

# **Overview of the 2011 Southeast Alaska and Yakutat Commercial, Personal Use, and Subsistence Salmon Fisheries**

**By**

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**December 2011**

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**Alaska Department of Fish and Game**

**Divisions of Sport Fish and Commercial Fisheries**



## Symbols and Abbreviations

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Weights and measures (metric)		General		Mathematics, statistics		
centimeter	cm	Alaska Administrative Code	AAC	all standard mathematical signs, symbols and abbreviations		
deciliter	dL	all commonly accepted abbreviations	e.g., Mr., Mrs., AM, PM, etc.	alternate hypothesis	H <sub>A</sub>	
gram	g	all commonly accepted professional titles	e.g., Dr., Ph.D., R.N., etc.	base of natural logarithm	<i>e</i>	
hectare	ha			catch per unit effort	CPUE	
kilogram	kg	at	@	coefficient of variation	CV	
kilometer	km			common test statistics	(F, t, $\chi^2$ , etc.)	
liter	L	compass directions:		confidence interval	CI	
meter	m	east	E	correlation coefficient (multiple)	R	
milliliter	mL	north	N	correlation coefficient (simple)	r	
millimeter	mm	south	S	covariance	cov	
Weights and measures (English)		west	W	degree (angular )	°	
	cubic feet per second	ft <sup>3</sup> /s	copyright	©	degrees of freedom	df
	foot	ft	corporate suffixes:		expected value	<i>E</i>
	gallon	gal	Company	Co.	greater than	>
	inch	in	Corporation	Corp.	greater than or equal to	≥
	mile	mi	Incorporated	Inc.	harvest per unit effort	HPUE
	nautical mile	nmi	Limited	Ltd.	less than	<
	ounce	oz	District of Columbia	D.C.	less than or equal to	≤
	pound	lb	et alii (and others)	et al.	logarithm (natural)	ln
	quart	qt	et cetera (and so forth)	etc.	logarithm (base 10)	log
yard	yd	exempli gratia (for example)	e.g.	logarithm (specify base)	log <sub>2</sub> , etc.	
Time and temperature		et cetera (and so forth)		minute (angular)	'	
	day	d	id est (that is)	i.e.	not significant	NS
	degrees Celsius	°C	latitude or longitude	lat. or long.	null hypothesis	H <sub>0</sub>
	degrees Fahrenheit	°F	monetary symbols (U.S.)	\$, ¢	percent	%
	degrees kelvin	K	months (tables and figures): first three letters	Jan.,...,Dec	probability	P
	hour	h	registered trademark	®	probability of a type I error (rejection of the null hypothesis when true)	$\alpha$
	minute	min	trademark	™	probability of a type II error (acceptance of the null hypothesis when false)	$\beta$
	second	s	United States (adjective)	U.S.	second (angular)	"
	Physics and chemistry		United States of America (noun)	USA	standard deviation	SD
		all atomic symbols		U.S.C.	standard error	SE
alternating current		AC	U.S. state	variance		
ampere		A		population sample	Var	
calorie		cal			var	
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					

***FISHERY MANAGEMENT REPORT NO. 11-72***

**OVERVIEW OF THE 2011 SOUTHEAST ALASKA AND YAKUTAT  
COMMERCIAL, PERSONAL USE, AND SUBSISTENCE SALMON  
FISHERIES**

by

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## ABSTRACT

Southeast Alaska and Yakutat commercial, personal use, and subsistence salmon fisheries are summarized for the 2011 season. Historic harvests are provided for comparison. Total commercial harvest in 2011 was 73.6 million salmon with an initially estimated exvessel record value of \$200 million. Harvest by species in 2011 included 339,000 large Chinook (*Oncorhynchus tshawytscha*), 1.2 million sockeye (*O. nerka*), 2.3 million coho (*O. kisutch*), 59.1 million pink (*O. gorbuscha*), and 10.7 million chum salmon (*O. keta*). In the purse seine fishery 270 permit holders harvested 58.8 million salmon, including 55.2 million pink and 2.7 million chum salmon. In the drift gillnet fishery 443 permit holders harvested 5.2 million salmon, including: 2.8 million chum, 1.6 million pink, 518,000 sockeye, 238,000 coho, and 27,000 large Chinook salmon. In the troll fishery 749 power troll and 345 hand troll permit holders (1,094 total fishermen) harvested 242,000 Chinook, 1.3 million coho, and 703,000 chum salmon. In the set gillnet fishery 121 permit holders harvested 168,000 sockeye and 126,000 coho salmon. Hatchery organizations harvested a total of 5.1 million salmon for cost recovery, including 4.1 million chum salmon. In the 2011 personal use and subsistence fisheries, 3,308 household permits were issued in Southeast Alaska and Yakutat combined. Harvest reporting for 2011 is incomplete, and reported harvest for 2010 with 86% of permits returned is about 50,000 salmon.

**Key words:** Southeast Alaska, Yakutat, 2011 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 for the 2011 season. Separate annual management reports are issued which provide detailed summaries of the 2011 Southeast and Yakutat Salmon Troll Fishery, the 2011 Yakutat Area Commercial Setnet Fishery, and the 2011 Southeast Alaska Purse Seine and Drift Gillnet Fisheries.

In the Southeast Alaska/Yakutat Region 73.6 million salmon were commercially harvested in 2011 (Table 1). A total of 1,928 permit holders participated in the common property commercial salmon season in 2011, 4.0% more than 2010 effort levels (Table 2). Most commercial salmon fisheries have been under a program of limited entry since 1975, and limited entry hand troll permits were first issued in 1982. Salmon harvests by gear type for 2011 included 58.8 million by purse seine, 5.2 million by drift gillnet, 0.5 million by setnet, and 2.8 million by hand and power troll (Table 3). Additional commercial harvests included 5.1 million salmon for private non-profit hatchery cost recovery and 1.2 million salmon within the Annette Island Reservation. The total exvessel value of the commercial salmon harvest is estimated at \$200 million dollars.

For the 2011 subsistence and personal use fisheries only 52% of the 3,308 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 2010 is 50,243 fish, of which 84% were sockeye salmon (*Oncorhynchus nerka*).

## SOUTHEAST ALASKA/YAKUTAT REGION

Fisheries management in the State of Alaska is divided between four large geographical regions including 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 2 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 sub-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 6 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 and regional management biologists and their staff. There are 6 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), miscellaneous shellfish dive fisheries, and the subsistence/personal use fisheries in their respective areas. 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 which specify how that season's fishery will be managed along with 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 department issued news releases which are widely distributed. 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.

## **2011 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 comprised 71% 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 somewhat, but in the early 1970s, another decline in production occurred. From the mid-1970s through the mid-2000s salmon harvests in Region I increased with record harvests of Chinook (2004), sockeye (1993), coho (1994), pink (1999), and chum salmon (1996) occurring in recent years (Table 1). Within the most recent decade harvests have



fluctuated downward, in large part due to a run failure of even-year pink salmon that began in 2006. The overall salmon harvest in 2011, on the odd-year pink salmon cycle, was strong.

Recent historical salmon harvests since 1980, and average harvests since around the time of Alaska statehood, 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 comparing the recent 10-year average (2001–2010), or the long-term average since 1962. The exception is that private hatchery cost recovery harvests, which began around 1980, now account for a significant proportion of overall harvests. Recent 10-year average harvests in percentages by gear type include: 75% by purse seine, 8% by drift gillnet, 9% by hatchery organizations, 4% by troll, and 0 to 3% by other categories. In 2011 harvests of 73.6 million salmon ranked as the 5<sup>th</sup> highest since statehood—due to a large pink salmon return and including an above average chum salmon return.

Chinook salmon harvest levels have been relatively consistent compared with other species, and today are based on 3 components: (1) the all-gear Pacific Salmon Treaty harvest ceiling derived from coastwide abundance forecasts; (2) directed fisheries on surplus returns to the Stikine and/or Taku rivers, based on forecasts and harvest sharing agreements through the Pacific Salmon Treaty; and (3) production from Alaska enhancement programs. The average harvest since 1962 has been 300,000 (Table 5). During a recent 6-year period from 2002 to 2007, Chinook salmon harvests averaged 411,451—37% above the long-term average. The 2011 Chinook harvest of 346,000 was above the long-term average harvest and near the recent 10-year average harvest that includes this series of high years. The 2011 all-gear Chinook quota for treaty fish was set at 294,800 fish including: 218,060 for troll fisheries, 12,676 for purse seine fisheries, 9,549 for gillnet fisheries, and 54,515 for sport fisheries. In 2011 transboundary river stocks did not support directed commercial fisheries on the Taku and Stikine Rivers due to low forecast returns. The 2011 Chinook salmon harvest ranked 12<sup>th</sup> since statehood.

Harvests of sockeye salmon averaged 1.0 million from 1962 to 1988, but the average nearly doubled to 1.9 million from 1989 to 2007. The harvest dropped sharply in 2008 to 436,000 fish, the lowest since 1975 and the second lowest since statehood (Table 6). Following the 2008 low return harvests increased to near the long-term and the recent 10-year averages in 2011. Sockeye salmon harvests in northern boundary and transboundary river fisheries are regulated under the Pacific Salmon Treaty to provide for conservation and harvest sharing with Canada. The 2011 sockeye salmon harvest ranked 23<sup>rd</sup> since statehood.

Coho salmon harvests in the 1960s and 1970s averaged just over 1.1 million. In the most recent 20-year period from 1990 to 2010, harvests averaged 3.0 million. In 2009 and in 2010 coho harvests of around 2.6 million each year were just below the recent 10-year average of 2.7 million and above the long-term average harvest of 2.1 million (Table 7). The 2011 harvest of coho salmon ranked 20<sup>th</sup> since statehood.

The long-term average pink salmon harvest since statehood has been around 29 million fish. Harvests during recent years have been relatively stronger, with the recent 10-year harvest averaging 40 million and the recent 20-year harvest averaging 45 million. The record pink salmon harvest is 78 million fish in 1999. In 2006, pink salmon harvests unexpectedly fell to their lowest level since 1988, initiating a weaker even-year cycle. This downturn in harvests and production is attributable to unfavorable climatic conditions that affected early marine survival. Harvests in 2008 and 2010 have increased from the 2006 return. The 2011 year pink salmon

harvest was 59.1 million (Table 8, Figure 5). The 2011 harvest of pink salmon ranked 7<sup>th</sup> since statehood.

Harvests of chum salmon increased from historical levels as new hatchery production came on line in the mid-1980s. In recent years the majority of chum salmon harvests in the region are attributable to hatchery production. Total harvests of chum salmon increased 600 percent from an average of 1.6 million from 1962 until 1983 to average harvests of 9.6 million during the most recent 10-year period from 2001 to 2010 (Table 9). Harvests of 10.7 million chum salmon in 2011 were 111% of the recent 10-year average and ranked 10<sup>th</sup> since statehood (Figure 5).

## **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 (EEZ). 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 according to the run strength for most individual returns. 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, allocated among users according to Alaska Board of Fisheries regulations, and also in accordance with harvest sharing provisions of the Pacific Salmon Treaty between the U.S. and Canada.

## **FISHERY PARTICIPATION**

According to information from the Commercial Fisheries Entry Commission (CFEC 2011), 3,019 total permits were active (issued and/or renewed) in 2011. Active permits included: 379 purse seine, 474 drift gillnet, 167 set gillnet, 1,037 hand troll, and 962 power troll permits (Table 2). A total of 1,928 permit holders reported salmon landings in calendar year 2011 including: 270 purse seine, 433 drift gillnet, 121 set gillnet, 345 hand troll, and 749 power troll permit holders.

Purse seine participation by 270 permit holders in 2011 was an increase by 35 permits compared with 2010 and was 110% of the recent 10-year average of 246 boats. The number of purse seine permits issued dropped in 2008 by 35 permits through a permit buy-back program, and more permits fished in 2011 due to a strong pink salmon forecast in combination with high anticipated prices. Drift gillnet participation by 443 permit holders was an increase by 21 permits above the 2010 level and 114% of the recent 10-year average of 388 permits. Set gillnet effort in 2011 by 121 permit holders was above the recent 10-year average of 113 permits, but below the 2010 effort level. Power troll participation by 749 permit holders was 5% above the recent 10-year average of 710 permits. Hand troll effort by 345 permit holders was above the recent 10-year

average of 333 permits. Participation levels are generally above the recent 10-year averages but below long-term averages since limited entry began.

## **2011 SALMON HARVEST**

The Region I cumulative commercial salmon harvest by all gear types, including hatchery cost recovery, was 73.6 million fish in 2011 (Table 3). Total common property commercial harvest was 67.3 million fish, 91% of total harvest after excluding private hatchery cost recovery, Annette Island Reservation harvests, and miscellaneous harvests. The 2011 harvest numbers by species compared with 2010 were as follows: Chinook 132%, sockeye 173%, coho 88%, pink 244%, and chum salmon 113% (Table 1). The Region I total commercial salmon harvest proportion by species consisted of Chinook (<1%), sockeye (2%), coho (3%), pink (80%), and chum salmon (15%). The 2011 combined-gear, large Chinook salmon harvest of 339,000 fish was 98% of the most recent 10-year average and 113% of the long-term average. The 1.2 million sockeye salmon harvest was 93% of the recent 10-year and long-term averages. The coho salmon harvest of 2.3 million fish was 84% of the 10-year average and 108% of the long-term average. The pink salmon harvest of 59.1 million was 146% of the 10-year average and 200% of the long-term average. The chum salmon harvest of 10.7 million fish was 111% of the 10-year average (Table 1). The all species total harvest was almost double the long-term average harvest and was 135% of the recent 10-year average harvest and double the long-term average.

## **HARVEST BY GEAR TYPE**

The 2011 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 80% of the total salmon harvest, followed by drift gillnet (7%), hatchery cost recovery (7%), troll (4%) and Annette Island (2%). Combined hand and power troll harvests accounted for 70% of the regional landings of Chinook salmon and 58% of the coho salmon harvest (Tables 5 and 7). Of the total harvest, purse seiners harvested 40% of the sockeye, 94% of the pink, and 25% of the chum salmon in the region (Tables 6, 8, and 9). Drift gillnetters accounted for 9% of the Chinook, 42% of the sockeye, 10% of the coho, and 26% of the chum salmon harvested. The set gillnet fleet harvested 13% of the sockeye and 6% of the coho salmon regional harvests. Approximately 12% of the Chinook, 10% of the coho, and 38% of the chum salmon harvest was taken in the hatchery cost recovery fisheries.

Total Chinook salmon harvests of 346,000 included 27,800 by purse seine, 31,000 by drift gillnet, 242,000 by troll, and 41,000 in hatchery cost recovery fisheries. Sockeye salmon harvests of 1,243,000 included 499,000 by purse seine, 518,000 by drift gillnet, 168,000 by set gillnet, and 22,000 in hatchery cost recovery fisheries. Coho salmon harvests of 2.27 million included 1.3 million in troll fisheries, 238,000 in drift gillnet fisheries, 347,000 in purse seine fisheries, and 126,000 in set gillnet fisheries, and 231,000 in hatchery cost recovery fisheries. Pink salmon harvests of 59.1 million included 55.2 million in purse seine fisheries, 1.6 million in drift gillnet fisheries, 0.7 million in Annette Island Reservation fisheries, 0.5 million in troll fisheries and 0.7 million in cost recovery fisheries. Chum salmon harvests of 10.7 million included 4.1 million in hatchery cost recovery fisheries, 2.8 million in drift gillnet fisheries, 2.7 million in purse seine fisheries, and 700,000 in troll fisheries.

## **EXVESSEL VALUE**

The initial reported value of the 2011 Region I commercial salmon harvest based on fish ticket data is \$200 million, a 51% increase from the \$132 million value reported in 2010 (Table 10). The total 2011 salmon harvest in numbers of fish was double the 2010 harvest, primarily due to strong pink salmon harvests. The 2011 commercial harvest of 325 million pounds far exceeded the 211 million pounds in 2010 and the 217 million pounds harvested in 2009. Average weights by species were lower in 2011 than in 2010 except sockeye salmon. Chinook, chum, and coho salmon were also lower than the 10-year average weights while pink and sockeye salmon were about equal to 10-year average weights. Average prices in 2011 were up by 5% for pink and 7% for chum salmon which together composed 92% of the overall landed weight of salmon in the region. Following year-end annual commercial operator's reports and further analysis by the Commercial Fisheries Entry Commission, the estimated wholesale value of the 2011 fishery is expected to increase.

The value of the 2011 salmon harvest is shown Table 11 and Figure 6 compared with the prior 20-year period as determined by fish ticket data. This data is presented each year in annual reports and is based on year-end review of fish tickets. After adjustment for inflation based on the consumer-price-index, the 2011 season exvessel value for all salmon fisheries in the region is more than double the recent 10-year average of \$96 million which includes the 20-year low value of \$56 million in 2002. More definitive fishery exvessel values are calculated by CFEC based on post-season annual processor reports, and these data are available over the past 37-year period for common property fisheries since 1975. Common property fisheries exclude hatchery cost recovery, Annette Island Reservation fisheries, and miscellaneous harvests. The combined common property fisheries value for 2011, based on fish ticket data, is \$176 million (Table 10). Comparing the 2011 common property exvessel value (based on initial fish ticket data) with CFEC data, 2011 is shown to be the highest exvessel value for the Southeast Alaska region over the past 37-year history, and considering low harvests before 1975 the 2011 value is also a record since statehood. The second highest common property fisheries exvessel value for Region I was \$140 million in 1989.

The 2011 exvessel value by gear was highest for the purse seine fishery (\$112.5 million), followed by the drift gillnet fishery (\$30.4 million), the troll fishery (also \$30.4 million), hatchery cost recovery (\$19.5 million), Annette Island fisheries (\$4.6 million), and set gillnet (\$2.3 million) (Table 10). In review of reported CFEC fishery values by fishery from 1975, 2011 was a record value for purse seine, the second highest value for drift gillnet, the sixth highest year for troll and 2011 ranked 16<sup>th</sup> highest for the Yakutat setnet fishery. The regional value breakdown by species included: Chinook \$17.8 million, sockeye \$11.5 million, coho \$16.4 million, pink \$94.1 million, and chum salmon \$60.1 million. Compared with the previous year, the Chinook salmon value increased by 22%; the sockeye salmon value increased by 67%; the coho salmon value decreased by 29%; the pink salmon value increased by 202% (value tripled); and chum salmon value increased by 6%.

## **SUBSISTENCE AND PERSONAL USE SALMON FISHERIES**

Reporting of harvest information for subsistence and personal use fisheries for the Southeast Alaska and Yakutat areas is incomplete for 2011 with only 52% of permits returned at the time of this report. For 2010 the combined harvest for these areas is over 50,000 salmon, 94% of the

most recent 10-year average of 42,000. Eighty-four percent of this reported harvest was sockeye salmon.

A total of 3,137 subsistence and/or personal use salmon permits were issued in Southeast Alaska in 2011 (Table 12). One permit is issued per household. The number of permits issued included 482 Haines management area subsistence permits and 2,662 combined subsistence/personal use permits. Combined subsistence/personal use fishery permits issued in each management area included the following: Juneau (874), Ketchikan (811), Sitka (589), Petersburg (279), and Wrangell (109). With 54% of permits returned at the time of this report, the preliminary reported harvest is 23,311 salmon (Table 12). Harvests by area are more completely reported for 2010 with 90% of permits returned and include: 10,402 fish in the Haines subsistence fishery, and 34,208 fish in the subsistence/personal use combined fisheries. Number of fish harvested in subsistence/personal use fisheries, by management area, were as follows: Juneau (7,750), Ketchikan (10,805), Sitka (10,852), Petersburg (3,630), and Wrangell (1,171). As is typical, sockeye salmon made up 85% of the regional harvest (Figure 7). The harvest numbers are not finalized until the following year when most permits have been returned. Total reported subsistence harvests for 2010 were 44,610 fish, and 90% of permits issued were returned with harvest information.

During 2011, a total of 171 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 18% of the 2011 permits have been returned and entered at this time. Harvests in 2010 were 5,655 salmon including 4,325 sockeye and 672 coho salmon. The recent 10-year average harvests included 3,756 sockeye and 1,005 coho salmon. In 2010 sockeye harvests comprised 76% of the total subsistence harvest; coho harvests comprised 12% (Table 13, Figure 8).

## **REFERENCES CITED**

CFEC (Commercial Fisheries Entry Commission). 2011. Fishery Statistics—Permits and Permit Holders - 2010 Permit Status Report. Accessed February 3, 2011. [http://www.cfec.state.ak.us/fishery\\_statistics/permits.htm](http://www.cfec.state.ak.us/fishery_statistics/permits.htm).



## **TABLES AND FIGURES**

Table 1.–Southeast Alaska annual total commercial salmon harvest in numbers and percentages of the total by species, from 1980 to 2011.

Year	Chinook <sup>a</sup>	%	Jacks <sup>b</sup>	%	Sockeye	%	Coho	%	Pink	%	Chum	%	Total
1980	324,357	2%	-	-	1,106,039	6%	1,116,237	6%	14,500,415	78%	1,642,938	9%	18,689,986
1981	268,484	1%	-	-	1,072,201	5%	1,358,948	6%	19,038,208	84%	837,240	4%	22,575,081
1982	290,434	1%	-	-	1,480,596	5%	2,086,331	7%	24,244,823	82%	1,330,219	5%	29,432,403
1983	289,428	1%	166	<1%	1,559,011	4%	1,929,073	5%	37,545,915	88%	1,170,126	3%	42,493,719
1984	270,451	1%	-	-	1,215,822	4%	1,910,255	6%	24,705,756	77%	4,084,200	13%	32,186,484
1985	253,713	<1%	-	-	1,863,815	3%	2,597,278	4%	51,959,321	87%	3,275,417	5%	59,949,544
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	233,926	1%	2,363	<1%	2,666,422	6%	3,696,209	8%	34,963,308	75%	4,936,516	11%	46,498,744
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%	11,371,625	18%	62,311,072
2005	441,363	1%	6,629	<1%	1,607,835	2%	3,002,784	4%	59,182,242	84%	6,427,530	9%	70,668,383
2006	366,862	1%	4,779	<1%	1,333,496	5%	2,091,875	7%	11,695,411	40%	13,555,280	47%	29,047,703
2007	353,997	1%	5,233	<1%	1,904,802	3%	2,062,643	4%	44,884,740	77%	9,417,807	16%	58,629,222
2008	242,845	1%	3,426	<1%	436,302	2%	2,381,513	8%	15,974,351	57%	9,053,088	32%	28,091,525
2009	265,393	1%	3,240	<1%	925,749	2%	2,635,482	5%	38,101,430	74%	9,660,363	19%	51,591,657
2010	257,280	1%	4,263	<1%	717,588	2%	2,581,503	7%	24,208,300	65%	9,474,723	25%	37,243,657
<b>2011</b>	<b>339,349</b>	<b>&lt;1%</b>	<b>6,616</b>	<b>&lt;1%</b>	<b>1,242,539</b>	<b>2%</b>	<b>2,269,099</b>	<b>3%</b>	<b>59,071,186</b>	<b>80%</b>	<b>10,701,580</b>	<b>15%</b>	<b>73,630,369</b>
<b>Averages</b>													
1962-2010	298,360	1%	-	-	1,348,658	5%	2,091,995	6%	29,426,848	74%	5,397,514	14%	38,564,875
2001-2010	345,736	1%	3,362	<1%	1,333,055	3%	2,688,229	5%	40,428,212	71%	9,628,492	21%	54,427,086
Max. & year	483,330	2004	6,629	2005	3,190,960	1993	5,721,700	1994	77,848,284	1999	16,043,397	1996	97,768,275
Min.& year	195,048	1999	166	1983	244,855	1975	427,457	1975	3,109,343	1967	560,595	1969	5,691,033

<sup>a</sup> Annual Chinook salmon harvest is reported by troll season, October 1–September 30, since 1979 when the regulatory season was implemented.<sup>b</sup> Jack Chinook salmon are <= 21”.



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 2011.

Year	Number of Permits											
	Purse Seine		Drift Gillnet		Set Gillnet		Hand Troll		Power Troll		Total	
	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
<b>2011</b>	<b>379</b>	<b>270</b>	<b>474</b>	<b>443</b>	<b>167</b>	<b>121</b>	<b>1,037</b>	<b>345</b>	<b>962</b>	<b>749</b>	<b>3,019</b>	<b>1,928</b>
<b>Averages</b>												
1975–2010	415	327	483	431	168	139	1,762	760	967	773	3,776	2,429
2000–2010	404	246	477	388	167	113	1,133	333	962	710	3,144	1,791

*Notes:*

Data is provided beginning with the year salmon limited entry permits were first issued—1975 for seine, gillnet, setnet, and power troll. Permits for hand troll were first issued in 1982.

Permits issued and fished data provided by Commercial Fisheries Entry Commission ([www.cfec.state.ak.us](http://www.cfec.state.ak.us))

Table 3.—Southeast Alaska region commercial salmon harvest, in numbers, by harvest type and fishery, 2011.

<b>FISHERY</b>	<b>Chinook<sup>a</sup></b>	<b>Jacks</b>	<b>Sockeye</b>	<b>Coho</b>	<b>Pink</b>	<b>Chum</b>	<b>Total</b>
<b>Total Purse Seine</b>	25,983	1,787	499,279	346,979	55,233,738	2,700,914	58,808,680
Southern Purse Seine Total <sup>b</sup>	17,796	250	287,222	117,798	9,645,829	1,529,421	11,598,316
Southern Purse Seine Traditional	5,868	66	284,035	106,291	9,565,894	1,129,953	11,092,107
Southern Purse Seine Hatchery Terminal	11,928	184	3,187	11,507	79,935	399,468	506,209
Northern Purse Seine Total <sup>c</sup>	8,187	1,537	212,057	229,181	45,587,909	1,171,493	47,210,364
Northern Purse Seine Traditional	2,168	1,115	211,536	227,851	45,518,626	985,680	46,946,976
Northern Purse Seine Hatchery Terminal	6,019	422	521	1,330	69,283	185,813	263,388
<b>Total Drift Gillnet</b>	26,883	4,093	518,094	237,921	1,640,776	2,800,609	5,228,376
Tree Point	1,662	82	88,618	28,622	335,823	339,927	794,734
Prince of Wales	2,103	904	146,089	117,854	337,170	158,096	762,216
Stikine	4,099	1,222	51,478	20,717	65,022	142,526	285,064
Taku-Snettisham	1,371	1,067	100,480	27,540	338,657	667,709	1,136,824
Lynn Canal	640	305	57,534	33,292	330,896	853,451	1,276,118
Drift Gillnet Hatchery Terminal	17,008	513	73,895	9,896	233,208	638,900	973,420
<b>Set Gillnet</b>	1,123	0	167,704	125,830	205,261	900	500,818
<b>Total Troll</b>	242,112	-	5,190	1,311,210	496,157	702,756	2,757,427
Hand Troll Total	18,163	-	205	98,645	26,011	13,487	156,511
Hand Troll Traditional	11,095	-	201	97,093	24,028	11,955	144,372
Hand Troll Hatchery Terminal	291	-	0	795	171	92	1,349
Hand Troll Spring Fishery	6,777	-	4	757	1,812	1,440	10,790
Power Troll Total	223,949	-	4,985	1,212,565	470,146	689,269	2,600,916
Power Troll Traditional	189,945	-	4,505	1,193,798	298,917	536,663	2,223,828
Power Troll Hatchery Terminal	1,849	-	2	10,469	4,184	4,013	20,517
Power Troll Spring Fishery	32,155	-	478	8,298	167,045	148,593	356,571
<b>Total Annette Island Reservation</b>	1,700	5	29,323	15,187	740,509	403,583	1,190,307
Annette Island Purse Seine	420	0	12,031	4,773	498,932	139,746	655,902
Annette Island Drift Gillnet	1,277	5	17,292	10,074	241,563	263,824	534,035
Total Annette Island Troll	3	-	0	340	14	13	370
Annette Island Hand Troll	3	-	0	340	14	13	370
Annette Island Power Troll	0	-	0	0	0	0	0
<b>Hatchery Cost Recovery</b>	40,574	727	22,001	231,314	698,067	4,087,184	5,079,867
<b>Miscellaneous Harvests<sup>d</sup></b>	974	2	948	658	56,678	5,634	64,894
Southern SE Totals <sup>e</sup>	127,335	2,853	608,481	612,252	11,190,372	4,833,097	17,374,390
Northern SE Totals <sup>f</sup>	202,838	3,763	466,174	1,492,991	47,674,581	5,867,516	55,707,863
Yakutat Area Totals <sup>g</sup>	9,176	0	167,884	163,856	206,233	967	548,116
<b>REGION TOTALS</b>	<b>339,349</b>	<b>6,616</b>	<b>1,242,539</b>	<b>2,269,099</b>	<b>59,071,186</b>	<b>10,701,580</b>	<b>73,630,369</b>

<sup>a</sup> Harvest accounting period for the Chinook salmon season goes from October 1, 2010 through September 30, 2011.

<sup>b</sup> Southern Southeast Alaska includes Districts 101 to 108.

<sup>c</sup> Northern Southeast Alaska includes Districts 109 to 114.

<sup>d</sup> Includes salmon that were confiscated, caught in sport fish derbies, or commercial test fisheries, and sold.

<sup>e</sup> Districts 101 to 108, 150, and 152 (troll fishery Oct. 1–Sept 30).

<sup>f</sup> Districts 109 to 116, 154, 156, and 157 (troll fishery Oct. 1–Sept 30).

<sup>g</sup> 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 1980 to 2011.

Year	Seine	%	Driftnet	%	Setnet	%	Troll <sup>a</sup>	%	Annette Island	%	Hatchery <sup>b</sup>	%	Misc. <sup>c</sup>	Total
1980	13,579,693	73%	2,179,192	12%	445,334	2%	1,283,115	7%	1,191,723	6%	752	<1%	10,177	18,689,986
1981	17,472,456	77%	2,094,807	9%	428,332	2%	1,705,417	8%	729,389	3%	137,749	1%	6,931	22,575,081
1982	23,750,598	81%	1,976,165	7%	379,365	1%	2,069,317	7%	1,227,906	4%	20,639	<1%	8,413	29,432,403
1983	35,376,038	83%	2,527,515	6%	271,593	1%	2,073,004	5%	2,091,874	5%	143,178	<1%	10,251	42,493,453
1984	24,332,522	76%	3,132,879	10%	337,983	1%	1,979,620	6%	1,736,351	5%	650,799	2%	15,915	32,186,069
1985	50,238,448	84%	4,117,020	7%	467,777	1%	2,839,247	5%	1,611,119	3%	640,062	1%	35,718	59,949,391
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	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%	90,459	16,186,336
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	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%	43,401	66,043,037
1990	30,330,838	76%	2,917,511	7%	530,825	1%	2,963,172	7%	1,727,293	4%	1,414,924	4%	45,422	39,929,985
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	70,854,148
1992	34,808,120	75%	3,832,020	8%	632,425	1%	2,894,876	6%	1,190,707	3%	3,094,606	7%	45,990	46,498,744
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	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	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	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	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	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	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	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	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%	89,800	81,392,405
2002	45,891,149	80%	3,129,105	5%	331,848	1%	1,845,766	3%	1,548,231	3%	4,378,603	8%	98,216	57,222,918
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	68,072,320
2004	49,621,064	80%	3,914,562	6%	312,708	1%	2,503,069	4%	876,978	1%	4,978,262	8%	104,429	62,311,072
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	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	29,047,703
2007	46,461,718	79%	4,176,973	7%	405,180	1%	1,947,111	3%	1,092,752	2%	4,340,585	7%	204,904	58,629,223
2008	17,811,215	63%	3,787,192	13%	255,562	1%	1,533,918	5%	1,139,310	4%	3,537,129	13%	17,864	28,082,190
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	51,591,657
2010	24,151,627	65%	4,446,905	12%	445,692	1%	2,022,645	5%	1,742,725	5%	4,374,123	12%	59,940	37,243,657
<b>2011</b>	<b>58,808,680</b>	<b>80%</b>	<b>5,228,376</b>	<b>7%</b>	<b>500,818</b>	<b>1%</b>	<b>2,757,427</b>	<b>4%</b>	<b>1,190,307</b>	<b>2%</b>	<b>5,079,867</b>	<b>7%</b>	<b>64,894</b>	<b>73,630,369</b>
<b>Averages</b>														
1962–2010	30,523,838	77%	2,852,500	9%	351,597	1%	1,941,882	6%	909,660	2%	-	-	-	38,519,703
2001–2010	42,241,000	75%	4,020,273	8%	327,330	1%	2,131,203	4%	1,243,238	3%	4,369,632	9%	93,478	54,426,153
Max & year	81,768,382	1999	5,228,376	2011	632,425	1992	4,948,777	1994	2,691,297	1989	7,053,481	1999	204,904	97,768,275
Min. & year	3,929,881	1975	868,518	1975	166,361	1970	582,091	1975	30,866	1969	752	1980	6,931	5,688,347

<sup>a</sup> 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.

<sup>b</sup> Includes salmon caught and sold in private, state and federal hatchery's fisheries and carcass sales.

<sup>c</sup> Includes salmon that were confiscated, caught in sport fish derbies, or commercial test fisheries, and sold.

Table 5.–Southeast Alaska region annual commercial Chinook salmon harvest by harvest type, in numbers and percent, from 1980 to 2011.

Year	Seine	%	Driftnet	%	Setnet	%	Troll	%	Annette Island	%	Hatchery	%	Misc. <sup>a</sup>	Total
1980	11,701	4%	5,433	2%	2,800	1%	303,632	94%	180	<1%	-	-	611	324,357
1981	10,264	4%	6,317	2%	2,069	1%	248,785	93%	301	<1%	-	-	748	268,484
1982	30,529	11%	14,710	5%	1,456	1%	241,938	83%	838	<1%	-	-	963	290,434
1983	13,560	5%	4,598	2%	976	<1%	269,821	93%	367	<1%	-	-	6	289,328
1984	20,762	8%	10,338	4%	1,062	<1%	235,694	87%	237	<1%	937	<1%	1,063	270,093
1985	21,535	8%	10,386	4%	1,231	<1%	216,049	85%	713	<1%	2,658	1%	1,121	253,693
1986	13,271	5%	8,441	3%	1,428	1%	237,699	90%	121	<1%	1,093	<1%	1,537	263,590
1987	6,284	2%	8,430	3%	2,072	1%	242,529	92%	565	<1%	2,376	1%	932	263,188
1988	12,165	5%	9,079	3%	893	<1%	231,110	87%	941	<1%	9,649	4%	1,044	264,881
1989	17,103	6%	9,579	3%	798	<1%	235,609	83%	892	<1%	19,680	7%	1,395	285,056
1990	14,777	4%	14,693	4%	663	<1%	287,100	83%	1,840	1%	26,692	8%	390	346,155
1991	17,107	5%	18,457	6%	1,747	1%	263,153	79%	4,015	1%	25,995	8%	703	331,177
1992	20,320	9%	11,285	5%	2,025	1%	183,355	78%	1,210	1%	16,723	7%	1,371	236,289
1993	12,291	4%	18,011	6%	1,311	<1%	226,561	80%	639	<1%	23,246	8%	2,752	284,811
1994	21,089	9%	16,735	7%	3,820	2%	186,299	75%	230	<1%	17,750	7%	1,513	247,436
1995	26,777	12%	13,342	6%	9,374	4%	138,117	63%	133	<1%	31,405	14%	1,281	220,429
1996	23,155	11%	9,982	5%	4,854	2%	141,447	66%	243	<1%	33,496	16%	1,410	214,587
1997	10,841	4%	11,006	4%	3,264	1%	246,402	81%	505	<1%	30,144	10%	2,294	304,456
1998	16,167	7%	5,937	3%	2,804	1%	192,066	82%	304	<1%	15,943	7%	1,390	234,611
1999	20,849	11%	8,983	5%	5,108	3%	146,218	74%	744	<1%	15,100	8%	1,093	198,095
2000	22,044	9%	13,475	6%	2,460	1%	158,791	68%	4,769	2%	31,637	14%	719	233,895
2001	22,314	9%	13,644	6%	2,631	1%	153,280	62%	4,156	2%	49,028	20%	783	245,836
2002	18,725	5%	10,216	3%	2,510	1%	325,368	84%	1,818	<1%	28,445	7%	859	387,941
2003	25,236	6%	10,704	3%	3,842	1%	330,719	79%	780	<1%	45,723	11%	868	417,872
2004	39,984	8%	20,148	4%	2,734	1%	354,607	73%	1,914	<1%	62,470	13%	2,170	484,027
2005	20,421	5%	55,754	12%	766	<1%	338,024	75%	1,697	<1%	29,408	7%	1,922	447,992
2006	25,970	7%	47,202	13%	1,208	<1%	282,258	76%	806	<1%	12,794	3%	1,403	371,641
2007	28,398	8%	30,067	8%	1,562	<1%	267,988	75%	1,232	<1%	28,167	8%	1,817	359,231
2008	16,018	7%	32,044	13%	850	<1%	151,852	62%	743	<1%	41,799	17%	931	244,237
2009	29,888	11%	25,221	9%	1,533	1%	175,335	65%	1,033	<1%	35,107	13%	516	268,633
2010	16,551	6%	19,520	7%	501	<1%	195,363	75%	943	<1%	28,135	11%	530	261,543
<b>2011</b>	<b>27,770</b>	<b>8%</b>	<b>30,976</b>	<b>9%</b>	<b>1,123</b>	<b>&lt;1%</b>	<b>242,114</b>	<b>70%</b>	<b>1,705</b>	<b>&lt;1%</b>	<b>41,301</b>	<b>12%</b>	<b>976</b>	<b>345,965</b>
<b>Averages</b>														
1962–2010	15,743	6%	14,751	5%	2,193	1%	252,036	84%	732	<1%	-	-	-	299,776
2001–2010	24,351	7%	26,452	8%	1,814	1%	257,479	73%	1,512	<1%	36,108	11%	1,180	348,895
Max. & year	39,984	2004	55,754	2005	9,374	1995	375,427	1978	4,769	2000	62,470	2004	2,752	484,027
Min. & year	1,428	1976	4,598	1983	501	2010	138,117	1995	3	1966,1975	937	1984	6	196,650

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

<sup>a</sup> Includes confiscation, test fisheries, 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 1980 to 2011.

Year	Seine	%	Driftnet	%	Setnet	%	Troll	%	Annette Island	%	Hatchery	%	Misc. <sup>a</sup>	Total
1980	510,956	46%	408,296	37%	159,564	14%	2,921	<1%	23,734	2%	-	-	568	1,106,039
1981	438,921	41%	438,824	41%	149,273	14%	7,476	1%	37,528	4%	1	<1%	178	1,072,201
1982	445,385	30%	749,348	51%	212,882	14%	2,458	<1%	70,317	5%	1	<1%	205	1,480,596
1983	778,195	50%	586,574	38%	152,571	10%	7,974	1%	32,478	2%	1	<1%	1,218	1,559,011
1984	457,160	38%	593,319	49%	102,565	8%	9,563	1%	49,740	4%	7	<1%	3,412	1,215,766
1985	716,342	38%	830,238	45%	234,896	13%	7,806	<1%	67,946	4%	18	<1%	6,569	1,863,815
1986	587,730	41%	658,611	46%	150,770	10%	6,885	<1%	36,510	3%	6	<1%	2,474	1,442,986
1987	310,282	23%	736,200	53%	259,989	19%	9,722	1%	54,186	4%	1,121	<1%	6,217	1,377,717
1988	654,748	45%	600,925	41%	162,168	11%	9,339	1%	30,979	2%	85	<1%	2,173	1,460,417
1989	823,185	39%	893,976	42%	329,454	16%	20,173	1%	50,496	2%	66	<1%	7,490	2,124,840
1990	965,918	45%	767,492	36%	344,606	16%	9,175	<1%	59,644	3%	75	<1%	8,806	2,155,716
1991	1,051,269	51%	711,874	34%	229,903	11%	9,806	<1%	45,130	2%	1,478	<1%	14,126	2,063,586
1992	1,336,889	50%	922,069	35%	314,175	12%	22,854	1%	61,169	2%	2,108	<1%	7,158	2,666,422
1993	1,690,471	53%	1,021,899	32%	345,887	11%	25,337	1%	95,063	3%	7,545	<1%	4,758	3,190,960
1994	1,430,610	60%	686,792	29%	206,760	9%	21,777	1%	41,615	2%	3,322	<1%	1,613	2,392,489
1995	907,120	51%	640,971	36%	153,723	9%	27,323	2%	55,503	3%	8,448	<1%	2,243	1,795,331
1996	1,514,523	54%	1,026,591	37%	209,029	7%	11,024	<1%	29,859	1%	6,636	<1%	2,186	2,799,848
1997	1,578,021	64%	645,516	26%	110,078	4%	39,428	2%	41,365	2%	58,879	2%	4,107	2,477,394
1998	732,790	53%	501,291	36%	77,189	6%	6,476	<1%	16,554	1%	34,590	3%	6,468	1,375,358
1999	425,298	37%	545,681	47%	128,751	11%	5,730	<1%	21,867	2%	24,075	2%	9,328	1,160,730
2000	489,257	40%	496,614	40%	99,182	8%	4,467	<1%	22,529	2%	107,244	9%	10,097	1,229,390
2001	1,013,151	50%	687,476	34%	141,449	7%	8,992	<1%	41,245	2%	138,233	7%	4,684	2,035,230
2002	154,478	19%	464,138	58%	112,656	14%	1,247	<1%	34,821	4%	36,859	5%	2,248	806,447
2003	681,418	45%	598,679	39%	154,384	10%	4,596	<1%	7,806	1%	75,869	5%	2,604	1,525,356
2004	900,557	44%	798,096	39%	88,282	4%	5,009	<1%	30,743	2%	210,665	10%	4,393	2,037,745
2005	898,515	56%	462,209	29%	79,221	5%	13,277	1%	13,285	1%	140,245	9%	1,083	1,607,835
2006	413,938	31%	625,667	47%	138,510	10%	8,084	1%	20,908	2%	124,109	9%	2,280	1,333,496
2007	1,063,704	56%	501,765	26%	236,289	12%	6,439	<1%	19,579	1%	74,419	4%	2,607	1,904,802
2008	74,389	17%	264,877	61%	35,227	8%	1,253	<1%	5,770	1%	53,981	12%	805	436,302
2009	307,436	33%	408,336	44%	105,825	11%	2,929	<1%	15,036	2%	85,049	9%	1,138	925,749
2010	151,270	21%	388,078	54%	122,022	17%	1,923	<1%	14,769	2%	38,334	5%	1,192	717,588
<b>2011</b>	<b>499,279</b>	<b>40%</b>	<b>518,094</b>	<b>42%</b>	<b>167,704</b>	<b>13%</b>	<b>5,190</b>	<b>&lt;1%</b>	<b>29,323</b>	<b>2%</b>	<b>22,001</b>	<b>2%</b>	<b>948</b>	<b>1,242,539</b>
<b>Averages</b>														
1962–2010	613,538	43%	521,195	41%	151,830	12%	7,197	<1%	27,157	2%	-	-	-	1,348,628
2001–2010	565,886	37%	519,932	43%	121,387	10%	5,375	<1%	20,396	2%	97,776	8%	2,303	1,333,055
Max. & year	1,690,471	1993	1,026,591	1996	345,887	1993	39,428	1997	95,063	1993	210,665	2004	14,126	3,190,960
Min. & year	61,784	1975	108,574	1975	35,227	2008	157	1967	622	1975	1	1981,1982,1983	178	244,855

<sup>a</sup> Includes salmon confiscated, harvested and sold in sport derbies, or commercial test fisheries.

Table 7.—Southeast Alaska region annual commercial total coho salmon harvest by harvest type, in numbers and percent, from 1980 to 2011.

Year	Seine	%	Driftnet	%	Setnet	%	Troll	%	Annette Island	%	Hatchery	%	Misc. <sup>a</sup>	Total
1980	184,570	17%	109,516	10%	119,684	11%	697,181	62%	5,263	<1%	-	-	23	1,116,237
1981	237,402	17%	114,535	8%	132,579	10%	861,040	63%	7,839	1%	5,003	<1%	550	1,358,948
1982	397,349	19%	194,424	9%	148,857	7%	1,315,977	63%	14,312	1%	12,514	1%	2,898	2,086,331
1983	338,881	18%	210,332	11%	81,573	4%	1,276,370	66%	17,498	1%	4,220	<1%	199	1,929,073
1984	350,017	18%	191,023	10%	182,256	10%	1,133,357	59%	25,125	1%	26,856	1%	1,621	1,910,255
1985	417,852	16%	309,380	12%	202,772	8%	1,599,227	62%	30,849	1%	33,386	1%	3,696	2,597,162
1986	568,410	17%	395,889	12%	92,097	3%	2,127,695	62%	75,384	2%	143,799	4%	1,328	3,404,602
1987	121,974	8%	165,249	11%	124,407	8%	1,041,015	67%	35,790	2%	50,465	3%	4,448	1,543,348
1988	157,003	15%	163,808	16%	205,926	20%	500,208	48%	8,681	1%	7,539	1%	3,503	1,046,668
1989	330,989	15%	234,423	11%	176,773	8%	1,415,517	64%	23,870	1%	18,921	1%	3,551	2,204,044
1990	372,471	13%	351,039	12%	148,891	5%	1,832,414	64%	35,104	1%	125,762	4%	2,536	2,868,217
1991	405,592	13%	545,376	17%	166,731	5%	1,718,318	54%	63,146	2%	294,490	9%	3,350	3,197,003
1992	488,399	13%	645,159	17%	290,095	8%	1,929,832	52%	71,282	2%	268,913	7%	2,529	3,696,209
1993	473,138	13%	417,681	11%	237,446	6%	2,395,874	65%	32,690	1%	106,476	3%	2,130	3,665,435
1994	967,691	17%	698,125	12%	343,843	6%	3,467,541	61%	48,900	1%	188,847	3%	6,753	5,721,700
1995	617,777	18%	415,158	12%	295,030	9%	1,750,167	52%	51,452	2%	215,431	6%	663	3,345,678
1996	441,457	14%	368,570	12%	227,802	7%	1,906,312	60%	42,044	1%	166,941	5%	3,825	3,156,951
1997	183,693	9%	131,240	7%	322,776	16%	1,170,288	59%	30,846	2%	135,179	7%	405	1,974,427
1998	464,716	16%	412,446	14%	197,629	7%	1,636,711	55%	39,467	1%	234,675	8%	3,436	2,989,080
1999	416,415	11%	351,598	10%	187,055	5%	2,272,461	63%	49,365	1%	349,200	10%	4,140	3,630,234
2000	206,479	11%	167,623	9%	170,948	9%	1,125,219	57%	18,189	1%	268,171	14%	399	1,957,028
2001	542,643	16%	294,441	9%	205,344	6%	1,845,609	56%	57,055	2%	352,904	11%	2,936	3,300,932
2002	469,680	14%	436,612	13%	200,888	6%	1,315,080	41%	64,880	2%	749,889	23%	5,487	3,242,516
2003	394,168	16%	434,234	17%	74,343	3%	1,223,458	49%	39,879	2%	328,650	13%	3,643	2,498,375
2004	399,267	13%	316,192	10%	196,930	6%	1,914,945	62%	30,883	1%	221,721	7%	4,725	3,084,663
2005	341,295	11%	272,873	9%	82,887	3%	2,034,874	68%	35,204	1%	231,341	8%	4,310	3,002,784
2006	109,498	5%	252,449	12%	86,085	4%	1,362,915	65%	30,287	1%	246,062	12%	4,579	2,091,875
2007	247,568	12%	175,286	8%	76,550	4%	1,376,679	67%	35,185	2%	146,797	7%	4,578	2,062,643
2008	208,196	9%	337,447	14%	153,712	6%	1,291,861	54%	48,632	2%	340,538	14%	1,127	2,381,513
2009	283,431	11%	320,910	12%	133,808	5%	1,585,703	60%	51,495	2%	259,997	10%	138	2,635,482
2010	192,465	7%	503,751	20%	161,460	6%	1,343,038	52%	85,055	3%	295,235	11%	499	2,581,503
<b>2011</b>	<b>346,979</b>	<b>15%</b>	<b>237,921</b>	<b>10%</b>	<b>125,830</b>	<b>6%</b>	<b>1,311,210</b>	<b>58%</b>	<b>15,187</b>	<b>1%</b>	<b>231,314</b>	<b>10%</b>	<b>658</b>	<b>2,269,099</b>
<b>Averages</b>														
1962-2010	329,998	17%	259,094	13%	142,238	7%	1,213,802	57%	25,913	1%	-	-	-	2,091,738
2001-2010	318,821	11%	334,420	12%	137,201	5%	1,529,416	57%	47,856	2%	317,313	12%	3,202	2,688,229
Max & Yr.	967,691	1994	698,125	1994	343,843	1994	3,467,541	1994	85,055	2010	749,889	2002	6,753	5,721,700
Min. & Yr.	70,193	1975	65,101	1969	30,279	1970	214,219	1975	324	1973	4,220	1983	23	424,757

<sup>a</sup> Includes salmon confiscated, harvested and sold in sport derbies, and commercial test fisheries.

Table 8.—Southeast Alaska region annual commercial total pink salmon harvest by harvest type, in numbers and percent, from 1980 to 2011.

Year	Seine	%	Driftnet	%	Setnet	Troll	Annette Island	%	Hatchery	%	Misc. <sup>a</sup>	Total
1980	11,869,988	82%	1,107,273	8%	143,135	267,213	1,105,482	8%	-	-	7,324	14,500,415
1981	16,268,867	85%	1,264,900	7%	133,756	579,436	653,409	3%	132,744	1%	5,096	19,038,208
1982	22,048,891	91%	569,351	2%	9,850	503,306	1,102,077	5%	7,346	<1%	4,002	24,244,823
1983	33,666,234	90%	1,209,372	3%	25,278	498,530	2,017,294	5%	120,688	<1%	8,519	37,545,915
1984	21,070,834	85%	1,307,853	5%	19,870	572,949	1,556,298	6%	169,795	1%	8,157	24,705,756
1985	47,233,196	91%	1,832,570	4%	16,410	963,395	1,424,695	3%	470,949	1%	18,105	51,959,320
1986	42,788,318	93%	1,282,418	3%	7,263	181,706	1,823,069	4%	61,178	<1%	28,325	46,172,277
1987	7,018,562	68%	1,359,526	13%	12,920	486,355	338,763	3%	994,190	10%	70,106	10,280,422
1988	8,825,252	79%	688,750	6%	120,212	519,367	890,272	8%	115,729	1%	47,580	11,207,162
1989	52,070,066	88%	2,769,875	5%	57,195	1,771,409	2,550,624	4%	213,371	<1%	27,663	59,460,203
1990	27,915,150	86%	1,168,061	4%	30,840	771,665	1,546,186	5%	880,750	3%	29,350	32,342,002
1991	58,592,358	95%	820,409	1%	3,052	427,326	933,309	2%	1,112,888	2%	36,997	61,926,339
1992	29,769,079	85%	1,408,331	4%	18,526	673,805	954,756	3%	2,111,411	6%	27,400	34,963,308
1993	53,414,515	93%	1,087,670	2%	9,909	902,766	1,521,934	3%	332,763	1%	29,793	57,299,350
1994	51,280,083	90%	1,030,607	2%	12,324	942,783	498,031	1%	3,459,436	6%	51,613	57,274,877
1995	43,498,508	91%	1,337,764	3%	54,041	714,312	1,925,156	4%	411,701	1%	24,024	47,965,506
1996	61,649,487	95%	615,311	1%	31,295	812,899	867,799	1%	609,316	1%	43,607	64,629,714
1997	24,782,485	86%	1,384,200	5%	93,658	545,308	410,054	1%	1,695,171	6%	64,348	28,975,224
1998	38,436,679	90%	1,489,395	4%	86,066	261,104	799,296	2%	1,411,511	3%	51,351	42,535,402
1999	71,961,636	92%	1,274,672	2%	29,554	540,859	896,414	1%	3,053,220	4%	91,929	77,848,284
2000	18,156,691	89%	679,452	3%	64,349	187,364	918,280	5%	267,913	1%	39,377	20,313,426
2001	61,951,322	92%	1,568,859	2%	32,230	258,943	1,995,215	3%	1,189,294	2%	60,128	67,055,991
2002	42,137,936	93%	802,290	2%	15,590	86,399	1,363,274	3%	853,059	2%	72,459	45,331,007
2003	49,894,749	95%	1,354,839	3%	48,418	159,643	569,512	1%	420,141	1%	68,330	52,515,632
2004	42,596,809	94%	944,447	2%	23,207	57,199	715,774	2%	933,287	2%	62,289	45,333,012
2005	55,746,479	94%	1,530,243	3%	60,436	109,584	598,105	1%	1,004,250	2%	133,145	59,182,242
2006	10,117,941	87%	744,048	6%	88,864	60,323	263,420	2%	377,353	3%	43,462	11,695,411
2007	42,078,209	94%	984,250	2%	87,997	104,325	846,271	2%	606,443	1%	177,245	44,884,740
2008	14,297,381	90%	560,612	4%	65,227	28,123	926,190	6%	83,099	1%	6,418	15,967,050
2009	34,946,847	92%	566,734	1%	76,956	75,722	1,725,651	5%	682,266	2%	27,254	38,101,430
2010	20,556,774	85%	1,315,795	5%	160,470	87,625	1,327,540	5%	713,384	3%	46,712	24,208,300
<b>2011</b>	<b>55,233,738</b>	<b>94%</b>	<b>1,640,776</b>	<b>3%</b>	<b>205,261</b>	<b>496,157</b>	<b>740,509</b>	<b>1%</b>	<b>698,067</b>	<b>1%</b>	<b>56,678</b>	<b>59,071,186</b>
<b>Averages</b>												
1962-2010	26,700,613	89%	967,729	5%	48,310	355,275	823,333	3%	-	-	-	29,423,968
2001-2010	37,432,445	92%	1,037,212	3%	65,940	102,789	1,033,095	3%	686,258	2%	69,744	40,427,482
Max. & year	71,961,636	1999	2,769,875	1989	205,261	1,771,409	2,550,624	1989	3,459,436	1994	177,245	77,848,284
Min. & year	2,807,759	1967	205,683	1967	1,405	28,123	6,949	1967	7,346	1982	4,002	3,109,343

<sup>a</sup> Includes salmon confiscated, harvested and sold in sport derbies, and commercial test fisheries.

Table 9.—Southeast Alaska region annual commercial total chum salmon harvest by gear or harvest category, in numbers and percent, from 1980–2011.

Year	Seine	%	Driftnet	%	Setnet	%	Troll	%	Annette Island	%	Hatchery	%	Misc. <sup>a</sup>	Total
1980	1,002,478	61%	548,674	33%	20,151	1%	12,168	1%	57,064	3%	752	<1%	1,651	1,642,938
1981	517,002	62%	270,231	32%	10,655	1%	8,680	1%	30,312	4%	1	<1%	359	837,240
1982	828,444	62%	448,332	34%	6,320	<1%	5,638	<1%	40,362	3%	778	<1%	345	1,330,219
1983	579,168	49%	516,639	44%	11,195	1%	20,309	2%	24,237	2%	18,269	2%	309	1,170,126
1984	2,433,749	60%	1,030,346	25%	32,230	1%	28,057	1%	104,951	3%	453,204	11%	1,662	4,084,199
1985	1,849,523	56%	1,134,446	35%	12,468	<1%	52,770	2%	86,916	3%	133,051	4%	6,227	3,275,401
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%	85,030	2%	102,290	2%	695,451	14%	7,532	4,936,516
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%	171,309	2%	97,664	1%	3,550,119	31%	30,852	11,371,625
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%	2,219,761	23%	1,239	<1%	394,696	4%	314,418	3%	3,299,035	35%	11,007	9,474,723
<b>2011</b>	<b>2,700,914</b>	<b>25%</b>	<b>2,800,609</b>	<b>26%</b>	<b>900</b>	<b>&lt;1%</b>	<b>702,756</b>	<b>7%</b>	<b>403,583</b>	<b>4%</b>	<b>4,087,184</b>	<b>38%</b>	<b>5,634</b>	<b>10,701,580</b>
<b>Averages</b>														
1962-2010	2,863,945	59%	1,089,731	25%	7,027	<1%	113,453	2%	74,551	1%	-	-	-	5,397,500
2001-2010	3,899,498	41%	2,102,257	22%	990	<1%	236,144	3%	140,379	2%	3,232,177	33%	17,048	9,628,492
Max. &year	9,406,979	1998	3,126,853	2006	32,230	1984	702,756	2011	403,583	2011	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

<sup>a</sup> Includes salmon confiscated, harvested and sold in sport derbies, and commercial test fisheries.



Table 10.–Southeast Alaska region estimated exvessel value, harvest, average weight, and price paid per pound by gear and species, 2011.

<b>Fishery</b>	<b>Chinook</b>	<b>Jacks</b>	<b>Sockeye</b>	<b>Coho</b>	<b>Pink</b>	<b>Chum</b>	<b>Total</b>
<b>Exvessel Value in Dollars<sup>a</sup></b>							
Purse Seine	\$807,006	\$2,462	\$4,285,811	\$1,132,539	\$87,876,877	\$18,382,421	\$112,487,117
Drift Gillnet	\$1,064,970	\$48,686	\$5,418,227	\$2,235,982	\$2,618,678	\$19,027,338	\$30,413,881
Setnet	\$27,448	-	\$1,288,973	\$764,417	\$258,218	\$3,416	\$2,342,472
Troll	\$14,210,764	\$33	\$42,039	\$10,424,120	\$735,305	\$4,996,595	\$30,408,855
Annette Island	\$33,072	\$79	\$275,255	\$70,210	\$1,332,916	\$2,915,484	\$4,627,015
Hatchery Cost Recovery	\$1,559,665	-	\$182,960	\$1,791,296	\$1,202,071	\$14,730,211	\$19,466,203
Miscellaneous	\$43,557	\$1	\$3,982	\$2,142	\$41,942	\$21,251	\$112,875
<b>Total Exvessel Value</b>	<b>\$17,746,482</b>	<b>\$51,262</b>	<b>\$11,497,247</b>	<b>\$16,420,705</b>	<b>\$94,066,008</b>	<b>\$60,076,715</b>	<b>\$199,858,419</b>
<b>Average Weight in Pounds<sup>e</sup></b>							
Purse Seine <sup>b</sup>	25,983	1,787	499,279	346,979	55,233,738	2,700,914	58,808,680
Drift Gillnet <sup>b</sup>	26,883	4,093	518,094	237,921	1,640,776	2,800,609	5,228,376
Setnet	1,123	-	167,704	125,830	205,261	900	500,818
Troll	242,112	2	5,190	1,311,210	496,157	702,756	2,757,427
Annette Island Reservation <sup>c</sup>	1,700	5	29,323	15,187	740,509	403,583	1,190,307
Hatchery Cost Recovery	40,574	727	22,001	231,314	698,067	4,087,184	5,079,867
Miscellaneous <sup>d</sup>	974	2	948	658	56,678	5,634	64,894
<b>Total Harvested</b>	<b>339,349</b>	<b>6,616</b>	<b>1,242,539</b>	<b>2,269,099</b>	<b>59,071,186</b>	<b>10,701,580</b>	<b>73,630,369</b>
<b>Estimated Average Exvessel Price per Pound<sup>f</sup></b>							
Purse Seine	\$2.03	\$0.26	\$1.48	\$0.51	\$0.43	\$0.82	
Drift Gillnet	\$2.85	\$1.83	\$1.66	\$1.27	\$0.38	\$0.86	
Setnet	\$2.02	-	\$1.26	\$0.81	\$0.34	\$0.55	
Troll	\$4.55	\$3.33	\$1.50	\$1.50	\$0.38	\$0.90	
Annette Island	\$1.37	\$2.02	\$1.49	\$0.67	\$0.40	\$0.84	
Hatchery Cost Recovery	\$2.48	-	\$1.54	\$1.21	\$0.41	\$0.53	
Miscellaneous	\$2.60	\$0.10	\$0.70	\$0.44	\$0.20	\$0.46	

<sup>a</sup> Exvessel Value calculation= (Number caught) x (average weight) x (average exvessel price).

<sup>b</sup> In addition to adults, jack Chinook salmon < 21" can be sold in the purse seine fishery, and < 28" can be sold in the drift gillnet fishery.

<sup>c</sup> Annette Island Reserve includes purse seine, drift gillnet, hand and power troll gear types.

<sup>d</sup> Includes salmon that were confiscated, harvested in sport fish derbies, or commercial test fisheries, and sold.

<sup>e</sup> Average weight=(Total pounds for all fish tickets (where pounds > 0)) / (total number fish for all tickets (where number > 0)).

<sup>f</sup> 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 total salmon exvessel values (in dollars), by species, from 1990 to 2011.

Year	Chinook <sup>a</sup>	Sockeye	Coho	Pink	Chum	Total
<b>Exvessel Value calculated using 2010 Consumer Price Index<sup>b</sup></b>						
(historical exvessel \$\$ = past\$ (current CPI / past CPI))						
1991	\$17,133,223	\$17,630,862	\$31,961,371	\$36,270,661	\$14,608,833	\$117,604,951
1992	\$12,540,488	\$40,519,000	\$45,338,499	\$28,132,401	\$27,822,328	\$154,352,716
1993	\$10,939,429	\$24,468,448	\$30,756,601	\$37,085,818	\$35,872,537	\$139,122,828
1994	\$9,827,987	\$23,184,507	\$44,987,566	\$44,014,870	\$30,574,397	\$152,589,327
1995	\$7,311,854	\$17,606,493	\$24,002,682	\$39,589,547	\$42,482,687	\$130,993,262
1996	\$6,442,793	\$27,015,419	\$20,094,753	\$19,452,000	\$27,807,818	\$100,812,784
1997	\$10,405,781	\$19,616,794	\$15,986,113	\$17,142,145	\$34,285,462	\$97,436,294
1998	\$6,018,244	\$11,192,076	\$17,283,259	\$25,119,804	\$24,096,644	\$83,710,027
1999	\$5,627,020	\$10,399,040	\$24,127,593	\$36,398,542	\$25,068,786	\$101,620,981
2000	\$8,570,557	\$9,306,669	\$12,680,455	\$10,977,409	\$54,530,769	\$96,065,860
2001	\$7,550,969	\$12,514,074	\$14,843,201	\$34,595,003	\$39,934,791	\$109,438,039
2002	\$7,729,397	\$4,297,000	\$13,137,894	\$12,111,427	\$18,822,690	\$56,098,408
2003	\$9,466,376	\$9,409,896	\$13,679,704	\$13,551,411	\$17,753,029	\$63,860,416
2004	\$17,141,435	\$11,936,937	\$22,220,828	\$13,705,619	\$22,967,848	\$87,972,667
2005	\$15,966,919	\$10,120,247	\$11,032,754	\$22,049,772	\$16,614,369	\$75,784,062
2006	\$20,886,289	\$9,177,272	\$22,375,021	\$6,547,117	\$42,638,498	\$101,624,198
2007	\$19,184,404	\$14,319,004	\$16,864,265	\$26,412,491	\$29,973,335	\$106,753,498
2008	\$18,684,907	\$3,740,050	\$29,863,365	\$17,218,471	\$52,284,057	\$121,790,850
2009	\$11,591,994	\$7,113,399	\$17,119,225	\$28,705,658	\$39,319,839	\$103,850,111
2010	\$14,951,900	\$7,090,940	\$23,776,768	\$32,018,763	\$58,219,715	\$136,058,085
<b>2011</b>	<b>\$17,797,744</b>	<b>\$11,497,247</b>	<b>\$16,420,705</b>	<b>\$94,066,008</b>	<b>\$60,076,715</b>	<b>\$199,858,419</b>
<b>Average</b>						
<b>2001–2010</b>	<b>\$14,315,459</b>	<b>\$8,971,882</b>	<b>\$18,491,303</b>	<b>\$20,691,573</b>	<b>\$33,852,817</b>	<b>\$96,323,034</b>
1991	\$10,392,049	\$10,693,889	\$19,385,969	\$21,999,742	\$8,860,896	\$71,332,545
1992	\$7,835,327	\$25,316,368	\$28,327,602	\$17,577,191	\$17,383,457	\$96,439,945
1993	\$7,039,592	\$15,745,602	\$19,792,069	\$23,864,960	\$23,084,206	\$89,526,427
1994	\$6,486,311	\$15,301,397	\$29,691,060	\$29,049,097	\$20,178,604	\$100,706,469
1995	\$4,962,465	\$11,949,310	\$16,290,325	\$26,868,938	\$28,832,477	\$88,903,515
1996	\$4,501,758	\$18,876,421	\$14,040,760	\$13,591,651	\$19,430,092	\$70,440,683
1997	\$7,437,633	\$14,021,293	\$11,426,229	\$12,252,514	\$24,505,866	\$69,643,534
1998	\$4,368,601	\$8,124,250	\$12,545,797	\$18,234,290	\$17,491,585	\$60,764,523
1999	\$4,174,827	\$7,715,308	\$17,900,864	\$27,004,988	\$18,599,159	\$75,395,146
2000	\$6,572,449	\$7,136,946	\$9,724,180	\$8,418,176	\$41,817,665	\$73,669,416
2001	\$5,955,336	\$9,869,662	\$11,706,610	\$27,284,559	\$31,495,970	\$86,312,137
2002	\$6,192,440	\$3,442,560	\$10,525,480	\$9,703,122	\$15,079,879	\$44,943,481
2003	\$7,756,871	\$7,710,591	\$11,209,327	\$11,104,202	\$14,547,062	\$52,328,053
2004	\$14,419,963	\$10,041,761	\$18,692,922	\$11,529,637	\$19,321,341	\$74,005,624
2005	\$13,886,998	\$8,801,939	\$9,595,579	\$19,177,472	\$14,450,108	\$65,912,097
2006	\$18,751,535	\$8,239,278	\$20,088,106	\$5,877,947	\$38,280,485	\$91,237,351
2007	\$17,714,162	\$13,221,633	\$15,571,832	\$24,388,307	\$27,676,257	\$98,572,190
2008	\$17,915,380	\$3,586,018	\$28,633,460	\$16,509,338	\$50,130,769	\$116,774,966
2009	\$11,075,041	\$6,796,172	\$16,355,782	\$27,425,510	\$37,566,345	\$99,218,847
2010	\$14,519,425	\$6,885,839	\$23,089,040	\$31,092,640	\$56,535,745	\$132,122,688
<b>2011</b>	<b>\$17,797,744</b>	<b>\$11,497,247</b>	<b>\$16,420,705</b>	<b>\$94,066,008</b>	<b>\$60,076,715</b>	<b>\$199,858,419</b>

<sup>a</sup> Includes Chinook salmon < 21" for purse seine and < 28" for drift gillnet.

<sup>b</sup> Historical exvessel \$\$ = past \$\$ \* (current CPI/ past CPT)

[www.bls.gov](http://www.bls.gov), CPI—All Urban Users, not seasonally adjusted, U.S. city average, all items, base period 1982–1984 =100.

Table 12.—Southeast Alaska reported subsistence and personal use salmon harvest, by species, and number of permits issued, from 1985 to 2011.

Year <sup>a</sup>	Permits			Number of Salmon Harvested					
	Issued	Returned	Fished <sup>b</sup>	Chinook	Sockeye	Coho	Pink	Chum	Total
1985	3,012	-	1,271	19	20,006	360	2,136	2,951	25,472
1986	2,777	-	1,353	29	21,974	277	971	2,840	26,091
1987	2,678	-	1,322	34	25,430	117	1,491	3,881	30,953
1988	2,821	-	998	94	20,011	97	1,145	3,013	24,360
1989	3,102	-	1,369	221	29,237	513	3,472	3,086	36,529
1990	3,142	-	1,428	163	33,114	806	3,715	3,436	41,234
1991	3,447	-	1,494	201	37,369	655	1,829	3,358	43,412
1992	3,331	-	1,691	65	47,630	1,294	2,905	3,189	55,083
1993	3,731	-	1,939	88	51,099	1,252	2,147	2,582	57,168
1994	3,933	-	2,057	100	52,491	1,438	3,607	4,109	61,745
1995	3,837	-	1,837	131	41,643	1,693	3,170	3,340	49,977
1996 <sup>c</sup>	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	1,883	243	52,481	1,222	3,086	3,205	60,237
2004	3,565	3,186	1,996	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	1,669	415	42,914	961	2,960	1,518	48,768
2007	3,039	2,715	1,531	216	32,697	663	2,288	625	36,489
2008	3,031	2,727	1,459	171	33,592	2,452	1,591	1,319	39,125
2009	3,294	3,014	1,777	169	39,915	1,964	3,042	1,712	46,802
2010	3,400	3,042	1,747	866	37,694	2,375	2,934	719	44,588
<b>2011<sup>d</sup></b>	<b>3,137</b>	<b>1,694</b>	<b>802</b>	<b>244</b>	<b>18,882</b>	<b>683</b>	<b>2,767</b>	<b>735</b>	<b>23,311</b>
<b>Averages</b>									
1985-2010	3,417	-	1,692	216	39,341	1,069	2,673	2,863	46,162
2001-2010	3,295	2,860	1,700	344	40,914	1,444	2,934	1,858	47,494

Note: Data presented in this table is for the Southeast Alaska area only and excludes the Yakutat area.

<sup>a</sup> Prior to 1985 the numbers of permits issued and returned were not recorded

<sup>b</sup> Number of permits fished is estimated from permit data.

<sup>c</sup> 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).

<sup>d</sup> Preliminary data for 2011, since 54 percent of permits have been returned. Permits will continue to be returned and entered through next season. Over the past 10 years on average 87% of permits were returned.

Table 13.–Yakutat Area reported subsistence salmon harvest, by species, and number of permits issued, from 1989 to 2011.

Year <sup>a</sup>	Permits			Number of Salmon Harvested					
	Issued	Returned	Fished	Chinook	Sockeye	Coho	Pink	Chum	Total
1989	153	-	87	359	3,494	880	221	51	5,005
1990	128	-	74	361	3,332	809	35	2	4,539
1991	134	-	27	61	896	213	1	0	1,171
1992	139	-	109	549	5,469	3,645	37	12	9,712
1993	130	-	105	449	5,073	2,263	6	1	7,792
1994	137	-	101	700	4,586	2,169	32	102	7,589
1995	138	-	94	1,070	3,419	2,007	45	21	6,562
1996	124	116	89	934	3,666	1,359	96	31	6,086
1996 <sup>b</sup>	124	-	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	116	85	421	4,325	672	187	50	5,655
<b>2011<sup>c</sup></b>	<b>171</b>	<b>31</b>	<b>20</b>	<b>22</b>	<b>645</b>	<b>83</b>	<b>18</b>	<b>1</b>	<b>769</b>
<b>Averages</b>									
1989–2010	132	-	89	744	3,769	1,297	97	18	5,925
2001–2010	130	108	87	822	3,756	1,005	112	12	5,708

<sup>a</sup> Prior to 1989 the numbers of permits issued and returned were not recorded.

<sup>b</sup> Prior to 1996 the numbers of permits issued and returned are not reliable due to data entry omissions (if a permit had zero harvest it was not recorded as a returned permit).

<sup>c</sup> Preliminary data for 2010 since only 18 percent of the permits are returned. Permits will continue to be returned and entered through next season. Over the past 10 years 83 percent of the permits were returned.

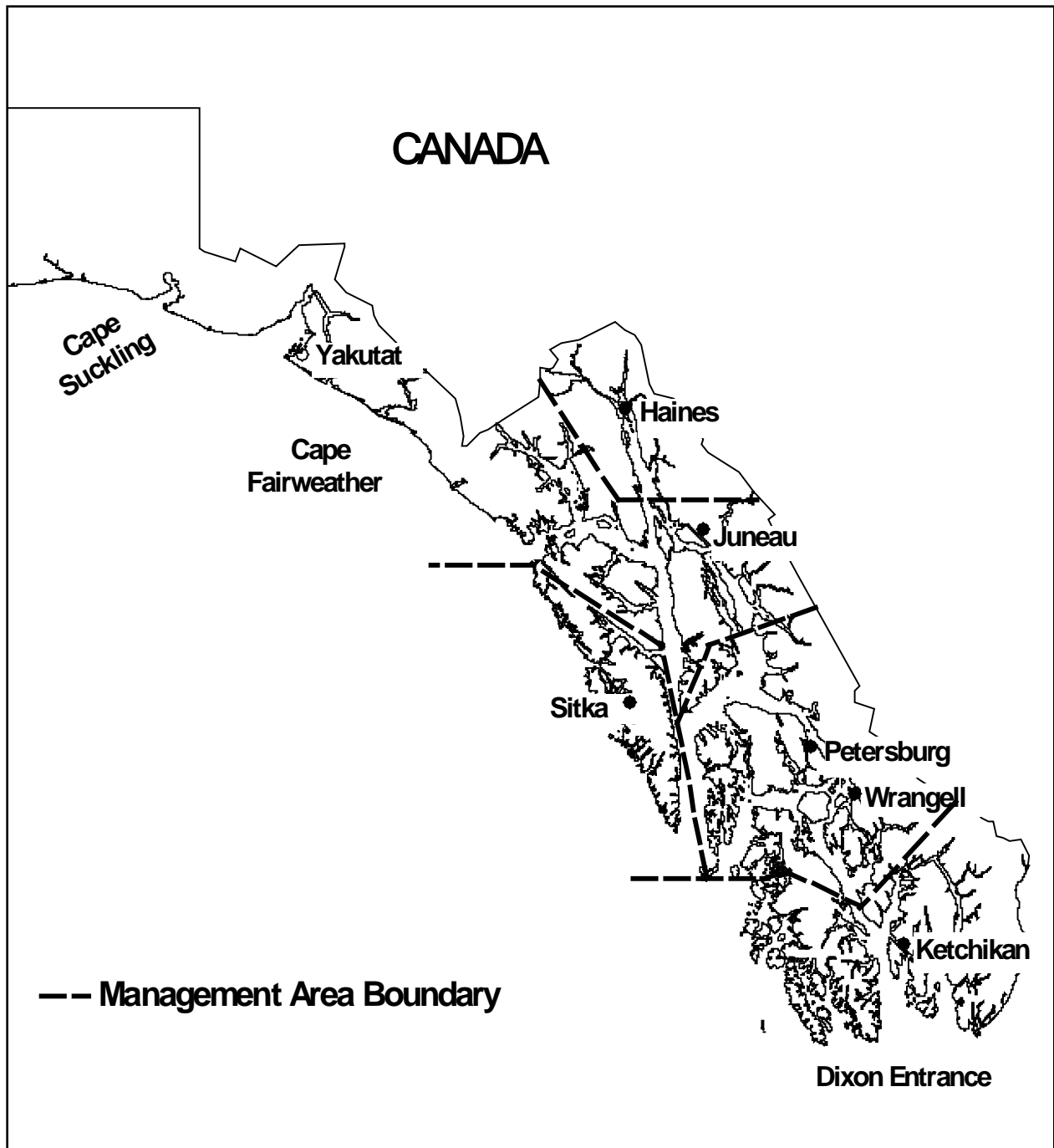


Figure 1.—The Southeast Alaska/Yakutat Region (Region I) consists of Alaska waters between Cape Suckling on the north and Dixon Entrance on the south. Troll fisheries are managed regionally, and drift gillnet, setnet, and purse seine fisheries are managed by area offices in Ketchikan, Petersburg/Wrangell,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

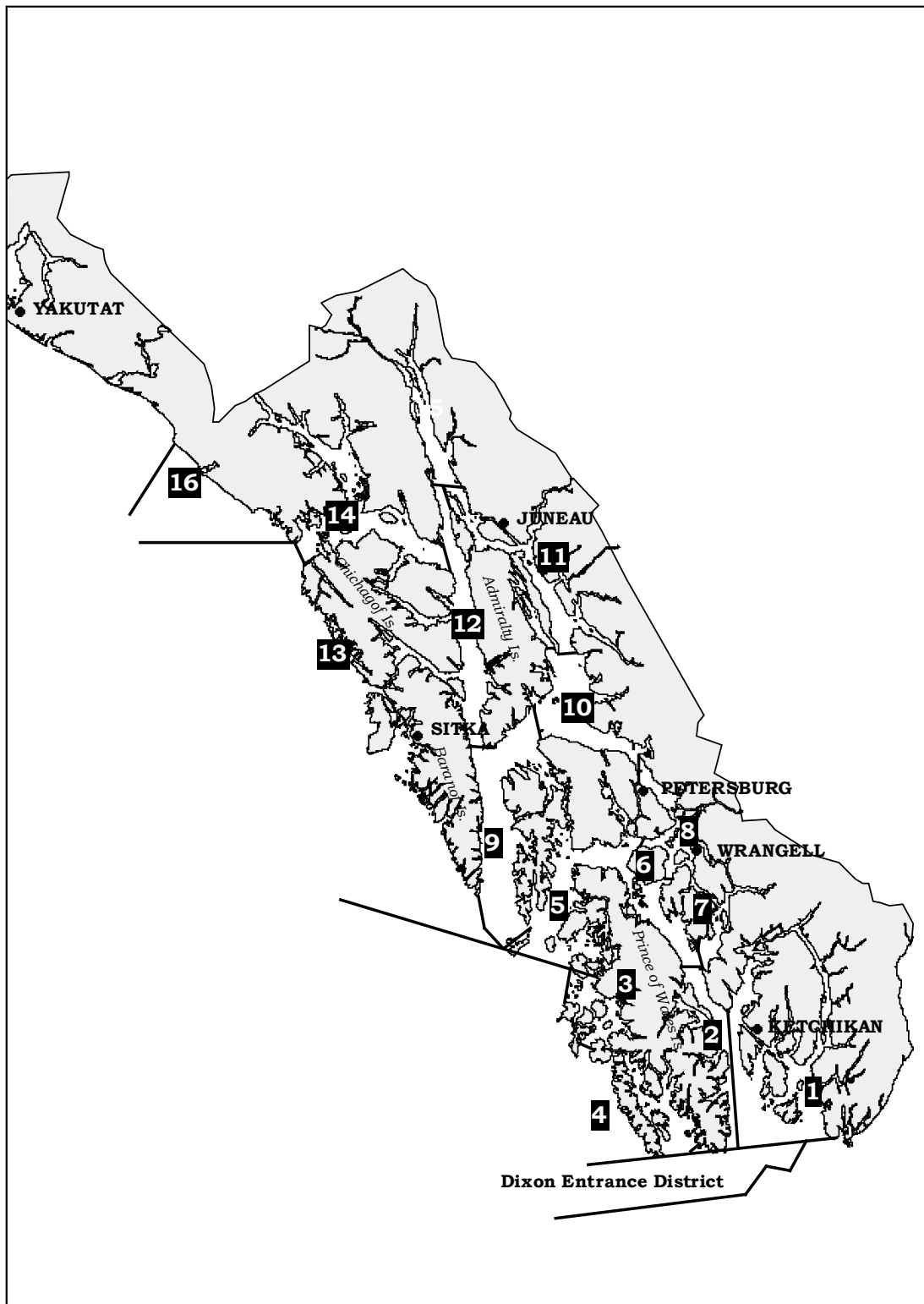


Figure 2.—Boundaries for regulatory Districts 1 to 16, as well as Dixon Entrance District, within Southeast Alaska.

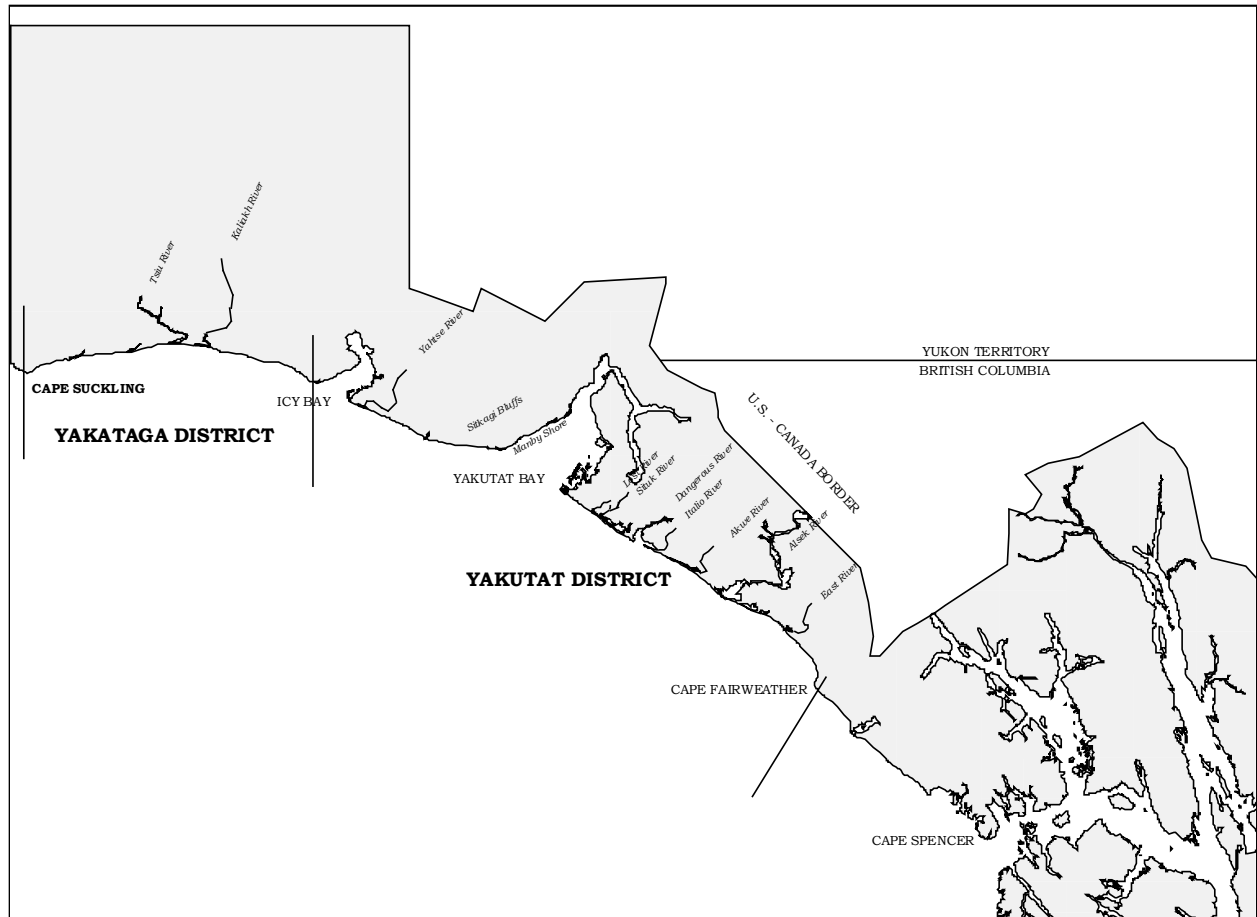


Figure 3.—Boundaries for Yakutat and Yakataga regulatory Districts, within the Yakutat management area (Registration Area D).

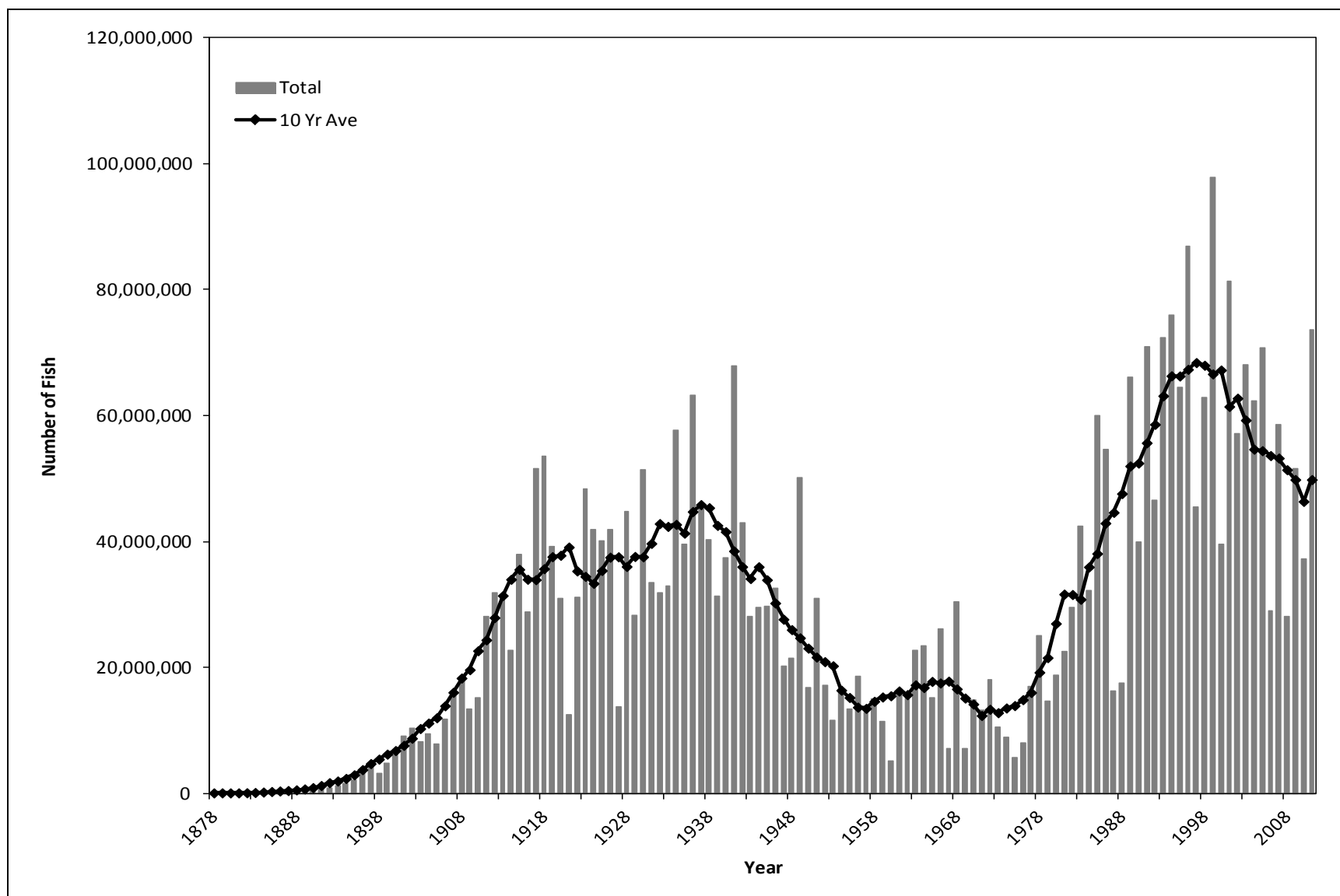


Figure 4.—Region I (Southeast Alaska and Yakutat) historical salmon harvest and recent 10-year average harvest, from 1878 to 2011.



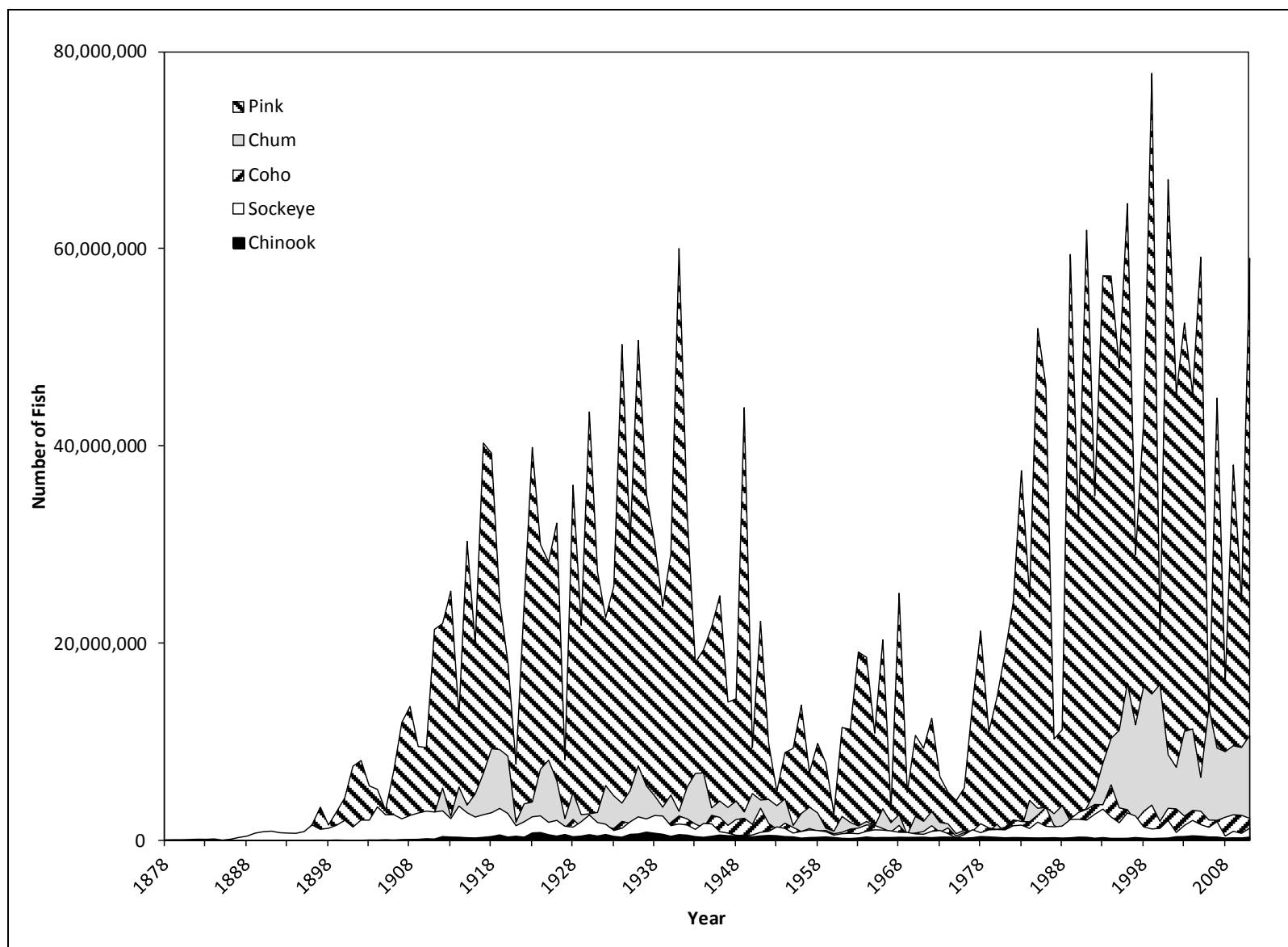


Figure 5.—Region I (Southeast Alaska and Yakutat) historical salmon harvest by species and season, 1878 to 2011.

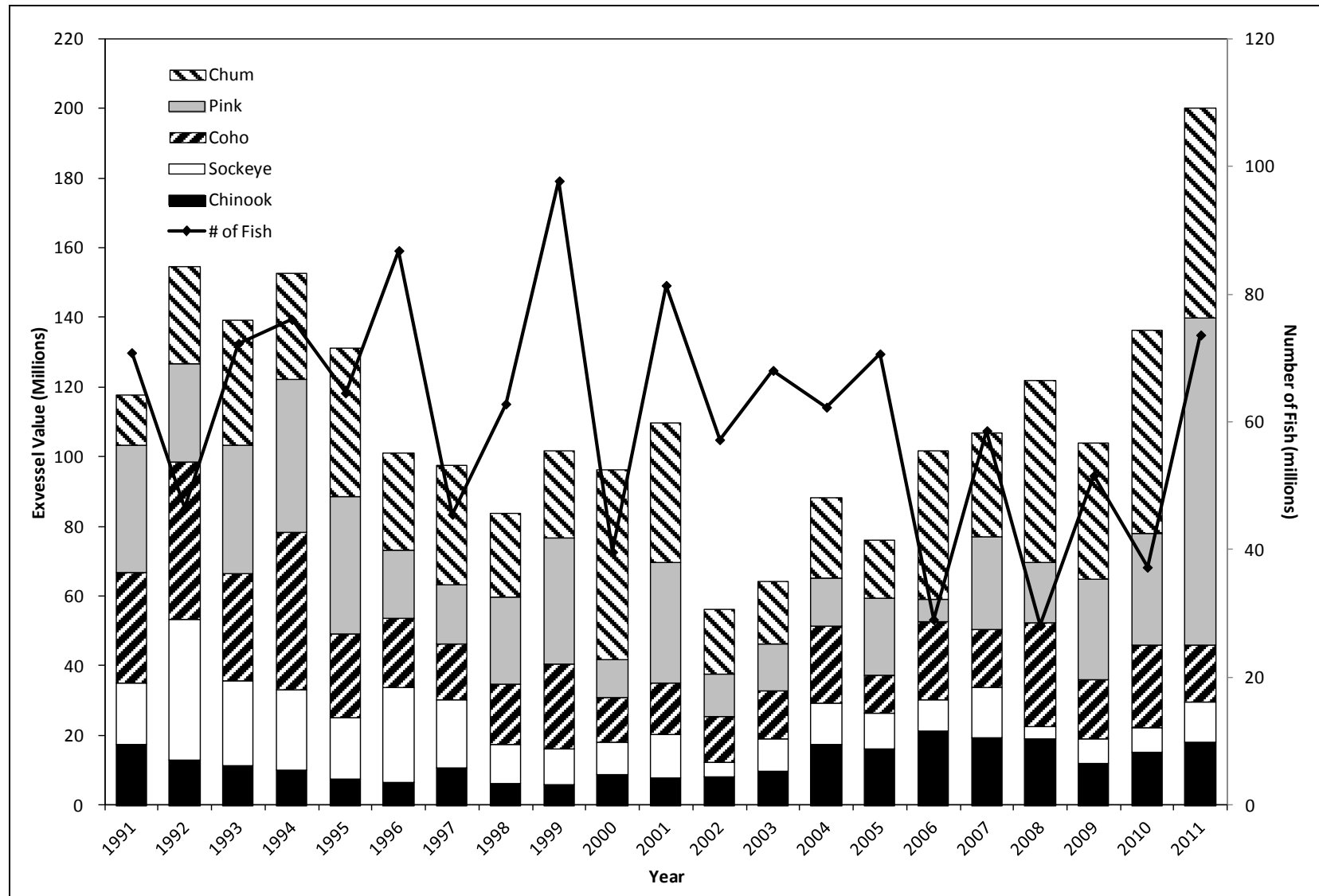


Figure 6.—Exvessel value (in 2011-adjusted dollars) by species and season, and number of salmon harvested by season, 1988 to 2011.

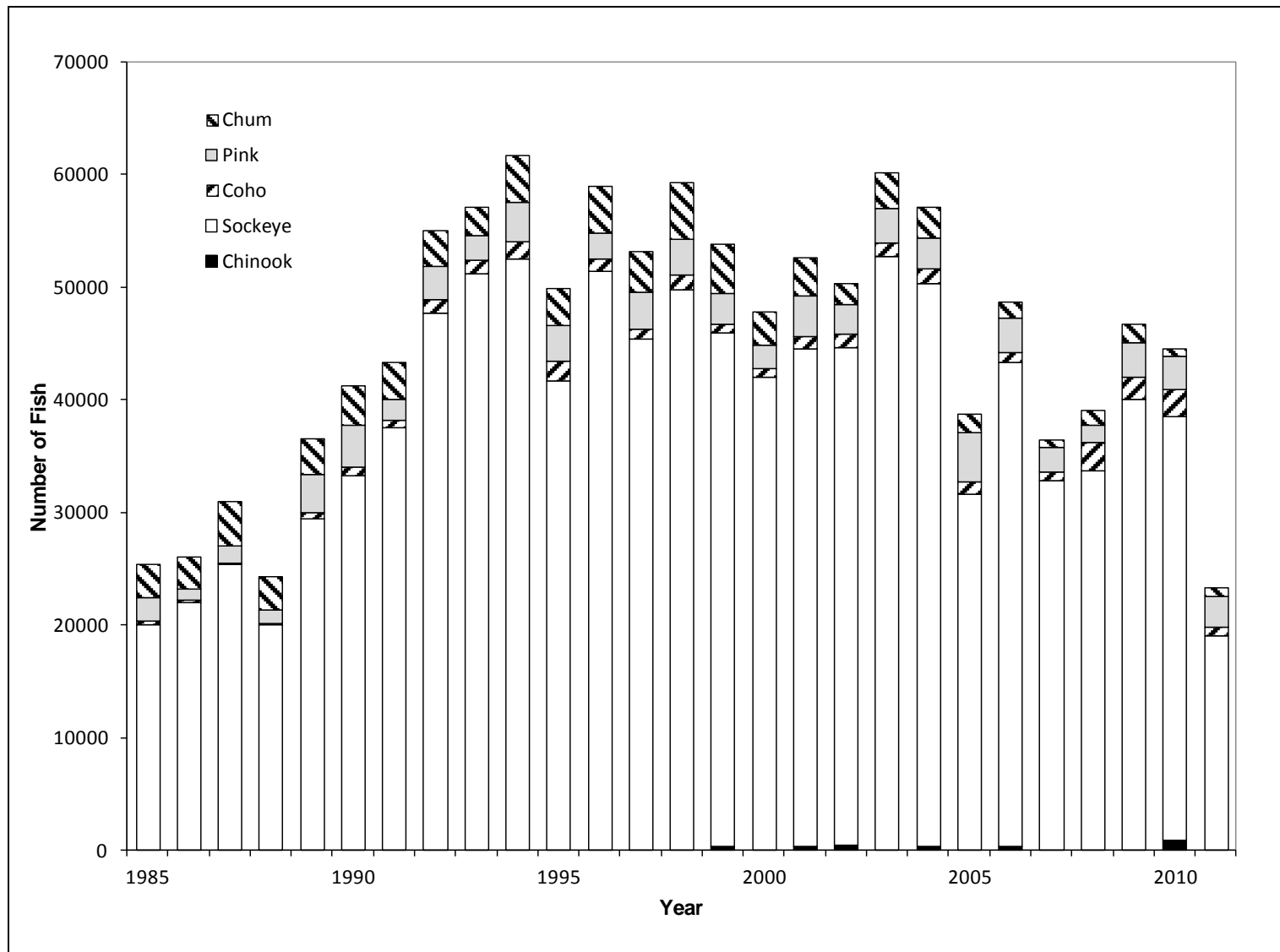


Figure 7.—Number of fish harvested in the subsistence/personal use fishery, by species, for Southeast Alaska, 1985 to 2011.

*Note:* Harvest information for 2010 is preliminary when report issued because only 54% of permits have been returned.

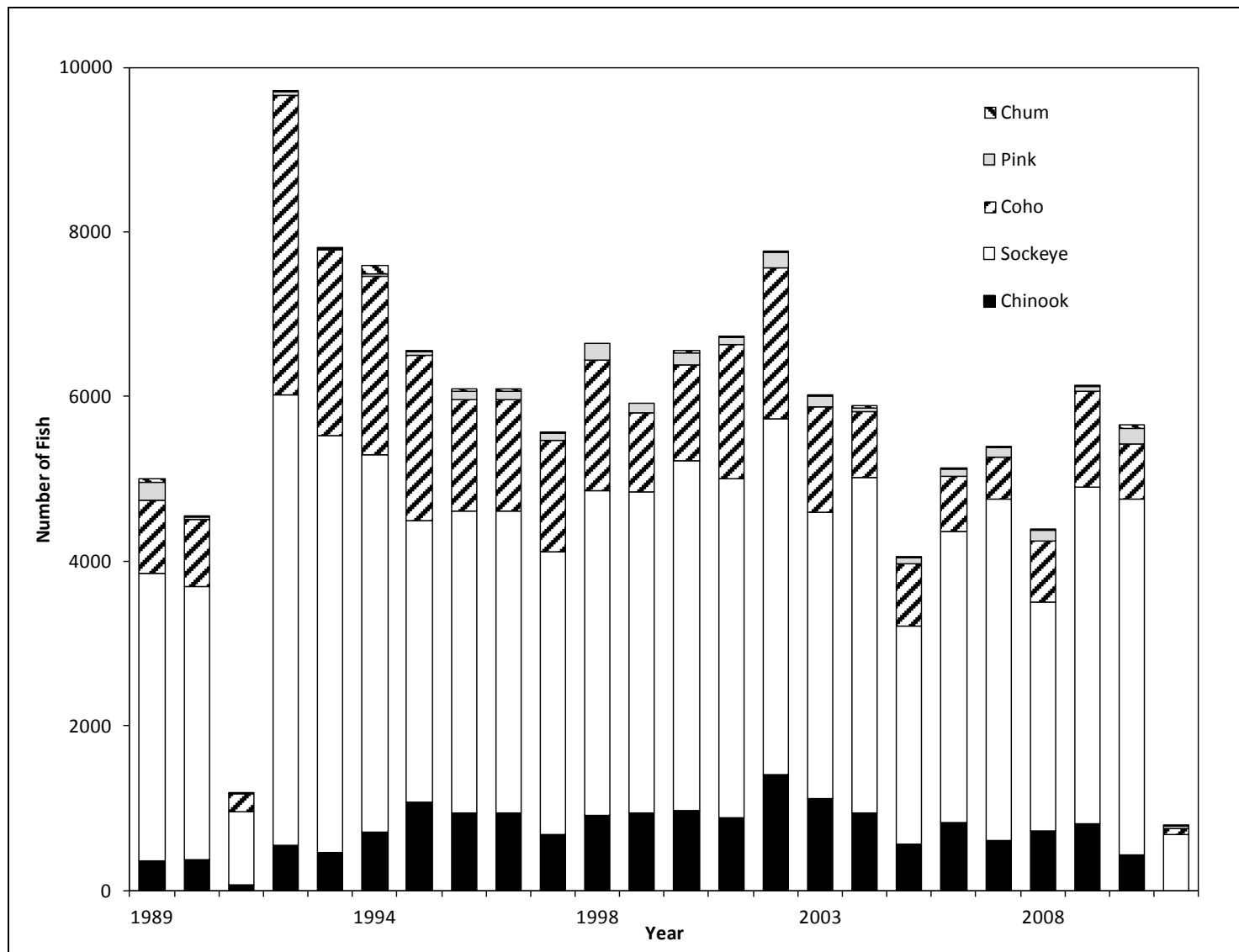


Figure 8.—Number of fish harvested, by species, in the Yakutat subsistence/personal use fishery, 1985 to 2011.

*Note:* Harvest information for 2011 is preliminary when report issued because only 18% of permits have been returned.