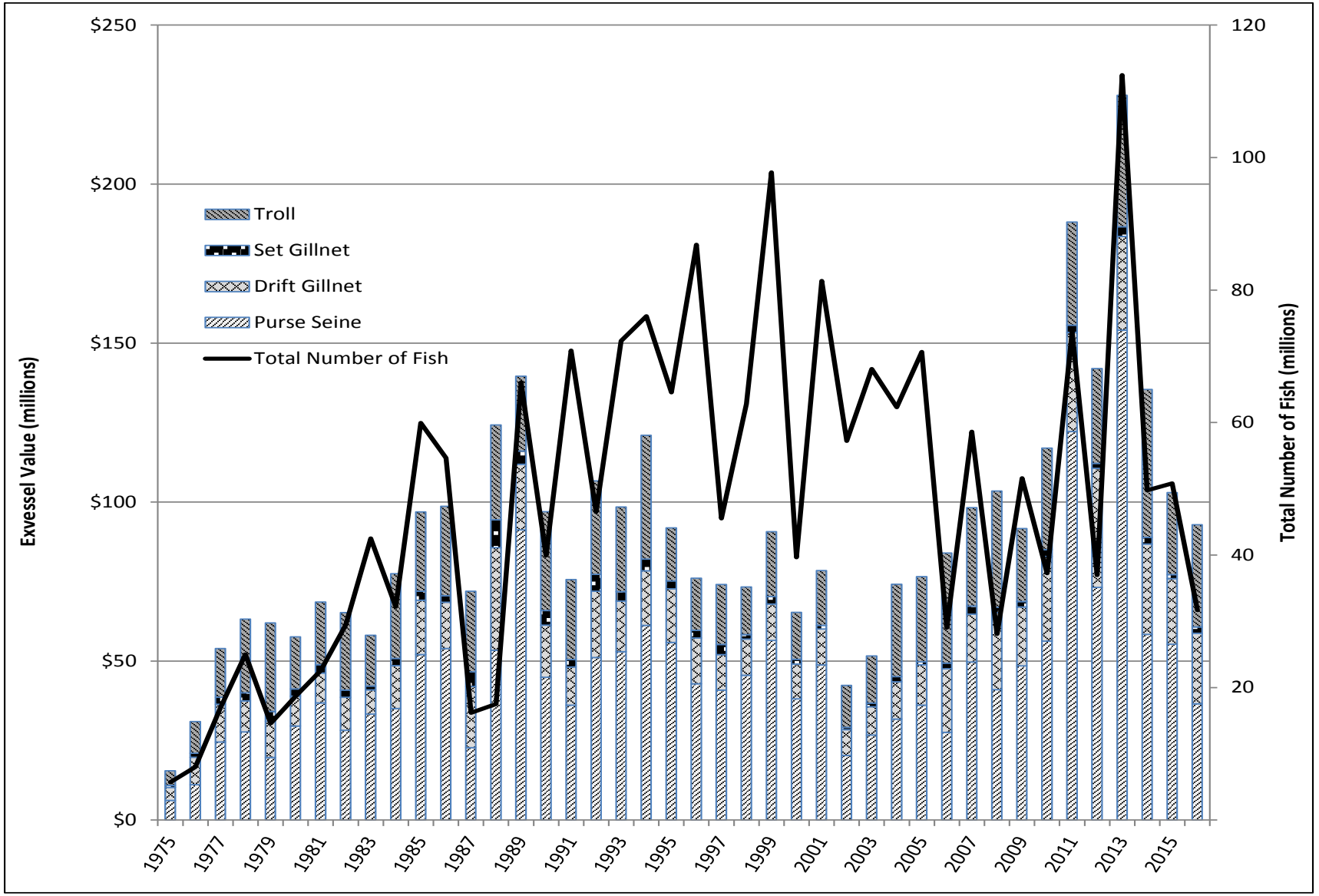


Figure 6.–Total commercial exvessel value by gear type and season from CFEC (1975–2015) and fish ticket (2016) data, and number of salmon harvested by season, 1975 to 2016.

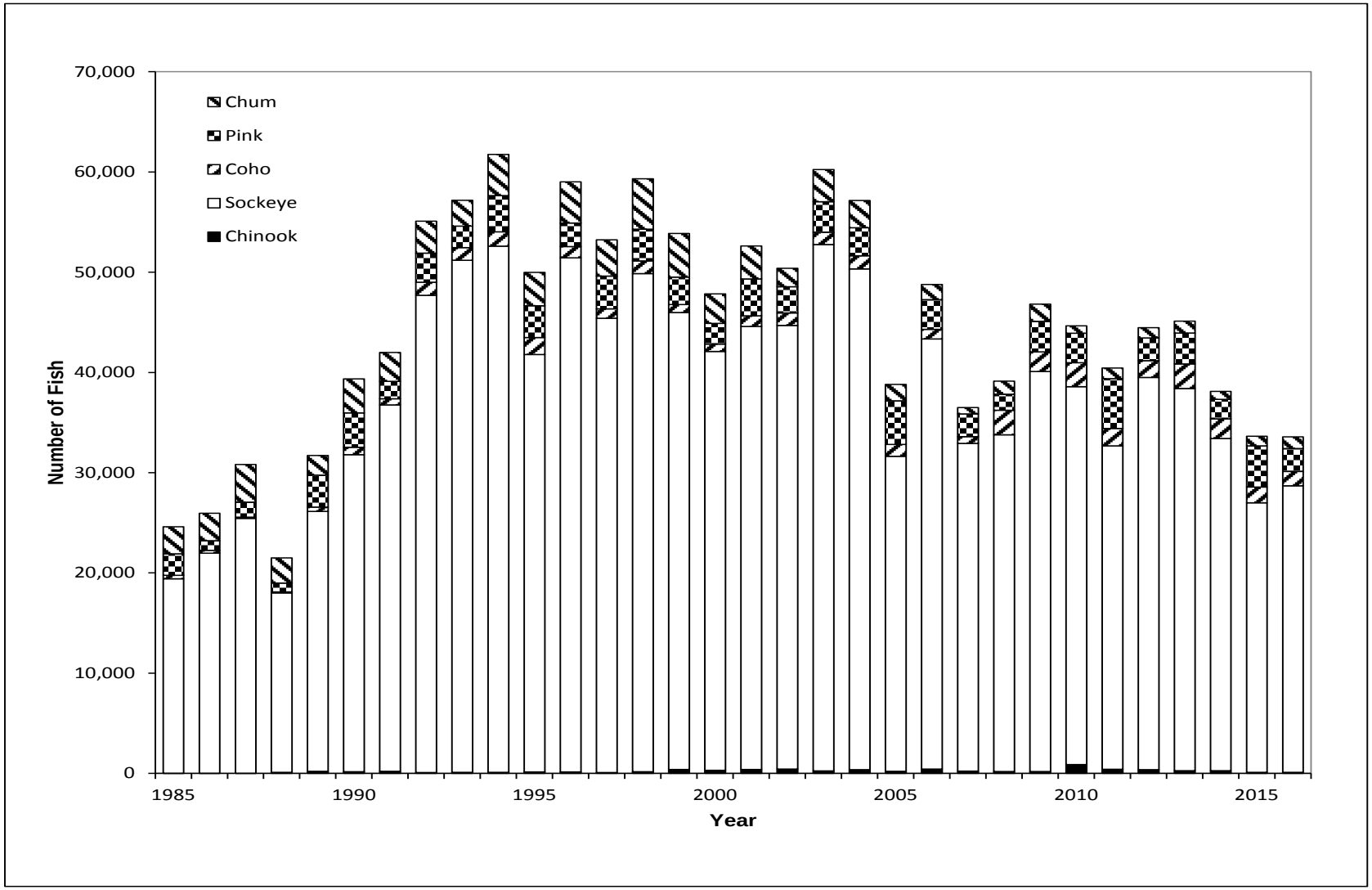


Figure 7.–Number of fish harvested in the subsistence/personal use fishery, by species, for Southeast Alaska, 1985 to 2016.

*Note*: Harvest information for 2016 is preliminary because only 63% of permits had been returned at time of reporting.

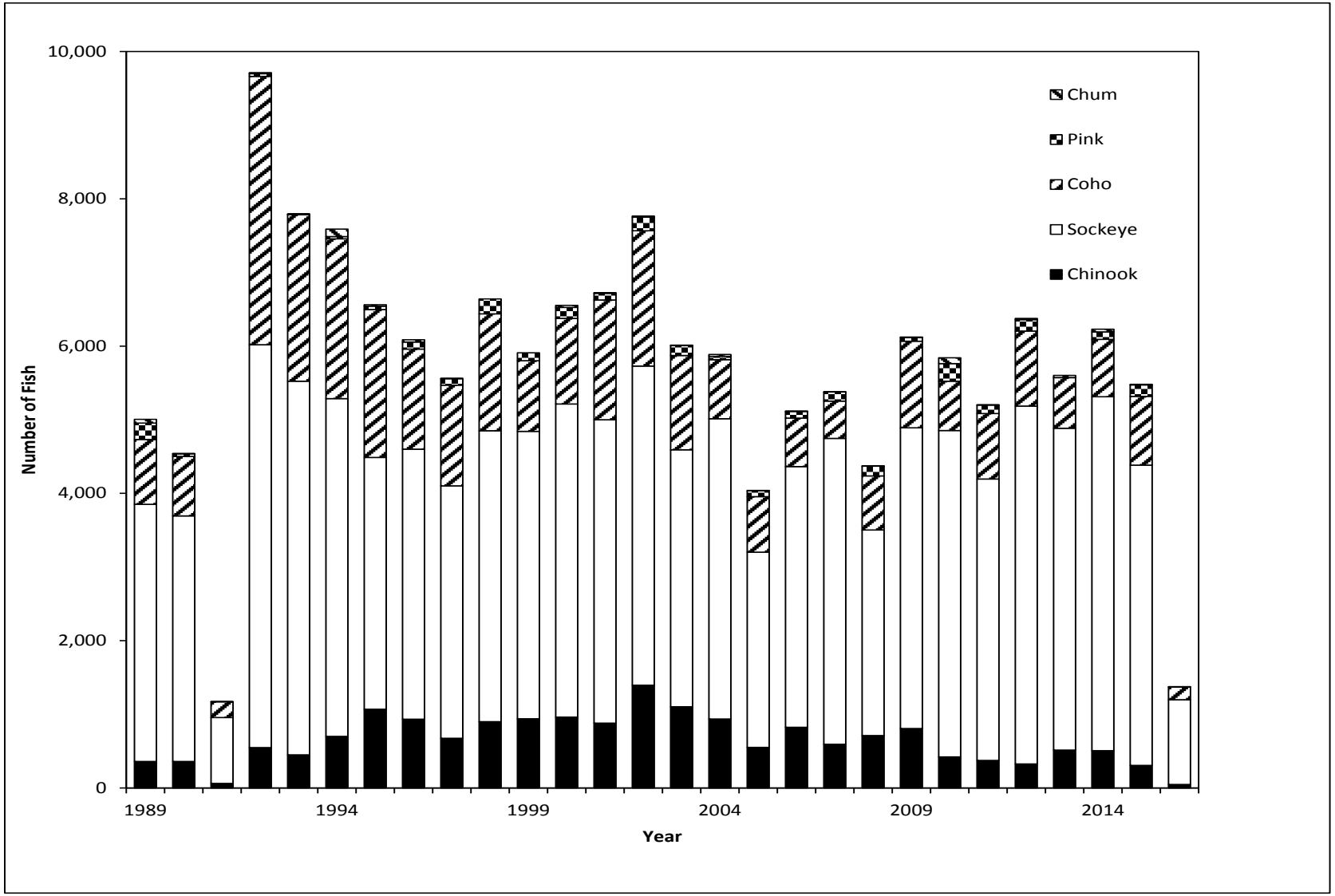


Figure 8.–Number of fish harvested, by species, in the Yakutat subsistence/personal use fishery, 1989 to 2016.

*Note*: Harvest information for 2016 is preliminary because only 23% of permits had been returned at time of reporting.