

Fishery Data Series No. 15-04

**Estimates of Participation, Catch, and Harvest in
Alaska Sport Fisheries During 2011**

by

Gretchen B. Jennings,

Kathrin Sundet,

and

Allen E. Bingham

January 2015

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

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Gretchen B. Jennings,

Kathrin Sundet,

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Allen E. Bingham,

Alaska Department of Fish and Game

Division of Sport Fish, Research and Technical Services, Anchorage

Alaska Department of Fish and Game
Division of Sport Fish, Research and Technical Services
333 Raspberry Road, Anchorage, Alaska, 99518-1599

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*Gretchen B. Jennings, Kathrin Sundet, and Allen E. Bingham
Alaska Department of Fish and Game, Division of Sport Fish, Research and Technical Services
333 Raspberry Road, Anchorage, AK 99518-1599, USA*

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ADF&G, Division of Sport Fish, Research and Technical Services, 333 Raspberry Road, Anchorage AK 99518 (907)267-2375.

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PREFACE

A full text Adobe PDF file of this report, as well as summaries of 2011 and prior-year estimates, are available via the division's Internet site. This report can be found under the Sport Fish Publications section at <http://www.adfg.alaska.gov/sf/publications/index.cfm>. This site also contains detailed tabulations for harvest and participation for 1977 through 2010, in Mills 1979-1980, 1981a-b, 1982-1994; Howe et al. 1995-1996, 2001a-d; Walker et al. 2003 and Jennings et al. 2004, 2006a-b, 2007, 2009a-b, 2010a-b, and 2011a-b.

Summaries of sportfishing participation catch and harvest for 1996-2011 are displayed at:

<http://www.adfg.alaska.gov/sf/sportfishingsurvey/>

This report documents participation, catch, and harvest for 2011, which are tabulated by region, area, fishery, and species in Section 2.

ABSTRACT

Since 1977, the Alaska Department of Fish and Game has conducted an annual mail survey to estimate sport fishing participation and harvests (fish kept) statewide by Alaska fisheries, areas, regions, and species. Since 1990, catches (fish harvested plus fish released) have also been estimated. Detailed findings are presented for 2011. In 2011, an estimated 443,904 anglers fished 1,919,313 days and kept 2,677,077 of 5,921,696 fish caught.

Key words: Alaska, sport, fish, fisheries, fishing, catch, harvest, angler, angler-days, survey, Pacific salmon, trout, char, Arctic grayling, northern pike, whitefish, burbot, smelt, Pacific halibut, rockfish, lingcod, Pacific cod, crab, shrimp, shark, razor clams, Alaska Statewide Harvest Survey, Statewide Harvest Survey, SWHS.

INTRODUCTION

Information on where sport fishing occurs, the extent of participation, the preferences of participants, and the species and numbers of major game fishes being caught and harvested¹ is essential for regulation and management of Alaska's sport fisheries and for total regulation, management, and harvest allocation for multiple-use fisheries. In addition, this information is needed for establishing priorities; for formulating policies; for budgeting; for planning and evaluating rehabilitation, enhancement, stocking, habitat protection, and access acquisition projects; for stock assessment; for forecasting; for gauging the economic and social significance of sport fishing; and for satisfying requests for information from individuals, special interest groups, governmental agencies, and the recreational industry.

Because of Alaska's large geographic size, meeting all these information requirements through the implementation of numerous onsite creel surveys throughout the state would be prohibitively expensive, thus an alternative program has been developed. Described herein are results from the thirty-fifth year of that program.

The Alaska Department of Fish and Game, Division of Sport Fish (SF) administers an annual survey of households where at least one person acquired some type of sport fishing license. Survey participants were asked general questions about the size of their household and the number of people who procured a license and sport fished during 2011. Participants were then asked to provide information about their fishing activities; including where they fished, how many people fished, whether or not they utilized a charter/guide and the species they caught and kept. Maps and definitions were provided to assist the participant in accurately identifying where they fished and what species they caught.

¹ Harvest is defined as fish kept, whereas catch is defined as fish harvested plus fish released.

SECTION 1: ALASKA STATEWIDE HARVEST SURVEY 2011

OBJECTIVE

The primary objective of this project was to estimate participation, catch, and harvest for Alaska sport-caught species statewide, by area, and by fishery such that statewide estimates of participation and harvest would be within 15% of actual values 95% of the time.

The estimated harvests of sport fish are primarily interpretable as descriptive of the legal take for each fish species. There is no attempt to estimate illegal harvest of fish in Alaska. Specifically, individuals who fail to obtain a sport fishing license or are otherwise unauthorized to catch and harvest fish are not part of the sampling frame, and as such cannot be included in the estimation process.

METHODS

OVERALL STUDY DESIGN

In previous years, two types of surveys were conducted to estimate participation, effort, catch, and harvest of Alaska sport-caught fish. The Standard survey was conducted in a manner similar to the surveys that have been conducted annually since 1977. The Supplementary survey was conducted to obtain estimates of some parameters that could not be obtained from the Standard survey. Both surveys involved a stratified random sampling design, as described in general and in more detail in the appropriate subsections below.

In 2009, a test survey was conducted with a sample of 10,000 households. The objective of the test was to create a single survey booklet format that would replace the two-booklet format used since 1990. The results of the 2009 test indicated that the use of a single booklet format that incorporates elements of design from both of the previous booklets would render results that would be comparable to previous years' studies (Jennings et. Al 2015). As a result of this testing, a new single-booklet format of the Alaska Sport Fishing Survey was used starting in 2011 to produce the results presented in this report.

The sample frame for the 2011 survey was based on the list of 2011 sport fishing licenses sold, and on the 2011 file of Permanent Identification (PID) or Disabled Veteran (DAV) permit holders. A PID is a free license issued on request to Alaska residents of at least one year who are 60 years of age or older. A DAV is issued upon request and without charge to disabled veterans. As in past survey years, angler households² were considered the sampling unit and determined from a file combining the list of sport fishing licenses and the PID/DAV file based on a combination of names,

² Resident and nonresident anglers who purchased a sport fishing license or held a PID/DAV license were grouped into households based upon shared name, address, etc.

addresses, type of residence, and age, and stratified by area of residence. Stratified random samples of households containing at least one licensed angler were selected for each survey type, and a printed questionnaire was mailed to the selected households. Households that did not respond to the first mailing were sent a complete survey packet reminder, and those who did not respond after the second mailing, were sent a third complete survey packet.

Records were kept of the response, nonresponse, or inability of the postal service to perform delivery for each household that was mailed a survey. The location codes for the various fisheries statewide included in completed surveys were verified and corrected as necessary on the original survey forms. Completed surveys with fishery location names that were written in by respondents without associated location codes were manually assigned location codes based on the project's database of valid sites. Any coding changes at this stage were annotated on the original survey form.

Data entry of the general information, catch, harvest, participation and effort data were completed by data processing personnel. The data were organized into a general information file pertaining to household size, license purchases and number of anglers, and a file of effort, harvest and catch data. After data entry, the survey forms were scanned into computer file images for future review.

Computer editing procedures included checking species, location and effort, harvest and catch values, and compiling response summaries based on the mailings and reminder tallies. During this process, SF biologists were consulted to evaluate questionable responses and estimates. Manual edits were annotated on the scanned images, and programmatic edits were tracked in computer listings.

The resulting edited values of harvest, catch and effort were averaged over all responses from the households sampled within each stratum. These averages were then expanded into preliminary total estimates for the overall sample frame based on the combined list of sport fishing licenses sold and PID/DAVs issued and mailing response summaries. Preliminary estimates were reviewed by SF biologists for potential errors (incorrect species by location, outlier estimates, etc). Those estimates flagged by SF biologists were then researched by project staff and survey data were edited as necessary prior to calculating the final estimates.

SAMPLE SURVEY DESIGN

License Holder Identification

The source of the households selected to be sampled in this survey was a combination of the list of sport fishing licenses issued in 2011 (2011 Sport License File) and the most current file of PID and DAV permits as of August 2011. The Sport License File is a list of all sport fishing licenses sold to individuals in Alaska that were valid for the 2011 calendar year. It was updated throughout the year as license sales were reported to the Licensing Section of the Division of Administrative Services. The PID/DAV holders list consists of all individuals who were issued a PID from 1987 through August of 2011 and of all individuals who were issued a DAV permit from 1998 through August 2011. Both PIDs and DAVs are issued by the Department of Fish and Game. A PID or DAV is valid for both hunting and fishing³. Some PID/DAV holders may not have fished or hunted in 2011.

³ Both PID and DAV licenses are permanent and valid as long as the holder meets the requirement of Alaska residency.

Angler Household Identification

Questionnaires (described below) were mailed to 47,000 sport fishing households from the incomplete 2011 sport fishing household computer file. This computer file consisted of identifying information for households with either: at least one individual who purchased a sport fishing license in 2011, or at least one individual holding a PID or DAV card. The definition of sport fishing households is the same as has been used since the 1994 survey year.

The sport fishing household list was termed ‘incomplete’ at the time of sampling because 1) most individuals who purchase sport fishing licenses or are issued PIDs or DAVs after August 2011 were not in the list, and 2) some of the names or addresses on the Sport License File were incomplete or illegible to the degree that they could not be used for sampling. PIDs can and have been re-issued under another number to the same individual. Newly-issued PIDs were checked against existing PID information to identify duplicates. In addition, information from the prior year survey (updated address, mortality) was used to update the PID file. The same data checks that were applied to the PID files were applied to the records for DAV licenses. The identification of sport fishing households involved combining and processing the incomplete Sport License File and PID/DAV holder list. The processing described below was to identify individuals who were likely to be members of the same household as determined by the similarity of such attributes as last names, mailing address, consecutive license numbers, etc. The identification process was assumed to be imperfect but was implemented in the interest of reducing the likelihood of sending multiple surveys to the same household and to obviate the need for more complicated and expensive estimation procedures.

The initial step of household identification involved reviewing the identifying information for licenses containing foreign and military addresses from the incomplete Sport License File. These licenses were reviewed for completeness, accuracy, and consistency. All other licenses, DAV, and PID holders with a U.S. address were processed for address validity by the commercial software package Smart Marketing Suite⁴.

Next, the combined list of 2011 license holders was ordered by license number. A substantial number of individuals from the same household purchased their licenses at the same time from the same vendor and same license booklet. This was particularly true for nonresident households. A computer program checked adjacent licenses for matching state, city, street address, and last names. Adjacent licenses with multiple matches were flagged as possible duplicate household members.

The combined list of license and PID/DAV holders was next ordered by state, city, street address, and last name. Adjacent members in this sorted list matching in all these fields were flagged as duplicate household members. Adjacent members in this list with matching street addresses but different last names or same last names and different street addresses were flagged as possible duplicates. Licenses flagged as possible duplicates were visually reviewed and a determination was made as to whether or not they constitute a household.

Once unique households had been identified, records for duplicate members from the same household were eliminated from the file to which the sample selection criteria were applied. Additionally, anglers who have self-identified in previous years that they never wish to participate in the Alaska Statewide Harvest Survey were also removed from the sampling frame. The

⁴ Product name is included for complete description of process, and does not constitute a product endorsement.

remaining records – having been defined as unique households – were then split by strata (see *Stratification* section), and a random sample was drawn from each strata to participate in the survey.

Stratification

After completion of the process to identify the 2011 list of unique sport fishing households, the household list was stratified into the following residential strata (based on the mailing address):

1. Alaska residents;
2. Other U.S. residents (including territories and other U.S. possessions);
3. Canadian residents; and
4. Other foreign residents.

These strata have been identified and defined so that each household within each stratum has an equal probability of being surveyed. Previous surveys have indicated that the response rates of these demographic groups differ sufficiently to justify stratification. Additionally, the sport fishing household file is incomplete at the time of the initial mailing and the degree of incompleteness differs for these strata (for example, the Other Foreign Residents stratum consistently has the highest degree of incomplete or illegible addresses). Accordingly, if a simple random sample were used without stratification, the resultant combined probabilities of sample selection and response to the survey would differ for the individual households. This same stratification structure has been used since the 1993 survey.

Ideally, each sampling stratum should be surveyed when the corresponding sampling frame was nearly complete. However, delays in the return of late season license purchases by vendors and the subsequent entry of the data by the Licensing Section would result in an unacceptable delay in surveying households that purchase licenses earlier in the year. This issue has been addressed since 1999 using a split-sampling procedure. The split-sampling involves first sending questionnaires to households that purchased their licenses early⁵ in the calendar year as soon as most of those licenses have been entered into the license file. Subsequently, the households with late⁶ license purchases were sent questionnaires later in the year, when they were more likely to be represented in the license file. During 2011, the geographic distribution (i.e., location of license sale) of the household computer file was deemed sufficiently representative at the time planned for the both resident⁷ and nonresident⁸ **early** license samples. The specifics of sample selection and schedule for surveying the residents and nonresidents are outlined below.

The mailing schedule called for grouping the sampling strata as follows (in terms of date of first mailing): 1) *Resident Early Mailing Group* included the **early** Alaska resident stratum, 2) *Resident Late Mailing Group* included the **late** Alaska resident stratum, 3) *Nonresident Early Mailing Group* included the **early** other USA, Canadian, and other foreign resident strata, and 4) the

⁵ Historically, the early license sales split-sample group is defined separately for the residents (Alaskan stratum) versus nonresidents (all other strata). In 2011, during the planning phases of the survey, the resident early split-sample group was defined as households with licenses purchased between January 1 and June 30, the nonresident early split-sample group was defined as households with licenses purchased between January 1 and July 17.

⁶ Defined during the planning for the 2011 survey as license sales after June 30 for residents and after July 17 for nonresidents.

⁷ “Residents” refers to the Alaska residents sampling stratum.

⁸ “Nonresidents” refers to the combination of the Other USA, Canadian and Other Foreign sampling strata.

Nonresident Late Mailing Group included the **late** other USA, Canadian, and other foreign resident strata.

Sample Sizes

Sample sizes for each stratum were set based on historic sampling levels that have achieved the objective criteria for precision as established in the project operational plan in conjunction with observed response rates for the 2010 survey.

Sample size allocations were set to be proportional to the relative stratum sizes (number of households per stratum) as approximated by the estimated stratum sizes from the 2010 survey. The resultant sample size and corresponding historic values, and expected response statistics follow (Table 1.1).

Table 1.1.–Sample sizes, mailing numbers and responses for the 2011 questionnaire mailings.

Mailing group	Relative size of mailing group (2010)	Number of households to be mailed surveys in 2011 (1st mailing)	Expected number of responses for 2011 after all reminders	Relative size of expected responses ^a	Observed number of responses for 2011 after all reminders	Relative size of observed responses ^b
Early Alaska Resident	34.53%	14,024	6,636	34.12%	5,878	33.86%
Late Alaska Resident	14.80%	8,460	2,910	14.96%	2,480	14.28%
Early Nonresident	25.34%	11,240	4,992	25.66%	4,502	25.93%
Late Nonresident	25.34%	13,276	4,913	25.26%	4,502	25.93%
Over All Strata	100.00%	47,000	19,451	100.00%	17,362	100.00%

^a Relative size of expected responses = expected number of responses for 2011 by mailing group divided by expected number of responses for 2011 over all mailing groups times 100%.

^b Relative size of observed responses = Observed number of responses for 2011 by mailing group divided by number of responses for 2011 over all mailing groups times 100%.

Sample Selection

The Sport License File available in mid-September 2011 for the Alaska Resident sample selection contained comparatively few sales that occurred after June 30. Accordingly, July and beyond sales were not well represented in the file and the following approach was used for the resident sample selection. Based on historic sales information, July and beyond resident license sales represent about 30% of the total annual resident license sales. Thus, 70% of the total resident sample was selected from the January through June sales on the Sport License File available in mid-September 2011, representing the **early** group. The remaining 30% of the sample was drawn from a version of the Sport License File that was available in late December 2011 and included only those households that purchased licenses after June 30, 2011 representing the **late** group. Households selected in the 70% **early** sample were excluded from selection in the final **late** sample.

Similarly, the Sport License File available at the end of October for the nonresident sample selection contained relatively few sales that occurred after July 17, 2011. Accordingly, sales beyond that date were not well represented in the file, and the split-sample approach was again used to address this issue. Based on historic sales information, approximately 50% of the total nonresident license sales occur January through mid-July, while the remaining 50% of nonresident license sales occur after mid-July. Thus, 50% of the total nonresident sample was selected from

January through July 17 **early** sales in the file available at the end of October. The remaining 50% of the sample was taken from sales after July 17, 2011 (**late**) on the license file that was available in early January 2012. As with the resident sample selection process, nonresident households selected in **early** split-sample groups were subsequently excluded from selection for the **late** split-sample groups.

To avoid sending any individual household more than one survey (to reduce respondent burden) random samples were drawn for each stratum and split-sample group within the unique angler household file. The example below describes the process for the early license sales Alaska Residents stratum:

- Randomly selected, without replacement, 14,024 households from the Alaska resident households in the incomplete sport fishing household file of **early** license sales.
- Then randomly selected, without replacement, from these 14,024 (selected) Alaskan resident households, four sets of 3,506 households. Each group of 3,506 households were sent a slightly different version of the survey booklet to reduce the potential for potential page order, water type, and guided/unguided response effects⁹. The booklets were printed with different page layouts and page orders, described as follows;
 - Kenai Freshwater/Cook Inlet pages followed by Saltwater and Freshwater pages, with the guided/chartered questions asked first (at the top of the page)
 - Kenai Freshwater/Cook Inlet pages followed by Saltwater and Freshwater pages, with the nonguided/nonchartered questions asked first (at the top of the page)
 - Saltwater and Freshwater pages followed by Kenai Freshwater/Cook Inlet pages, with the guided/chartered questions asked first.
 - Saltwater and Freshwater pages followed by Kenai Freshwater/Cook Inlet pages, with the nonguided/nonchartered questions asked first.

Mailing Schedule

Reminder letters and questionnaires were mailed to first-time and second-time nonrespondents for all resident split-sample groups and the *early mailing group* of the nonresident strata. **First-time** nonrespondents for the *late mailing group* of the nonresident strata were mailed a reminder letter and survey. No reminder letter was mailed to **second-time** nonrespondents of the *late mailing group* of the nonresident strata due to data collection calendar constraints and concern about recall. This resulted in the first and last mailings occurring on October 21, 2011 and April 12, 2012, respectively (Table 1.2). The rationale for using multiple waves of questionnaires is described by El-Badry (1956).

Prior to the 2006 survey, all strata (and the corresponding mailing groups) were all sent three mailings. In order to send out three mailings for the Nonresident mailing groups and still receive all responses by April-May of the following year, the days to respond to the previous mailing was shortened to a level that has subsequently deemed to be inadequate. The various Nonresident Mailing groups' households by definition are expected to receive questionnaires after a greater lapse of time than the corresponding Resident Mailing groups. Similarly, receipt of their responses takes longer to transit by the mail to be received for processing. In previous years a substantial

⁹ The four different layouts of the questionnaire are described later in this report.

number of responses to the 1st and 2nd mailing for the Nonresident mailing groups would be received after sending the same households the corresponding reminder. Accordingly, starting in 2006 and continuing with this year, the third mailing (second reminder) was dropped for the Late Nonresident mailing group, to allow for more time for response between mailings and still produce estimates by the June 2012 time frame. The initial (first mailing) sample sizes were expanded upwards for this mailing group to compensate for the loss of response that would have been expected to result from a third mailing. Estimation procedures have been adapted to address this change in study design, and are outlined under the *Data Analysis* heading.

Table 1.2.–Mailing schedule for the 2011 survey.

Residency	Mailing number	Labels drawn by RTS	Labels to Assets/Data processing ^a	Survey to Post Office	Days for household response ^b
Resident	1 - early	09/30/11	10/03/11	10/21/11	
	1 - late	01/03/12	01/04/12	01/13/12	
Nonresident (Other US)	1 - early	11/10/11	11/14/11	11/29/11	
	1 - late	01/13/12	01/17/12	02/01/12	
Nonresident (Canadian and Other Foreign) ^c	1 - early	11/10/11	11/14/11	11/17/11	
	1 - late	01/13/12	01/17/12	01/20/12	
Resident	2 - early	11/29/11	11/30/11	12/13/11	38
	2 - late	02/23/12	02/24/12	03/05/12	40
Nonresident (Other US)	2 - early	02/01/12	02/02/12	02/10/12	62
	2 - late	03/13/12	03/14/12	03/26/12	42
Nonresident (Canadian and Other Foreign) ^c	2 - early	02/01/12	02/02/12	02/06/12	74
	2 - late	03/13/12	03/14/12	03/26/12	53
Resident	3 - early	02/13/12	02/14/12	02/23/12	60
	3 - late	04/04/12	04/05/12	04/12/12	29
Nonresident (Other US)	3 - early	03/27/12	03/28/12	04/04/12	47
Nonresident (Canadian and Other Foreign) ^c	3 - early	03/27/12	03/28/12	03/30/12	50

^a Labels for Other US residents are processed at our mailing house – Assets, Inc. Mailings to Canadian and other foreign addresses are processed by SF Data Processing. As a general rule, the mailing house can process 1,000 pieces per day. This figure is used when calculating the number of days for processing once labels are received.

^b Difference between date of previous mailing delivered to Post Office and date labels for current mailing are drawn.

^c Booklets being sent to the foreign segment (Canadian and Other Foreign) of the Nonresident strata will go to the Post Office earlier than the Other USA addresses to allow for more time in transit.

DATA COLLECTION – QUESTIONNAIRES

Data on 2011 sport fishing activities by resident and nonresident households were collected using mailed questionnaires. The 2011 survey questionnaire was essentially the same layout as the single-booklet format tested in 2009 (Jennings et al. *in prep*). 2011 is the first year the new single-booklet layout was used. Minor revisions to the survey from used in the 2009 test were made per the recommendations by project staff in the report. Personal Use finfish information was collected solely as a placeholder, to prevent this information from being mistakenly recorded as sport fishing information. A final 2011 questionnaire is included (Appendix A1) and consisted of a cover letter, survey booklet, a mapsite booklet that provided maps to assist participants with locating where their effort, catch and harvest occurred, and a postage paid return envelope. Also included with the survey was a full-color index of fish species with pictures and descriptions to aid the respondent

in the identification of fish harvested (Appendix A6) and serves as an incentive to participate in the survey.

Sport fishing participation, catch and harvest data for finfish and shellfish were collected for all areas and fishing locations in the state (Figure 2.1; Table 2.1). Participation and harvest for personal use dip-net caught fish were collected for appropriate fisheries statewide. Catch and harvest data were collected on a site and species basis; whereas the number of anglers, number of trips, and number of days fished were collected on a site-specific basis only.

Participants were asked to not report any commercial or subsistence fishing activity. However, space was provided in the survey booklet for recording personal use finfish dipnetting and shellfish harvest in order to separate such effort, and harvest from estimates of sport fishing effort, catch, and harvest. Space in the questionnaire was also provided for respondents to comment on ways to improve sport fishing in Alaska.

Survey-questionnaires were mailed to 47,000 (Table 1.1) sport fishing households from the incomplete 2011 sport fishing household file for the first mailing, with reminder letters (Appendices A3 and A4) and questionnaires mailed to first-time and second-time nonrespondents as described previously (Table 1.2).

Each mailing of the survey had a cover letter and the survey booklet was printed with different color ink for data processing purposes. The cover letters for all mailings bore the signature of the Director of the Division of Sport Fish (Appendices A2–A4).

As noted above, four different versions of the questionnaire were used in 2011. The order of guided/charter related fishing activities was reversed in the page layout. Additionally, the page order was also reversed as defined previously.

The 2011 survey questionnaire had the following main sections:

- Saltwater sport fishing, charter;
- Saltwater sport fishing, non-charter;
- Freshwater sport fishing, guided;
- Freshwater sport fishing, non-guided;
- Kenai Peninsula Freshwater sport fishing, guided;
- Kenai Peninsula Freshwater sport fishing, non-guided;
- Cook Inlet Saltwater, charter;
- Cook Inlet Saltwater, non-charter
- Personal Use Dipnetting (salmon only), guided;
- Personal Use Dipnetting (salmon only), non-guided;
- Shellfish, guided; and
- Shellfish, non-guided.

The survey booklet included a definition for chartered/guided. The Saltwater Sport Fishing pages provided additional information for exact specifications of large vs. small Chinook “king” salmon *Oncorhynchus tshawytscha* based on where fish were caught.

DATA HANDLING AND ENTRY

Response Review and Coding

The returned surveys were reviewed and coded by project staff before data entry. This coding involved:

- Transfer of the fishing license number to the General Questions page and to each harvest page containing information;
- Review and coding of all entries per specified procedures;
- Mapping of new sites (i.e., names of fishing sites that anglers wrote in, but that did not yet have a designated site code) to the proper geographic areas; and
- Maintenance of a breakdown table by area of the Other Species category.

Additional review and coding processes were conducted prior to data entry to address issues related to the data collected from responses to the General Questions Page (Page 3 of all booklet types; see Appendix A). The review and coding processes are summarized below:

- If there were participation, catch and harvest data, but no information on the General Questions page, the fishing license number was still transcribed and entered into the database. If a questionnaire was returned completely blank, the license number was written on the General Questions page to be captured.
- Unless there were supportive written comments that were specific (e.g., “None”, which was coded as zero), all blank fields were left blank and not coded.
- General question 1A asked for the number of household members that purchased a sport fishing license, including those who did not fish. A sport fishing license is required of all persons 16 years of age or older while sport fishing, including digging razor clams.
- General question 1B asked for the number of household members that purchased a sport fishing license (1A) AND who also sport fished. Occasionally respondents erroneously included household members under age 16 or age 60 and over that fished.
- General question 2A asked for number of household members under age 16 who sport fished. A sport fishing license is not required of persons under 16 years of age.
- General question 2B asked for number of household members that are Alaska residents 60 years of age or older who hold a PID, or DAV for Alaska sport fishing. If no response was given, the space was left blank.
- General question 2C asked for the number of PID or DAV card holders who sport fished. If no response was given, the space was left blank.
- General question 3 asked for the total number of household members in the household that sport fished in Alaska during 2011. This question is used as a check of data provided in questions 1A-2C.
- There was a space provided for comments on sport fishing in Alaska and for suggestions on how to improve it in the future. If a questionnaire was returned without any response to the general questions (i.e., blank) and no supportive written comment, yet there are pages of data, parameters 1A and 1B were identified for possible correction (as described below: *Computer Based Editing*).

Following the review and coding of the general questions on page 3 of the survey booklet, review and coding of the reported location, effort, catch, and harvest information were conducted as follows:

- Location references or codes provided by respondent were reviewed and corrected if in error.
- Instructions requested that both the number of fish caught and the number of fish kept be reported in the labeled columns. If the reported catch was less than the reported harvest, the numbers were reversed.
- If a write-in species of fish was reported, the data coder checked to see if it could be transferred to one of the labeled species columns. A list of species synonyms is on file (Table 2.1). A list of write-in species that cannot be transferred is maintained by the data entry software. If no harvest was reported or if the species was not a fish or shellfish (e.g., seals), it was not captured.
- Each fishing site in the survey responses is usually represented by a unique location code in the annual electronic survey sites file. Occasionally, there are responses where a new fishing site is written in by a respondent. The specific location and geographic coordinates of these previously unreported fishing sites were identified using National Geographic's TOPO[®] software or ESRI ArcGIS software. If not available in TOPO or ArcGIS, these sites were located using Orth (1971) or the Alaska Department of Fish and Game (ADF&G) Internet stocked sites listings database. SF biologists were asked to provide maps, coordinates, and other relevant information for sites not found with the above sources. For each new site, a unique location code was assigned, and the location code was added to the survey sites file (Sites File) along with the site name, latitude and longitude, water type and fish type, codes for valid species, land-locked and stocking status, and comments pertaining to this new fishery. When applicable, valid species were verified through the Anadromous Waters Catalogs (Johnson and Blanche 2011 a-f). Each new location code was written adjacent to the write-in fishing site in the questionnaire. New sites are being added to an Arcview-based GIS currently under development.

Data Entry

Following review and coding, data entry of the general information, catch, harvest, participation, and effort data were completed by data processing personnel. Data entry instructions are reviewed and updated annually.

For data entry purposes the questionnaires are viewed as two record types: 1) general information; and 2) harvest, catch, effort and participation information.

Throughout the data entry process, the data were reformatted into two fixed record length tables. The general information table contained the following information from the General Questions page of completed surveys:

- The number of people in the household who purchased sport fishing licenses in 2011,
- The number of those who purchased a license AND sport fished in 2011.
- The number of PID/DAV holders that are members in the household,
- The number of members under age 16 not required to purchase a sport fishing license in the household in 2011, and
- The number of PID/DAV holders, and household members under age 16, who sport fished in Alaska during 2011.

The harvest information table contains information about each occurrence of fishing indicated by any household angler. This information includes the following;

- Where the fishing took place (site),
- Whether it was freshwater or saltwater (watertype),
- Whether it was chartered/guided,
- Whether it was from boat or shore,
- The number of household anglers who fished at that location,
- The number of household trips to that location,
- The sum of each household angler's days fished at that location, and
- The number of fish caught and kept – by species – at that location.

Survey Forms Image Scans

Prior to data entry, each survey questionnaire was scanned in color and output as an image file. These images were then accessed from a desktop computer via selection of the survey ID number. This approach allowed images of questionable records to be retrieved electronically, rather than by sorting through boxes to find the paper original. The interface also allowed project staff, primarily research analysts, to add comments about post data-entry interpretation of the record. Once estimation was completed, the image files were archived and transferred to DVDs for long-term storage. Paper surveys were recycled.

Computer-Based Editing

While some response errors were detected by the data coders (e.g., information recorded on the incorrect Area page), the majority of data errors or problems were detected and addressed using computer-based editing programs. The edit programs checked the data records for incorrect fishing site codes; inconsistent and potentially incorrect relationships between the number of members in the household, the number of anglers, number of trips, and number of days fished; fish harvest or catch at a site where that species is not known to be found; and data that indicate a higher than legal harvest. A summary of the computer-based editing follows.

Edits to General Information:

A computer edit program checked to see that line 1B (Number of persons recorded in 1A who sport fished in Alaska in 2011) was less than or equal to line 1A (Number of persons in your household who purchased a 2011 sport fishing license, including those who did not fish in Alaska).

Occasionally respondents filled in the general questions with zero (indicating that no anglers fished in that household) AND subsequently completed data pages indicating that sport fishing occurred. A computer edit program checked to see if there were completed data pages. If this occurred, the zeros on the general information page were replaced with the number of angler information from the completed data pages (harvest record).

The General Questions responses were also processed to compute a maximum number of household anglers who fished (TOTFSHRS). There were a variety of TOTFSHRS adjustments for situations where components were missing, exceeded 10 TOTFSHRS, or where the components exceeded the number of PIDs or license holders in the household. A check was made to verify that responses to questions 2A–2B on the general information page of the survey were

not recorded as a subtotal in 2C. If there were further discrepancies, household anglers who fished (HHFSHRS; response to General Question 3) was used to adjust TOTFSHRS. If none of this information was complete for the survey response, the largest number of anglers reported fishing at any site for this response was used for TOTFSHRS.

After all adjustments were completed and TOTFSHRS was calculated, any value for number of anglers on a reported harvest record that exceeded TOTFSHRS was set equal to TOTFSHRS. No adjustments were made to other effort variables, catch, or harvest data during this step.

The first check for the participation, effort, catch and harvest data was to ensure for each species that when harvest was greater than catch that catch was set equal to harvest. Also, records with razor clam and hardshell clam harvest equal to 0 and catch greater than 0, the harvest was set equal to catch.

Programs were then used to examine the participation variables of number of anglers (NA), the effort variables of number of trips (NT), and days fished (DF) and to impute missing values. One goal was to only change those fields with missing information and to not modify reported data. At the culmination of this process there were no 0 values (or blanks) for NA, NT, and DF in any records with reports of catch or harvest. To accomplish this, two passes were made through the data. The first pass used only those data records that were not missing one or more values for the NA, NT and DF variables, and for which $NA \leq DF$. For each site code, these records were then categorized as local and non-local¹⁰ to ultimately obtain an average trip length (AVG TRIP) in days fished. The general process was to impute missing values for NA first followed by DF, then NT.

- $NA = 0$:
 1. If $NT > 0$ and $DF > 0$ and $TOTFSHRS > 0$, then replace NA with TOTFSHRS.
 2. If $NT > 0$ and $DF = 0$, then NA and DF were replaced with TOTFSHRS.
 3. If $NT = 0$ and $DF > 0$, then NA was replaced with $\text{MIN}(TOTFSHRS, DF)$; NT was imputed later.
 4. If $NT = 0$ and $DF = 0$, then NA and DF were replaced with TOTFSHRS and NT was imputed later.
- $NA \neq 0$
 1. $NA > DF$ and $DF > 0$, then DF was replaced with NA.
 2. $NA > 0$ and $DF = 0$, then DF was replaced with NA.
- At this stage in the editing process both NA and DF have values > 0 , If $NT = 0$, then it was replaced with $(DF / NA) / \text{AVG TRIP}$ depending on angler category (i.e. local or non-local). If $NA < NT$ and $DF < (NA * NT)$, DF was replaced with the greater of DF or NT.

¹⁰ An angler household that resides within the area where the site occurs is local; all other anglers are non-local. Thus, under this definition, some Alaska residents would be grouped with nonresidents in the non-local group.

This approach for imputing missing data items was somewhat biased compared to a more principled approach to imputation. A comparison of ad hoc mean imputation for each missing value (for NA, DF, and NT) with a multiple imputation approach using Monte Carlo Markov chain data augmentation procedure (MI-MCMC) for the 1999 survey, indicated the missing data mechanism was missing completely at random (MCAR) (Rubin 1987, Schafer 1997). Accordingly, ignoring the missing data would be justified in this case. However, due to interdependencies between these effort variables and later data checks in the data processing sequence, it was determined that imputation was necessary to avoid overall biases in estimates of participation as well as catch and harvest parameters. The results from the imputation procedure outlined above compared favorably with both the simple mean imputation and the MI-MCMC imputation. Accordingly, the simpler approach, as described above, has been followed.

Edits to Harvest and Catch

Misidentified Species

The next data check identified records with species reported as caught or harvested that are not known to occur at a location. The general approach was to change the reported species to a species that does occur at the specific location based on guidance that was historically provided by SF biologists. If no specification for changing a species existed for the site, it was considered an invalid species for the location. Records containing invalid species were listed and manually reviewed.

In some cases, invalid species corrections were simple. Several invalid species records included cases where the anglers harvested only razor clams, but harvested them from a boat site. The edit programs were revised to move these records to the equivalent shoreline sites. The edit programs also changed anadromous coho salmon harvested from landlocked lakes stocked with landlocked salmon to landlocked salmon.

The remaining flagged records were checked against notes taken from contacts with SF biologists in previous years whose comments have been translated to a misidentification field in the annual sites file. Additional sources of information such as division reports, the ADF&G stocking database, the Anadromous Waters Catalog, and ADF&G emergency orders, were also consulted to determine the validity of a species. Based on this review, edit programs and the annual sites file were updated.

Finally, SF biologists were contacted concerning species that could not be confirmed as either correct or incorrect by the above approach. In some cases the respondent may have recorded the harvest in the wrong site. In other cases the respondent may have misidentified the species. If there were two or more possibilities for what the correct response should be, and none of the possibilities seemed more likely, then the species harvest and catch were zeroed out. Considering the possibility that species may be present that have not been previously encountered, and that species might move to new waters (i.e. northern pike in Southcentral Alaska), some of these records were left unaltered. In any of these cases, the biologist's opinion was followed and recorded, and the edit programs were updated to reflect their recommendations.

A list of 'other fish' write-ins was reviewed to determine if any species were recorded by several respondents for a location. When this occurred, area staff were contacted to determine the validity of the species in that location.

Legal Harvest

The objectives for this survey were directed at the estimation of legal sport harvest, under the assumptions that: 1) most respondents voluntarily stay within legal harvest limits, 2) respondents that purposely fail to stay within legal limits would not be expected to voluntarily report their illegal activities, and/or 3) individuals who fail to obtain a sport fishing license or are otherwise unauthorized to catch and harvest fish are not part of the sampling frame, and as such cannot be included in the estimation process. Therefore, reported harvest was checked against an annually updated database of daily and seasonal bag limits. Information on number of anglers, days fished, and angler residency was taken into account when editing records so they did not exceed the maximum legal harvests.

Listings of records flagged as exceeding legal bag limits were reviewed to compare the area and/or site specific sport fish harvest regulations for the year. Each rejected record was checked. If some records were rejected for harvests that actually fell within the site's bag limits, the records were noted for further review and the edit program was revised and rerun.

There is some circumstantial evidence that the reports of apparently illegal harvest of small Chinook salmon were misreports of large Chinook salmon in Southeast Alaska waters¹¹. Yet lacking strong evidence to the contrary, the assumption was that these were illegal harvest of small Chinook salmon and thus harvests were reduced to legal limits for the size category and location fished.

Outlier Detection

After misidentified species edits and legal harvest limits had been applied, outliers were identified. Because harvests above legal limits had already been reduced to legal harvest, and catch values were unaltered, outlier detection focused on effort and catch.

Scatter plots were generated for each species' catch and average catch per angler day versus angler days fished at the survey area level. An annual 'outlier' file identifies values above which the catch rate for each species at a given survey area flags the record as an outlier candidate. If a record was flagged, the survey image scan was reviewed to verify data entry, look for supporting comments, check effort, and review the validity of the site or species. Unless there were data entry errors or obvious effort recording problems, SF biologists were consulted to determine whether the record was an outlier, or if it was related to subsistence or personal use fishing. If the catch rates seemed high, but were determined reasonable by the biologist, the annual outlier file was edited to reflect larger catch rate thresholds. Most survey areas contain some sites with exceptionally high catch rates. These sites and their maximum catch rates were identified by SF biologists and were integrated as 'exceptions' to the outlier checks in the outlier detection program, along with explanations in the program code.

Scatter plots were also generated for Number of Anglers and Number of Trips versus Angler Days fished at the survey area level. These plots were checked for unusually large effort and participation values in view of residence, guided fishing, and geographic area. As with the catch

¹¹ During on-site surveys of select locations within Southeast Alaska (see Hubartt et al. 2002) the observed harvest of small Chinook salmon in fisheries where the taking of small Chinook salmon was illegal was negligible, if not nonexistent. It is supposed that some respondents to the mail survey mistakenly report their legal harvest of large Chinook salmon as the incorrect small Chinook salmon, since separate columns were used for the reporting of small versus large Chinook (see Appendix A1).

outlier candidates, scans were checked for records with unusually large effort and SF biologists were consulted as needed.

If a record was determined by a SF biologist to be an outlier, the entire record was removed. On average, this affects only 10–20 harvest file records out of 35,000+ records per year.

The editing programs described above produced listings that identified all changes made, record by record. This information was maintained in electronic form. Editing programs included comments/annotations explaining the nature of the code, identifying changes made from previous years, and issues that need to be addressed. If edits were made in the data entry screens rather than in editing programs, the associated survey image scans were annotated with electronic tags explaining the updates. The above three computer editing steps were performed iteratively until all identified errors and data issues had been corrected.

Calculation of Estimates

The procedure for calculation of the catch, harvest, and participation estimates required the following information from each household for the period of January 1 through December 31, 2011: 1) the number of licensees; 2) participation (number of anglers, trips, and days fished); and 3) number of fish caught and number of fish harvested by species and site. This information was pooled across split-samples within each residential stratum, then the catch or harvest for each species or participation for each site for each stratum was estimated by:

$$\hat{Y}_{hk} = \hat{N}_h \hat{R}_s \frac{\sum_{i=1}^{q_s} \sum_{j=1}^{n_{hi}} y_{hijk}}{\sum_{i=1}^{q_s} n_{hi}} \quad (1)$$

where:

\hat{Y}_{hk} = estimated total catch, harvest or participation for residential stratum h within site k ;

y_{hijk} = catch, harvest or participation at site k by household j responding to mailing i within residential stratum h ;

q_s = number of mailings sent to households within each of the mailing groups (denoted by “ s ”), set to 3 for the early and late resident mailing groups as well as the early Nonresident mailing group, and set to 2 for the late Nonresident mailing group;

n_{hi} = number of households responding to the mailing i within residential stratum h ;

\hat{N}_h = estimated number of households with at least one fishing license holder in 2011 for residential stratum h , calculated as:

$$(M_h + P_h) \hat{V}_h; \quad (2)$$

M_h = number of license holders residing in residential stratum h in 2011;

- P_h = equaled the total number unique Alaska residents holding a valid PID or DAV card (note that this term is only valid for the Alaska resident stratum (and specifically just the *Early Resident Mailing Group*), accordingly the value is set to zero (0) for the other mailing group's corresponding strata);
- \hat{V}_h = the estimated ratio of the number of households to license-holders and PID or DAV holders for each residential stratum, calculated from the respondents to the survey as:

$$\frac{\sum_{i=1}^{q_s} n_{hi}^\dagger}{\sum_{i=1}^{q_s} \sum_{j=1}^{n_{hi}^\dagger} (m_{hij} + p_{hij})}; \quad (3)$$

- n_{hi}^\dagger = the number of respondents to mailing i within residential stratum h who answered the questions regarding the number of sport fishing license and PID or DAV holders;
- m_{hij} = the reported number of sport fishing license holders in household j for mailing i within residential stratum h ;
- p_{hij} = the reported number of individual PID or DAV holders for household j for mailing i within residential stratum h ; and
- \hat{R}_s = Nonresponse ratio for each mailing group s where each mailing group represents a combination of the strata as follows:
- Resident Early, which only includes the Early Alaska stratum;
 - Resident Late, which only includes the Late Alaska stratum;
 - Nonresident Early, which includes the Early license sale groups for the Other USA, Canadian, and Other Foreign residential groups; and
 - Nonresident Late, which includes the Late license sale groups for the Other USA, Canadian, and Other Foreign residential groups.

The \hat{R}_s were obtained by simulation based upon exponential regression models for those households which did respond (analogously to the procedures outlined by Drane et al. 1993). The exponential regression model that is used has been shown over the years of the survey to fit the observed responses over the three mailings, and it essentially corresponds to the demonstrated relationship that nonrespondents tend to fish less frequently than respondents (Brown and Wilkins 1978; Leinonen 1988; Tarrant et al. 1993; Fisher 1993). The values of \hat{R}_s are as noted above are unique for each of the mailing groups. Note, that as noted in the procedures outlined below the value of \hat{R}_s for the Late Nonresident mailing group involves use of response information from the Early Nonresident mailing group as a “proxy” to compensate for not sending a third reminder to this mailing group.

The two exponential regression models were:

$$\ln(n_{si}) = \alpha'_s + \beta'_s i + \varepsilon'_{si}, \quad \text{for } i = 1, 2, 3; \text{ and} \quad (4)$$

$$\ln(r_{si}) = \alpha''_s + \beta''_s i + \varepsilon''_{si}, \quad \text{for } i = 1, 2, 3; \quad (5)$$

where:

n_{si} = number of households that responded to mailing i for mailing group s ;

r_{si} = mean participation or harvest for a species, over all sites by respondents to mailing i for mailing group s ;

and ε'_{si} and ε''_{si} are normal variates with mean 0 and variance $\sigma_s'^2$ and $\sigma_s''^2$, respectively.

Parameters α'_s , α''_s , β'_s , and β''_s were estimated using the method of least squares (Draper and Smith 1981). The form of the regression models used was chosen during previous Alaska statewide mail surveys conducted in a similar manner. The chosen form was demonstrated to fit the patterns of response for the respondents to the three mailings. The set $\{n_4, n_5, \dots, n_I\}$ was estimated from regression 4, and the set $\{r_4, r_5, \dots, r_I\}$ was estimated from regression 5, where I was the simulated mailing at which the following criterion was met (this criterion was not always met, in these cases an infinite series equality was used as described below, see equations (13) and (14)):

$$\sum_{i=1}^{q_s} n_{si} + \sum_{i=(q_s+1)}^I \tilde{n}_{si} = n_s \quad (6)$$

where:

\tilde{n}_{si} = Simulated number of households responding to the simulated mailing i , for $i = 3$ or $4, 5, \dots, I$, for mailing group s , calculated as:

$$e^{(\alpha'_s + \beta'_s i)}; \text{ and} \quad (7)$$

n_s = the number of households sampled for mailing group s .

All regression models were evaluated for lack of fit using plots of observed and predicted values for each parameter. If any serious lack of fit was evident, which can be the case for some of the statistics for subspecies, then grouping of species was used to estimate the nonresponse model for these groups.

The term \hat{R}_s was calculated as follows:

$$\hat{R}_s = \frac{\theta_s \bar{Y}_s + (1 - \theta_s) \tilde{Y}_s}{Y_s}; \quad (8)$$

where:

θ_s = of the number of observed respondents to the total of observed respondents simulated” respondents for mailing group s , calculated as follows:

$$\frac{\sum_{i=1}^{q_s} n_{si}}{\sum_{i=1}^{q_s} n_{si} + \sum_{i=(q_s+1)}^I \tilde{n}_{si}} \quad (9)$$

\bar{Y}_s = the reported average participation or harvest of a particular species over all locations throughout the state for all responding households within each mailing grouping s , calculated as:

$$\frac{\sum_{i=1}^{q_s} \sum_{j=1}^{n_{si}} y_{sij}}{\sum_{i=1}^{q_s} n_{si}} ; \quad (10)$$

y_{sij} = reported participation or harvest of a particular species over all locations throughout the state for responding household j for mailing i within mailing grouping s ;

\tilde{Y}_s = the simulated average harvest of a particular species over all locations throughout the state for all households simulated to respond to simulated mailings within each mailing grouping s , calculated as:

$$\frac{\sum_{i=(q_s+1)}^I \tilde{n}_{si} \tilde{r}_{si}}{\sum_{i=(q_s+1)}^I \tilde{n}_{si}} ; \quad (11)$$

\tilde{r}_{si} = simulated harvest of a particular species over all locations throughout the state for all households simulated to respond to the simulated mailing i within mailing grouping s , calculated using the parameters obtained from regression 5, as:

$$e^{(\alpha_s'' + \beta_s'' i)} \quad (12)$$

Note that for the values for \tilde{n}_{si} and \tilde{r}_{si} calculated by equations 7 and 12 for the Nonresident Late mailing group will be calculated using the regression model developed for the Nonresident Early mailing group.

If the criterion defined in equation 6 was not met, then the term I was set to infinity, and the following infinite series equality (Gradshteyn and Ryzhick 1980, page 7, equation 0.231.1) was used to calculate the numerator of equation 11:

$$\sum_{i=(q_s+1)}^I \tilde{n}_{si} \tilde{r}_{si} = \frac{e^{(\alpha'_s + \alpha''_s)}}{1 - e^{(\beta'_s + \beta''_s)}} - e^{(\alpha'_s + \alpha''_s)} - \left(\sum_{i=1}^{q_s} e^{(\alpha'_s + \beta'_s i + \alpha''_s + \beta''_s i)} \right) \quad (13)$$

Similarly, the denominator in equation 11 was calculated by:

$$\sum_{i=(q_s+1)}^I \tilde{n}_{si} = \frac{e^{\alpha'_s}}{1 - e^{\beta'_s}} - e^{\alpha'_s} - \left(\sum_{i=1}^{q_s} e^{(\alpha'_s + \beta'_s i)} \right) \quad (14)$$

Note, the regression parameters used above for the Resident Late mailing group involved use of the regression parameter estimates from the Resident Early mailing group.

The estimating equations outlined above are the same as used in 2006 through 2010, and similar to those used in years prior to 2006 (with the exception of the modifications of calculations related to only sending one reminder to the strata in the Nonresident Late mailing group).

Standard errors for participation, catch, and harvest estimates were calculated using a bootstrap resampling procedure (Efron and Tibshirani 1993) with 1,000 replications.

Review and Finalization of Estimates

The following guidelines from (Mills and Howe 1992) and reevaluated by Clark (2009) provided a basis for evaluating the utility of statewide survey estimates and for determining at which level of detail estimates would be published:

- Other than to document that sport fishing occurred, estimates based on fewer than 12 responses at a given site should not be used;
- Estimates based on 12 to 29 responses can be useful in indicating relative orders of magnitude and for assessing long-term trends; and
- Estimates based on 30 or more responses are generally reliable.

Estimates for individual sites that did not match these criteria were combined (aggregated) with other sites of a similar type within a geographic hierarchy for publication purposes.

Preliminary estimates were summarized into effort, harvest and catch reports at the survey area and location code level for each species. These ‘detail reports’ were made available to SF biologists via an intranet site for review of the estimates. The estimates were also summarized by species and survey area and compared to the previous five years of estimates. During this preliminary review period, biologists provided feedback on the data and problems were researched and edited. Changes or corrections recommended by biologists were incorporated into the database(s) as appropriate, and an electronic spreadsheet was created keeping track of all changes during the review period. After conclusion of the review period, the entire computer-based editing and estimation process was re-run to generate final estimates.

An annual sites database (Sites File) including the following information recorded by site was maintained and updated based upon the edits, containing:

- Site code value;
- Site name;
- Hierarchy site code;
- Report code value;
- Type of fishing;
- Valid species for site;
- Latitude-longitude of site;
- Commonly misidentified species list.

The final effort, harvest and catch estimates were also summarized by survey group (resident and nonresident) for each location code.

After all edits and data summaries were completed, the resulting current year estimate files were appended into the historic SQL server Estimate Database to facilitate miscellaneous updates and for the production of various tables used in the Statewide Harvest Survey Report and other divisional reports. The database is composed of several working subsets of the data, including number of angler estimates at various aggregation levels, published reports, detailed reports, and estimates at the location code and residence (residents and nonresident) level. Annual, intermediate files are stored separately on the network.

RESULTS

SURVEY PERFORMANCE

Delivery Success

Considerable time was spent reviewing and correcting addresses in both the Sport License and PID/DAV files throughout the year. The U.S. Postal Service mandated the use of an address forwarding process in 2011 that updated addresses from our sample that have recently changed. These efforts contributed greatly to the 97.5% delivery success for the survey booklets in 2011 (Table 1.3).

Table 1.3.—Rate of delivery success by survey type, strata, and mailing, 2011.

Mailing Group	Total Mailed	Total Nondeliverable	Percent Successful
Nonresident Early	26,387	389	98.5%
Nonresident Late	23,092	383	98.3%
Total - Nonresident	49,479	772	98.4%
Resident Early	31,435	1239	96.1%
Resident Late	21,209	556	97.4%
Total - Resident	52,644	1,795	96.6%
Grand Total	102,123	2,567	97.5%

Response Rates

The overall response rate for the survey was 39.1%, with the nonresident mailing groups achieving a 37.9% response rate and the resident mailing groups a 40.4% response rate (Tables 1.4 and 2.3).

Table 1.4.—Response rates by survey type, strata and mailing, 2011.

Mailing Group	Total Households		Nondeliverable	Response
	Mailed	Responses		Percentage
Nonresident Early	11,240	4,502	389	41.5%
Nonresident Late	13,276	4,502	383	34.9%
Nonresident Total	24,516	9,004	772	37.9%
Resident Early	14,024	5,878	1239	46.0%
Resident Late	8,460	2,480	556	31.4%
Resident Total	22,484	8,358	1,795	40.4%
Total	47,000	17,362	2,567	39.1%

PARTICIPATION

During 2011 a total of 185,685 (41.8%) Alaska resident sport fishing licenses and 258,840 (58.2%) nonresident licenses were issued out of a total of 444,525 licenses (Table 2.4).

The number of resident license sales decreased 0.6% from 2010 while the number of nonresident license sales increased slightly by 1.3%. During 2011, an estimated 443,904 anglers fished 1,919,313 days. About 47.9% of the anglers were Alaska residents who accounted for 54.1% of the total days fished, a slight decrease from 2010. Nonresident participation in terms of number of licensed anglers was highest in Southeast (74.1%) and lowest in the Arctic-Yukon-Kuskokwim (AYK) region (31.7%). In Southcentral, 53.7% of all anglers were Alaska residents (Tables 2.5–2.8; Figures 2.2–2.3).

Days fished by Alaska residents exceeded those of nonresidents in both AYK and Southcentral regions of the state, accounting for about 57.4% in Southcentral and 67.1% in AYK of total regional days fished. In the Southeast region of the state, nonresidents accounted for 59.8% of angler days fished (Table 2.5).

HARVEST

An estimated 2,677,077 fish were harvested in 2011 (Table 2.9). This total included 435,855 razor clams *Siliqua patula* and 59,518 smelt and capelin *Osmeridae*. Of the remaining 2,181,704 harvested fish, 1,362,215 (62.4%) were anadromous (sea-run) Pacific salmon *Oncorhynchus*, 393,571 (18.0%) were Pacific halibut, 211,436 (9.7%) were rockfish *Sebastes*, 32,098 (1.5%) were rainbow trout *O. mykiss*, 30,739 (1.4%) were Dolly Varden *Salvelinus malma* and Arctic char *Salvelinus alpinus*, 13,892 (.64%) were Arctic grayling *Thymallus arcticus*, and (0.13%) were landlocked salmon (2,838 Chinook, coho *O. kisutch*, and kokanee *O. nerka*; Tables 2.9–2.41; Figures 1.1, 2.4–2.9).

The 2011 total anadromous salmon estimated harvest of 1,362,215 (Table 2.16; Figure 2.4) included 128,107 Chinook, 575,303 coho, 535,109 sockeye, 94,638 pink *O. gorbuscha*, and 29,058 chum salmon *O. keta* (Table 2.10). The marine salmon harvest total of 595,841 included 84,863 Chinook,

385,651 coho, 31,451 sockeye, 72,457 pink, and 21,419 chum salmon (Table 2.10). The freshwater total of 766,374 anadromous salmon included 43,244 Chinook, 189,652 coho, 503,658 sockeye, 22,181 pink, and 7,639 chum salmon (Table 2.11).

Regionally, 403,046 anadromous salmon were harvested in Southeast Alaska, (Table 2.13) 936,783 in Southcentral (Table 2.13) and 22,386 in the Arctic-Yukon-Kuskokwim Area (Table 2.14).

Region and area fishery estimates of harvest by species and site for 2011 are presented in Tables 2.40–2.95

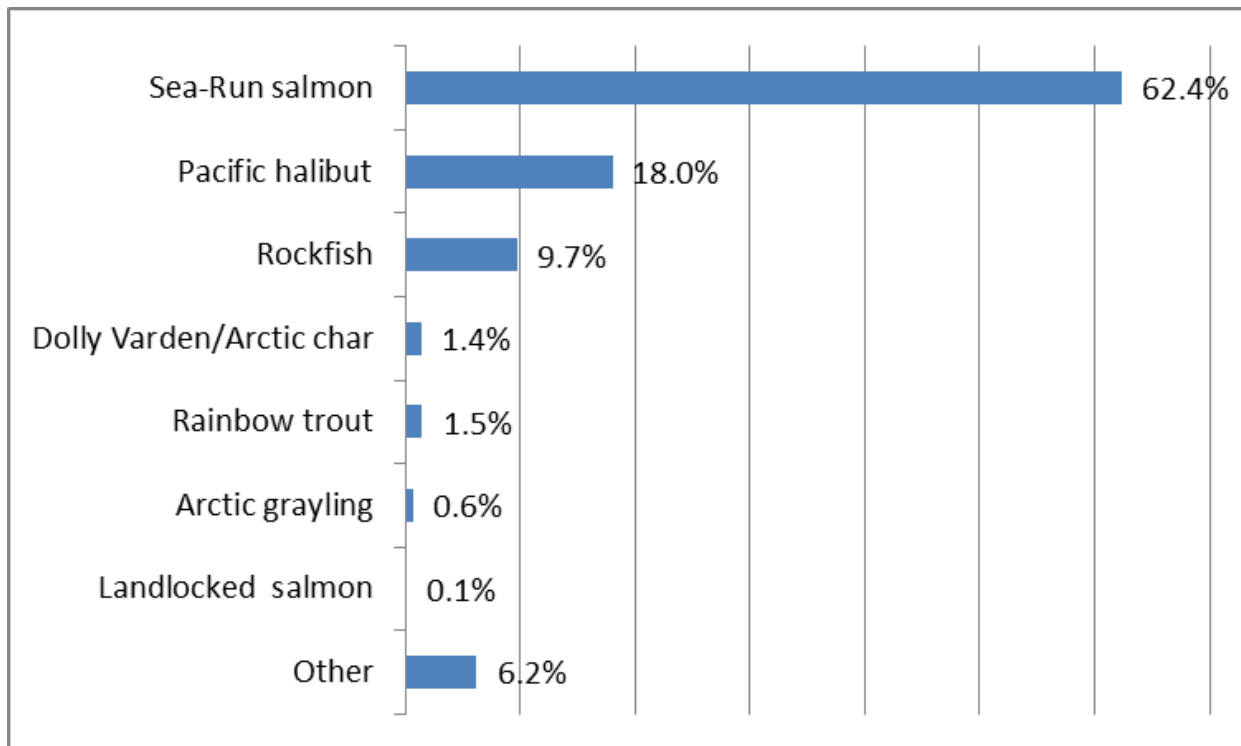


Figure 1.1.–Percentage of total harvest by species, 2011.

CATCH

The estimated catch of 5,921,696 fish in 2011 (Table 2.9) included 435,855 razor clams and 68,887 smelt. Of the remaining 5,416,954 fish caught, 897,214 (16.6%) were sea-run coho salmon, 704,730 (13.0%) were Pacific halibut, 863,229 (15.9%) were sockeye salmon, 651,444 (12.0%) were rainbow trout, 395,371 (7.3%) were pink salmon, 413,212 (7.6%) were Dolly Varden and Arctic char, 333,408 (6.2%) were rockfish, 229,465 (4.2%) were Arctic grayling, 338,883 (6.3%) were Chinook salmon, and 187,256 (3.5%) were chum salmon (Tables 2.10–2.4; Figure 1.2).

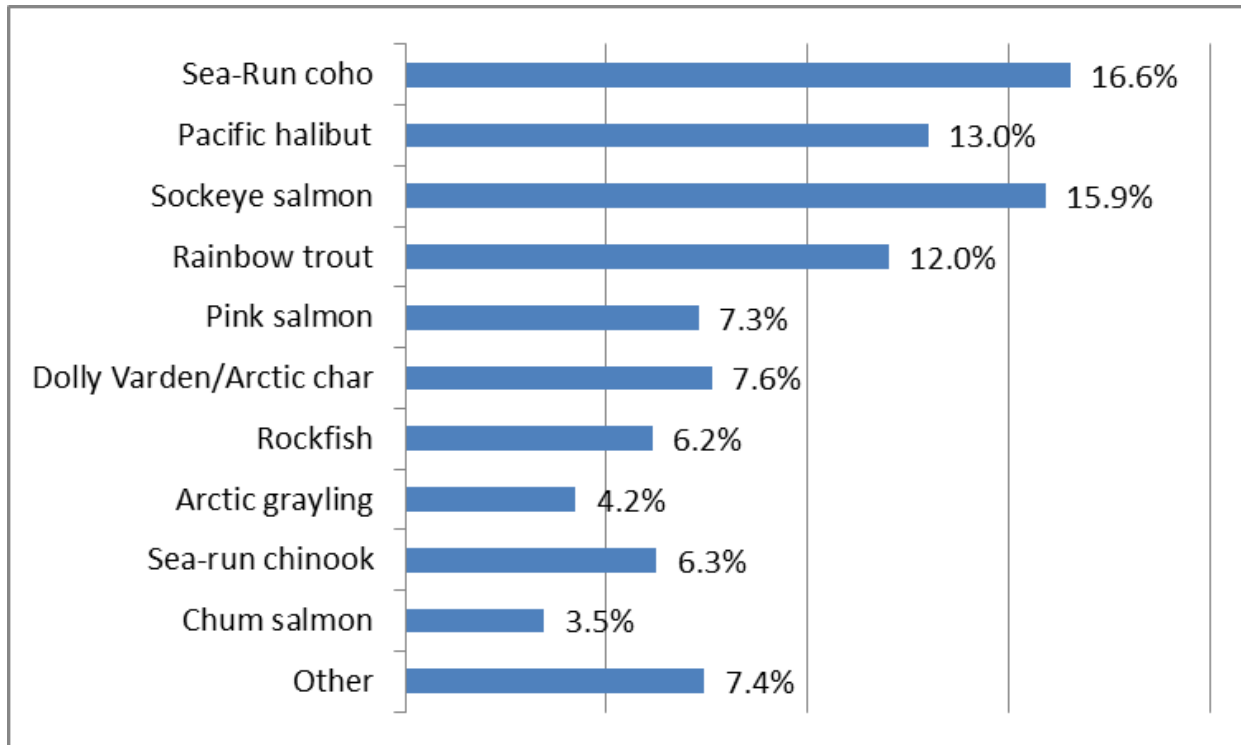


Figure 1.2.–Percentage of total catch by species, 2011.

DISCUSSION

Survey performance can be measured, in part, by the success of delivery of the survey to the respondents. In 2011, the percentage of surveys that were returned as ‘undeliverable’ from the postal service was less than 3% of the total mailed (Table 1.4). The strata and mailing that had the highest percentage of undeliverable surveys was the Resident Early mailing. This stratum contained the largest number of all the mailings.

Another measure of survey performance is the response rate. After having risen from 2007 through 2009, the survey response rate appears to be declining. In 2011, an overall response rate of 39.1% was achieved, down slightly from 42.3% in 2010 and 45.8% in 2009.

In 2011, the estimated total number of anglers who went sport fishing in Alaska was essentially the same as in 2009 and 2010. There was a small increase (1.7%) in the total number of nonresident anglers who sport fished in Alaska from 2010 to 2011, but total nonresident anglers have not returned to the levels seen from 2005–2008 (Figure 2.2). The estimated number of resident anglers dropped 1.0% from 2010, and has declined by 2.2% since 2009 (Figure 2.2). At the regional level, the number of resident anglers exceeded nonresidents in the AYK region. For a fourth consecutive year, the number of resident anglers exceeded nonresident anglers in Southcentral region with residents estimated at 172,711 (53.7%) and nonresidents at 148,727 (46.3%). Keeping with the trend since 2001, the number of nonresident anglers in Southeast remained higher than resident anglers in 2011 at an estimated total of 78,614 (Table 2.6; Figure 2.2).

Statewide, the estimated number of days fished in Alaska continued its downward trend since 2007, down 4% from 2010 estimates. The number of days fished by nonresident anglers increased

by 4.1% from 2010, but this was offset by a significant decline (10%) in resident days fished in 2011 (Table 2.5). The decline in resident days fished occurred in all three regions (Southeast, Southcentral, AYK) (Figure 2.3). In Southcentral, the number of days fished by residents fell slightly while the nonresident group continued an increase that started in 2009 (Table 2.5). In Arctic-Yukon-Kuskokwim region, the number of days fished by nonresidents remained nearly the same from 2006 through 2011, while resident days fished in the AYK region appeared to drop significantly (29%) from 2010. In Southeast Alaska, prior to 2009, nonresidents had consistently fished more angler days than residents. However, in 2009 there was a significant drop in days fished by nonresidents bringing the split to 50% for both residents and nonresidents. Total nonresident angler days in Southeast Alaska increased in both 2010 and 2011, and nonresidents accounted for 59.8% of the days fished in that region in 2011 (Table 2.5).

In looking at some of the most sought-after species, total sea-run salmon harvest statewide (all species) increased by 7.5% from 1.27 million in 2010 to 1.36 million in 2011 (Table 2.9; Figure 2.4). Total sea-run salmon harvests were up modestly in both Southeast and Southcentral Regions, but down slightly in AYK Region (Figure 2.4). Chinook salmon total harvest was up by 8.8% statewide in 2011, largely due to an increase in harvest in Southeast region, while Chinook salmon harvests in Southcentral and AYK regions were largely flat (Table 2.9; Figure 2.5). Total statewide harvest of sockeye, coho, and chum salmon increased in 2011 from 2010 levels, while harvest of pink salmon was down (Table 2.9).

Statewide saltwater total harvest of Pacific halibut, lingcod, and rockfish in 2011 were similar to 2010 levels, while Pacific cod increased by nearly 31% in 2011 (Table 2.9). In freshwater, the harvest of Arctic grayling fell off by approximately 32.4% in 2011, and Dolly Varden/Arctic char, whitefish, burbot and sheefish also showed modest declines in harvest (Table 2.9). Total catch of rainbow trout, steelhead trout, and Dolly Varden/Arctic char also decreased from the previous year. The estimated catch statewide of Arctic grayling, steelhead trout and Dolly Varden decreased from the previous year, while rainbow trout catch went up a slightly (0.8%) from 2010 (Table 2.11).

An in-depth analysis of the multi-year comparison of the estimates from the Alaska Statewide Harvest Survey and the harvest data collected from various on-site creel surveys was investigated by Clark (2009). Results of this comparative study support that the methodology used for this project consistently produces estimates that compare closely with onsite creel surveys conducted around the state.

For more than three and a half decades the Alaska Statewide Harvest Survey has proved successful in economically meeting management needs for estimates of participation and harvest for Alaska's sport fisheries. The survey has been well received by the angling public. Historically the harvest results have been consistent with those from onsite creel surveys for large fisheries (Mills and Howe 1992; Clark 2009). Sport fish biologists report that statewide survey harvest estimates for areas without analogous creel survey estimates are generally comparable with their own knowledge and observations.

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REFERENCES CITED

- Brown, T. L., and B. T. Wilkins. 1978. Clues to reasons for nonresponse, and its effect upon variable estimates. *Journal of Leisure Research* 10:226-231.
- Clark, R. A. 2009. An evaluation of estimates of sport fish harvest from the Alaska statewide harvest survey, 1996–2006. Alaska Department of Fish and Game, Special Publication 09-12, Anchorage.
- Drane, J. W., D. Richter, and C. Stoskopf. 1993. Improved imputation of non-responses to mailback questionnaires. *Statistics in Medicine* 12:283-288.
- Draper, N. R., and H. Smith. 1981. *Applied regression analysis*, 2nd edition. John Wiley and Sons, NY.
- Efron, B., and R. J. Tibshirani. 1993. *An introduction to the bootstrap*. Chapman and Hall, NY.
- El-Badry, M. A. 1956. A sampling procedure for mailed questionnaires. *Journal of the American Statistical Association* 51:209-227.
- Fisher, M. R. 1993. The relationship between nonresponse bias and angler specialization. Ph. D. dissertation, Texas A&M University, College Station.
- Gradshteyn, I. S., and I. M. Ryzhik. 1980. *Table of integrals, series, and products*, corrected and enlarged edition. Academic Press, Orlando, Florida.
- Howe, A. L., G. Fidler, A. E. Bingham, and M. J. Mills. 1996. Harvest, catch, and participation in Alaska sport fisheries during 1995. Alaska Department of Fish and Game, Fishery Data Series No. 96-32, Anchorage. <http://www.adfg.alaska.gov/FedAidPDFs/fds96-32.pdf>
- Howe, A. L., G. Fidler, and M. J. Mills. 1995. Harvest, catch, and participation in Alaska sport fisheries during 1994. Alaska Department of Fish and Game, Fishery Data Series No. 95-24, Anchorage. <http://www.adfg.alaska.gov/FedAidPDFs/fds95-24.pdf>
- Howe, A. L., R. J. Walker, C. Olnes, K. Sundet, and A. E. Bingham. 2001a. Revised Edition. Harvest, catch, and participation in Alaska sport fisheries during 1996. Alaska Department of Fish and Game, Fishery Data Series No. 97-29 (revised), Anchorage. [http://www.adfg.alaska.gov/FedAidPDFs/fds97-29\(revised\).pdf](http://www.adfg.alaska.gov/FedAidPDFs/fds97-29(revised).pdf)
- Howe, A. L., R. J. Walker, C. Olnes, K. Sundet, and A. E. Bingham. 2001b. Revised Edition. Harvest, catch, and participation in Alaska sport fisheries during 1997. Alaska Department of Fish and Game, Fishery Data Series No. 98-25 (revised), Anchorage. [http://www.adfg.alaska.gov/FedAidPDFs/fds98-25\(revised\).pdf](http://www.adfg.alaska.gov/FedAidPDFs/fds98-25(revised).pdf)
- Howe, A. L., R. J. Walker, C. Olnes, K. Sundet, and A. E. Bingham. 2001c. Revised Edition. Participation, catch, and harvest in Alaska sport fisheries during 1998. Alaska Department of Fish and Game, Fishery Data Series No. 99-41 (revised), Anchorage. [http://www.adfg.alaska.gov/FedAidPDFs/fds99-41\(revised\).pdf](http://www.adfg.alaska.gov/FedAidPDFs/fds99-41(revised).pdf)

REFERENCES CITED (Continued)

- Howe, A. L., R. J. Walker, C. Olnes, K. Sundet, and A. E. Bingham. 2001d. Participation, catch, and harvest in Alaska sport fisheries during 1999. Alaska Department of Fish and Game, Fishery Data Series No. 01-8, Anchorage. <http://www.adfg.alaska.gov/FedAidPDFs/fds01-08.pdf>
- Hubartt, D. J., M. Jaenicke, and A. E. Bingham. 2002. Harvest estimates for selected marine sport fisheries in Southeast Alaska during 2001. Alaska Department of Fish and Game, Fishery Data Series No. 02-30, Anchorage. <http://www.adfg.alaska.gov/FedAidPDFs/fds02-30.pdf>
- Jennings, G. B., K. Sundet, A. E. Bingham, and H. K. Sigurdsson. 2004. Participation, catch, and harvest in Alaska sport fisheries during 2001. Alaska Department of Fish and Game, Fishery Data Series No. 04-11, Anchorage. <http://www.adfg.alaska.gov/FedAidPDFs/fds04-11.pdf>
- Jennings, G. B., K. Sundet, A. E. Bingham, and H. K. Sigurdsson. 2006a. Participation, catch, and harvest in Alaska sport fisheries during 2002. Alaska Department of Fish and Game, Fishery Data Series No. 06-34, Anchorage. <http://www.adfg.alaska.gov/FedAidPDFs/fds06-34.pdf>
- Jennings, G. B., K. Sundet, A. E. Bingham, and H. K. Sigurdsson. 2006b. Participation, catch, and harvest in Alaska sport fisheries during 2003. Alaska Department of Fish and Game, Fishery Data Series No. 06-44, Anchorage. <http://www.adfg.alaska.gov/FedAidPDFs/fds06-44.pdf>
- Jennings, G. B., K. Sundet, and A. E. Bingham. 2007. Participation, catch, and harvest in Alaska sport fisheries during 2004. Alaska Department of Fish and Game, Fishery Data Series No. 07-40, Anchorage. <http://www.adfg.alaska.gov/FedAidPDFs/fds07-40.pdf>
- Jennings, G. B., K. Sundet, and A. E. Bingham. 2009a. Estimates of participation, catch, and harvest in Alaska sport fisheries during 2005. Alaska Department of Fish and Game, Fishery Data Series No. 09-47, Anchorage. <http://www.adfg.alaska.gov/FedAidPDFs/FDS09-47.pdf>
- Jennings, G. B., K. Sundet, and A. E. Bingham. 2009b. Estimates of participation, catch, and harvest in Alaska sport fisheries during 2006. Alaska Department of Fish and Game, Fishery Data Series No. 09-54, Anchorage. <http://www.adfg.alaska.gov/FedAidPDFs/FDS09-54.pdf>
- Jennings, G. B., K. Sundet, and A. E. Bingham. 2010a. Estimates of participation, catch, and harvest in Alaska sport fisheries during 2007. Alaska Department of Fish and Game, Fishery Data Series No. 10-02, Anchorage. <http://www.adfg.alaska.gov/FedAidpdfs/Fds10-02.pdf>
- Jennings, G. B., K. Sundet, and A. E. Bingham. 2010b. Estimates of participation, catch, and harvest in Alaska sport fisheries during 2008. Alaska Department of Fish and Game, Fishery Data Series No. 10-22, Anchorage. <http://www.adfg.alaska.gov/FedAidpdfs/FDS10-22.pdf>
- Jennings, G. B., K. Sundet, and A. E. Bingham. 2011a. Estimates of participation, catch, and harvest in Alaska sport fisheries during 2009. Alaska Department of Fish and Game, Fishery Data Series No. 11-45, Anchorage. <http://www.adfg.alaska.gov/FedAidpdfs/Fds11-45.pdf>
- Jennings, G. B., K. Sundet, and A. E. Bingham. 2011b. Estimates of participation, catch, and harvest in Alaska sport fisheries during 2010. Alaska Department of Fish and Game, Fishery Data Series No. 11-60, Anchorage. <http://www.adfg.alaska.gov/FedAidpdfs/Fds11-60.pdf>
- Jennings, G. B., A. E. Bingham, W. J. Romberg, and K. H. Sundet. *In prep.* Testing of single-booklet questionnaire format for the Alaska Statewide Harvest Survey (SWHS). Alaska Department of Fish and Game, Special Publication. Anchorage.
- Johnson, J. and P. Blanche. 2011a. Catalog of waters important for spawning, rearing, or migration of anadromous fishes – Arctic Region, Effective June 1, 2011. Alaska Department of Fish and Game, Special Publication No. 11-04, Anchorage. <http://www.adfg.alaska.gov/FedAidpdfs/SP11-04.pdf>
- Johnson, J. and P. Blanche. 2011b. Catalog of waters important for spawning, rearing, or migration of anadromous fishes – Interior Region, Effective June 1, 2011. Alaska Department of Fish and Game, Special Publication No. 11-05, Anchorage. <http://www.adfg.alaska.gov/FedAidpdfs/SP11-05.pdf>

REFERENCES CITED (Continued)

- Johnson, J. and P. Blanche. 2011c. Catalog of waters important for spawning, rearing, or migration of anadromous fishes – Southcentral Region, Effective June 1, 2010. Alaska Department of Fish and Game, Special Publication No. 11-06, Anchorage. <http://www.adfg.alaska.gov/FedAidpdfs/SP11-06.pdf>
- Johnson, J. and P. Blanche. 2011d. Catalog of waters important for spawning, rearing, or migration of anadromous fishes – Southeastern Region, Effective June 1, 2010. Alaska Department of Fish and Game, Special Publication No. 11-07, Anchorage. <http://www.adfg.alaska.gov/FedAidpdfs/SP11-07.pdf>
- Johnson, J. and P. Blanche. 2011e. Catalog of waters important for spawning, rearing, or migration of anadromous fishes – Southwestern Region, Effective June 1, 2010. Alaska Department of Fish and Game, Special Publication No. 11-08, Anchorage. <http://www.adfg.alaska.gov/FedAidpdfs/SP11-08.pdf>
- Johnson, J. and P. Blanche. 2011f. Catalog of waters important for spawning, rearing, or migration of anadromous fishes – Western Region, Effective June 1, 2010. Alaska Department of Fish and Game, Special Publication No. 11-09, Anchorage. <http://www.adfg.alaska.gov/FedAidpdfs/SP11-09.pdf>
- Leinonen, K. 1988. Biased catch estimates due to nonresponse in fishing questionnaire. *Finnish Fisheries Research* 7:66-74.
- McLaughlin, P. A., D. K. Camp, M. V. Angel, E. L. Bousfield, P. Brunel, R. C. Brusca, et al. 2005. Common and Scientific Names of Aquatic Invertebrates from the United States and Canada: Crustaceans American Fisheries Society Special Publication 31. Bethesda, MD.
- Mills, M. J. 1979. Alaska statewide sport fish harvest studies. Alaska Department of Fish and Game, Federal Aid in Fish Restoration, Annual Performance Report 1978-1979, Project F-9-11, 20 (SW-I-A), Juneau. [http://www.adfg.alaska.gov/FedAidPDFs/fredf-9-11\(20\)SW-I-A.pdf](http://www.adfg.alaska.gov/FedAidPDFs/fredf-9-11(20)SW-I-A.pdf)
- Mills, M. J. 1980. Alaska statewide sport fish harvest studies. Alaska Department of Fish and Game. Federal Aid in Fish Restoration, Annual Performance Report, 1979-1980, Project F-9-12, 21 (SW-I-A), Juneau. [http://www.adfg.alaska.gov/FedAidPDFs/fredf-9-12\(21\)SW-I-A.pdf](http://www.adfg.alaska.gov/FedAidPDFs/fredf-9-12(21)SW-I-A.pdf)
- Mills, M. J. 1981a. Alaska statewide sport fish harvest studies - 1979 data. Alaska Department of Fish and Game, Federal Aid in Fish Restoration and Anadromous Fish Studies, Annual Performance Report 1980-1981, Project F-9-13, 22 (SW-I-A), Juneau. [http://www.adfg.alaska.gov/FedAidPDFs/fredf-9-13\(22a\)SW-I-A.pdf](http://www.adfg.alaska.gov/FedAidPDFs/fredf-9-13(22a)SW-I-A.pdf)
- Mills, M. J. 1981b. Alaska statewide sport fish harvest studies - 1980 data. Alaska Department of Fish and Game, Federal Aid in Fish Restoration and Anadromous Fish Studies, Annual Performance Report 1980-1981, Project F-9-13, 22 (SW-I-A), Juneau. [http://www.adfg.alaska.gov/FedAidPDFs/fredf-9-13\(22b\)SW-I-A.pdf](http://www.adfg.alaska.gov/FedAidPDFs/fredf-9-13(22b)SW-I-A.pdf)
- Mills, M. J. 1982. Alaska statewide sport fish harvest studies - 1981 data. Alaska Department of Fish and Game, Federal Aid in Fish Restoration and Anadromous Fish Studies, Annual Performance Report 1981-1982, Project F-9-14, 23 (SW-I-A), Juneau. [http://www.adfg.alaska.gov/FedAidPDFs/fredf-9-14\(23\)SW-I-A.pdf](http://www.adfg.alaska.gov/FedAidPDFs/fredf-9-14(23)SW-I-A.pdf)
- Mills, M. J. 1983. Alaska statewide sport fish harvest studies - 1982 data. Alaska Department of Fish and Game, Federal Aid in Fish Restoration and Anadromous Fish Studies, Annual Performance Report 1982-1983, Project F-9-15, 24 (SW-I-A), Juneau. [http://www.adfg.alaska.gov/FedAidPDFs/fredf-9-15\(24\)SW-I-A.pdf](http://www.adfg.alaska.gov/FedAidPDFs/fredf-9-15(24)SW-I-A.pdf)
- Mills, M. J. 1984. Alaska statewide sport fish harvest studies - 1983 data. Alaska Department of Fish and Game, Federal Aid in Fish Restoration and Anadromous Fish Studies, Annual Performance Report 1983-1984, Project F-9-16, 25 (SW-I-A), Juneau. [http://www.adfg.alaska.gov/FedAidPDFs/fredf-9-16\(25\)SW-I-A.pdf](http://www.adfg.alaska.gov/FedAidPDFs/fredf-9-16(25)SW-I-A.pdf)
- Mills, M. J. 1985. Alaska statewide sport fish harvest studies - 1984 data. Alaska Department of Fish and Game, Federal Aid in Fish Restoration and Anadromous Fish Studies, Annual Performance Report 1984-1985, Project F-9-17, 26 (SW-I-A), Juneau. [http://www.adfg.alaska.gov/FedAidPDFs/fredf-9-17\(26\)SW-I-A.pdf](http://www.adfg.alaska.gov/FedAidPDFs/fredf-9-17(26)SW-I-A.pdf)
- Mills, M. J. 1986. Alaska statewide sport fish harvest studies - 1985 data. Alaska Department of Fish and Game, Federal Aid in Fish Restoration and Anadromous Fish Studies, Annual Performance Report 1985-1986, Project F-10-1, 27 (RT-2), Juneau. [http://www.adfg.alaska.gov/FedAidPDFs/fredf-10-1\(27\)RT-2.pdf](http://www.adfg.alaska.gov/FedAidPDFs/fredf-10-1(27)RT-2.pdf)
- Mills, M. J. 1987. Alaska statewide sport fisheries harvest report, 1986. Alaska Department of Fish and Game, Fishery Data Series No. 2, Juneau. <http://www.adfg.alaska.gov/FedAidPDFs/fds-002.pdf>

REFERENCES CITED (Continued)

- Mills, M. J. 1988. Alaska statewide sport fisheries harvest report, 1987. Alaska Department of Fish and Game, Fishery Data Series No. 52, Juneau. <http://www.adfg.alaska.gov/FedAidPDFs/fds-052.pdf>
- Mills, M. J. 1989. Alaska statewide sport fisheries harvest report, 1988. Alaska Department of Fish and Game, Fishery Data Series No. 122, Juneau. <http://www.adfg.alaska.gov/FedAidPDFs/fds-122.pdf>
- Mills, M. J. 1990. Harvest and participation in Alaska sport fisheries during 1989. Alaska Department of Fish and Game, Fishery Data Series No. 90-44, Anchorage. <http://www.adfg.alaska.gov/FedAidPDFs/fds90-44.pdf>
- Mills, M. J. 1991. Harvest, catch, and participation in Alaska sport fisheries during 1990. Alaska Department of Fish and Game, Fishery Data Series No. 91-58, Anchorage. <http://www.adfg.alaska.gov/FedAidPDFs/fds91-58.pdf>
- Mills, M. J. 1992. Harvest, catch, and participation in Alaska sport fisheries during 1991. Alaska Department of Fish and Game, Fishery Data Series No. 92-40, Anchorage. <http://www.adfg.alaska.gov/FedAidPDFs/fds92-40.pdf>
- Mills, M. J. 1993. Harvest, catch, and participation in Alaska sport fisheries during 1992. Alaska Department of Fish and Game, Fishery Data Series No. 93-42, Anchorage. <http://www.adfg.alaska.gov/FedAidPDFs/fds93-42.pdf>
- Mills, M. J. 1994. Harvest, catch, and participation in Alaska sport fisheries during 1993. Alaska Department of Fish and Game, Fishery Data Series No. 94-28, Anchorage. <http://www.adfg.alaska.gov/FedAidPDFs/fds94-28.pdf>
- Mills, M. J., and A. L. Howe. 1992. An evaluation of estimates of sport fish harvest from the Alaska statewide mail survey. Alaska Department of Fish and Game, Special Publication No. 92-2, Anchorage. <http://www.adfg.alaska.gov/FedAidPDFs/sp92-02.pdf>
- Nelson, J. S., E. J. Crossman, H. Espinosa-Pérez, L. T. Findley, C. R. Gilbert, R. N. Lea, and J. D. Williams. 2004. Common and scientific names of fishes from the United States, Canada and Mexico. Sixth edition. American Fisheries Society, Special Publication 29, Bethesda, MD.
- Orth, D. J. 1971. Dictionary of Alaska place names. U. S. Geological Survey Professional Paper 567. United States Government Printing Office. Washington D. C.
- Romberg, B. R. In prep. Testing of a single-booklet questionnaire format for the Alaska Sport Fishing Survey. Alaska Department of Fish and Game, Special Publication, Anchorage.
- Rubin, D. B. 1987. Multiple imputation for nonresponse in surveys. John Wiley and Sons, New York.
- Schafer, J. L. 1997. Analysis of incomplete data. Chapman and Hall, London.
- Tarrant, M. A., M. J. Manfredo, P. B. Bayley, and R. Hess. 1993. Effects of recall bias and nonresponse bias on self-report estimates of angling participation. North American Journal of Fisheries Management 13:217-222.
- Walker, R. J., C. Olnes, K. Sundet, A. L. Howe, and A. E. Bingham. 2003. Participation, catch, and harvest in Alaska sport fisheries during 2000. Alaska Department of Fish and Game, Fishery Data Series No. 03-05, Anchorage. <http://www.adfg.alaska.gov/FedAidPDFs/FDS03-05.pdf>

SECTION 2: TABLES AND FIGURES

Table 2.1.–List of common names, scientific names, and abbreviations.

Common Name	Scientific Name	Abbreviation
Chinook salmon	<i>Oncorhynchus tshawytscha</i>	KS
Small Chinook salmon	<i>Oncorhynchus tshawytscha</i>	KI
Coho salmon	<i>Oncorhynchus kisutch</i>	SS
Landlocked salmon–coho	<i>Oncorhynchus kisutch</i>	LS
Landlocked salmon–Chinook	<i>Oncorhynchus tshawytscha</i>	LS
Sockeye salmon	<i>Oncorhynchus nerka</i>	RS
Kokanee salmon	<i>Oncorhynchus nerka</i>	KO
Pink salmon	<i>Oncorhynchus gorbuscha</i>	PS
Chum salmon	<i>Oncorhynchus keta</i>	CS
Steelhead	<i>Oncorhynchus mykiss</i>	SH
Rainbow trout	<i>Oncorhynchus mykiss</i>	RT
Cutthroat trout	<i>Oncorhynchus clarki</i>	CT
Brook trout	<i>Salvelinus fontinalis</i>	BT
Lake trout	<i>Salvelinus namaycush</i>	LT
Dolly Varden	<i>Salvelinus malma</i>	DV
Arctic char	<i>Salvelinus alpinus</i>	AC
Arctic grayling	<i>Thymallus arcticus</i>	GR
Northern pike	<i>Esox lucius</i>	NP
Whitefish	<i>Coregonus</i> spp. and <i>Prosopium</i> spp.	WF
Burbot	<i>Lota lota</i>	BB
Inconnu (Sheefish)	<i>Stenodus leucichthys</i>	SF
Pacific halibut	<i>Hippoglossus stenolepis</i>	HA
Pacific cod	<i>Gadus macrocephalus</i>	PC
Shark ^a		SK
Rockfish	<i>Sebastes</i> spp.	RF
Lingcod	<i>Ophiodon elongatus</i>	LC
Sablefish (Black Cod)	<i>Anoplopoma fimbria</i>	BC
Smelt	Osmeridae	SM
Capelin	<i>Mallotus villosus</i>	SM
King crab	<i>Paralithodes camtschatica</i>	KC
Dungeness crab	<i>Cancer magister</i>	DC
Tanner crab	<i>Chionoecetes bairdi</i>	TC
Shrimp	Pandalidae	SHR
Razor clam	<i>Siliqua patula</i>	RCL
Hardshell clams		HCL
Butter clam	<i>Saxidomus giganteus</i>	
Littleneck clam	<i>Protothaca staminea</i>	
Cockle	<i>Clinocardium nuttallii</i>	
Gaper clam	<i>Tresus capax</i>	
Eastern softshell clam	<i>Mya arenaria</i>	
Truncated mya	<i>Mya truncata</i>	
Alaska surf clam	<i>Spisula polynyma</i>	
Other shellfish		OS

Source: Nelson et al. 2004, McLaughlin et al. 2005.

^a *Lamna ditropis* (salmon shark), *Somniosus pacificus* (Pacific sleeper shark), and *Squalus acanthias* (spiny dogfish) are the most common species caught.

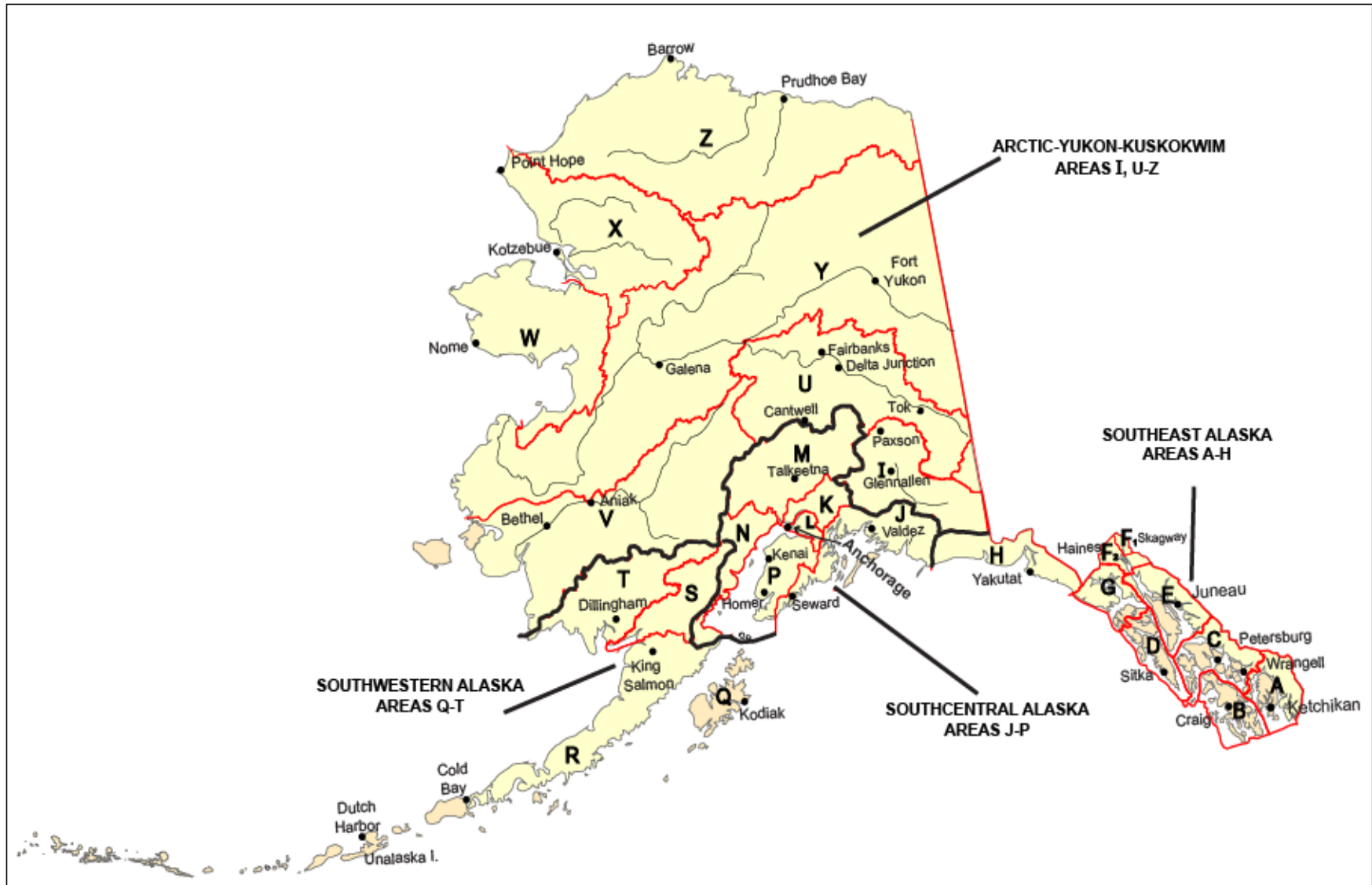


Figure 2.1–Map of Alaska sport fishing regions and areas.

Table 2.2.–List of Alaska sport fishing regions and areas.

Regions	
I	Southeast Alaska
II	Southcentral Alaska
III	Arctic-Yukon-Kuskokwim
Areas	
Southeast Alaska	
A	Ketchikan
B	Prince of Wales Island
C	Kake, Petersburg, Wrangell, Stikine
D	Sitka
E	Juneau
F	Haines/Skagway
G	Glacier Bay
H	Yakutat
Southcentral Alaska	
J	Prince William Sound/North Gulf Coast
K	Knik Arm
L	Anchorage
M	Susitna River drainage
N	West Cook Inlet drainages
P	Kenai Peninsula/Cook Inlet
Q	Kodiak
R	Naknek River/Alaska Peninsula
S	Kvichak River drainage
T	Nushagak, Wood River and Togiak
Arctic-Yukon-Kuskokwim	
I	Upper Copper River drainage
U	Tanana River drainage
V	Kuskokwim River/Kuskokwim Bay drainages
W	Norton Sound/Seward Peninsula
X	Northwest Alaska
Y	Yukon River drainage
Z	North Slope/Brooks Range

Table 2.3.–Response to the Alaska Sport Fish Survey by mailing, 2011.

Residency	Status	Mailing 1	Mailing 2	Mailing 3	Total
Nonresident Early	Mailed	11,240	8,262	6,885	26,387
	Nondeliverable ^a				389
	Non-responses	8,262	6,885	6,349	21,496
	Responses	2,713	1,298	491	4,502
	Response Rate ^b	25.0%	12.0%	4.5%	41.5%
Nonresident Late	Mailed	13,276	9,816	0	23,092
	Nondeliverable ^a				383
	Non-responses	9,816	8,391		18,207
	Responses	3,159	1,343		4,502
	Response Rate ^b	24.5%	10.4%		34.9%
Resident Early	Mailed	14,024	9,603	7,808	31,435
	Nondeliverable ^a				1,239
	Non-responses	9,603	7,808	6,907	24,318
	Responses	3,489	1,609	780	5,878
	Response Rate ^b	27.3%	12.6%	6.1%	46.0%
Resident Late	Mailed	8,460	6,831	5,918	21,209
	Nondeliverable ^a				556
	Non-responses	6,831	5,918	5,424	18,173
	Responses	1,264	786	430	2,480
	Response Rate ^b	16.0%	9.9%	5.4%	31.4%
Total	Mailed	47,000	34,512	20,611	102,123
	Nondeliverable ^a				2,567
	Non-responses	34,512	29,002	18,680	82,194
	Responses	10,625	5,036	1,701	17,362
	Response Rate ^b	23.9%	11.3%	3.8%	39.1%

^a Because there is no proof of questionnaire delivery unless returned by the addressee, all nondeliverables are counted as nondeliverable to the first mailing.

^b The response rates were calculated as the percentage of each mailing's responses to the first mailing excluding the non-deliverable surveys.

Table 2.4.—Number and percent of Alaska sport fishing licenses by residency, 1961-2011.

Year	Resident		Nonresident		Total
	Number	Percent	Number	Percent	
1961	41,120	74.0	14,444	26.0	55,564
1962	42,015	74.0	14,783	26.0	56,798
1963	46,160	73.1	16,977	26.9	63,137
1964	45,355	74.5	15,527	25.5	60,882
1965	48,421	71.3	19,483	28.7	67,904
1966	50,287	70.3	21,256	29.7	71,543
1967	50,357	65.4	26,594	34.6	76,951
1968	58,344	64.4	32,221	35.6	90,565
1969	62,546	63.0	36,777	37.0	99,323
1970	71,711	63.2	41,683	36.8	113,394
1971	75,952	65.8	39,543	34.2	115,495
1972	82,088	66.0	42,347	34.0	124,435
1973	89,823	70.2	38,179	29.8	128,002
1974	95,485	70.8	39,415	29.2	134,900
1975	101,900	69.0	45,821	31.0	147,721
1976	118,679	70.7	49,194	29.3	167,873
1977	121,913	68.6	55,821	31.4	177,734
1978	129,750	66.5	65,481	33.5	195,231
1979	130,458	64.4	72,090	35.6	202,548
1980	132,103	63.9	74,699	36.1	206,802
1981	138,784	61.4	87,407	38.6	226,191
1982	156,324	59.8	105,014	40.2	261,338
1983	169,761	62.4	102,481	37.6	272,242
1984	177,949	60.7	115,127	39.3	293,076
1985	176,725	58.2	127,077	41.8	303,802
1986	180,936	57.6	133,051	42.4	313,987
1987	181,721	56.3	140,773	43.7	322,494
1988	177,383	54.0	151,308	46.0	328,691
1989	174,942	51.8	163,098	48.2	338,040
1990	180,214	49.6	182,779	50.4	362,993
1991	184,813	50.5	181,182	49.5	365,995
1992	182,245	46.6	208,516	53.4	390,761
1993	181,843	46.9	205,720	53.1	387,563
1994	183,186	44.6	227,088	55.4	410,274
1995	176,428	42.6	238,021	57.4	414,449
1996	180,747	42.6	243,731	57.4	424,478
1997	180,029	41.7	251,865	58.3	431,894
1998	173,833	40.6	254,494	59.4	428,327
1999	172,717	39.1	269,153	60.9	441,870
2000	177,700	38.7	280,939	61.3	458,639
2001	178,251	39.3	274,968	60.7	453,219
2002	184,790	39.4	284,583	60.6	469,373
2003	188,411	39.4	289,358	60.6	477,769
2004	188,976	37.5	314,446	62.5	503,422
2005	188,697	36.3	331,570	63.7	520,267
2006	181,672	36.8	311,777	63.2	493,449
2007	183,089	36.4	320,058	63.6	503,147
2008	186,311	38.3	300,090	61.7	486,401
2009	194,658	45.5	252,427	56.5	447,085
2010	186,777	42.2	255,432	57.8	442,209
2011	185,685	41.8	258,840	58.2	444,525

Table 2.5.—Statewide and regional participation in Alaska sport fishing by residency, 2006–2011.

Year	Region	Number of anglers					Angler-days fished				
		AK residents		Nonresidents		Total number of anglers	AK residents		Nonresidents		Total angler-days fished
		Number	Percent	Number	Percent		Number	Percent	Number	Percent	
2006	Southeast	28,090	21.9	100,369	78.1	128,459	207,114	40.1	309,721	59.9	516,835
	Southcentral	160,899	48.8	168,635	51.2	329,534	950,177	59.2	655,675	40.8	1,605,852
	AYK ^a	26,783	68.8	12,170	31.2	38,953	130,248	74.3	45,026	25.7	175,274
	Statewide ^b	201,698	42.6	271,965	57.4	473,663	1,287,539	56.0	1,010,422	44.0	2,297,961
2007	Southeast	27,805	20.8	105,759	79.2	133,564	219,141	40.6	321,149	59.4	540,290
	Southcentral	167,897	48.9	175,748	51.1	343,645	1,088,049	60.5	711,303	39.5	1,799,352
	AYK ^a	29,545	69.3	13,119	30.7	42,663	155,496	76.2	48,536	23.8	204,032
	Statewide ^b	209,518	42.4	284,743	57.6	494,261	1,462,686	57.5	1,080,988	42.5	2,543,674
2008	Southeast	27,333	21.1	101,974	78.9	129,307	212,297	41.7	297,300	58.3	509,597
	Southcentral	166,430	50.5	163,188	49.5	329,619	1,013,734	62.5	609,186	37.5	1,622,920
	AYK ^a	28,461	67.0	14,031	33.0	42,492	136,045	74.3	47,039	25.7	183,084
	Statewide ^b	206,798	43.3	270,483	56.7	477,281	1,362,076	58.8	953,525	41.2	2,315,601
2009	Southeast	30,926	26.7	84,988	73.3	115,914	250,379	50.1	249,702	49.9	500,081
	Southcentral	170,282	55.5	136,391	44.5	306,673	1,007,014	66.1	515,331	33.9	1,522,345
	AYK ^a	32,032	72.7	12,028	27.3	44,060	152,805	78.8	41,214	21.2	194,019
	Statewide ^b	217,221	49.1	225,535	50.9	442,756	1,410,198	63.6	806,247	36.4	2,216,445
2010	Southeast	28,319	26.5	78,733	73.5	107,052	193,950	43.7	249,901	56.3	443,851
	Southcentral	170,904	54.3	143,921	45.7	314,825	823,476	60.0	548,016	40.0	1,371,492
	AYK ^a	32,647	70.6	13,614	29.4	46,261	137,240	74.3	47,584	25.7	184,824
	Statewide ^b	214,492	48.5	227,606	51.5	442,098	1,154,666	57.7	845,501	42.3	2,000,167
2011	Southeast	27,443	25.9	78,614	74.1	106,057	180,044	40.2	267,564	59.8	447,608
	Southcentral	172,711	53.7	148,727	46.3	321,438	761,925	57.4	565,025	42.6	1,326,950
	AYK ^a	25,929	68.3	12,020	31.7	37,949	97,180	67.1	47,575	32.9	144,755
	Statewide ^b	212,491	47.9	231,413	52.1	443,904	1,039,149	54.1	880,164	45.9	1,919,313

^a Arctic-Yukon-Kuskokwim.

^b Statewide number of angler totals do not equal regional sums, because an angler may have fished in more than one region.

Table 2.6.—Estimated number of anglers who sport fished in Alaska by area of residence, 2001–2011.

Residence	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Alaska Residents^a											
Southeast Alaska	27,664	23,397	25,690	26,489	25,987	24,949	23,679	23,550	27,745	25,175	25,142
Prince William Sound/North Gulf Coast	5,494	4,907	5,850	4,800	5,146	4,329	5,681	5,600	5,311	5,448	5,535
Kenai Peninsula	23,651	24,399	23,771	22,688	23,186	22,600	25,970	23,876	23,899	23,376	24,023
Cook Inlet area other than Kenai Peninsula ^b	102,996	104,732	112,095	110,938	105,317	108,016	109,937	114,179	115,020	115,205	119,209
Kodiak and Afognak islands	4,978	4,993	5,791	6,364	6,356	5,547	5,032	5,516	5,915	5,305	5,560
Bristol Bay and Aleutian islands	2,357	2,394	2,499	2,592	2,423	2,685	2,805	1,625	2,018	2,333	2,559
Upper Copper River valley	1,556	1,306	1,558	1,077	1,387	724	1,795	1,354	1,431	1,300	1,113
Arctic-Yukon-Kuskokwim ^c	28,904	30,017	33,057	34,375	31,128	30,187	31,312	28,011	33,091	33,659	28,310
Unknown Alaska	4,517	0	4,347	4,490	5,982	2,661	3,307	3,087	2,791	2,691	1,040
Total Residents	202,118	196,145	214,658	213,813	206,912	201,698	209,518	206,798	217,221	214,492	212,491
Nonresidents											
Other United States	216,409	208,629	226,317	254,012	268,828	257,189	269,073	253,521	210,714	212,861	215,050
Foreign	13,602	17,418	14,619	16,442	16,346	14,776	15,670	16,962	14,821	14,745	16,363
Total Nonresidents	230,011	226,047	240,936	270,453	285,174	271,965	284,743	270,483	225,535	227,606	231,413
Total anglers	432,129	422,192	455,594	484,266	492,086	473,663	494,261	477,281	442,756	442,098	443,904

^a Residents in the Alaska Statewide Harvest Survey are defined as anglers qualifying for an Alaska resident sport license during the survey period. Nonresidents include other United States, Canadian, and other foreign residents who did not qualify as residents of Alaska during the survey period.

^b Including Matanuska, Susitna, and Knik river valleys; the greater Anchorage area; Turnagain Arm and west Cook Inlet communities. Does not include Seward (see Prince William Sound/North Gulf Coast).

^c Includes communities within the Tanana River drainage.

Table 2.7.—Estimated number of anglers by Alaska region and area fished, 2001–2011.

Area Fished	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Southeast											
Ketchikan	26,155	29,924	27,218	34,193	34,512	31,142	32,085	30,304	30,692	24,627	23,328
Prince of Wales	14,201	15,782	15,361	15,710	17,804	16,256	17,678	17,693	14,071	14,824	14,852
Take, Petersburg, Wrangell, Stikine	8,328	7,813	7,794	10,258	8,843	9,422	9,174	9,761	9,596	9,055	7,165
Sitka	25,057	22,288	24,002	25,734	25,931	27,583	28,610	28,483	21,216	22,014	20,583
Juneau	27,971	24,252	26,375	29,452	29,380	26,395	25,956	24,497	25,966	21,583	24,804
Haines-Skagway	9,063	8,856	9,021	9,373	8,196	7,613	7,301	6,622	7,339	6,278	7,204
Glacier Bay	8,630	7,738	8,203	10,008	11,128	11,367	14,107	13,060	11,431	9,393	8,121
Yakutat	4,630	3,798	6,790	6,614	7,374	7,304	7,979	7,171	5,527	7,119	7,182
Total ^a	113,922	108,743	114,337	129,796	132,390	128,459	133,564	129,307	115,914	107,052	106,057
Southcentral											
North Gulf Coast/Prince William Sound ^b	82,327	79,523	93,272	96,977	103,149	93,546	103,373	92,790	90,312	92,569	90,192
Knik Arm	34,140	34,001	33,601	32,073	31,574	34,040	32,057	34,810	33,865	33,629	23,731
Anchorage	34,005	26,433	27,325	24,024	26,486	26,156	23,910	25,738	22,397	19,628	14,830
Susitna River drainage ^c	40,083	40,574	37,477	56,143	50,695	50,775	49,839	45,048	39,871	40,348	36,535
West Cook Inlet drainages ^{b,c}	28,370	26,319	29,031	9,672	9,282	9,258	10,256	10,315	7,515	6,914	6,101
Kenai Peninsula ^d	173,338	178,306	188,852	198,639	201,677	190,390	198,255	188,719	176,380	179,992	196,273
Kodiak	13,240	14,676	15,859	17,598	17,821	17,413	18,555	17,530	16,568	16,188	15,433
Naknek River/Alaska Peninsula	7,421	8,220	7,628	7,436	7,205	8,250	8,076	8,428	7,417	7,747	8,206
Kvichak River drainage	5,817	4,879	5,284	6,081	6,097	6,761	6,556	7,394	6,325	6,411	6,221
Nushagak, Wood River, and Togiak	8,132	6,133	7,275	7,539	7,801	7,488	8,575	7,914	6,626	5,304	6,279
Total ^{a,c}	303,986	298,119	323,692	338,217	342,580	329,534	343,645	329,619	306,673	314,825	321,438
Arctic-Yukon-Kuskokwim											
Upper Copper River drainage ^c	15,572	15,646	17,437	12,672	13,330	11,596	13,946	13,617	12,602	14,516	11,057
Tanana River drainage	21,546	21,801	24,999	24,987	23,166	20,570	22,263	20,287	23,737	24,237	19,849
Kuskokwim River and Bay drainages	3,737	3,626	4,336	4,278	3,931	3,608	3,575	4,231	3,506	3,978	4,172
Seward Peninsula-Norton Sound	2,371	2,743	2,187	2,432	3,013	2,279	2,384	2,569	2,929	2,350	2,128
Northwest Alaska	1,177	1,064	1,156	1,079	901	1,127	942	1,036	1,386	1,256	1,157
Yukon River drainage	3,176	2,799	3,524	3,255	2,817	3,152	3,282	2,551	3,041	3,281	2,648
North Slope/Brooks Range	865	1,165	834	747	1,469	833	907	1,255	1,178	969	882
Total ^{a,c}	43,095	43,812	48,612	44,449	43,626	38,953	42,663	42,492	44,060	46,261	37,949
Alaska Total^a	432,129	422,192	455,594	484,266	492,086	473,663	494,261	477,281	442,756	442,098	443,904

^a Statewide and regional angler totals do not equal regional or area sums, because some anglers fished in more than one area and in more than one region.

^b In 2001, the Prince William Sound/North Gulf Coast (Area J) was expanded to include North Gulf Coast waters to Gore Point, formerly reported to Kenai Peninsula (Area P).

^c In 2004, the Susitna River drainage (Area M) was expanded to include all drainages of the Susitna River including the upper, east and west Susitna River drainages.

^d Starting in 2006, Cook Inlet salt waters were reported to area P (Kenai Peninsula-Cook Inlet area). West Cook Inlet drainages (Area N) only includes freshwater lakes and streams.

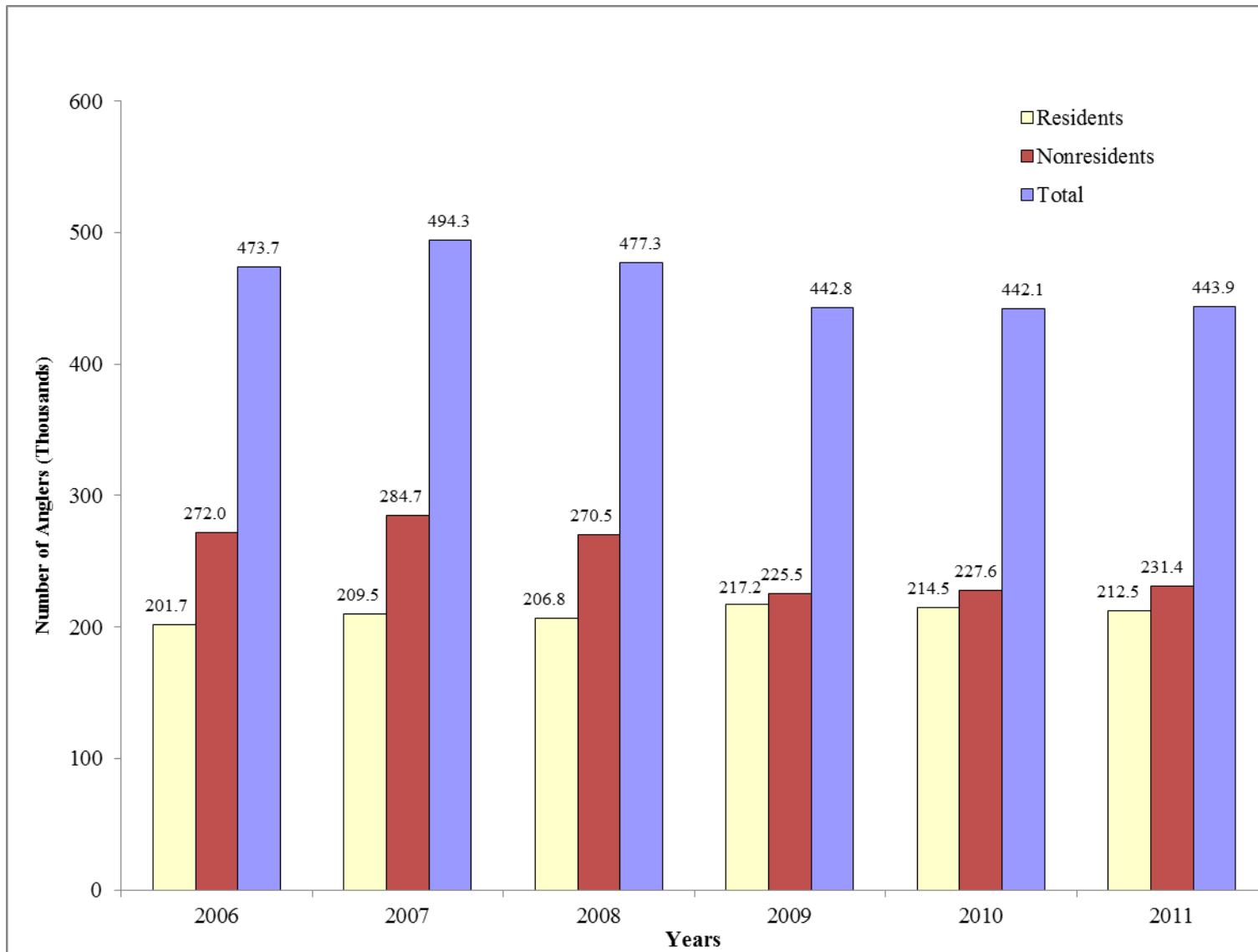


Figure 2.2.—Estimated number of anglers who sport fished in Alaska by residency, 2006–2011.

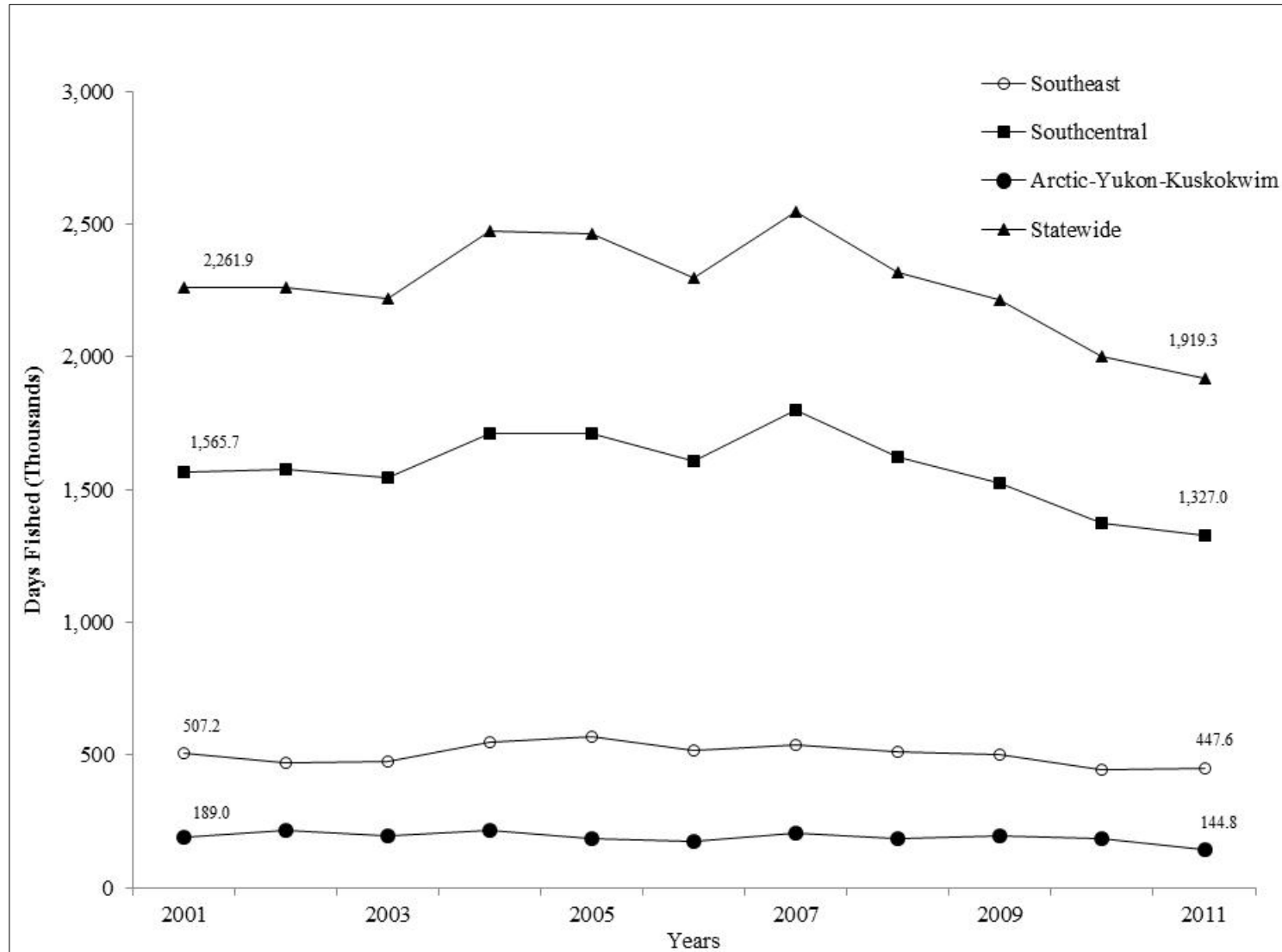


Figure 2.3.—Estimated angler-days fished in Alaska, statewide and by region, 2001–2011.

Table 2.8.—Estimated number of angler-days fished by Alaska region and area, 2001–2011.

Area fished	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Southeast											
Ketchikan	80,918	91,018	76,050	103,533	97,521	79,440	85,045	88,425	113,959	73,372	70,926
Prince of Wales	65,559	68,264	75,820	73,060	82,095	74,269	80,202	83,134	63,035	66,450	80,695
Kake, Petersburg, Wrangell, Stikine	41,699	45,236	36,442	47,719	39,847	49,520	46,766	49,272	54,271	47,022	37,699
Sitka	92,390	67,756	69,843	81,631	88,490	89,297	92,348	86,344	60,466	66,152	63,191
Juneau	124,846	108,680	116,070	125,803	135,712	104,906	113,237	104,447	117,684	100,133	92,562
Haines-Skagway	36,200	37,650	33,649	42,518	36,383	33,335	24,688	23,476	22,677	24,142	31,452
Glacier Bay	42,466	31,679	34,224	39,750	49,813	42,434	52,638	40,151	41,157	32,015	32,573
Yakutat	23,163	19,019	35,094	33,235	37,923	43,634	45,366	34,348	26,832	34,565	38,510
Total	507,241	469,302	477,192	547,249	567,784	516,835	540,290	509,597	500,081	443,851	447,608
Southcentral											
Prince William Sound/North Gulf Coast ^a	218,895	214,464	241,527	280,213	265,673	251,048	318,595	262,336	268,736	235,772	238,423
Knik Arm	111,027	126,194	103,978	113,528	115,763	119,795	120,681	136,572	122,299	106,281	66,684
Anchorage	135,359	111,694	104,004	101,943	101,041	103,800	91,881	111,121	79,743	61,704	48,187
Susitna River drainage ^b	121,039	116,254	112,061	187,300	169,556	172,717	174,049	148,738	140,201	122,235	104,065
West Cook Inlet drainages ^{b,c}	91,729	82,465	85,228	17,809	20,459	15,771	19,705	16,627	13,752	12,780	10,088
Kenai Peninsula-Cook Inlet ^{a,c}	694,671	727,420	700,305	789,609	813,978	732,675	837,812	741,636	704,201	663,197	676,552
Kodiak	77,421	88,224	88,837	94,138	115,728	95,224	111,210	102,039	96,952	81,459	84,429
Naknek River/Alaska Peninsula	36,889	43,618	34,371	52,842	34,882	38,354	48,185	39,738	42,319	38,932	36,201
Kvichak River drainage	30,013	26,562	24,203	26,278	26,452	32,209	33,684	29,475	23,748	25,703	25,297
Nushagak, Wood River, and Togiak	43,519	32,618	40,987	46,011	49,078	44,259	43,550	34,638	30,394	23,429	37,024
Total	1,560,562	1,569,513	1,535,501	1,709,671	1,712,610	1,605,852	1,799,352	1,622,920	1,522,345	1,371,492	1,326,950
Arctic-Yukon-Kuskokwim											
Upper Copper River drainage ^b	48,879	46,613	52,051	39,702	37,188	33,964	44,628	39,899	44,564	40,912	25,961
Tanana River drainage	91,135	108,462	99,934	116,486	93,398	79,677	100,956	72,335	92,497	96,859	67,378
Kuskokwim River and Bay drainages	20,673	20,645	24,369	25,406	19,447	22,389	21,206	25,862	17,791	19,455	22,141
Seward Peninsula-Norton Sound	10,955	18,325	12,403	13,323	17,067	17,572	16,667	21,995	17,223	10,610	11,390
Northwest Alaska	5,904	6,417	6,121	5,704	3,118	6,786	5,027	4,421	7,431	3,470	4,663
Yukon River drainage	10,560	15,044	9,117	13,109	8,965	11,423	11,394	12,973	10,608	9,134	10,291
North Slope/Brooks Range	6,032	4,770	2,710	3,311	4,352	3,463	4,154	5,599	3,905	4,384	2,931
Total	194,138	220,276	206,705	217,041	183,535	175,274	204,032	183,084	194,019	184,824	144,755
Alaska Total	2,261,941	2,259,091	2,219,398	2,473,961	2,463,929	2,297,961	2,543,674	2,315,601	2,216,445	2,000,167	1,919,313

^a In 2000, Glacier Bay (Area G) was expanded to encompass Icy Strait, Cross Sound, and a portion of Northern Chichagof I. formerly reported within the Sitka Management (Area D).

^b In 2001 the Prince William Sound/North Gulf Coast (Area J) was expanded to include North Gulf Coast waters to Gore Point, formerly reported to Kenai Peninsula (Area P).

^c In 2004, the Susitna River drainage (Area M) was expanded to include all drainages of the Susitna River including the upper, east and west Susitna River drainages.

^d Starting in 2006, Cook Inlet salt waters were reported to area P (Kenai Peninsula–Cook Inlet area). West Cook Inlet drainages (N) only include freshwater lakes and streams.

Table 2.9.—Alaska sport fish harvest estimates by species, 2001–2011, and catch estimates by species, 2011.

Species	Harvest											Catch 2011
	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	
Salmon species:												
Sea-run Chinook	177,473	153,941	177,092	193,041	204,468	200,743	192,816	132,257	133,328	117,644	128,107	338,883
Sea-run coho	811,799	776,033	783,328	861,490	937,965	652,953	716,815	676,376	665,000	565,943	575,303	897,214
Landlocked coho/Chinook	33,432	38,468	18,168	25,267	17,214	9,964	9,578	10,433	8,153	8,849	2,838	9,407
Sockeye	354,061	393,343	447,492	444,703	437,120	352,265	487,126	410,087	464,658	440,275	535,109	863,229
Kokanee salmon	37	29	0	66	48	32	0	8	110	0	0	0
Pink	136,486	173,644	136,495	193,841	185,548	107,437	168,920	134,546	158,971	118,049	94,638	395,371
Chum	37,196	26,377	34,110	33,568	26,814	22,803	25,048	20,791	31,695	19,084	29,058	187,256
Other species:												
Steelhead	421	526	367	396	639	393	249	269	382	91	133	11,558
Rainbow trout	81,279	117,063	84,531	85,136	60,826	53,086	50,231	49,159	35,976	38,941	32,098	651,444
Cutthroat trout	6,856	4,092	5,132	4,975	3,634	3,405	1,903	2,909	3,644	2,708	2,690	23,052
Brook trout	123	387	0	0	0	328	35	0	25	0	0	179
Lake trout	4,995	7,109	7,084	7,934	7,312	3,103	3,711	4,145	5,190	4,963	3,684	20,242
Dolly Varden/Arctic char	65,103	60,994	67,330	68,593	42,791	46,320	48,260	50,754	45,500	36,308	30,739	413,212
Arctic grayling	25,656	37,910	30,742	26,259	23,634	17,552	19,528	22,586	25,763	20,544	13,892	229,465
Northern pike	23,623	22,567	17,388	28,799	24,819	18,184	17,174	12,959	18,763	16,353	18,977	51,920
Whitefish	7,268	5,488	2,334	6,877	3,553	3,037	3,354	2,403	2,931	3,355	1,792	4,490
Burbot	3,744	9,119	6,099	5,704	6,035	4,377	5,410	4,618	5,853	6,265	2,336	3,580
Sheefish	1,930	1,211	2,851	3,345	2,949	1,576	1,715	797	1,340	1,064	633	2,776
Smelt	84,807	96,304	77,999	74,292	30,591	18,211	34,647	35,769	61,432	95,776	59,518	68,887
Pacific Halibut	365,539	350,809	402,862	482,550	500,048	462,855	584,764	516,480	440,255	397,998	393,571	704,730
Shark ^a	585	438	958	502	1,583	867	1,122	917	396	332	531	14,151
Rockfish	116,818	120,398	118,316	180,143	183,733	173,159	197,545	226,385	209,094	224,041	211,436	333,408
Lingcod	26,757	20,255	21,521	30,920	37,521	35,124	41,521	36,607	32,176	32,218	32,942	68,604
Pacific cod ^a	3,389	2,562	3,821	3,535	27,950	15,864	20,234	24,777	36,290	36,552	47,883	123,581
Black cod/Sablefish ^b										8,785	10,187	17,710
Razor clams	673,601	788,665	590,018	550,540	450,961	483,223	389,164	592,910	556,022	356,685	435,855	435,855
Other fish	35,122	8,700	16,098	20,472	17,420	22,545	11,623	7,668	8,316	13,772	13,127	51,492
Total	3,078,100	3,216,432	3,052,136	3,332,948	3,235,176	2,709,406	3,032,493	2,976,610	2,951,263	2,566,595	2,677,077	5,921,696

^a Estimates were not generated for this species in Southeast Alaska prior to 2005.

^b Information for this species was first collected in 2010.

Table 2.10.—Alaska saltwater sport fish harvest estimates by species, 2001–2011, and catch estimates by species, 2011.

Species	Harvest											Catch 2011
	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	
Salmon species:												
Sea-run Chinook	89,192	88,506	95,596	109,632	116,346	116,906	109,741	70,776	88,962	77,706	84,863	180,092
Sea-run coho	537,380	496,716	537,488	560,007	694,520	395,399	506,080	402,799	418,353	349,716	385,651	473,528
Sockeye	24,687	24,373	28,524	23,536	27,134	20,502	32,050	29,357	34,151	27,876	31,451	41,478
Pink	110,634	113,702	111,034	132,317	149,272	64,742	133,415	88,425	116,893	82,083	72,457	207,944
Chum	23,903	14,103	23,159	24,270	17,442	13,928	18,065	11,603	22,499	11,191	21,419	59,624
Other species:												
Steelhead	116	411	155	242	491	102	179	117	142	32	80	702
Cutthroat trout	1,447	863	1,259	1,718	660	766	285	267	697	639	435	4,081
Dolly Varden/Arctic char	14,256	10,080	11,146	11,891	8,381	9,006	10,144	10,117	7,815	6,698	4,083	14,709
Arctic grayling	17	0	0	0	0	290	0	113	0	0	0	0
Sheefish	249	24	1,774	982	0	203	65	61	170	288	128	160
Smelt	21,132	67,539	38,483	17,696	13,664	12,856	24,077	26,433	33,009	76,509	43,193	52,538
Pacific Halibut	365,539	350,809	402,862	482,550	500,048	462,855	584,764	516,480	440,255	397,998	393,571	704,730
Shark ^a	585	438	958	502	1,583	867	1,122	917	396	332	531	14,151
Rockfish	116,818	120,398	118,316	180,143	183,733	173,159	197,545	226,385	209,094	224,041	211,436	333,408
Lingcod	26,757	20,255	21,521	30,920	37,521	35,124	41,521	36,607	32,176	32,218	32,942	68,604
Pacific cod ^a	3,389	2,562	3,821	3,535	27,950	15,864	20,234	24,777	36,290	36,552	47,883	123,581
Black cod/Sablefish ^b										8,785	10,187	17,710
Razor clams	673,601	788,665	590,018	550,540	450,961	483,223	389,164	592,910	556,022	356,685	435,855	435,855
Other fish	25,362	7,087	13,645	17,287	11,469	17,468	10,014	7,218	7,162	12,617	10,321	44,666
Total	2,035,064	2,106,531	1,999,759	2,147,768	2,241,175	1,823,260	2,078,465	2,045,362	2,004,086	1,701,966	1,786,486	2,777,561

^a Estimates were not generated for this species in Southeast Alaska prior to 2005.

^b Information for this species was first collected in 2010.

Table 2.11.—Alaska freshwater sport fish harvest estimates by species, 2001–2011, and catch estimates by species, 2011.

Species	Harvest											Catch 2011
	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	
Salmon species:												
Sea-run Chinook	88,281	65,435	81,496	83,409	88,122	83,837	83,075	61,481	44,366	39,938	43,244	158,791
Sea-run coho	274,419	279,317	245,840	301,483	243,445	257,554	210,735	273,577	246,647	216,227	189,652	423,686
Landlocked coho/Chinook	33,432	38,468	18,168	25,267	17,214	9,964	9,578	10,433	8,153	8,849	2,838	9,407
Sockeye	329,374	368,970	418,968	421,167	409,986	331,763	455,076	380,730	430,507	412,399	503,658	821,751
Kokanee salmon	37	29	0	66	48	32	0	8	110	0	0	0
Pink	25,852	59,942	25,461	61,524	36,276	42,695	35,505	46,121	42,078	35,966	22,181	187,427
Chum	13,293	12,274	10,951	9,298	9,372	8,875	6,983	9,188	9,196	7,893	7,639	127,632
Other species:												
Steelhead	305	115	212	154	148	291	70	152	240	59	53	10,856
Rainbow trout	81,279	117,063	84,531	85,136	60,826	53,086	50,231	49,159	35,976	38,941	32,098	651,444
Cutthroat trout	5,409	3,229	3,873	3,257	2,974	2,639	1,618	2,642	2,947	2,069	2,255	18,971
Brook trout	123	387	0	0	0	328	35	0	25	0	0	179
Lake trout	4,995	7,109	7,084	7,934	7,312	3,103	3,711	4,145	5,190	4,963	3,684	20,242
Dolly Varden/Arctic char	50,847	50,914	56,184	56,702	34,410	37,314	38,116	40,637	37,685	29,610	26,656	398,503
Arctic grayling	25,639	37,910	30,742	26,259	23,634	17,262	19,528	22,473	25,763	20,544	13,892	229,465
Northern pike	23,623	22,567	17,388	28,799	24,819	18,184	17,174	12,959	18,763	16,353	18,977	51,920
Whitefish	7,268	5,488	2,258	6,850	3,553	2,803	3,354	2,403	2,690	3,355	1,792	4,490
Burbot	3,744	9,119	6,099	5,704	6,035	4,377	5,410	4,618	5,853	6,265	2,336	3,580
Sheefish	1,681	1,187	1,077	2,363	2,949	1,373	1,650	736	1,170	776	505	2,616
Smelt	63,675	28,765	39,516	56,596	16,927	5,355	10,570	9,336	28,423	19,267	16,325	16,349
Other fish	9,760	1,613	2,453	3,185	5,951	5,077	1,609	450	1,154	1,155	2,806	6,826
Total	1,043,036	1,109,901	1,052,301	1,185,153	994,001	885,912	954,028	931,248	946,936	864,629	890,591	3,144,135

Table 2.12.—Southeast Alaska sport fish harvest estimates by species, 2001–2011, and catch estimates by species, 2011.

Species	Harvest											Catch 2011
	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	
Salmon species:												
Sea-run Chinook	72,291	69,537	69,370	80,572	86,575	85,794	82,848	49,265	69,565	58,503	66,575	155,279
Sea-run coho	321,106	277,150	322,882	330,651	409,303	209,577	261,445	230,708	254,752	186,302	235,857	345,717
Landlocked coho/Chinook	1,488	484	1,254	76	536	898	764	404	1,962	2,696	150	581
Sockeye	19,841	16,840	27,076	20,492	16,501	20,828	17,421	14,144	14,736	12,494	20,769	43,522
Kokanee salmon	37	29	0	66	48	32	0	8	110	0	0	0
Pink	75,193	81,182	74,196	99,543	104,331	38,990	89,832	55,684	92,355	59,920	59,002	209,422
Chum	21,357	13,109	21,114	21,484	15,710	10,639	18,169	8,834	21,615	8,036	20,843	56,029
Other species:												
Steelhead	258	94	149	169	143	198	113	116	134	46	24	8,288
Rainbow trout	1,298	1,589	1,119	732	1,159	639	1,182	1,029	1,107	873	284	6,703
Cutthroat trout	6,391	3,851	4,070	4,708	3,067	3,194	1,627	2,620	3,012	2,142	2,003	18,824
Brook trout	123	387	0	0	0	328	35	0	25	0	0	179
Lake trout	0	0	0	0	0	0	0	0	0	0	0	0
Dolly Varden/Arctic char	16,258	15,720	20,707	16,781	11,602	12,756	8,622	14,746	11,439	8,587	6,689	43,761
Arctic grayling	26	14	0	0	193	0	13	0	18	0	0	0
Northern pike	26	0	0	0	181	0	0	0	0	0	0	48
Whitefish	0	15	0	0	48	0	0	0	0	0	0	0
Burbot	0	0	0	0	0	0	0	0	0	0	0	0
Sheefish	0	0	0	0	0	0	0	0	0	0	0	0
Smelt	3,599	1,396	7,280	3,542	3,410	798	5,082	3,379	2,393	1,469	4,085	4,890
Pacific Halibut	113,692	107,185	124,857	151,913	167,806	145,218	183,603	174,227	124,226	100,578	83,934	140,889
Shark ^a					576	149	349	231	159	17	56	4,614
Rockfish	57,578	49,749	55,394	87,663	89,990	85,485	94,538	118,997	93,751	105,565	109,157	166,331
Lingcod	16,424	9,597	10,656	16,064	22,087	18,497	14,085	11,899	9,299	8,967	9,320	23,471
Pacific cod ^a					13,019	9,165	9,267	9,553	11,527	9,292	12,361	20,154
Black cod/sablefish ^b										4,793	6,705	9,969
Razor clams	65	0	0	0	201	2,523	874	1,738	230	0	0	0
Other fish	2,413	2,215	5,428	7,960	5,527	13,977	5,046	4,165	3,431	8,163	3,101	15,614
Total	729,464	650,143	745,552	842,416	952,013	659,685	794,915	701,747	715,846	578,443	640,915	1,274,285

^a Estimates were not generated for this species in Southeast Alaska prior to 2005.

^b Information for this species was first collected in 2010.

Table 2.13.—Southcentral Alaska sport fish harvest estimates by species, 2001–2011, and catch estimates by species, 2011.

Species	Harvest											Catch 2011
	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	
Salmon species:												
Sea-run Chinook	97,881	76,609	98,287	105,789	111,664	109,055	101,059	77,334	59,855	55,291	57,511	160,229
Sea-run coho	480,048	488,911	450,231	516,183	514,473	425,981	444,032	426,916	397,945	369,235	331,506	499,082
Landlocked coho/Chinook	21,465	20,009	10,183	16,732	13,500	6,525	4,525	4,677	3,607	3,220	1,451	5,836
Sockeye	325,590	368,472	412,365	416,752	411,382	316,254	445,748	383,143	436,113	412,559	505,893	799,418
Kokanee salmon	0	0	0	0	0	0	0	0	0	0	0	0
Pink	60,922	87,950	59,895	85,465	78,124	62,740	77,457	70,328	64,974	55,332	35,070	181,618
Chum	12,201	10,862	10,486	11,057	9,625	8,332	5,472	7,989	8,903	8,765	6,803	105,324
Other species:												
Steelhead	163	432	218	227	496	195	136	153	248	45	109	3,270
Rainbow trout	57,629	73,542	53,155	56,082	39,790	33,119	30,361	36,334	23,365	25,712	23,073	563,853
Cutthroat trout	465	241	1,062	267	567	211	276	289	632	566	687	4,228
Brook trout	0	0	0	0	0	0	0	0	0	0	0	0
Lake trout	3,092	3,747	3,983	5,690	4,572	1,832	2,451	3,089	2,892	2,963	2,790	15,781
Dolly Varden/Arctic char	35,343	29,755	30,866	37,059	21,647	23,102	29,343	26,024	22,081	20,612	16,143	281,262
Arctic grayling	7,022	6,929	5,987	7,291	3,697	4,730	5,011	6,251	5,663	5,740	4,235	71,174
Northern pike	16,673	14,862	11,282	17,122	13,802	13,261	11,062	9,270	12,919	11,093	16,943	28,080
Whitefish	1,988	1,053	661	1,031	1,558	746	1,020	1,176	1,183	994	708	1,871
Burbot	740	1,467	1,378	1,248	1,624	1,351	1,290	2,458	1,055	2,371	682	1,454
Sheefish	0	0	0	0	0	0	0	0	0	0	0	0
Smelt	80,084	94,434	70,719	68,330	27,181	17,063	26,420	32,086	58,592	94,307	55,433	63,997
Pacific Halibut	251,847	243,624	277,924	330,609	332,114	317,637	401,161	342,253	316,029	297,420	309,637	563,841
Shark	585	438	958	502	1,007	718	773	686	237	315	475	9,537
Rockfish	59,240	70,649	62,922	92,480	93,743	87,674	103,007	107,388	115,343	118,476	102,279	167,077
Lingcod	10,333	10,658	10,865	14,856	15,434	16,627	27,436	24,708	22,877	23,251	23,622	45,133
Pacific cod	3,389	2,562	3,821	3,535	14,931	6,699	10,967	15,224	24,763	27,260	35,522	103,427
Black cod/Sablefish ^a										3,992	3,482	7,741
Razor clams	673,536	788,665	590,018	550,540	450,760	480,700	388,290	588,098	555,792	355,670	435,855	435,855
Other fish	28,603	5,955	10,289	11,393	11,516	8,318	5,915	3,280	4,725	5,402	9,990	35,763
Total	2,228,839	2,401,826	2,177,555	2,350,240	2,173,207	1,942,870	2,123,212	2,169,154	2,139,793	1,900,591	1,979,899	4,154,851

^a Information for this species was first collected in 2010.

Table 2.14.—Arctic-Yukon-Kuskokwim Alaska sport fish harvest estimates by species, 2001–2011, and catch estimates by species, 2011.

Species	Harvest											Catch 2011
	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	
Salmon species:												
Sea-run Chinook	7,301	7,795	9,435	6,680	6,229	5,894	8,909	5,658	3,908	3,850	4,021	23,375
Sea-run coho	10,645	9,972	10,215	14,656	14,189	17,395	11,338	18,752	12,303	10,406	7,940	52,415
Landlocked coho/Chinook	10,479	17,975	6,731	8,459	3,178	2,541	4,289	5,352	2,584	2,933	1,237	2,990
Sockeye	8,630	8,031	8,051	7,459	9,237	15,183	23,957	12,800	13,809	15,222	8,447	20,289
Kokanee salmon	0	0	0	0	0	0	0	0	0	0	0	0
Pink	371	4,512	2,404	8,833	3,093	5,707	1,631	8,534	1,642	2,797	566	4,331
Chum	3,638	2,406	2,510	1,027	1,479	3,832	1,407	3,968	1,177	2,283	1,412	25,903
Other species:												
Steelhead	0	0	0	0	0	0	0	0	0	0	0	0
Rainbow trout	22,352	41,932	30,257	28,322	19,877	19,328	18,688	11,796	11,504	12,356	8,741	80,888
Cutthroat trout	0	0	0	0	0	0	0	0	0	0	0	0
Brook trout	0	0	0	0	0	0	0	0	0	0	0	0
Lake trout	1,903	3,362	3,101	2,244	2,740	1,271	1,260	1,056	2,298	2,000	894	4,461
Dolly Varden/Arctic char	13,502	15,519	15,757	14,753	9,542	10,462	10,295	9,984	11,980	7,109	7,907	88,189
Arctic grayling	18,608	30,967	24,755	18,968	19,744	12,822	14,504	16,335	20,082	14,804	9,657	158,291
Northern pike	6,924	7,705	6,106	11,677	10,836	4,923	6,112	3,689	5,844	5,260	2,034	23,792
Whitefish	5,280	4,420	1,673	5,846	1,947	2,291	2,334	1,227	1,748	2,361	1,084	2,619
Burbot	3,004	7,652	4,721	4,456	4,411	3,026	4,120	2,160	4,798	3,894	1,654	2,126
Sheefish	1,930	1,211	2,851	3,345	2,949	1,576	1,715	797	1,340	1,064	633	2,776
Smelt	1,124	474	0	2,420	0	350	3,145	304	447	0	0	0
Pacific Halibut	0	0	81	28	128	0	0	0	0	0	0	0
Shark	0	0	0	0	0	0	0	0	0	0	0	0
Rockfish	0	0	0	0	0	0	0	0	0	0	0	0
Lingcod	0	0	0	0	0	0	0	0	0	0	0	0
Pacific cod	0	0	0	0	0	0	0	0	0	0	0	0
Black cod/Sablefish ^a										0	0	0
Razor clams	0	0	0	0	0	0	0	3,074	0	1,015	0	0
Other fish	4,106	530	381	1,119	377	250	662	223	160	207	36	115
Total	119,797	164,463	129,029	140,292	109,956	106,851	114,366	105,709	95,624	87,561	56,263	492,560

^a Information for this species was first collected in 2010.

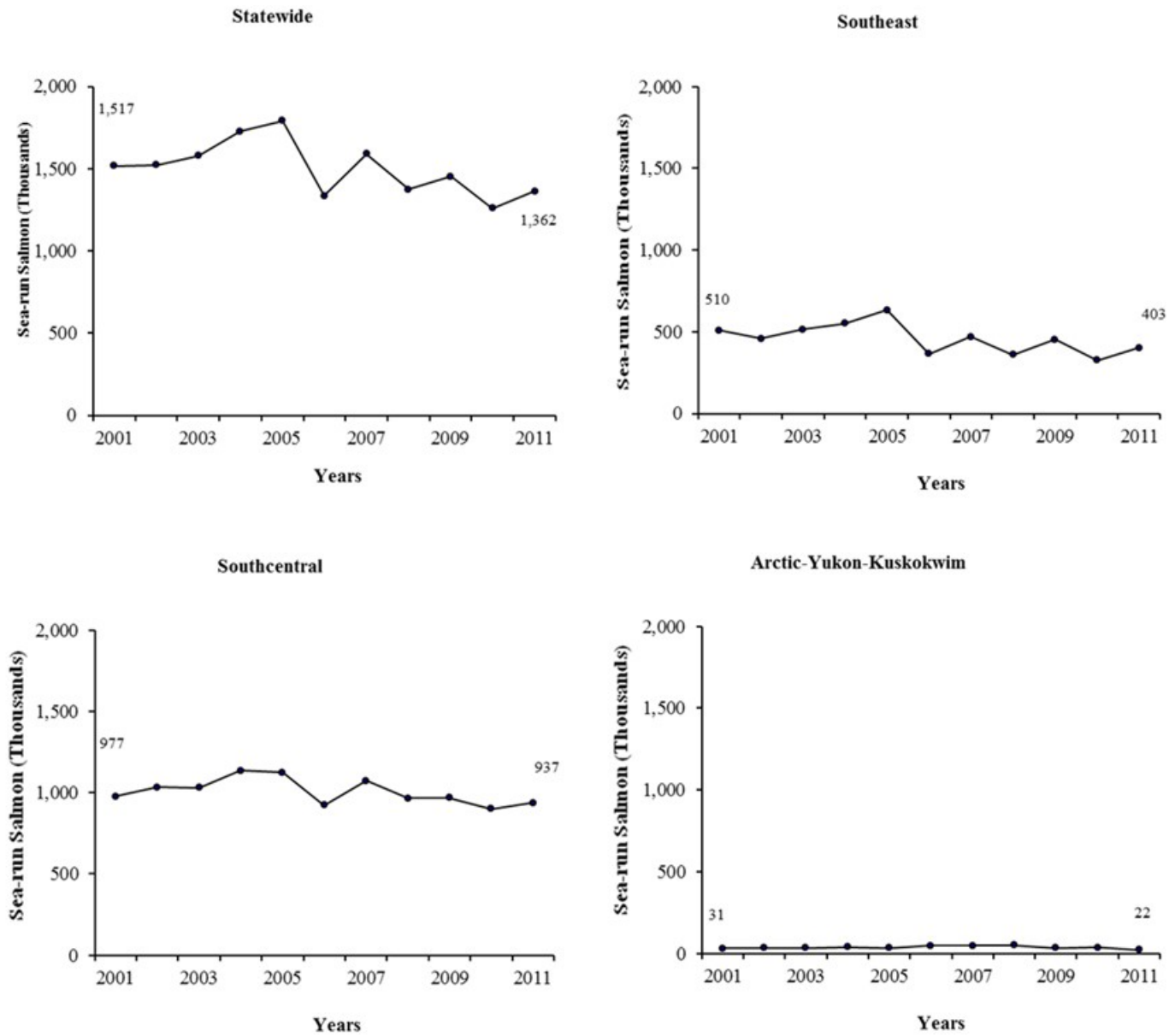


Figure 2.4.—Alaska sport sea-run salmon harvest estimates, 2001–2011, statewide and by region.

Table 2.15.—Alaska sport sea-run salmon harvest estimates, 2001–2011, and catch estimates, 2011, by region and area.

Area fished	Harvest											Catch 2011
	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	
Southeast												
Ketchikan	87,655	101,979	99,272	132,835	128,550	54,153	100,584	86,155	135,185	77,177	71,544	129,155
Prince of Wales	117,576	111,778	124,892	101,497	149,989	76,237	106,863	92,729	92,900	65,324	93,638	179,772
Kake, Petersburg, Wrangell, Stikine	22,351	20,481	20,306	23,763	25,808	17,686	19,993	14,714	22,342	13,098	15,701	27,383
Sitka	117,502	68,994	101,736	111,611	140,321	92,072	116,177	75,426	72,468	71,661	86,919	143,556
Juneau	87,336	74,005	82,115	79,510	88,466	59,999	50,636	38,485	56,936	44,739	50,048	95,649
Haines-Skagway	12,684	18,158	11,996	18,502	14,347	8,851	8,997	4,613	9,066	4,979	8,440	24,928
Glacier Bay	40,030	44,138	32,047	41,676	50,006	27,355	33,682	20,259	36,919	19,358	33,829	65,806
Yakutat	24,654	18,285	42,274	43,348	34,933	29,475	32,783	26,254	27,207	28,919	42,927	143,720
Total	509,788	457,818	514,638	552,742	632,420	365,828	469,715	358,635	453,023	325,255	403,046	809,969
Southcentral												
Prince William Sound/North Gulf Coast ^a	262,171	234,030	266,769	268,161	326,863	224,911	305,182	226,881	229,501	224,634	216,432	343,662
Knik Arm	38,248	54,413	34,927	45,669	35,169	49,866	39,740	46,458	46,631	34,522	14,168	25,172
Anchorage	47,292	30,651	19,909	18,471	20,854	25,706	17,345	23,181	18,836	8,702	9,555	31,775
Susitna River drainage ^b	53,727	48,454	35,318	77,606	70,781	78,914	59,691	63,693	56,783	48,332	40,396	144,063
West Cook Inlet drainages ^{b,c}	62,603	47,500	61,433	20,538	17,235	18,039	22,358	20,924	15,173	15,609	10,805	21,375
Kenai Peninsula-Cook Inlet ^{a,c}	411,919	513,048	507,234	570,964	530,869	410,611	496,808	455,681	478,015	472,998	547,084	846,781
Kodiak	55,990	70,105	60,959	73,323	74,917	61,305	76,984	68,633	64,372	48,864	54,246	130,848
Naknek River/Alaska Peninsula	20,169	18,272	20,733	27,851	16,883	20,350	24,101	24,361	28,462	22,638	16,809	57,408
Kvichak River drainage	8,158	6,036	6,691	12,942	12,723	12,106	9,119	13,576	11,863	10,947	11,900	55,064
Nushagak, Wood River, and Togiak	16,365	10,295	17,291	19,721	18,974	20,554	22,440	22,322	18,154	13,936	15,388	89,523
Total	976,642	1,032,804	1,031,264	1,135,246	1,125,268	922,362	1,073,768	965,710	967,790	901,182	936,783	1,745,671
Arctic-Yukon-Kuskokwim												
Upper Copper River drainage ^b	13,165	13,243	13,102	10,030	12,300	17,776	28,122	15,106	14,806	17,211	9,501	18,916
Tanana River drainage	1,818	1,326	3,533	2,133	894	1,582	929	485	1,022	744	733	5,813
Kuskokwim River and Bay drainages	6,467	6,670	6,433	9,338	8,149	6,279	7,660	8,784	7,205	5,207	6,462	76,134
Seward Peninsula-Norton Sound	7,244	10,134	6,364	15,552	12,049	18,393	8,952	21,801	8,587	8,772	4,406	19,910
Northwest Alaska	1,700	633	727	196	106	2,832	706	2,684	229	747	786	2,010
Yukon River drainage	191	639	2,407	1,318	729	794	873	636	979	1,877	498	3,530
North Slope/Brooks Range	0	71	49	88	0	355	0	216	11	0	0	0
Total	30,585	32,716	32,615	38,655	34,227	48,011	47,242	49,712	32,839	34,558	22,386	126,313
Alaska Total	1,517,015	1,523,338	1,578,517	1,726,643	1,791,915	1,336,201	1,590,725	1,374,057	1,453,652	1,260,995	1,362,215	2,681,953

^a In 2001 the Prince William Sound/North Gulf Coast (Area J) was expanded to include North Gulf Coast waters to Gore Point, formerly reported to Kenai Peninsula (Area P).

^b In 2004, the Susitna River drainage (Area M) was expanded to include all drainages of the Susitna River including the upper, east and west Susitna River drainages.

^c Starting in 2006, Cook Inlet salt waters were reported to Kenai Peninsula/Cook Inlet (Area P). West Cook Inlet drainages (Area N) only include freshwater lakes and streams.

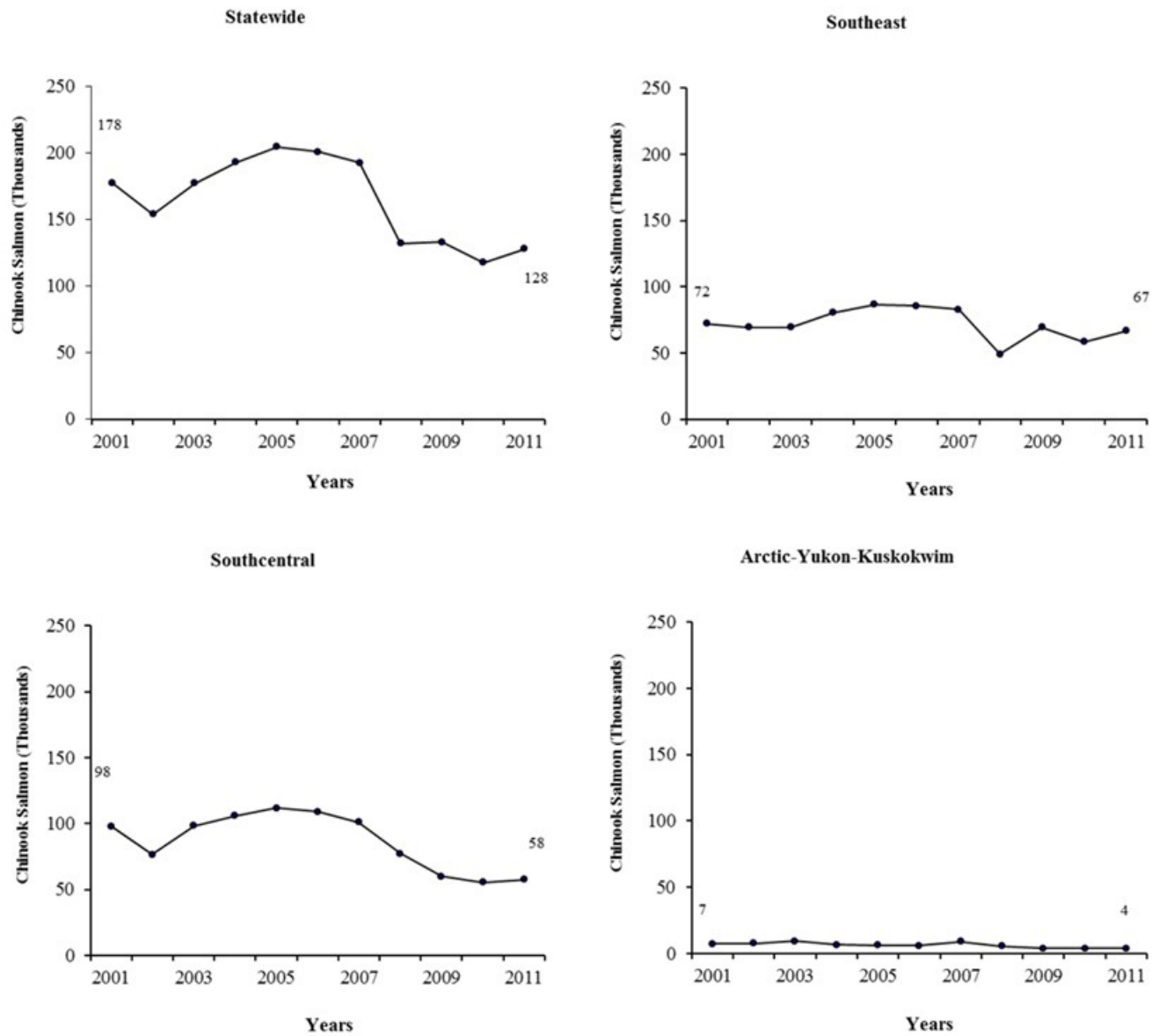


Figure 2.5.—Alaska sport sea-run Chinook salmon harvest estimates, 2001–2011, statewide and by region.

Table 2.16.—Alaska sport sea-run Chinook salmon harvest estimates, 2001–2011, and catch estimates, 2011, by region and area.

Area fished	Harvest											Catch 2011
	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	
Southeast												
Ketchikan	10,348	12,366	11,788	14,393	16,483	10,084	11,370	11,030	22,633	10,128	12,387	40,881
Prince of Wales	7,455	11,917	7,793	10,120	13,615	12,670	11,633	3,894	5,793	7,014	10,385	23,410
Kake, Petersburg, Wrangell, Stikine	9,962	8,542	7,465	7,958	8,988	10,972	10,797	5,669	5,328	3,987	3,843	8,327
Sitka	24,205	17,994	21,727	26,443	26,698	34,751	30,879	15,337	18,336	23,515	27,909	52,916
Juneau	15,215	13,364	13,679	14,756	14,948	11,163	10,372	10,524	12,169	10,085	6,839	14,085
Haines-Skagway	1,252	1,550	2,117	1,895	1,359	1,302	1,300	450	735	742	1,254	5,438
Glacier Bay	2,711	2,838	3,325	3,601	3,343	3,488	5,363	1,671	3,277	2,072	3,155	8,131
Yakutat	1,143	966	1,476	1,406	1,141	1,364	1,134	690	1,294	960	803	2,091
Total	72,291	69,537	69,370	80,572	86,575	85,794	82,848	49,265	69,565	58,503	66,575	155,279
Southcentral												
Prince William Sound/North Gulf Coast ^a	4,844	5,112	6,372	5,553	6,059	7,931	6,438	5,650	6,145	5,366	3,928	8,239
Knik Arm	2,255	3,195	2,562	2,556	3,692	3,813	4,326	2,843	2,152	1,076	1,012	2,066
Anchorage	4,452	2,421	3,678	3,160	4,329	3,165	3,106	2,647	1,027	1,130	616	1,322
Susitna River drainage ^b	13,504	10,695	9,499	24,192	24,632	24,864	20,341	13,426	8,368	8,894	8,701	23,307
West Cook Inlet drainages ^{b,c}	14,702	12,612	16,231	795	592	1,038	1,380	437	829	854	76	1,188
Kenai Peninsula-Cook Inlet ^{a,c}	38,611	29,889	40,228	44,107	48,870	42,633	39,017	31,959	22,183	24,270	24,373	45,082
Kodiak	7,649	5,674	9,031	11,263	9,298	11,821	11,251	9,466	8,854	6,440	7,926	13,093
Naknek River/Alaska Peninsula	4,028	2,528	3,105	4,263	3,215	3,682	2,538	2,134	2,826	2,329	2,923	9,780
Kvichak River drainage	592	421	577	1,293	1,440	1,132	1,075	1,072	300	418	1,427	4,832
Nushagak, Wood River, and Togiak	7,244	4,062	7,004	8,607	9,537	8,976	11,587	7,700	7,171	4,514	6,529	51,320
Total	97,881	76,609	98,287	105,789	111,664	109,055	101,059	77,334	59,855	55,291	57,511	160,229
Arctic-Yukon-Kuskokwim												
Upper Copper River drainage ^b	4,904	5,098	5,717	3,435	4,093	3,425	5,113	3,618	1,355	2,409	1,753	7,022
Tanana River drainage	667	478	2,153	1,319	483	638	549	254	836	313	372	1,432
Kuskokwim River and Bay drainages	1,384	1,397	734	1,197	1,092	1,277	2,543	1,037	1,399	906	1,733	13,448
Seward Peninsula-Norton Sound	334	802	239	535	561	427	277	580	291	61	61	574
Northwest Alaska	0	12	26	0	0	0	16	14	0	0	0	0
Yukon River drainage	12	8	566	194	0	101	411	155	27	161	102	899
North Slope/Brooks Range	0	0	0	0	0	26	0	0	0	0	0	0
Total	7,301	7,795	9,435	6,680	6,229	5,894	8,909	5,658	3,908	3,850	4,021	23,375
Alaska Total	177,473	153,941	177,092	193,041	204,468	200,743	192,816	132,257	133,328	117,644	128,107	338,883

^a In 2001 the Prince William Sound/North Gulf Coast (Area J) was expanded to include North Gulf Coast waters to Gore Point, formerly reported to Kenai Peninsula (Area P).

^b In 2004, the Susitna River drainage (Area M) was expanded to include all drainages of the Susitna River including the upper, east and west Susitna River drainages.

^c Starting in 2006, Cook Inlet salt waters were reported to Kenai Peninsula/Cook Inlet (Area P). West Cook Inlet drainages (Area N) only include freshwater lakes and streams.

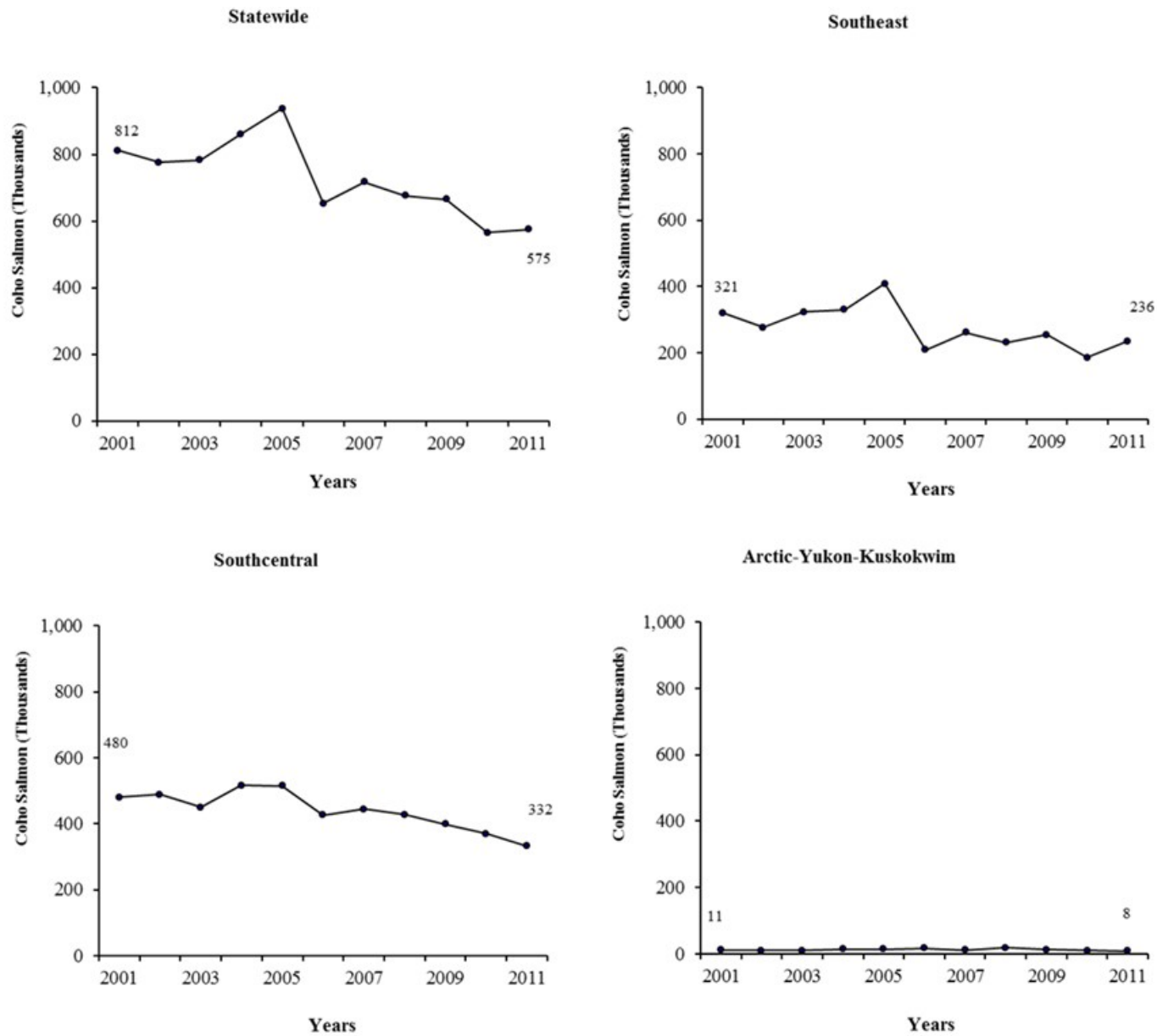


Figure 2.6.—Alaska sport sea-run coho salmon harvest estimates, 2001–2011, statewide and by region.

Table 2.17.—Alaska sport sea-run coho salmon harvest estimates, 2001–2011, and catch estimates, 2011, by region and area.

Area fished	Harvest											Catch 2011
	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	
Southeast												
Ketchikan	47,303	56,126	51,602	64,294	72,700	31,813	47,067	47,464	70,519	34,674	34,930	43,594
Prince of Wales	87,553	74,834	94,838	74,586	114,871	48,886	69,223	71,872	67,182	44,472	65,626	79,835
Kake, Petersburg, Wrangell, Stikine	6,916	9,268	9,348	11,894	12,645	4,578	6,043	7,043	11,233	7,604	9,906	12,942
Sitka	83,514	40,205	68,507	70,090	98,161	49,283	71,913	53,401	44,640	40,180	49,090	57,147
Juneau	49,296	48,480	49,658	47,088	56,435	39,193	28,408	18,578	25,304	25,972	28,264	35,979
Haines-Skagway	4,194	6,361	4,031	5,253	2,646	3,465	2,478	1,637	3,089	1,255	2,688	4,589
Glacier Bay	26,918	30,992	20,648	26,996	29,695	16,845	17,381	13,039	14,910	11,717	17,829	21,470
Yakutat	15,412	10,884	24,250	30,450	22,150	15,514	18,932	17,674	17,875	20,428	27,524	90,161
Total	321,106	277,150	322,882	330,651	409,303	209,577	261,445	230,708	254,752	186,302	235,857	345,717
Southcentral												
Prince William Sound/North Gulf Coast ^a	207,563	186,733	210,185	211,977	259,172	181,690	237,486	175,016	175,965	180,308	177,367	238,950
Knik Arm	30,106	44,448	24,583	34,298	27,000	39,953	27,733	35,996	37,380	26,369	8,484	12,471
Anchorage	40,693	26,260	13,375	13,447	15,063	19,863	10,692	17,996	10,805	4,466	7,405	10,327
Susitna River drainage ^b	26,617	27,183	18,585	38,269	36,223	45,738	30,261	41,708	31,193	30,327	21,806	41,122
West Cook Inlet drainages ^{b,c}	36,237	29,316	30,760	16,179	12,572	11,940	12,580	14,673	9,801	9,030	6,292	9,714
Kenai Peninsula-Cook Inlet ^{a,c}	95,023	123,318	101,999	132,339	105,168	77,105	72,334	84,285	79,547	75,737	65,738	94,809
Kodiak	28,653	37,429	31,976	46,101	42,951	32,190	35,489	32,067	32,574	25,674	28,369	48,689
Naknek River/Alaska Peninsula	9,178	9,418	12,190	13,665	9,164	9,277	9,945	12,133	12,666	10,917	7,406	17,346
Kvichak River drainage	1,835	1,310	1,430	3,082	2,132	2,273	1,316	2,547	1,921	2,086	2,517	8,369
Nushagak, Wood River, and Togiak	4,143	3,496	5,148	6,826	5,028	5,952	6,196	10,495	6,093	4,321	6,122	17,285
Total	480,048	488,911	450,231	516,183	514,473	425,981	444,032	426,916	397,945	369,235	331,506	499,082
Arctic-Yukon-Kuskokwim												
Upper Copper River drainage ^b	92	384	277	131	72	54	0	57	36	59	21	21
Tanana River drainage	1,122	541	1,317	716	267	629	339	170	115	369	284	3,761
Kuskokwim River and Bay drainages	4,474	4,265	5,297	7,096	5,591	3,793	3,802	6,344	4,724	3,527	3,713	36,033
Seward Peninsula-Norton Sound	4,802	4,211	3,039	5,806	7,899	12,283	6,897	11,947	6,579	5,876	3,582	11,827
Northwest Alaska	29	20	125	0	0	265	42	63	0	0	161	215
Yukon River drainage	126	551	160	907	360	371	258	171	849	575	179	558
North Slope/Brooks Range	0	0	0	0	0	0	0	0	0	0	0	0
Total	10,645	9,972	10,215	14,656	14,189	17,395	11,338	18,752	12,303	10,406	7,940	52,415
Alaska Total	811,799	776,033	783,328	861,490	937,965	652,953	716,815	676,376	665,000	565,943	575,303	897,214

^a In 2001 the Prince William Sound/North Gulf Coast (Area J) was expanded to include North Gulf Coast waters to Gore Point, formerly reported to Kenai Peninsula (Area P).

^b In 2004, the Susitna River drainage (Area M) was expanded to include all drainages of the Susitna River including the upper, east and west Susitna River drainages.

^c Starting in 2006, Cook Inlet salt waters were reported to Kenai Peninsula/Cook Inlet (Area P). West Cook Inlet drainages (Area N) only include freshwater lakes and streams.

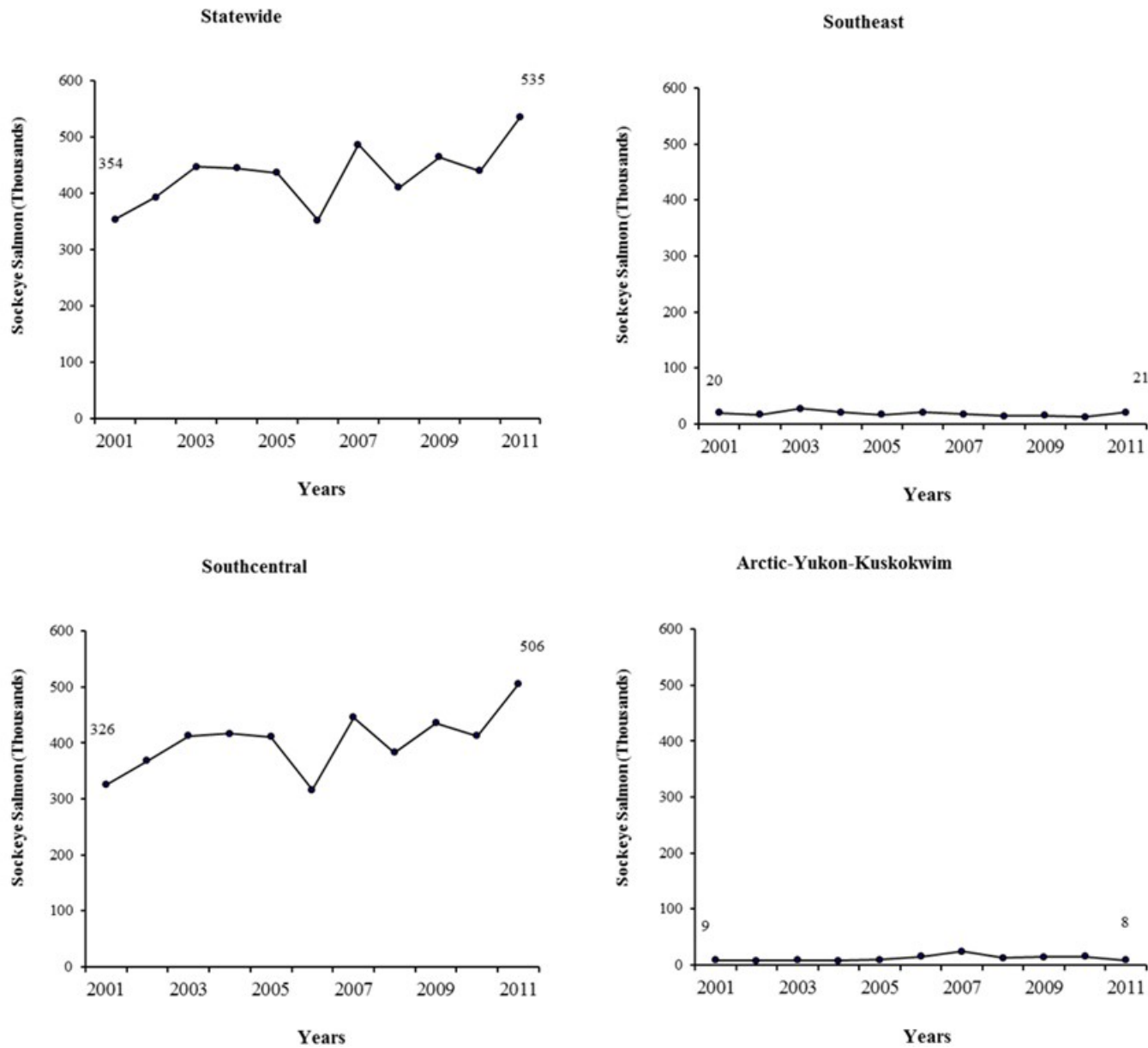


Figure 2.7.—Alaska sport sea-run sockeye harvest estimates, 2001–2011, statewide and by region.

Table 2.18.—Alaska sport sockeye salmon harvest estimates, 2001–2011, and catch estimates, 2011, by region and area.

Area fished	Harvest											Catch 2011
	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	
Southeast												
Ketchikan	1,436	1,082	3,040	1,175	1,298	1,075	1,622	727	1,546	994	1,216	2,534
Prince of Wales	3,304	2,103	1,932	1,049	1,105	1,977	1,894	1,337	1,364	926	2,482	5,834
Take, Petersburg, Wrangell, Stikine	1,450	1,185	1,314	1,080	170	918	596	763	1,264	184	402	613
Sitka	1,962	1,288	2,184	2,391	1,582	1,740	1,965	407	725	1,729	1,504	2,411
Juneau	2,098	1,202	1,242	1,797	2,724	1,583	1,287	2,556	2,177	1,822	982	1,390
Haines-Skagway	3,184	3,260	2,446	1,294	1,133	1,454	725	1,100	430	972	1,297	2,365
Glacier Bay	254	544	923	1,108	935	1,033	316	252	538	255	932	2,129
Yakutat	6,153	6,176	13,995	10,598	7,554	11,048	9,016	7,002	6,692	5,612	11,954	26,246
Total	19,841	16,840	27,076	20,492	16,501	20,828	17,421	14,144	14,736	12,494	20,769	43,522
Southcentral												
Prince William Sound/North Gulf Coast ^a	7,856	10,033	10,026	12,462	12,116	9,851	18,162	13,507	20,064	12,613	16,855	19,873
Knik Arm	4,328	4,619	6,606	7,148	3,460	4,622	7,030	6,695	5,997	5,630	3,719	5,066
Anchorage	894	330	943	286	551	91	172	223	192	193	244	535
Susitna River drainage ^b	6,776	3,427	2,734	6,465	4,105	2,308	4,921	4,689	9,783	5,449	5,906	14,610
West Cook Inlet drainages ^{b,c}	9,785	4,191	13,440	3,323	4,025	4,993	8,187	5,652	4,261	5,232	4,412	8,642
Kenai Peninsula-Cook Inlet ^{a,c}	269,416	324,720	354,020	365,196	363,352	269,663	376,099	314,178	362,955	354,239	448,602	678,041
Kodiak	12,199	12,215	12,562	7,884	10,374	6,317	13,541	17,800	11,117	11,294	10,923	20,882
Naknek River/Alaska Peninsula	6,079	4,927	4,431	5,324	2,871	5,885	7,857	8,596	8,679	7,520	5,718	16,994
Kvichak River drainage	4,983	2,815	3,795	7,219	7,632	8,245	6,273	9,346	9,580	7,075	7,569	25,264
Nushagak, Wood River, and Togiak	3,274	1,195	3,808	1,445	2,896	4,279	3,506	2,457	3,485	3,314	1,945	9,511
Total	325,590	368,472	412,365	416,752	411,382	316,254	445,748	383,143	436,113	412,559	505,893	799,418
Arctic-Yukon-Kuskokwim												
Upper Copper River drainage ^b	8,169	7,761	7,108	6,464	8,135	14,297	23,009	11,431	13,415	14,743	7,727	11,873
Tanana River drainage	0	0	0	0	0	0	0	0	0	0	0	0
Kuskokwim River and Bay drainages	422	267	289	512	792	864	876	1,109	394	459	662	8,301
Seward Peninsula-Norton Sound	39	0	572	404	232	22	72	260	0	0	58	72
Northwest Alaska	0	0	0	0	0	0	0	0	0	0	0	0
Yukon River drainage	0	3	82	79	78	0	0	0	0	20	0	43
North Slope/Brooks Range	0	0	0	0	0	0	0	0	0	0	0	0
Total	8,630	8,031	8,051	7,459	9,237	15,183	23,957	12,800	13,809	15,222	8,447	20,289
Alaska Total	354,061	393,343	447,492	444,703	437,120	352,265	487,126	410,087	464,658	440,275	535,109	863,229

^a In 2001 the Prince William Sound/North Gulf Coast (Area J) was expanded to include North Gulf Coast waters to Gore Point, formerly reported to Kenai Peninsula (Area P).

^b In 2004, the Susitna River drainage (Area M) was expanded to include all drainages of the Susitna River including the upper, east and west Susitna River drainages.

^c Starting in 2006, Cook Inlet salt waters were reported to Kenai Peninsula/Cook Inlet (Area P). West Cook Inlet drainages (Area N) only include freshwater lakes and streams.

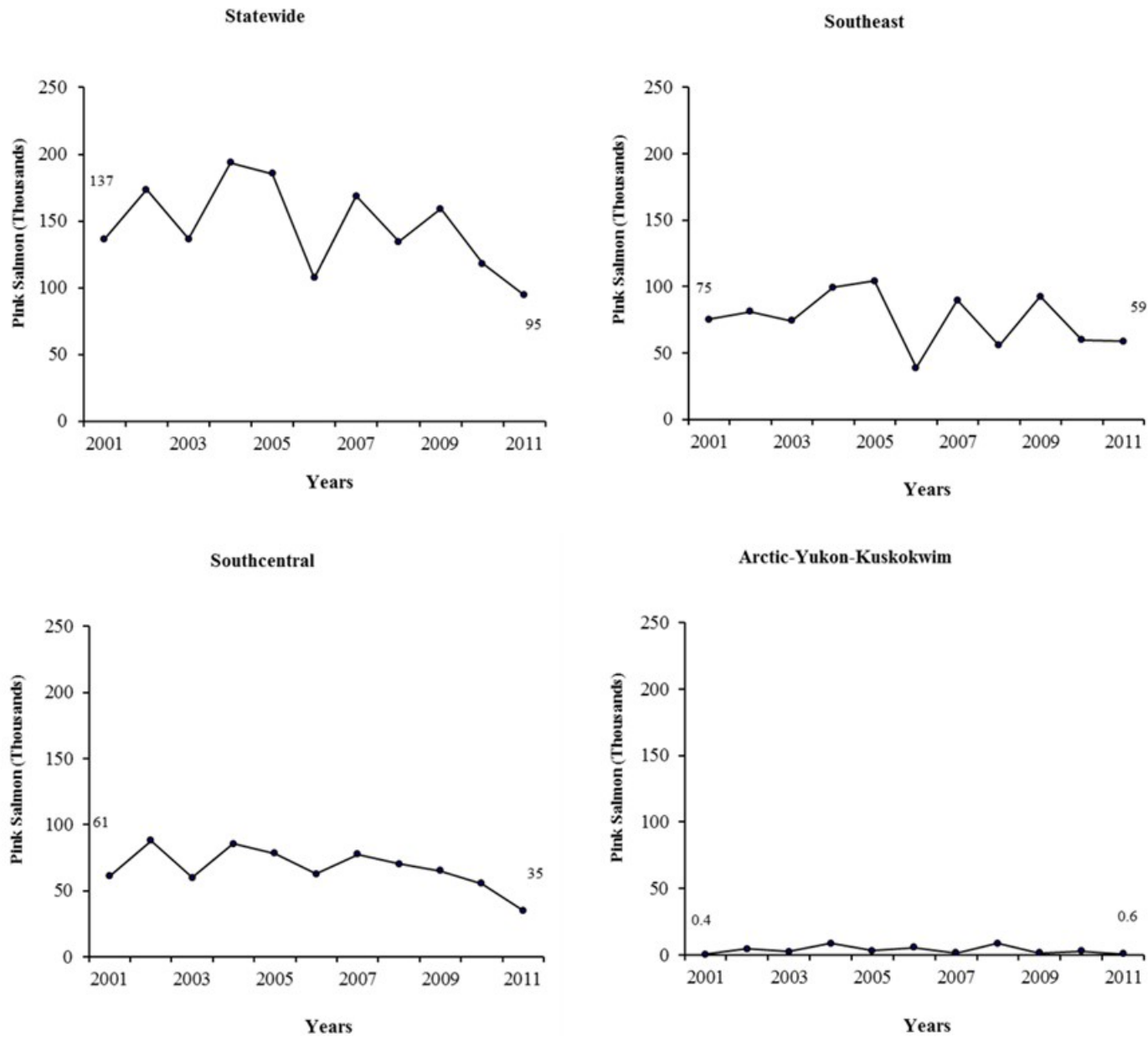


Figure 2.8.—Alaska sport pink salmon harvest estimates, 2001–2011, statewide and by region.

Table 2.19.—Alaska sport pink salmon harvest estimates, 2001–2011, and catch estimates, 2011, by region and area.

Area fished	Harvest											Catch 2011
	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	
Southeast												
Ketchikan	22,570	28,815	26,403	45,488	33,334	9,349	34,154	25,099	32,907	27,919	15,859	29,463
Prince of Wales	17,033	20,264	16,631	14,359	16,987	10,667	22,357	14,817	16,899	11,803	12,578	60,365
Kake, Petersburg, Wrangell, Stikine	3,560	1,187	1,851	2,256	3,544	959	2,044	1,195	3,783	1,013	1,097	3,917
Sitka	5,298	7,568	6,503	8,099	12,178	4,951	8,823	4,708	6,241	5,099	5,468	23,369
Juneau	12,578	7,787	12,566	11,101	11,344	4,981	7,375	4,372	11,319	5,717	9,305	31,678
Haines-Skagway	3,665	6,355	2,818	9,430	8,641	1,885	3,173	842	4,255	1,757	2,091	7,768
Glacier Bay	8,608	8,959	5,175	7,932	14,323	4,698	8,327	3,867	15,616	4,709	10,295	29,975
Yakutat	1,881	247	2,249	878	3,980	1,500	3,579	784	1,335	1,903	2,309	22,887
Total	75,193	81,182	74,196	99,543	104,331	38,990	89,832	55,684	92,355	59,920	59,002	209,422
Southcentral												
Prince William Sound/North Gulf Coast ^a	39,699	30,432	37,903	35,155	47,618	22,690	41,610	30,211	25,815	23,754	17,172	61,657
Knik Arm	404	466	52	859	270	698	287	304	370	919	294	1,734
Anchorage	783	1,168	1,600	1,272	677	2,345	3,278	2,032	6,426	2,578	893	15,241
Susitna River drainage ^b	3,650	3,760	1,775	5,613	3,156	4,505	2,703	2,289	5,518	2,040	1,696	29,170
West Cook Inlet drainages ^{b,c}	1,175	966	449	157	46	55	166	9	181	183	25	135
Kenai Peninsula-Cook Inlet ^{a,c}	7,617	33,671	10,221	28,772	12,964	20,277	9,162	24,666	12,761	18,435	7,752	25,665
Kodiak	6,498	14,696	6,842	7,476	11,513	10,495	16,316	8,602	11,118	4,886	6,751	44,624
Naknek River/Alaska Peninsula	551	979	620	3,755	1,407	1,348	3,498	1,366	2,750	1,455	468	3,059
Kvichak River drainage	330	1,070	199	1,041	381	78	298	296	12	470	10	125
Nushagak, Wood River, and Togiak	215	742	234	1,365	92	249	139	553	23	612	9	208
Total	60,922	87,950	59,895	85,465	78,124	62,740	77,457	70,328	64,974	55,332	35,070	181,618
Arctic-Yukon-Kuskokwim												
Upper Copper River drainage ^b	0	0	0	0	0	0	0	0	0	0	0	0
Tanana River drainage	0	0	0	0	0	0	0	0	0	0	0	0
Kuskokwim River and Bay drainages	11	143	46	416	66	187	0	32	337	80	0	1,105
Seward Peninsula-Norton Sound	360	4,303	2,222	8,309	3,027	5,317	1,601	8,259	1,305	2,717	566	3,134
Northwest Alaska	0	0	63	0	0	15	30	27	0	0	0	0
Yukon River drainage	0	0	24	33	0	54	0	0	0	0	0	92
North Slope/Brooks Range	0	66	49	75	0	134	0	216	0	0	0	0
Total	371	4,512	2,404	8,833	3,093	5,707	1,631	8,534	1,642	2,797	566	4,331
Alaska Total	136,486	173,644	136,495	193,841	185,548	107,437	168,920	134,546	158,971	118,049	94,638	395,371

^a In 2001 the Prince William Sound/North Gulf Coast (Area J) was expanded to include North Gulf Coast waters to Gore Point, formerly reported to Kenai Peninsula (Area P).

^b In 2004, the Susitna River drainage (Area M) was expanded to include all drainages of the Susitna River including the upper, east and west Susitna River drainages.

^c Starting in 2006, Cook Inlet salt waters were reported to Kenai Peninsula/Cook Inlet (Area P). West Cook Inlet drainages (Area N) only include freshwater lakes and streams.

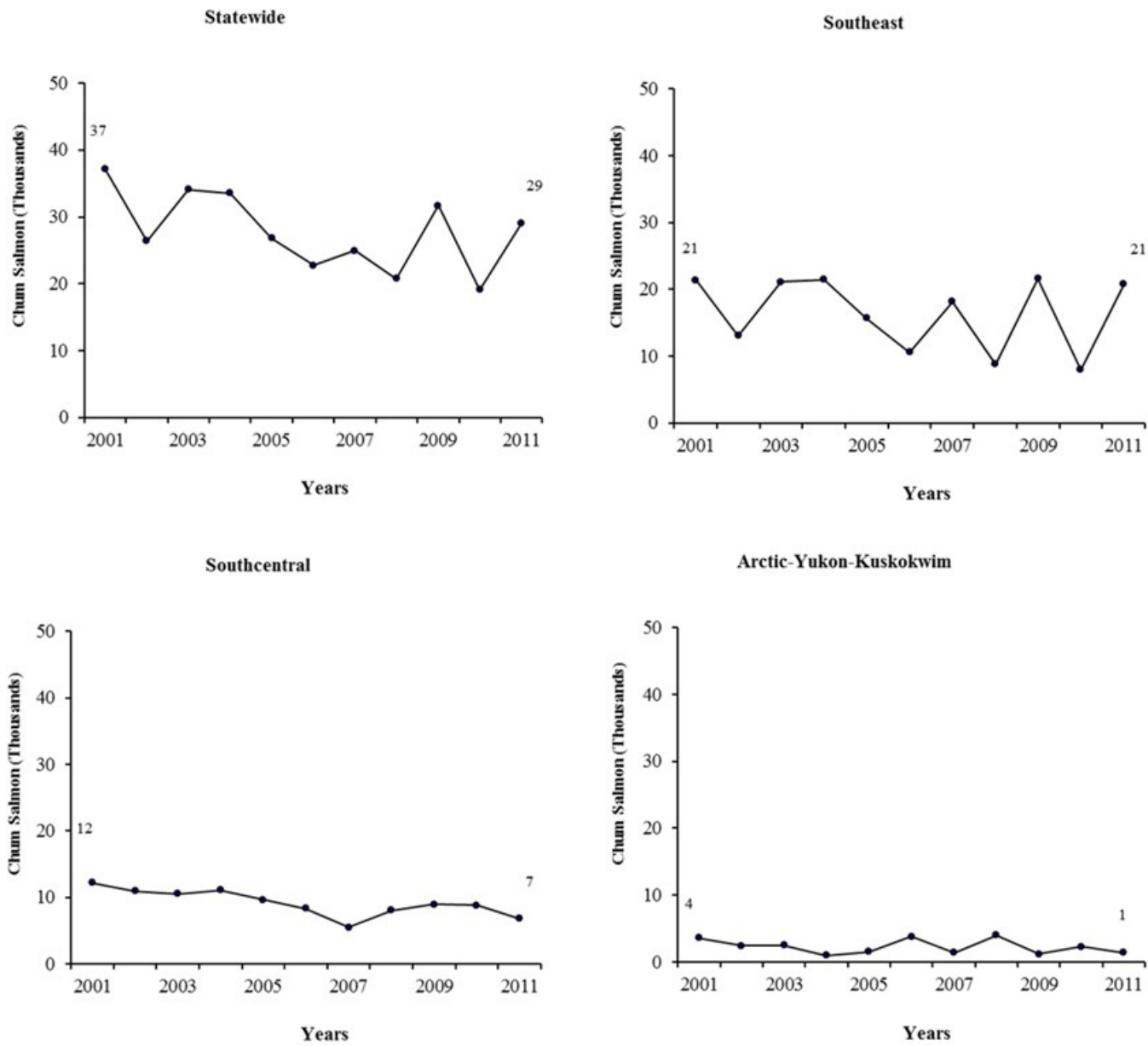


Figure 2.9.—Alaska sport chum salmon harvest estimates, 2001–2011, statewide and by region.

Table 2.20.—Alaska sport chum salmon harvest estimates, 2001–2011, and catch estimates, 2011, by region and area.

Area fished	Harvest											Catch 2011
	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	
Southeast												
Ketchikan	5,998	3,590	6,439	7,485	4,735	1,832	6,371	1,835	7,580	3,462	7,152	12,683
Prince of Wales	2,231	2,660	3,698	1,383	3,411	2,037	1,756	809	1,662	1,109	2,567	10,328
Kake, Petersburg, Wrangell, Stikine	463	299	328	575	461	259	513	44	734	310	453	1,584
Sitka	2,523	1,939	2,815	4,588	1,702	1,347	2,597	1,573	2,526	1,138	2,948	7,713
Juneau	8,149	3,172	4,970	4,768	3,015	3,079	3,194	2,455	5,967	1,143	4,658	12,517
Haines-Skagway	389	632	584	630	568	745	1,321	584	557	253	1,110	4,768
Glacier Bay	1,539	805	1,976	2,039	1,710	1,291	2,295	1,430	2,578	605	1,618	4,101
Yakutat	65	12	304	16	108	49	122	104	11	16	337	2,335
Total	21,357	13,109	21,114	21,484	15,710	10,639	18,169	8,834	21,615	8,036	20,843	56,029
Southcentral												
Prince William Sound/North Gulf Coast ^a	2,209	1,720	2,283	3,014	1,898	2,749	1,486	2,497	1,512	2,593	1,110	14,943
Knik Arm	1,155	1,685	1,124	808	747	780	364	620	732	528	659	3,835
Anchorage	470	472	313	306	234	242	97	283	386	335	397	4,350
Susitna River drainage ^b	3,180	3,389	2,725	3,067	2,665	1,499	1,465	1,581	1,921	1,622	2,287	35,854
West Cook Inlet drainages ^{b,c}	704	415	553	84	0	13	45	153	101	310	0	1,696
Kenai Peninsula-Cook Inlet ^{a,c}	1,252	1,450	766	550	515	933	196	593	569	317	619	3,184
Kodiak	991	91	548	599	781	482	387	698	709	570	277	3,560
Naknek River/Alaska Peninsula	333	420	387	844	226	158	263	132	1,541	417	294	10,229
Kvichak River drainage	418	420	690	307	1,138	378	157	315	50	898	377	16,474
Nushagak, Wood River, and Togiak	1,489	800	1,097	1,478	1,421	1,098	1,012	1,117	1,382	1,175	783	11,199
Total	12,201	10,862	10,486	11,057	9,625	8,332	5,472	7,989	8,903	8,765	6,803	105,324
Arctic-Yukon-Kuskokwim												
Upper Copper River drainage ^b	0	0	0	0	0	0	0	0	0	0	0	0
Tanana River drainage	29	307	63	98	144	315	41	61	71	62	77	620
Kuskokwim River and Bay drainages	176	598	67	117	608	158	439	262	351	235	354	17,247
Seward Peninsula-Norton Sound	1,709	818	292	498	330	344	105	755	412	118	139	4,303
Northwest Alaska	1,671	601	513	196	106	2,552	618	2,580	229	747	625	1,795
Yukon River drainage	53	77	1,575	105	291	268	204	310	103	1,121	217	1,938
North Slope/Brooks Range	0	5	0	13	0	195	0	0	11	0	0	0
Total	3,638	2,406	2,510	1,027	1,479	3,832	1,407	3,968	1,177	2,283	1,412	25,903
Alaska Total	37,196	26,377	34,110	33,568	26,814	22,803	25,048	20,791	31,695	19,084	29,058	187,256

^a In 2001 the Prince William Sound/North Gulf Coast (Area J) was expanded to include North Gulf Coast waters to Gore Point, formerly reported to Kenai Peninsula (Area P).

^b In 2004, the Susitna River drainage (Area M) was expanded to include all drainages of the Susitna River including the upper, east and west Susitna River drainages.

^c Starting in 2006, Cook Inlet salt waters were reported to Kenai Peninsula/Cook Inlet (Area P). West Cook Inlet drainages (Area N) only include freshwater lakes and streams.

Table 2.21.—Alaska sport landlocked coho salmon and Chinook salmon harvest estimates, 2001–2011, and catch estimates, 2011, by region and area.

Area fished	Harvest											Catch 2011
	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	
Southeast												
Ketchikan	0	0	0	0	0	0	0	0	0	0	0	101
Prince of Wales	0	0	0	0	0	0	0	0	0	0	0	0
Kake, Petersburg, Wrangell, Stikine	0	0	0	0	0	0	0	0	0	0	0	0
Sitka	0	0	0	0	0	0	0	0	0	0	0	0
Juneau	1,488	484	1,254	76	536	898	764	404	1,962	2,696	150	480
Haines-Skagway	0	0	0	0	0	0	0	0	0	0	0	0
Glacier Bay	0	0	0	0	0	0	0	0	0	0	0	0
Yakutat	0	0	0	0	0	0	0	0	0	0	0	0
Total	1,488	484	1,254	76	536	898	764	404	1,962	2,696	150	581
Southcentral												
Prince William Sound/North Gulf Coast ^a	0	0	0	0	0	0	0	0	0	0	0	0
Knik Arm	7,556	9,137	5,800	5,915	6,685	3,680	1,654	2,198	793	2,008	740	1,393
Anchorage	9,638	6,093	3,460	8,468	4,850	1,595	1,463	1,479	1,948	341	209	1,782
Susitna River drainage ^b	0	0	105	25	0	8	100	0	528	76	102	469
West Cook Inlet drainages ^{b,c}	0	0	0	0	0	0	0	0	0	0	0	0
Kenai Peninsula-Cook Inlet ^{a,c}	4,271	4,779	818	2,324	1,965	1,242	1,308	1,000	338	795	359	1,988
Kodiak	0	0	0	0	0	0	0	0	0	0	41	204
Naknek River/Alaska Peninsula	0	0	0	0	0	0	0	0	0	0	0	0
Kvichak River drainage	0	0	0	0	0	0	0	0	0	0	0	0
Nushagak, Wood River, and Togiak	0	0	0	0	0	0	0	0	0	0	0	0
Total	21,465	20,009	10,183	16,732	13,500	6,525	4,525	4,677	3,607	3,220	1,451	5,836
Arctic-Yukon-Kuskokwim												
Upper Copper River drainage ^b	282	282	51	0	122	42	0	0	44	101	10	10
Tanana River drainage	10,197	17,693	6,680	8,459	3,056	2,499	4,289	5,352	2,540	2,832	1,227	2,980
Kuskokwim River and Bay drainages	0	0	0	0	0	0	0	0	0	0	0	0
Seward Peninsula-Norton Sound	0	0	0	0	0	0	0	0	0	0	0	0
Northwest Alaska	0	0	0	0	0	0	0	0	0	0	0	0
Yukon River drainage	0	0	0	0	0	0	0	0	0	0	0	0
North Slope/Brooks Range	0	0	0	0	0	0	0	0	0	0	0	0
Total	10,479	17,975	6,731	8,459	3,178	2,541	4,289	5,352	2,584	2,933	1,237	2,990
Alaska Total	33,432	38,468	18,168	25,267	17,214	9,964	9,578	10,433	8,153	8,849	2,838	9,407

^a In 2001 the Prince William Sound/North Gulf Coast (Area J) was expanded to include North Gulf Coast waters to Gore Point, formerly reported to Kenai Peninsula (Area P).

^b In 2004, the Susitna River drainage (Area M) was expanded to include all drainages of the Susitna River including the upper, east and west Susitna River drainages.

^c Starting in 2006, Cook Inlet salt waters were reported to Kenai Peninsula/Cook Inlet (Area P). West Cook Inlet drainages (Area N) only include freshwater lakes and streams.

Table 2.22.—Alaska sport steelhead trout harvest estimates, 2001–2011, and catch estimates, 2011, by region and area.

Area fished	Harvest											Catch 2011
	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	
Southeast												
Ketchikan	76	38	24	33	48	39	0	0	11	0	0	94
Prince of Wales	39	0	31	65	13	50	7	34	0	18	0	934
Kake, Petersburg, Wrangell, Stikine	13	28	9	34	40	0	9	0	32	7	0	325
Sitka	39	0	7	0	42	0	8	0	0	9	15	411
Juneau	39	6	9	16	0	13	67	16	26	0	9	324
Haines-Skagway	0	0	6	13	0	0	7	13	0	12	0	0
Glacier Bay	0	0	9	8	0	89	8	0	39	0	0	119
Yakutat	52	22	54	0	0	7	7	53	26	0	0	6,081
Total	258	94	149	169	143	198	113	116	134	46	24	8,288
Southcentral												
Prince William Sound/North Gulf Coast ^a	90	319	100	155	407	7	66	19	69	14	38	38
Knik Arm	0	0	0	0	0	0	0	0	0	0	0	0
Anchorage	0	0	0	0	0	0	0	0	0	0	38	38
Susitna River drainage ^b	0	0	0	0	0	0	0	0	0	0	0	0
West Cook Inlet drainages ^{b,c}	0	0	0	0	0	0	0	0	0	0	0	0
Kenai Peninsula-Cook Inlet ^{a,c}	26	113	48	8	73	7	8	82	38	7	27	978
Kodiak	47	0	70	64	16	181	62	52	141	24	6	2,216
Naknek River/Alaska Peninsula	0	0	0	0	0	0	0	0	0	0	0	0
Kvichak River drainage	0	0	0	0	0	0	0	0	0	0	0	0
Nushagak, Wood River, and Togiak	0	0	0	0	0	0	0	0	0	0	0	0
Total	163	432	218	227	496	195	136	153	248	45	109	3,270
Arctic-Yukon-Kuskokwim												
Upper Copper River drainage ^b	0	0	0	0	0	0	0	0	0	0	0	0
Tanana River drainage	0	0	0	0	0	0	0	0	0	0	0	0
Kuskokwim River and Bay drainages	0	0	0	0	0	0	0	0	0	0	0	0
Seward Peninsula-Norton Sound	0	0	0	0	0	0	0	0	0	0	0	0
Northwest Alaska	0	0	0	0	0	0	0	0	0	0	0	0
Yukon River drainage	0	0	0	0	0	0	0	0	0	0	0	0
North Slope/Brooks Range	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0
Alaska Total	421	526	367	396	639	393	249	269	382	91	133	11,558

^a In 2001 the Prince William Sound/North Gulf Coast (Area J) was expanded to include North Gulf Coast waters to Gore Point, formerly reported to Kenai Peninsula (Area P).

^b In 2004, the Susitna River drainage (Area M) was expanded to include all drainages of the Susitna River including the upper, east and west Susitna River drainages.

^c Starting in 2006, Cook Inlet salt waters were reported to Kenai Peninsula/Cook Inlet (Area P). West Cook Inlet drainages (Area N) only include freshwater lakes and streams.

Table 2.23.—Alaska sport rainbow trout harvest estimates, 2001–2011, and catch estimates, 2011, by region and area.

Area fished	Harvest											Catch 2011
	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	
Southeast												
Ketchikan	583	473	304	235	853	186	313	457	747	308	73	2,222
Prince of Wales	233	276	183	147	116	57	234	345	244	402	83	2,268
Kake, Petersburg, Wrangell, Stikine	41	183	77	76	21	65	322	68	17	0	27	214
Sitka	325	480	258	274	148	284	266	67	36	91	81	1,281
Juneau	60	74	43	0	0	47	15	0	50	72	20	150
Haines-Skagway	0	12	11	0	0	0	0	0	0	0	0	0
Glacier Bay	0	47	166	0	0	0	21	92	13	0	0	105
Yakutat	56	44	77	0	21	0	11	0	0	0	0	463
Total	1,298	1,589	1,119	732	1,159	639	1,182	1,029	1,107	873	284	6,703
Southcentral												
Prince William Sound/North Gulf Coast ^a	655	717	431	220	148	242	313	15	50	28	20	804
Knik Arm	21,061	28,325	17,617	17,738	14,367	13,524	10,613	15,537	7,981	10,845	9,368	44,805
Anchorage	21,311	22,478	18,522	23,276	13,876	7,845	5,305	8,437	5,716	3,377	2,111	15,961
Susitna River drainage ^b	1,112	1,751	2,581	3,553	1,316	2,720	1,526	2,391	1,621	2,260	1,430	97,053
West Cook Inlet drainages ^{b,c}	1,029	1,445	1,689	177	196	170	216	106	10	89	43	843
Kenai Peninsula-Cook Inlet ^{a,c}	10,441	16,526	10,558	8,788	7,745	7,426	9,578	8,390	7,423	8,063	7,443	239,588
Kodiak	628	920	302	387	109	84	285	193	85	284	596	7,408
Naknek River/Alaska Peninsula	246	723	171	449	695	251	837	200	254	226	705	49,063
Kvichak River drainage	692	336	594	521	711	277	786	889	48	204	996	84,716
Nushagak, Wood River, and Togiak	454	321	690	973	627	580	902	176	177	336	361	23,612
Total	57,629	73,542	53,155	56,082	39,790	33,119	30,361	36,334	23,365	25,712	23,073	563,853
Arctic-Yukon-Kuskokwim												
Upper Copper River drainage ^b	2,416	3,294	3,761	2,311	1,907	2,223	615	1,001	1,254	1,194	1,065	8,292
Tanana River drainage	19,919	38,562	26,292	25,554	17,829	16,998	17,841	10,576	10,053	11,056	7,663	35,547
Kuskokwim River and Bay drainages	17	76	204	457	141	107	232	219	197	106	13	37,049
Seward Peninsula-Norton Sound	0	0	0	0	0	0	0	0	0	0	0	0
Northwest Alaska	0	0	0	0	0	0	0	0	0	0	0	0
Yukon River drainage	0	0	0	0	0	0	0	0	0	0	0	0
North Slope/Brooks Range	0	0	0	0	0	0	0	0	0	0	0	0
Total	22,352	41,932	30,257	28,322	19,877	19,328	18,688	11,796	11,504	12,356	8,741	80,888
Alaska Total	81,279	117,063	84,531	85,136	60,826	53,086	50,231	49,159	35,976	38,941	32,098	651,444

^a In 2001 the Prince William Sound/North Gulf Coast (Area J) was expanded to include North Gulf Coast waters to Gore Point, formerly reported to Kenai Peninsula (Area P).

^b In 2004, the Susitna River drainage (Area M) was expanded to include all drainages of the Susitna River including the upper, east and west Susitna River drainages.

^c Starting in 2006, Cook Inlet salt waters were reported to Kenai Peninsula/Cook Inlet (Area P). West Cook Inlet drainages (Area N) only include freshwater lakes and streams.

Table 2.24.—Alaska sport cutthroat trout harvest estimates, 2001–2011, and catch estimates, 2011, by region and area.

Area fished	Harvest											Catch 2011
	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	
Southeast												
Ketchikan	865	623	663	323	369	598	203	305	576	329	182	2,670
Prince of Wales	1,054	1,043	681	997	372	482	178	525	451	438	369	4,526
Take, Petersburg, Wrangell, Stikine	2,424	817	1,459	1,561	539	871	430	933	1,042	557	574	4,343
Sitka	640	372	341	371	542	257	199	324	127	81	233	1,976
Juneau	726	444	440	421	691	292	346	140	484	296	387	2,440
Haines-Skagway	400	370	412	781	482	592	147	342	262	231	186	1,171
Glacier Bay	282	182	74	233	63	102	115	37	70	195	72	662
Yakutat	0	0	0	21	9	0	9	14	0	15	0	1,036
Total	6,391	3,851	4,070	4,708	3,067	3,194	1,627	2,620	3,012	2,142	2,003	18,824
Southcentral												
Prince William Sound/North Gulf Coast ^a	465	241	1,062	267	567	211	276	289	632	566	687	4,228
Knik Arm	0	0	0	0	0	0	0	0	0	0	0	0
Anchorage	0	0	0	0	0	0	0	0	0	0	0	0
Susitna River drainage ^b	0	0	0	0	0	0	0	0	0	0	0	0
West Cook Inlet drainages ^{b,c}	0	0	0	0	0	0	0	0	0	0	0	0
Kenai Peninsula-Cook Inlet ^{a,c}	0	0	0	0	0	0	0	0	0	0	0	0
Kodiak	0	0	0	0	0	0	0	0	0	0	0	0
Naknek River/Alaska Peninsula	0	0	0	0	0	0	0	0	0	0	0	0
Kvichak River drainage	0	0	0	0	0	0	0	0	0	0	0	0
Nushagak, Wood River, and Togiak	0	0	0	0	0	0	0	0	0	0	0	0
Total	465	241	1,062	267	567	211	276	289	632	566	687	4,228
Arctic-Yukon-Kuskokwim												
Upper Copper River drainage ^b	0	0	0	0	0	0	0	0	0	0	0	0
Tanana River drainage	0	0	0	0	0	0	0	0	0	0	0	0
Kuskokwim River and Bay drainages	0	0	0	0	0	0	0	0	0	0	0	0
Seward Peninsula-Norton Sound	0	0	0	0	0	0	0	0	0	0	0	0
Northwest Alaska	0	0	0	0	0	0	0	0	0	0	0	0
Yukon River drainage	0	0	0	0	0	0	0	0	0	0	0	0
North Slope/Brooks Range	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0
Alaska Total	6,856	4,092	5,132	4,975	3,634	3,405	1,903	2,909	3,644	2,708	2,690	23,052

^a In 2001 the Prince William Sound/North Gulf Coast (Area J) was expanded to include North Gulf Coast waters to Gore Point, formerly reported to Kenai Peninsula (Area P).

^b In 2004, the Susitna River drainage (Area M) was expanded to include all drainages of the Susitna River including the upper, east and west Susitna River drainages.

^c Starting in 2006, Cook Inlet salt waters were reported to Kenai Peninsula/Cook Inlet (Area P). West Cook Inlet drainages (Area N) only include freshwater lakes and streams.

Table 2.25.—Alaska sport lake trout harvest estimates, 2001–2011, and catch estimates, 2011, by region and area.

Area fished	Harvest											Catch 2011
	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	
Southeast												
Ketchikan	0	0	0	0	0	0	0	0	0	0	0	0
Prince of Wales	0	0	0	0	0	0	0	0	0	0	0	0
Kake, Petersburg, Wrangell, Stikine	0	0	0	0	0	0	0	0	0	0	0	0
Sitka	0	0	0	0	0	0	0	0	0	0	0	0
Juneau	0	0	0	0	0	0	0	0	0	0	0	0
Haines-Skagway	0	0	0	0	0	0	0	0	0	0	0	0
Glacier Bay	0	0	0	0	0	0	0	0	0	0	0	0
Yakutat	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0
Southcentral												
Prince William Sound/North Gulf Coast ^a	0	33	0	187	0	0	0	0	52	0	0	0
Knik Arm	162	533	339	0	220	40	127	300	71	100	0	199
Anchorage	173	199	779	0	64	39	0	246	36	364	17	54
Susitna River drainage ^b	226	403	339	1,850	1,750	582	753	1,033	1,135	879	970	3,836
West Cook Inlet drainages ^{b,c}	51	7	180	31	0	6	164	0	0	0	17	412
Kenai Peninsula-Cook Inlet ^{a,c}	1,763	1,899	1,097	1,799	1,229	862	669	590	915	821	416	1,866
Kodiak	0	0	0	0	0	0	0	0	0	0	0	0
Naknek River/Alaska Peninsula	58	160	383	775	96	166	263	201	95	137	452	2,338
Kvichak River drainage	369	340	533	789	430	116	189	626	411	596	856	4,807
Nushagak, Wood River, and Togiak	290	173	333	259	783	21	286	93	177	66	62	2,269
Total	3,092	3,747	3,983	5,690	4,572	1,832	2,451	3,089	2,892	2,963	2,790	15,781
Arctic-Yukon-Kuskokwim												
Upper Copper River drainage ^b	1,185	2,067	1,831	791	1,077	347	523	495	937	651	303	1,479
Tanana River drainage	445	709	860	646	1,082	791	648	506	1,193	1,086	443	2,296
Kuskokwim River and Bay drainages	63	134	244	497	233	83	42	22	29	111	24	485
Seward Peninsula-Norton Sound	0	0	0	0	0	0	0	0	0	0	0	0
Northwest Alaska	117	88	11	137	81	34	7	0	63	12	0	0
Yukon River drainage	56	147	57	98	171	6	40	33	76	23	124	201
North Slope/Brooks Range	37	217	98	75	96	10	0	0	0	117	0	0
Total	1,903	3,362	3,101	2,244	2,740	1,271	1,260	1,056	2,298	2,000	894	4,461
Alaska Total	4,995	7,109	7,084	7,934	7,312	3,103	3,711	4,145	5,190	4,963	3,684	20,242

^a In 2001 the Prince William Sound/North Gulf Coast (Area J) was expanded to include North Gulf Coast waters to Gore Point, formerly reported to Kenai Peninsula (Area P).

^b In 2004, the Susitna River drainage (Area M) was expanded to include all drainages of the Susitna River including the upper, east and west Susitna River drainages.

^c Starting in 2006, Cook Inlet salt waters were reported to Kenai Peninsula/Cook Inlet (Area P). West Cook Inlet drainages (Area N) only include freshwater lakes and streams.

Table 2.26.—Alaska sport Dolly Varden and Arctic char harvest estimates, 2001–2011, and catch estimates, 2011, by region and area.

Area fished	Harvest											Catch 2011
	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	
Southeast												
Ketchikan	487	323	916	1,314	555	233	80	742	1,203	931	62	1,521
Prince of Wales	2,178	3,660	5,461	1,884	658	1,495	615	1,985	1,069	656	1,283	6,883
Kake, Petersburg, Wrangell, Stikine	1,867	1,027	1,397	1,358	715	788	410	1,273	1,715	1,422	946	4,457
Sitka	1,183	1,235	1,625	1,204	1,408	1,560	993	1,726	670	543	291	3,457
Juneau	4,703	3,291	4,610	3,833	2,625	2,709	2,771	3,228	3,644	2,174	1,398	13,310
Haines-Skagway	3,228	4,357	4,635	4,710	3,552	4,600	1,842	3,549	2,019	2,254	1,687	6,004
Glacier Bay	1,817	1,541	659	1,607	1,103	1,006	1,663	1,748	777	262	569	4,272
Yakutat	795	286	1,404	871	986	365	248	495	342	345	453	3,857
Total	16,258	15,720	20,707	16,781	11,602	12,756	8,622	14,746	11,439	8,587	6,689	43,761
Southcentral												
Prince William Sound/North Gulf Coast ^a	1,630	2,676	2,085	1,558	1,397	1,242	1,602	1,716	1,898	2,313	1,466	6,557
Knik Arm	2,662	1,822	2,247	2,380	2,040	1,525	4,063	1,935	1,853	1,612	1,593	5,868
Anchorage	901	1,402	2,085	4,252	1,358	1,761	1,267	821	1,127	431	772	5,279
Susitna River drainage ^b	1,172	1,512	1,694	1,230	657	864	332	498	542	632	312	9,423
West Cook Inlet drainages ^{b,c}	879	825	434	368	326	133	532	645	153	326	105	2,646
Kenai Peninsula-Cook Inlet ^{a,c}	13,233	10,879	12,199	12,589	8,181	7,013	8,434	8,610	7,749	6,203	3,960	137,957
Kodiak	8,725	6,495	5,424	6,479	3,841	7,222	8,841	8,116	3,246	5,157	3,534	37,219
Naknek River/Alaska Peninsula	2,939	1,914	1,654	2,947	1,907	1,682	2,294	2,052	3,354	2,055	2,679	36,816
Kvichak River drainage	765	195	270	358	262	199	359	331	108	212	605	8,943
Nushagak, Wood River, and Togiak	2,437	2,035	2,774	4,898	1,678	1,461	1,619	1,300	2,051	1,671	1,117	30,554
Total	35,343	29,755	30,866	37,059	21,647	23,102	29,343	26,024	22,081	20,612	16,143	281,262
Arctic-Yukon-Kuskokwim												
Upper Copper River drainage ^b	1,612	1,388	1,578	2,153	730	766	701	397	943	682	231	1,010
Tanana River drainage	3,368	6,645	4,854	4,111	2,752	1,818	2,038	2,990	2,733	1,965	1,189	4,806
Kuskokwim River and Bay drainages	1,698	2,026	2,710	2,539	2,135	1,937	1,492	2,038	2,176	1,565	1,231	64,818
Seward Peninsula-Norton Sound	3,174	2,252	5,531	4,318	3,063	3,180	2,808	3,319	3,456	1,835	4,041	7,328
Northwest Alaska	1,693	1,884	533	1,285	239	2,314	2,924	852	1,372	493	865	3,266
Yukon River drainage	368	551	358	167	130	174	181	36	381	346	11	272
North Slope/Brooks Range	1,589	773	193	180	493	273	151	352	919	223	339	6,689
Total	13,502	15,519	15,757	14,753	9,542	10,462	10,295	9,984	11,980	7,109	7,907	88,189
Alaska Total	65,103	60,994	67,330	68,593	42,791	46,320	48,260	50,754	45,500	36,308	30,739	413,212

^a In 2001 the Prince William Sound/North Gulf Coast (Area J) was expanded to include North Gulf Coast waters to Gore Point, formerly reported to Kenai Peninsula (Area P).

^b In 2004, the Susitna River drainage (Area M) was expanded to include all drainages of the Susitna River including the upper, east and west Susitna River drainages.

^c Starting in 2006, Cook Inlet salt waters were reported to Kenai Peninsula/Cook Inlet (Area P). West Cook Inlet drainages (Area N) only include freshwater lakes and streams.

Table 2.27.—Alaska sport Arctic grayling harvest estimates, 2001–2011, and catch estimates, 2011, by region and area.

Area fished	Harvest											Catch 2011
	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	
Southeast												
Ketchikan	26	0	0	0	0	0	0	0	0	0	0	0
Prince of Wales	0	0	0	0	0	0	0	0	0	0	0	0
Take, Petersburg, Wrangell, Stikine	0	0	0	0	0	0	0	0	0	0	0	0
Sitka	0	14	0	0	193	0	13	0	18	0	0	0
Juneau	0	0	0	0	0	0	0	0	0	0	0	0
Haines-Skagway	0	0	0	0	0	0	0	0	0	0	0	0
Glacier Bay	0	0	0	0	0	0	0	0	0	0	0	0
Yakutat	0	0	0	0	0	0	0	0	0	0	0	0
Total	26	14	0	0	193	0	13	0	18	0	0	0
Southcentral												
Prince William Sound/North Gulf Coast ^a	90	116	646	73	177	35	0	28	0	26	466	1,070
Knik Arm	1,215	881	1,222	703	507	972	605	744	1,455	687	439	2,888
Anchorage	62	747	221	90	166	55	386	444	194	123	0	367
Susitna River drainage ^b	1,036	1,165	393	2,085	1,207	2,293	1,533	2,339	1,989	3,121	1,599	26,043
West Cook Inlet drainages ^{b,c}	613	486	327	179	0	19	42	56	0	0	0	147
Kenai Peninsula-Cook Inlet ^{a,c}	1,056	1,128	1,195	1,151	801	397	582	804	896	372	732	4,726
Kodiak	0	0	0	0	0	0	0	0	0	0	0	0
Naknek River/Alaska Peninsula	42	113	139	92	76	97	541	73	35	14	0	4,654
Kvichak River drainage	1,509	451	849	764	341	400	452	818	462	749	341	14,227
Nushagak, Wood River, and Togiak	1,399	1,842	995	2,154	422	462	870	945	632	648	658	17,052
Total	7,022	6,929	5,987	7,291	3,697	4,730	5,011	6,251	5,663	5,740	4,235	71,174
Arctic-Yukon-Kuskokwim												
Upper Copper River drainage ^b	4,450	7,910	5,908	3,296	3,336	2,389	2,379	2,788	3,264	2,992	654	15,945
Tanana River drainage	7,074	12,987	10,084	6,773	10,061	5,982	6,739	8,122	8,134	8,298	5,179	87,411
Kuskokwim River and Bay drainages	807	1,464	1,259	1,953	1,287	637	827	713	1,307	530	713	29,418
Seward Peninsula-Norton Sound	994	1,565	1,778	824	595	419	314	965	1,169	232	1,398	5,214
Northwest Alaska	1,244	1,994	1,473	1,983	269	760	849	293	439	366	486	2,385
Yukon River drainage	3,193	2,832	3,131	3,271	2,883	2,041	2,824	2,531	2,773	1,778	907	12,842
North Slope/Brooks Range	846	2,215	1,122	868	1,313	594	572	923	2,996	608	320	5,076
Total	18,608	30,967	24,755	18,968	19,744	12,822	14,504	16,335	20,082	14,804	9,657	158,291
Alaska Total	25,656	37,910	30,742	26,259	23,634	17,552	19,528	22,586	25,763	20,544	13,892	229,465

^a In 2001 the Prince William Sound/North Gulf Coast (Area J) was expanded to include North Gulf Coast waters to Gore Point, formerly reported to Kenai Peninsula (Area P).

^b In 2004, the Susitna River drainage (Area M) was expanded to include all drainages of the Susitna River including the upper, east and west Susitna River drainages.

^c Starting in 2006, Cook Inlet salt waters were reported to Kenai Peninsula/Cook Inlet (Area P). West Cook Inlet drainages (Area N) only include freshwater lakes and streams.

Table 2.28.—Alaska sport northern pike harvest estimates, 2001–2011, and catch estimates, 2011, by region and area.

Area fished	Harvest											Catch 2011
	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	
Southeast												
Ketchikan	0	0	0	0	0	0	0	0	0	0	0	0
Prince of Wales	0	0	0	0	0	0	0	0	0	0	0	0
Kake, Petersburg, Wrangell, Stikine	0	0	0	0	0	0	0	0	0	0	0	0
Sitka	0	0	0	0	0	0	0	0	0	0	0	0
Juneau	0	0	0	0	0	0	0	0	0	0	0	0
Haines-Skagway	0	0	0	0	0	0	0	0	0	0	0	0
Glacier Bay	0	0	0	0	0	0	0	0	0	0	0	0
Yakutat	26	0	0	0	181	0	0	0	0	0	0	48
Total	26	0	0	0	181	0	0	0	0	0	0	48
Southcentral												
Prince William Sound/North Gulf Coast ^a	0	0	25	0	0	0	0	0	0	0	0	0
Knik Arm	6,544	5,716	4,026	4,961	4,317	4,839	3,050	1,752	4,647	3,372	5,963	7,930
Anchorage	1,166	1,190	1,078	663	611	364	1,285	205	2,040	507	616	645
Susitna River drainage ^b	55	618	0	6,933	6,871	6,425	4,893	6,151	4,599	6,316	9,565	15,611
West Cook Inlet drainages ^{b,c}	6,140	5,984	3,998	493	153	285	225	96	88	225	19	37
Kenai Peninsula-Cook Inlet ^{a,c}	1,302	380	699	2,321	224	55	558	254	0	59	0	0
Kodiak	0	0	0	0	0	0	0	0	0	0	0	0
Naknek River/Alaska Peninsula	161	33	24	43	200	296	25	91	368	171	60	179
Kvichak River drainage	479	64	575	564	357	216	31	460	113	148	272	1,217
Nushagak, Wood River, and Togiak	826	877	857	1,144	1,069	781	995	261	1,064	295	448	2,461
Total	16,673	14,862	11,282	17,122	13,802	13,261	11,062	9,270	12,919	11,093	16,943	28,080
Arctic-Yukon-Kuskokwim												
Upper Copper River drainage ^b	0	0	0	0	0	0	0	0	0	0	0	0
Tanana River drainage	4,207	3,436	2,947	4,895	4,624	3,276	3,900	1,381	3,016	2,652	1,209	13,672
Kuskokwim River and Bay drainages	474	443	783	1,543	3,749	406	346	165	981	909	247	4,129
Seward Peninsula-Norton Sound	349	326	424	840	514	0	210	513	539	464	0	100
Northwest Alaska	122	158	423	729	18	107	375	53	43	131	134	562
Yukon River drainage	1,772	3,291	1,507	3,656	1,899	1,134	1,281	1,577	1,265	1,104	430	5,300
North Slope/Brooks Range	0	51	22	14	32	0	0	0	0	0	14	29
Total	6,924	7,705	6,106	11,677	10,836	4,923	6,112	3,689	5,844	5,260	2,034	23,792
Alaska Total	23,623	22,567	17,388	28,799	24,819	18,184	17,174	12,959	18,763	16,353	18,977	51,920

^a In 2001 the Prince William Sound/North Gulf Coast (Area J) was expanded to include North Gulf Coast waters to Gore Point, formerly reported to Kenai Peninsula (Area P).

^b In 2004, the Susitna River drainage (Area M) was expanded to include all drainages of the Susitna River including the upper, east and west Susitna River drainages.

^c Starting in 2006, Cook Inlet salt waters were reported to Kenai Peninsula/Cook Inlet (Area P). West Cook Inlet drainages (Area N) only include freshwater lakes and streams.

Table 2.29.—Alaska sport whitefish harvest estimates, 2001–2011, and catch estimates, 2011, by region and area.

Area fished	Harvest											Catch 2011
	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	
Southeast												
Ketchikan	0	0	0	0	0	0	0	0	0	0	0	0
Prince of Wales	0	0	0	0	0	0	0	0	0	0	0	0
Kake, Petersburg, Wrangell, Stikine	0	0	0	0	0	0	0	0	0	0	0	0
Sitka	0	0	0	0	0	0	0	0	0	0	0	0
Juneau	0	0	0	0	0	0	0	0	0	0	0	0
Haines-Skagway	0	15	0	0	48	0	0	0	0	0	0	0
Glacier Bay	0	0	0	0	0	0	0	0	0	0	0	0
Yakutat	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	15	0	0	48	0	0	0	0	0	0	0
Southcentral												
Prince William Sound/North Gulf Coast ^a	0	0	0	0	0	0	0	0	0	0	0	0
Knik Arm	551	190	108	15	710	162	43	31	16	17	112	112
Anchorage	0	0	30	0	0	234	0	0	0	0	0	0
Susitna River drainage ^b	135	67	82	635	129	168	415	623	548	564	45	397
West Cook Inlet drainages ^{b,c}	111	74	93	0	26	0	0	0	0	0	0	0
Kenai Peninsula-Cook Inlet ^{a,c}	207	609	60	149	265	152	125	299	99	112	70	327
Kodiak	0	0	0	0	0	0	0	0	0	0	0	0
Naknek River/Alaska Peninsula	0	0	0	20	0	30	0	159	0	0	0	109
Kvichak River drainage	827	8	121	135	26	0	0	64	6	81	449	699
Nushagak, Wood River, and Togiak	157	105	167	77	402	0	437	0	514	220	32	227
Total	1,988	1,053	661	1,031	1,558	746	1,020	1,176	1,183	994	708	1,871
Arctic-Yukon-Kuskokwim												
Upper Copper River drainage ^b	1,135	2,288	422	562	1,031	462	115	367	71	319	253	343
Tanana River drainage	785	1,086	167	1,485	114	252	656	227	96	1,300	641	1,023
Kuskokwim River and Bay drainages	20	54	89	975	209	58	342	96	664	54	70	555
Seward Peninsula-Norton Sound	814	206	471	623	498	64	1,004	139	143	0	0	45
Northwest Alaska	1,572	270	220	408	16	566	143	168	247	398	8	510
Yukon River drainage	928	497	0	284	79	631	74	230	499	290	112	143
North Slope/Brooks Range	26	19	304	1,509	0	258	0	0	28	0	0	0
Total	5,280	4,420	1,673	5,846	1,947	2,291	2,334	1,227	1,748	2,361	1,084	2,619
Alaska Total	7,268	5,488	2,334	6,877	3,553	3,037	3,354	2,403	2,931	3,355	1,792	4,490

^a In 2001 the Prince William Sound/North Gulf Coast (Area J) was expanded to include North Gulf Coast waters to Gore Point, formerly reported to Kenai Peninsula (Area P).

^b In 2004, the Susitna River drainage (Area M) was expanded to include all drainages of the Susitna River including the upper, east and west Susitna River drainages.

^c Starting in 2006, Cook Inlet salt waters were reported to Kenai Peninsula/Cook Inlet (Area P). West Cook Inlet drainages (Area N) only include freshwater lakes and streams.

Table 2.30.—Alaska sport burbot harvest estimates, 2001–2011, and catch estimates, 2011, by region and area.

Area fished	Harvest											Catch 2011
	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	
Southeast												
Ketchikan	0	0	0	0	0	0	0	0	0	0	0	0
Prince of Wales	0	0	0	0	0	0	0	0	0	0	0	0
Kake, Petersburg, Wrangell, Stikine	0	0	0	0	0	0	0	0	0	0	0	0
Sitka	0	0	0	0	0	0	0	0	0	0	0	0
Juneau	0	0	0	0	0	0	0	0	0	0	0	0
Haines-Skagway	0	0	0	0	0	0	0	0	0	0	0	0
Glacier Bay	0	0	0	0	0	0	0	0	0	0	0	0
Yakutat	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0
Southcentral												
Prince William Sound/North Gulf Coast ^a	0	0	0	0	0	0	0	0	0	0	0	0
Knik Arm	230	1,069	438	171	805	550	240	926	17	163	132	157
Anchorage	0	0	0	0	0	0	0	0	0	0	0	0
Susitna River drainage ^b	214	211	511	976	661	801	1,050	1,532	1,012	1,873	428	1,163
West Cook Inlet drainages ^{b,c}	245	91	397	0	0	0	0	0	0	0	0	0
Kenai Peninsula-Cook Inlet ^{a,c}	22	92	0	0	0	0	0	0	0	202	122	134
Kodiak	0	0	0	0	0	0	0	0	0	0	0	0
Naknek River/Alaska Peninsula	0	0	0	0	74	0	0	0	0	0	0	0
Kvichak River drainage	29	4	32	101	84	0	0	0	0	133	0	0
Nushagak, Wood River, and Togiak	0	0	0	0	0	0	0	0	26	0	0	0
Total	740	1,467	1,378	1,248	1,624	1,351	1,290	2,458	1,055	2,371	682	1,454
Arctic-Yukon-Kuskokwim												
Upper Copper River drainage ^b	1,506	2,224	1,457	709	1,265	319	362	524	2,124	1,601	328	509
Tanana River drainage	1,297	4,009	2,561	3,446	2,487	1,903	3,623	1,227	1,879	2,010	1,024	1,224
Kuskokwim River and Bay drainages	50	15	87	111	75	0	0	0	0	92	0	6
Seward Peninsula-Norton Sound	50	0	0	0	50	0	75	63	0	0	122	122
Northwest Alaska	33	244	0	9	0	63	0	67	0	0	0	8
Yukon River drainage	50	1,160	594	111	534	741	60	279	789	173	168	245
North Slope/Brooks Range	18	0	22	70	0	0	0	0	6	18	12	12
Total	3,004	7,652	4,721	4,456	4,411	3,026	4,120	2,160	4,798	3,894	1,654	2,126
Alaska Total	3,744	9,119	6,099	5,704	6,035	4,377	5,410	4,618	5,853	6,265	2,336	3,580

^a In 2001 the Prince William Sound/North Gulf Coast (Area J) was expanded to include North Gulf Coast waters to Gore Point, formerly reported to Kenai Peninsula (Area P).

^b In 2004, the Susitna River drainage (Area M) was expanded to include all drainages of the Susitna River including the upper, east and west Susitna River drainages.

^c Starting in 2006, Cook Inlet salt waters were reported to Kenai Peninsula/Cook Inlet (Area P). West Cook Inlet drainages (Area N) only include freshwater lakes and streams.

Table 2.31.—Alaska sport sheefish harvest estimates, 2001–2011, and catch estimates, 2011, by region and area.

Area fished	Harvest											Catch 2011
	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	
Southeast												
Ketchikan	0	0	0	0	0	0	0	0	0	0	0	0
Prince of Wales	0	0	0	0	0	0	0	0	0	0	0	0
Kake, Petersburg, Wrangell, Stikine	0	0	0	0	0	0	0	0	0	0	0	0
Sitka	0	0	0	0	0	0	0	0	0	0	0	0
Juneau	0	0	0	0	0	0	0	0	0	0	0	0
Haines-Skagway	0	0	0	0	0	0	0	0	0	0	0	0
Glacier Bay	0	0	0	0	0	0	0	0	0	0	0	0
Yakutat	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0
Southcentral												
Prince William Sound/North Gulf Coast ^a	0	0	0	0	0	0	0	0	0	0	0	0
Knik Arm	0	0	0	0	0	0	0	0	0	0	0	0
Anchorage	0	0	0	0	0	0	0	0	0	0	0	0
Susitna River drainage ^b	0	0	0	0	0	0	0	0	0	0	0	0
West Cook Inlet drainages ^{b,c}	0	0	0	0	0	0	0	0	0	0	0	0
Kenai Peninsula-Cook Inlet ^{a,c}	0	0	0	0	0	0	0	0	0	0	0	0
Kodiak	0	0	0	0	0	0	0	0	0	0	0	0
Naknek River/Alaska Peninsula	0	0	0	0	0	0	0	0	0	0	0	0
Kvichak River drainage	0	0	0	0	0	0	0	0	0	0	0	0
Nushagak, Wood River, and Togiak	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0
Arctic-Yukon-Kuskokwim												
Upper Copper River drainage ^b	0	0	0	0	0	0	0	0	0	0	0	0
Tanana River drainage	9	92	59	177	129	53	37	83	23	103	16	158
Kuskokwim River and Bay drainages	124	81	45	182	1,079	173	435	191	161	67	114	1,593
Seward Peninsula-Norton Sound	0	0	0	0	0	0	0	0	0	0	0	0
Northwest Alaska	1,305	500	2,509	1,634	393	810	1,066	61	946	595	385	647
Yukon River drainage	492	538	238	1,352	1,348	540	177	462	210	299	118	378
North Slope/Brooks Range	0	0	0	0	0	0	0	0	0	0	0	0
Total	1,930	1,211	2,851	3,345	2,949	1,576	1,715	797	1,340	1,064	633	2,776
Alaska Total	1,930	1,211	2,851	3,345	2,949	1,576	1,715	797	1,340	1,064	633	2,776

^a In 2001 the Prince William Sound/North Gulf Coast (Area J) was expanded to include North Gulf Coast waters to Gore Point, formerly reported to Kenai Peninsula (Area P).

^b In 2004, the Susitna River drainage (Area M) was expanded to include all drainages of the Susitna River including the upper, east and west Susitna River drainages.

^c Starting in 2006, Cook Inlet salt waters were reported to Kenai Peninsula/Cook Inlet (Area P). West Cook Inlet drainages (Area N) only include freshwater lakes and streams.

Table 2.32.—Alaska sport smelt harvest estimates, 2001–2011, and catch estimates, 2011, by region and area.

Area fished	Harvest											Catch 2011
	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	
Southeast												
Ketchikan	0	0	0	0	0	0	0	0	0	0	0	0
Prince of Wales	0	0	0	0	145	16	141	0	0	771	0	0
Kake, Petersburg, Wrangell, Stikine	2,174	845	2,277	3,388	1,257	750	2,463	1,405	2,075	660	161	966
Sitka	0	17	146	77	0	0	1,671	1,196	0	23	385	385
Juneau	477	0	1,593	19	0	32	807	357	273	0	1,923	1,923
Haines-Skagway	484	516	3,264	0	0	0	0	0	0	0	0	0
Glacier Bay	0	18	0	58	2,008	0	0	323	26	0	805	805
Yakutat	464	0	0	0	0	0	0	98	19	15	811	811
Total	3,599	1,396	7,280	3,542	3,410	798	5,082	3,379	2,393	1,469	4,085	4,890
Southcentral												
Prince William Sound/North Gulf Coast ^a	4,981	10,381	2,744	1,462	156	40	269	2,305	15	39,425	3,347	3,347
Knik Arm	1,574	0	1,578	11	0	71	124	0	0	0	0	0
Anchorage	35,909	57,079	35,841	9,987	8,885	9,927	16,527	20,047	28,953	34,724	34,067	40,492
Susitna River drainage ^b	1,349	0	0	12,562	3,068	0	620	1,832	3,520	4,643	6,763	6,763
West Cook Inlet drainages ^{b,c}	8,707	3,298	5,920	0	0	0	0	0	880	0	0	0
Kenai Peninsula-Cook Inlet ^{a,c}	23,455	20,409	12,581	43,331	10,308	5,197	5,110	2,547	5,932	6,935	8,508	10,522
Kodiak	45	0	0	0	98	0	0	0	0	178	1,214	1,339
Naknek River/Alaska Peninsula	2,940	3,227	8,746	842	2,488	1,653	3,336	4,496	9,254	324	899	899
Kvichak River drainage	0	0	0	0	0	0	0	0	0	0	0	0
Nushagak, Wood River, and Togiak	1,124	40	3,309	135	2,178	175	434	859	10,038	8,078	635	635
Total	80,084	94,434	70,719	68,330	27,181	17,063	26,420	32,086	58,592	94,307	55,433	63,997
Arctic-Yukon-Kuskokwim												
Upper Copper River drainage ^b	0	0	0	0	0	0	0	0	0	0	0	0
Tanana River drainage	0	0	0	0	0	0	0	0	0	0	0	0
Kuskokwim River and Bay drainages	0	0	0	281	0	291	1,860	304	366	0	0	0
Seward Peninsula-Norton Sound	1,124	474	0	2,139	0	52	1,285	0	0	0	0	0
Northwest Alaska	0	0	0	0	0	7	0	0	81	0	0	0
Yukon River drainage	0	0	0	0	0	0	0	0	0	0	0	0
North Slope/Brooks Range	0	0	0	0	0	0	0	0	0	0	0	0
Total	1,124	474	0	2,420	0	350	3,145	304	447	0	0	0
Alaska Total	84,807	96,304	77,999	74,292	30,591	18,211	34,647	35,769	61,432	95,776	59,518	68,887

^a In 2001 the Prince William Sound/North Gulf Coast (Area J) was expanded to include North Gulf Coast waters to Gore Point, formerly reported to Kenai Peninsula (Area P).

^b In 2004, the Susitna River drainage (Area M) was expanded to include all drainages of the Susitna River including the upper, east and west Susitna River drainages.

^c Starting in 2006, Cook Inlet salt waters were reported to Kenai Peninsula/Cook Inlet (Area P). West Cook Inlet drainages (Area N) only include freshwater lakes and streams.

Table 2.33.—Alaska sport Pacific halibut harvest estimates, 2001–2011, and catch estimates, 2011, by region and area.

Area fished	Harvest											Catch 2011
	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	
Southeast												
Ketchikan	10,106	10,766	8,810	19,938	15,751	14,538	20,920	19,560	19,942	10,428	6,751	9,208
Prince of Wales	28,210	30,960	29,307	31,081	38,944	36,267	43,630	40,932	22,630	21,413	16,876	25,634
Kake, Petersburg, Wrangell, Stikine	8,345	6,742	7,569	12,149	11,876	15,801	16,923	19,279	13,058	11,651	8,539	15,317
Sitka	33,104	25,156	32,362	39,505	42,185	39,408	40,840	37,759	19,178	18,924	18,429	32,464
Juneau	14,213	15,647	20,530	19,544	25,662	14,643	22,329	20,665	20,275	15,295	14,295	20,705
Haines-Skagway	864	1,220	1,136	863	763	905	986	451	468	755	706	1,306
Glacier Bay	15,112	14,322	19,767	24,236	27,389	19,429	32,705	30,615	23,600	15,632	13,752	29,901
Yakutat	3,738	2,372	5,376	4,597	5,236	4,227	5,270	4,966	5,075	6,480	4,586	6,354
Total	113,692	107,185	124,857	151,913	167,806	145,218	183,603	174,227	124,226	100,578	83,934	140,889
Southcentral												
Prince William Sound/North Gulf Coast ^a	51,267	56,458	67,683	92,984	85,935	80,114	108,599	95,347	85,845	79,302	82,886	134,827
Knik Arm	0	0	0	0	0	0	0	0	0	0	0	0
Anchorage	0	0	0	0	0	0	0	0	0	0	0	0
Susitna River drainage ^b	0	0	0	0	0	0	0	0	0	0	0	0
West Cook Inlet drainages ^{b,c}	1,919	1,618	1,032	1,916	2,339	0	0	0	0	0	0	0
Kenai Peninsula-Cook Inlet ^{a,c}	180,563	165,405	189,062	209,786	216,356	209,442	253,265	209,082	195,294	192,703	203,528	384,561
Kodiak	16,111	16,995	18,480	22,885	24,122	25,219	35,337	33,999	31,590	23,063	21,156	39,856
Naknek River/Alaska Peninsula	1,987	3,109	1,631	2,927	3,329	2,862	3,960	3,719	3,300	2,352	2,034	4,564
Kvichak River drainage	0	19	24	64	33	0	0	106	0	0	33	33
Nushagak, Wood River, and Togiak	0	20	12	47	0	0	0	0	0	0	0	0
Total	251,847	243,624	277,924	330,609	332,114	317,637	401,161	342,253	316,029	297,420	309,637	563,841
Arctic-Yukon-Kuskokwim												
Upper Copper River drainage ^b	0	0	0	0	0	0	0	0	0	0	0	0
Tanana River drainage	0	0	0	0	0	0	0	0	0	0	0	0
Kuskokwim River and Bay drainages	0	0	0	0	32	0	0	0	0	0	0	0
Seward Peninsula-Norton Sound	0	0	81	0	96	0	0	0	0	0	0	0
Northwest Alaska	0	0	0	0	0	0	0	0	0	0	0	0
Yukon River drainage	0	0	0	28	0	0	0	0	0	0	0	0
North Slope/Brooks Range	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	81	28	128	0	0	0	0	0	0	0
Alaska Total	365,539	350,809	402,862	482,550	500,048	462,855	584,764	516,480	440,255	397,998	393,571	704,730

^a In 2001 the Prince William Sound/North Gulf Coast (Area J) was expanded to include North Gulf Coast waters to Gore Point, formerly reported to Kenai Peninsula (Area P).

^b In 2004, the Susitna River drainage (Area M) was expanded to include all drainages of the Susitna River including the upper, east and west Susitna River drainages.

^c Starting in 2006, Cook Inlet salt waters were reported to Kenai Peninsula/Cook Inlet (Area P). West Cook Inlet drainages (Area N) only include freshwater lakes and streams.

Table 2.34.—Alaska sport rockfish harvest estimates, 2001–2011, and catch estimates, 2011, by region and area.

Area fished	Harvest											Catch 2011
	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	
Southeast												
Ketchikan	8,540	7,077	7,321	13,805	13,136	13,473	15,522	14,763	16,742	12,552	9,233	16,902
Prince of Wales	17,161	15,189	15,518	27,027	23,617	23,425	25,371	30,891	23,767	25,254	28,637	46,450
Kake, Petersburg, Wrangell, Stikine	2,461	2,531	1,940	3,712	3,598	2,437	4,190	5,329	4,623	3,111	3,786	8,269
Sitka	16,444	15,856	16,212	30,239	31,984	34,160	38,264	53,414	30,601	44,381	51,514	68,330
Juneau	8,857	5,768	8,649	6,753	8,412	3,913	5,323	6,344	9,683	10,005	5,309	8,833
Haines-Skagway	138	19	44	566	277	291	90	28	140	14	29	289
Glacier Bay	3,309	2,572	4,095	4,148	6,595	4,986	3,765	5,592	5,823	6,525	7,939	13,767
Yakutat	668	737	1,615	1,413	2,371	2,800	2,013	2,636	2,372	3,723	2,710	3,491
Total	57,578	49,749	55,394	87,663	89,990	85,485	94,538	118,997	93,751	105,565	109,157	166,331
Southcentral												
Prince William Sound/North Gulf Coast ^a	48,364	56,240	48,503	73,947	63,985	65,412	76,168	79,246	82,461	79,372	69,525	102,459
Knik Arm	0	0	0	0	0	0	0	0	0	0	0	0
Anchorage	0	0	0	0	0	0	0	0	0	0	0	0
Susitna River drainage ^b	0	0	0	0	0	0	0	0	0	0	0	0
West Cook Inlet drainages ^{b,c}	0	0	0	0	0	0	0	0	0	0	0	0
Kenai Peninsula-Cook Inlet ^{a,c}	4,626	5,835	7,515	9,756	11,607	9,431	12,789	11,258	16,296	18,444	16,847	31,402
Kodiak	5,505	7,556	6,166	7,844	15,392	11,688	12,551	15,596	15,937	19,897	15,539	32,262
Naknek River/Alaska Peninsula	745	1,018	678	933	2,759	1,143	1,499	1,288	649	763	368	954
Kvichak River drainage	0	0	60	0	0	0	0	0	0	0	0	0
Nushagak, Wood River, and Togiak	0	0	0	0	0	0	0	0	0	0	0	0
Total	59,240	70,649	62,922	92,480	93,743	87,674	103,007	107,388	115,343	118,476	102,279	167,077
Arctic-Yukon-Kuskokwim												
Upper Copper River drainage ^b	0	0	0	0	0	0	0	0	0	0	0	0
Tanana River drainage	0	0	0	0	0	0	0	0	0	0	0	0
Kuskokwim River and Bay drainages	0	0	0	0	0	0	0	0	0	0	0	0
Seward Peninsula-Norton Sound	0	0	0	0	0	0	0	0	0	0	0	0
Northwest Alaska	0	0	0	0	0	0	0	0	0	0	0	0
Yukon River drainage	0	0	0	0	0	0	0	0	0	0	0	0
North Slope/Brooks Range	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0
	116,81											
Alaska Total	8	120,398	118,316	180,143	183,733	173,159	197,545	226,385	209,094	224,041	211,436	333,408

^a In 2001 the Prince William Sound/North Gulf Coast (Area J) was expanded to include North Gulf Coast waters to Gore Point, formerly reported to Kenai Peninsula (Area P).

^b In 2004, the Susitna River drainage (Area M) was expanded to include all drainages of the Susitna River including the upper, east and west Susitna River drainages.

^c Starting in 2006, Cook Inlet salt waters were reported to Kenai Peninsula/Cook Inlet (Area P). West Cook Inlet drainages (Area N) only include freshwater lakes and streams.

Table 2.35.—Alaska sport lingcod harvest estimates, 2001–2011, and catch estimates, 2011, by region and area.

Area fished	Harvest											Catch 2011
	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	
Southeast												
Ketchikan	2,297	1,483	1,043	2,518	1,973	1,476	1,324	1,146	1,439	1,132	730	1,464
Prince of Wales	5,878	3,173	2,516	6,392	9,419	7,123	5,168	4,535	3,480	3,347	3,482	6,222
Kake, Petersburg, Wrangell, Stikine	431	134	342	405	845	427	294	182	401	139	270	744
Sitka	5,298	2,832	3,728	4,604	6,477	6,574	4,526	3,452	2,137	2,182	2,657	9,209
Juneau	521	553	529	372	588	281	261	125	368	246	285	1,131
Haines-Skagway	24	12	0	10	0	0	0	0	19	0	0	0
Glacier Bay	1,188	727	977	589	1,200	1,043	775	655	655	488	941	2,671
Yakutat	787	683	1,521	1,174	1,585	1,573	1,737	1,804	800	1,433	955	2,030
Total	16,424	9,597	10,656	16,064	22,087	18,497	14,085	11,899	9,299	8,967	9,320	23,471
Southcentral												
Prince William Sound/North Gulf Coast ^a	6,805	7,586	7,178	8,944	9,707	10,838	16,364	14,910	13,049	14,013	11,897	22,216
Knik Arm	0	0	0	0	0	0	0	0	0	0	0	0
Anchorage	0	0	0	0	0	0	0	0	0	0	0	0
Susitna River drainage ^b	0	0	0	0	0	0	0	0	0	0	0	0
West Cook Inlet drainages ^{b,c}	11	0	25	42	18	0	0	0	0	0	0	0
Kenai Peninsula-Cook Inlet ^{a,c}	1,976	1,600	2,094	3,269	3,018	3,307	7,012	6,133	5,794	5,225	7,477	15,663
Kodiak	1,530	1,099	1,446	2,507	2,604	2,447	3,203	3,518	3,736	3,966	4,233	7,087
Naknek River/Alaska Peninsula	11	373	122	94	87	35	857	147	298	47	15	167
Kvichak River drainage	0	0	0	0	0	0	0	0	0	0	0	0
Nushagak, Wood River, and Togiak	0	0	0	0	0	0	0	0	0	0	0	0
Total	10,333	10,658	10,865	14,856	15,434	16,627	27,436	24,708	22,877	23,251	23,622	45,133
Arctic-Yukon-Kuskokwim												
Upper Copper River drainage ^b	0	0	0	0	0	0	0	0	0	0	0	0
Tanana River drainage	0	0	0	0	0	0	0	0	0	0	0	0
Kuskokwim River and Bay drainages	0	0	0	0	0	0	0	0	0	0	0	0
Seward Peninsula-Norton Sound	0	0	0	0	0	0	0	0	0	0	0	0
Northwest Alaska	0	0	0	0	0	0	0	0	0	0	0	0
Yukon River drainage	0	0	0	0	0	0	0	0	0	0	0	0
North Slope/Brooks Range	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0
Alaska Total	26,757	20,255	21,521	30,920	37,521	35,124	41,521	36,607	32,176	32,218	32,942	68,604

^a In 2001 the Prince William Sound/North Gulf Coast (Area J) was expanded to include North Gulf Coast waters to Gore Point, formerly reported to Kenai Peninsula (Area P).

^b In 2004, the Susitna River drainage (Area M) was expanded to include all drainages of the Susitna River including the upper, east and west Susitna River drainages.

^c Starting in 2006, Cook Inlet salt waters were reported to Kenai Peninsula/Cook Inlet (Area P). West Cook Inlet drainages (Area N) only include freshwater lakes and streams.

Table 2.36.—Alaska sport Pacific cod harvest estimates, 2001–2011, and catch estimates, 2011, by region and area.

Area fished	Harvest											Catch 2011
	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	
Southeast												
Ketchikan	–	–	–	–	3,198	1,281	1,624	1,144	2,962	1,159	1,518	1,767
Prince of Wales	–	–	–	–	3,231	3,964	4,061	3,640	2,195	2,400	5,841	6,547
Kake, Petersburg, Wrangell, Stikine	–	–	–	–	252	365	1,030	627	1,200	2,217	1,094	2,496
Sitka	–	–	–	–	3,705	1,875	1,016	934	1,461	731	1,197	2,221
Juneau	–	–	–	–	2,100	1,114	1,084	1,838	2,869	1,842	1,823	4,301
Haines-Skagway	–	–	–	–	32	40	128	84	29	75	53	53
Glacier Bay	–	–	–	–	483	446	288	1,052	600	629	782	2,677
Yakutat	–	–	–	–	18	80	36	234	211	239	53	92
Total	–	–	–	–	13,019	9,165	9,267	9,553	11,527	9,292	12,361	20,154
Southcentral												
Prince William Sound/North Gulf Coast ^a	–	–	–	–	4,806	2,744	4,267	5,828	6,845	8,714	11,257	31,251
Knik Arm	0	0	0	0	0	0	0	0	0	0	0	0
Anchorage	0	0	0	0	0	0	0	0	0	0	0	0
Susitna River drainage ^b	0	0	0	0	0	0	0	0	0	0	0	0
West Cook Inlet drainages ^{b,c}	0	0	0	0	180	0	0	0	0	0	0	0
Kenai Peninsula-Cook Inlet ^{a,c}	3,389	2,562	3,821	3,535	4,305	2,198	2,789	3,780	8,269	8,499	12,203	41,720
Kodiak	0	0	0	0	4,438	1,167	3,397	4,036	8,986	9,142	10,991	25,870
Naknek River/Alaska Peninsula	0	0	0	0	1,202	590	514	1,580	663	905	1,071	4,586
Kvichak River drainage	0	0	0	0	0	0	0	0	0	0	0	0
Nushagak, Wood River, and Togiak	0	0	0	0	0	0	0	0	0	0	0	0
Total	3,389	2,562	3,821	3,535	14,931	6,699	10,967	15,224	24,763	27,260	35,522	103,427
Arctic-Yukon-Kuskokwim												
Upper Copper River drainage ^b	0	0	0	0	0	0	0	0	0	0	0	0
Tanana River drainage	0	0	0	0	0	0	0	0	0	0	0	0
Kuskokwim River and Bay drainages	0	0	0	0	0	0	0	0	0	0	0	0
Seward Peninsula-Norton Sound	0	0	0	0	0	0	0	0	0	0	0	0
Northwest Alaska	0	0	0	0	0	0	0	0	0	0	0	0
Yukon River drainage	0	0	0	0	0	0	0	0	0	0	0	0
North Slope/Brooks Range	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0
Alaska Total	3,389	2,562	3,821	3,535	27,950	15,864	20,234	24,777	36,290	36,552	47,883	123,581

Note: “–” Indicates that information was not collected for Pacific cod in this survey year.

^a In 2001 the Prince William Sound/North Gulf Coast (Area J) was expanded to include North Gulf Coast waters to Gore Point, formerly reported to Kenai Peninsula (Area P).

^b In 2004, the Susitna River drainage (Area M) was expanded to include all drainages of the Susitna River including the upper, east and west Susitna River drainages.

^c Starting in 2006, Cook Inlet salt waters were reported to Kenai Peninsula/Cook Inlet (Area P). West Cook Inlet drainages (Area N) only include freshwater lakes and streams.

Table 2.37.—Alaska sport sablefish (black cod) harvest estimates, 2010–2011, and catch estimates, 2011, by region and area.

Area fished	Harvest										Catch 2011	
	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010		2011
Southeast												
Ketchikan										151	68	78
Prince of Wales										1,076	1,171	2,041
Kake, Petersburg, Wrangell, Stikine										121	88	97
Sitka										1,427	2,282	4,269
Juneau										1,448	2,542	2,702
Haines-Skagway										0	0	0
Glacier Bay										442	298	381
Yakutat										128	256	401
Total										4,793	6,705	9,969
Southcentral												
Prince William Sound/North Gulf Coast ^a										2,374	1,916	4,344
Knik Arm										0	0	0
Anchorage										0	0	0
Susitna River drainage ^b										0	0	0
West Cook Inlet drainages ^{b,c}										0	0	0
Kenai Peninsula-Cook Inlet ^{a,c}										670	695	1,871
Kodiak										815	871	1,526
Naknek River/Alaska Peninsula										133	0	0
Kvichak River drainage										0	0	0
Nushagak, Wood River, and Togiak										0	0	0
Total										3,992	3,482	7,741
Arctic-Yukon-Kuskokwim												
Upper Copper River drainage ^b										0	0	0
Tanana River drainage										0	0	0
Kuskokwim River and Bay drainages										0	0	0
Seward Peninsula-Norton Sound										0	0	0
Northwest Alaska										0	0	0
Yukon River drainage										0	0	0
North Slope/Brooks Range										0	0	0
Total										0	0	0
Alaska Total										8,785	10,187	17,710

Note: This species was first included in the Alaska Statewide Harvest Survey in 2010.

^a In 2001 the Prince William Sound/North Gulf Coast (Area J) was expanded to include North Gulf Coast waters to Gore Point, formerly reported to Kenai Peninsula (Area P).

^b In 2004, the Susitna River drainage (Area M) was expanded to include all drainages of the Susitna River including the upper, east and west Susitna River drainages.

^c Starting in 2006, Cook Inlet salt waters were reported to Kenai Peninsula/Cook Inlet (Area P). West Cook Inlet drainages (Area N) only include freshwater lakes and streams.

Table 2.38.—Alaska sport razor clam harvest estimates, 2001–2011, and catch estimates, 2011, by region and area.

Area fished	Harvest											Catch 2011
	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	
Southeast												
Ketchikan	0	0	0	0	93	0	0	1,738	230	0	0	0
Prince of Wales	0	0	0	0	0	2,523	0	0	0	0	0	0
Kake, Petersburg, Wrangell, Stikine	0	0	0	0	108	0	0	0	0	0	0	0
Sitka	65	0	0	0	0	0	0	0	0	0	0	0
Juneau	0	0	0	0	0	0	874	0	0	0	0	0
Haines-Skagway	0	0	0	0	0	0	0	0	0	0	0	0
Glacier Bay	0	0	0	0	0	0	0	0	0	0	0	0
Yakutat	0	0	0	0	0	0	0	0	0	0	0	0
Total	65	0	0	0	201	2,523	874	1,738	230	0	0	0
Southcentral												
Prince William Sound/North Gulf Coast ^a	702	244	0	635	127	733	1,435	4,501	0	0	337	337
Knik Arm	0	0	0	0	0	0	0	0	0	0	0	0
Anchorage	0	0	0	0	0	0	0	0	0	0	0	0
Susitna River drainage ^b	0	0	0	0	0	0	0	0	0	0	0	0
West Cook Inlet drainages ^{b,c}	24,152	12,754	13,915	24,276	19,751	0	0	0	0	0	0	0
Kenai Peninsula-Cook Inlet ^{a,c}	648,466	775,667	575,903	525,629	430,693	478,515	386,636	580,897	553,490	355,314	435,203	435,203
Kodiak	216	0	200	0	189	1,452	219	1,163	179	356	0	0
Naknek River/Alaska Peninsula	0	0	0	0	0	0	0	1,537	2,123	0	0	0
Kvichak River drainage	0	0	0	0	0	0	0	0	0	0	0	0
Nushagak, Wood River, and Togiak	0	0	0	0	0	0	0	0	0	0	315	315
Total	673,536	788,665	590,018	550,540	450,760	480,700	388,290	588,098	555,792	355,670	435,855	435,855
Arctic-Yukon-Kuskokwim												
Upper Copper River drainage ^b	0	0	0	0	0	0	0	0	0	0	0	0
Tanana River drainage	0	0	0	0	0	0	0	0	0	0	0	0
Kuskokwim River and Bay drainages	0	0	0	0	0	0	0	3,074	0	0	0	0
Seward Peninsula-Norton Sound	0	0	0	0	0	0	0	0	0	1,015	0	0
Northwest Alaska	0	0	0	0	0	0	0	0	0	0	0	0
Yukon River drainage	0	0	0	0	0	0	0	0	0	0	0	0
North Slope/Brooks Range	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	3,074	0	1,015	0	0
Alaska Total	673,601	788,665	590,018	550,540	450,961	483,223	389,164	592,910	556,022	356,685	435,855	435,855

^a In 2001 the Prince William Sound/North Gulf Coast (Area J) was expanded to include North Gulf Coast waters to Gore Point, formerly reported to Kenai Peninsula (Area P).

^b In 2004, the Susitna River drainage (Area M) was expanded to include all drainages of the Susitna River including the upper, east and west Susitna River drainages.

^c Starting in 2006, Cook Inlet salt waters were reported to Kenai Peninsula/Cook Inlet (Area P). West Cook Inlet drainages (Area N) only include freshwater lakes and streams.

Table 2.39.—Alaska sport harvests of other fish harvest estimates, 2001–2011, and catch estimates, 2011, by region and area.

Area fished	Harvest											Catch 2011
	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	
Southeast												
Ketchikan	181	208	1,254	1,042	598	394	561	244	339	1,938	158	1,556
Prince of Wales	372	639	208	541	815	361	673	222	464	100	533	4,552
Kake, Petersburg, Wrangell, Stikine	512	239	965	2,475	1,065	1,318	169	46	638	3,414	257	2,378
Sitka	119	636	632	1,806	323	886	643	2,455	889	353	216	903
Juneau	986	203	471	349	729	578	1,603	793	559	989	470	2,279
Haines-Skagway	146	14	420	893	486	143	123	143	18	197	35	415
Glacier Bay	97	276	1,404	708	1,440	10,239	981	219	487	1,013	349	1,090
Yakutat	0	0	74	146	71	58	293	43	37	159	1,083	2,441
Total	2,413	2,215	5,428	7,960	5,527	13,977	5,046	4,165	3,431	8,163	3,101	15,614
Southcentral												
Prince William Sound/North Gulf Coast ^a	14,031	2,620	6,351	4,978	4,452	3,528	2,431	1,007	1,485	1,269	1,789	9,488
Knik Arm	117	26	30	0	373	0	34	0	21	0	36	48
Anchorage	149	217	430	24	345	98	38	475	218	10	359	638
Susitna River drainage ^b	179	31	741	1,653	3,473	2,205	15	158	133	29	182	263
West Cook Inlet drainages ^{b,c}	53	236	0	98	0	10	0	0	0	0	0	0
Kenai Peninsula-Cook Inlet ^{a,c}	6,106	1,968	2,171	2,294	1,752	2,221	2,631	1,479	1,807	3,121	3,176	14,744
Kodiak	2,435	635	425	627	153	239	110	161	461	791	4,066	5,958
Naknek River/Alaska Peninsula	5,282	24	75	1,629	476	17	656	0	475	62	382	4,546
Kvichak River drainage	233	0	0	49	12	0	0	0	0	120	0	34
Nushagak, Wood River, and Togiak	18	198	66	41	480	0	0	0	125	0	0	44
Total	28,603	5,955	10,289	11,393	11,516	8,318	5,915	3,280	4,725	5,402	9,990	35,763
Arctic-Yukon-Kuskokwim												
Upper Copper River drainage ^b	207	54	104	0	16	9	17	0	22	0	12	23
Tanana River drainage	78	251	18	239	168	94	17	0	0	106	24	47
Kuskokwim River and Bay drainages	0	0	189	0	0	51	17	9	7	10	0	32
Seward Peninsula-Norton Sound	3,385	225	46	49	0	9	315	0	0	10	0	0
Northwest Alaska	178	0	15	684	12	60	179	187	66	81	0	0
Yukon River drainage	258	0	9	147	181	27	117	9	65	0	0	13
North Slope/Brooks Range	0	0	0	0	0	0	0	18	0	0	0	0
Total	4,106	530	381	1,119	377	250	662	223	160	207	36	115
Alaska Total	35,122	8,700	16,098	20,472	17,420	22,545	11,623	7,668	8,316	13,772	13,127	51,492

Note: For “other fish”, numbers were reported but species could not be determined, or species were incidental.

^a In 2001 the Prince William Sound/North Gulf Coast (Area J) was expanded to include North Gulf Coast waters to Gore Point, formerly reported to Kenai Peninsula (Area P).

^b In 2004 the Susitna River drainage (Area M) was expanded to include all drainages of the Susitna River including the upper, east and west Susitna River drainages.

^c Starting in 2006 Cook Inlet salt waters were reported to area P (Kenai Peninsula–Cook Inlet area). West Cook Inlet drainages (N) only includes freshwater lakes and streams.

**AREA TABLES: HARVEST ESTIMATES BY SPORT FISH AREA
AND THEIR STANDARD ERRORS**

Table 2.40.—Ketchikan area sport fish harvest and effort estimates by fisheries and species, 2011.

Area Fished	Resp ^a	Anglers ^b	Days Fished	KI ^c	KS ^c	SS	RS	PS	CS	DV	SH	RT	CT	BT	GR	HA	LC	PC	RF	BC	Other ^d
SALTWATER:																					
Boat - Behm Canals, East and West	267	7,330	23,975	0	3,321	15,332	426	5,457	2,736	16	0	0	0	0	0	2,423	181	406	2,673	30	29
Boat - Carroll Inlet	17	748	1,493	0	59	30	34	88	67	0	0	0	0	0	0	17	0	0	90	0	0
Boat - Clarence Strait	82	2,094	5,486	161	1,573	2,983	17	964	367	0	0	0	0	0	0	1,201	226	340	802	29	27
Boat - Clover Pass	24	751	2,294	0	218	2,919	31	464	375	0	0	0	0	0	0	68	0	0	105	0	0
Boat - Duke Island	14	457	1,180	0	85	849	13	168	174	0	0	0	0	0	0	384	59	0	272	0	0
Boat - Herring Cove	61	1,657	3,285	372	1,603	1,414	0	609	89	0	0	0	0	0	0	263	15	66	404	0	15
Boat - Knudsen Cove	21	703	1,291	0	296	1,035	0	630	429	0	0	0	0	0	0	118	0	51	328	0	0
Boat - Mountain Point	169	5,049	7,433	254	1,380	3,397	136	3,517	1,228	0	0	0	0	0	0	783	91	329	1,557	9	58
Boat - Revillagigedo Channel	58	1,735	2,947	0	280	879	53	518	479	0	0	0	0	0	0	485	80	68	856	0	17
Boat - Terminal Harvest Area - Ketchikan	87	2,711	4,354	811	589	1,853	39	1,245	547	0	0	0	0	0	0	371	63	167	1,090	0	0
Boat - Yes Bay	12	372	863	0	78	504	0	204	266	0	0	0	0	0	0	135	0	47	323	0	0
Boat - Other	54	1,512	6,665	68	555	2,593	80	1,029	226	0	0	0	0	0	0	503	15	44	594	0	0
Shoreline	34	848	3,486	196	324	615	13	623	152	0	0	0	0	0	0	0	0	0	139	0	12
SALTWATER TOTAL	900	22,331	64,752	1,862	10,361	34,403	842	15,516	7,135	16	0	0	0	0	0	6,751	730	1,518	9,233	68	158
FRESHWATER:																					
Ward Cove Creek	17	524	1,170	0	0	245	112	12	17	0	0	0	0	0	0	0	0	0	0	0	0
Other streams	28	752	4,022	97	67	96	262	331	0	16	0	0	72	0	0	0	0	0	0	0	0
Lakes	16	389	982	0	0	186	0	0	0	30	0	73	110	0	0	0	0	0	0	0	0
FRESHWATER TOTAL	61	1,517	6,174	97	67	527	374	343	17	46	0	73	182	0	0	0	0	0	0	0	0
GRAND TOTAL	961	23,328	70,926	1,959	10,428	34,930	1,216	15,859	7,152	62	0	73	182	0	0	6,751	730	1,518	9,233	68	158

Note: Ketchikan (Area A): All waters of Alaska, including drainages, from Portland Inlet to, but not including, Ernest Sound; including Duke, Annette, and Gravina islands.

Note: Refer to Table 2.1 for common names and species abbreviations.

^a Number of household responses.

^b Angler totals may not equal the sum of sites due to some anglers fishing at more than one site.

^c KI is Chinook salmon less than 28 inches. KS is Chinook salmon 28 inches and over.

^d Numbers were reported but species could not be determined, or species were incidental.

Table 2.41.—Ketchikan area standard errors of sport fish harvest and effort by fisheries and species, 2011.

Area Fished	Days Fished	KI ^a	KS ^a	SS	RS	PS	CS	DV	SH	RT	CT	BT	GR	HA	LC	PC	RF	BC	Other ^b
SALTWATER:																			
Boat - Behm Canals, East and West	4,484	0	970	2,053	166	693	433	16	0	0	0	0	0	434	69	176	506	17	30
Boat - Carroll Inlet	489	0	37	17	34	48	51	0	0	0	0	0	0	16	0	0	67	0	0
Boat - Clarence Strait	1,342	147	715	828	17	283	125	0	0	0	0	0	0	308	79	172	268	30	19
Boat - Clover Pass	582	0	104	1,010	30	252	197	0	0	0	0	0	0	53	0	0	80	0	0
Boat - Duke Island	441	0	55	364	13	147	141	0	0	0	0	0	0	145	41	0	134	0	0
Boat - Herring Cove	631	151	420	503	0	236	35	0	0	0	0	0	0	110	15	66	163	0	15
Boat - Knudsen Cove	362	0	236	377	0	347	211	0	0	0	0	0	0	80	0	52	222	0	0
Boat - Mountain Point	934	102	391	787	59	737	389	0	0	0	0	0	0	214	42	133	627	10	58
Boat - Revillagigedo Channel	505	0	132	281	54	190	219	0	0	0	0	0	0	123	44	42	238	0	17
Boat - Terminal Harvest Area - Ketchikan	726	439	167	496	31	373	218	0	0	0	0	0	0	132	39	104	507	0	0
Boat - Yes Bay	280	0	44	223	0	103	146	0	0	0	0	0	0	69	0	26	160	0	0
Boat - Other	2,131	44	343	676	49	336	129	0	0	0	0	0	0	171	15	34	274	0	0
Shoreline	991	94	130	282	13	223	119	0	0	0	0	0	0	0	0	0	135	0	11
SALTWATER TOTAL	5,479	502	1,481	2,712	196	1,294	776	16	0	0	0	0	0	662	131	314	1,117	36	72
FRESHWATER:																			
Ward Cove Creek	506	0	0	99	110	12	17	0	0	0	0	0	0	0	0	0	0	0	0
Other streams	2,084	82	54	52	242	227	0	16	0	0	50	0	0	0	0	0	0	0	0
Lakes	337	0	0	151	0	0	0	17	0	54	71	0	0	0	0	0	0	0	0
FRESHWATER TOTAL	2,170	82	54	187	263	228	17	24	0	54	88	0	0	0	0	0	0	0	0
GRAND TOTAL	5,792	511	1,482	2,708	337	1,303	776	28	0	54	88	0	0	662	131	314	1,117	36	72

Note: Ketchikan (Area A): All waters of Alaska, including drainages, from Portland Inlet to, but not including, Ernest Sound; including Duke, Annette, and Gravina islands.

Note: Standard errors were calculated using the bootstrap method. Because the empirical distribution of derived confidence intervals for these estimates is not symmetrical, valid confidence intervals cannot be obtained directly.

Note: Refer to Table 2.1 for common names and species abbreviations.

^a KI is Chinook salmon less than 28 inches. KS is Chinook salmon 28 inches and over.

^b Numbers were reported but species could not be determined, or species were incidental.

Table 2.42.—Prince of Wales Island area sport fish harvest and effort estimates by fisheries and species, 2011.

Area Fished	Resp ^a	Anglers ^b	Days																	
			Fished	KI ^c	KS ^c	SS	RS	PS	CS	DV	SH	RT	CT	SM	HA	LC	PC	RF	BC	Other ^d
SALTWATER:																				
Boat - Clarence Strait	24	715	4,378	0	366	2,934	26	732	293	0	0	0	0	0	989	47	289	830	98	0
Boat - Prince of Wales Island, east side	126	3,294	14,866	0	1,539	11,934	338	2,304	1,218	16	0	0	0	0	4,134	647	4,055	5,462	220	441
Boat - Neck Lake Outlet Fishery	14	499	1,857	0	0	2,330	0	33	0	0	0	0	0	0	0	0	0	0	0	0
Boat - Thorne Bay	17	524	1,950	0	50	480	84	181	49	16	0	0	0	0	101	66	13	163	0	0
Boat - Prince of Wales Island, west side	248	6,205	22,337	0	5,652	21,796	559	4,803	699	41	0	0	0	0	8,397	1,949	689	15,903	645	92
Boat - Craig Area	28	721	2,317	0	694	3,259	64	507	66	0	0	0	0	0	975	235	263	1,983	85	0
Boat - Noyes Island	13	351	1,442	0	533	1,396	73	232	58	0	0	0	15	0	587	91	0	1,272	0	0
Boat - Sea Otter Sound	17	459	1,615	0	167	2,657	34	401	17	0	0	0	0	0	454	177	506	1,397	123	0
Boat - Waterfall Bay	28	684	1,618	0	1,146	2,747	13	52	34	0	0	0	0	0	1,003	226	0	1,040	0	0
Boat - Whale Passage	20	542	2,510	0	0	4,679	79	235	44	0	0	0	0	0	169	29	26	418	0	0
Boat - Other	5	166	425	0	221	828	0	0	0	0	0	0	0	0	67	15	0	169	0	0
Shoreline - Neck Lake Outlet Fishery	13	364	1,009	0	0	1,035	0	0	0	11	0	0	0	0	0	0	0	0	0	0
Shoreline - Other	19	670	3,113	0	17	782	34	0	0	0	0	0	0	0	0	0	0	0	0	0
SALTWATER TOTAL	572	13,124	59,437	0	10,385	56,857	1,304	9,480	2,478	84	0	0	15	0	16,876	3,482	5,841	28,637	1,171	533
FRESHWATER:																				
Eagle Creek	24	656	1,526	0	0	246	0	351	0	147	0	0	29	0	0	0	0	0	0	0
Harris River	20	532	1,540	0	0	236	0	364	0	65	0	0	0	0	0	0	0	0	0	0
Klawock River	27	742	1,922	0	0	2,383	0	200	22	0	0	0	0	0	0	0	0	0	0	0
Staney Creek	32	870	2,715	0	0	2,104	0	569	0	61	0	0	0	0	0	0	0	0	0	0
Thorne River and Lake	44	1,436	6,169	0	0	1,158	219	532	0	442	0	0	144	0	0	0	0	0	0	0
Other streams	77	1,396	5,766	0	0	1,335	790	1,012	67	407	0	26	136	0	0	0	0	0	0	0
Lakes	22	564	1,620	0	0	1,307	169	70	0	77	0	57	45	0	0	0	0	0	0	0
FRESHWATER TOTAL	246	3,770	21,258	0	0	8,769	1,178	3,098	89	1,199	0	83	354	0	0	0	0	0	0	0
GRAND TOTAL	818	14,852	80,695	0	10,385	65,626	2,482	12,578	2,567	1,283	0	83	369	0	16,876	3,482	5,841	28,637	1,171	533

Note: Prince of Wales Island (Area B): All waters of Alaska, including drainages, from Cape Chacon to Sumner Strait, and from Clarence Island westward, including Forester Island.

Note: Refer to Table 2.1 for common names and species abbreviations.

^a Number of household responses.

^b Angler totals may not equal the sum of sites due to some anglers fishing at more than one site.

^c KI is Chinook salmon less than 28 inches. KS is Chinook salmon 28 inches and over.

^d Numbers were reported but species could not be determined, or species were incidental.

Table 2.43.—Prince of Wales Island area standard errors of sport fish harvest and effort by fisheries and species, 2011.

Area Fished	Days Fished	KI ^a	KS ^a	SS	RS	PS	CS	DV	SH	RT	CT	SM	HA	LC	PC	RF	BC	Other ^b
SALTWATER:																		
Boat - Clarence Strait	1,525	0	198	1,009	26	300	144	0	0	0	0	0	355	27	163	361	99	0
Boat - Prince of Wales Island, east side	3,011	0	329	2,717	156	560	349	16	0	0	0	0	883	130	1,592	1,454	119	226
Boat - Neck Lake Outlet Fishery	627	0	0	811	0	33	0	0	0	0	0	0	0	0	0	0	0	0
Boat - Thorne Bay	649	0	29	221	81	115	37	16	0	0	0	0	48	40	13	68	0	0
Boat - Prince of Wales Island, west side	2,137	0	776	2,481	284	939	244	39	0	0	0	0	835	235	232	2,448	191	53
Boat - Craig Area	656	0	192	913	52	250	40	0	0	0	0	0	252	75	181	664	56	0
Boat - Noyes Island	554	0	240	572	51	153	58	0	0	0	14	0	217	43	0	790	0	0
Boat - Sea Otter Sound	428	0	102	768	33	224	16	0	0	0	0	0	138	62	246	499	89	0
Boat - Waterfall Bay	386	0	340	781	12	28	34	0	0	0	0	0	320	73	0	361	0	0
Boat - Whale Passage	733	0	0	1,465	80	148	42	0	0	0	0	0	70	29	18	194	0	0
Boat - Other	208	0	169	646	0	0	0	0	0	0	0	0	46	15	0	164	0	0
Shoreline - Neck Lake Outlet Fishery	509	0	0	435	0	0	0	11	0	0	0	0	0	0	0	0	0	0
Shoreline - Other	1,097	0	16	513	23	0	0	0	0	0	0	0	0	0	0	0	0	0
SALTWATER TOTAL	4,551	0	1,006	4,627	355	1,231	463	46	0	0	14	0	1,385	312	1,648	3,112	269	234
FRESHWATER:																		
Eagle Creek	391	0	0	133	0	154	0	105	0	0	29	0	0	0	0	0	0	0
Harris River	448	0	0	114	0	246	0	46	0	0	0	0	0	0	0	0	0	0
Klawock River	768	0	0	1,866	0	140	21	0	0	0	0	0	0	0	0	0	0	0
Staney Creek	628	0	0	667	0	332	0	61	0	0	0	0	0	0	0	0	0	0
Thorne River and Lake	2,406	0	0	347	197	231	0	245	0	0	80	0	0	0	0	0	0	0
Other streams	1,099	0	0	372	337	319	49	361	0	18	94	0	0	0	0	0	0	0
Lakes	476	0	0	641	172	49	0	44	0	48	32	0	0	0	0	0	0	0
FRESHWATER TOTAL	2,986	0	0	2,189	432	635	54	460	0	51	131	0	0	0	0	0	0	0
GRAND TOTAL	5,429	0	1,006	5,001	551	1,377	465	461	0	51	131	0	1,385	312	1,648	3,112	269	234

Note: Prince of Wales Island (Area B): All waters of Alaska, including drainages, from Cape Chacon to Sumner Strait, and from Clarence Island westward, including Forester Island.

Note: Standard errors were calculated using the bootstrap method. Because the empirical distribution of derived confidence intervals for these estimates is not symmetrical, valid confidence intervals cannot be obtained directly.

Note: Refer to Table 2.1 for common names and species abbreviations.

^a KI is Chinook salmon less than 28 inches. KS is Chinook salmon 28 inches and over.

^b Numbers were reported but species could not be determined, or species were incidental.

Table 2.44.—Kake, Petersburg, Wrangell, Stikine area sport fish harvest and effort estimates by fisheries and species, 2011.

Area Fished	Resp ^a	Anglers ^b	Days																
			Fished	KI ^c	KS ^c	SS	RS	PS	CS	DV	SH	RT	CT	SM	HA	LC	RF	BC	Other ^d
SALTWATER:																			
Boat - Frederick Sound near Petersburg	59	1,996	5,030	0	398	1,574	0	237	59	44	0	0	0	0	2,845	83	1,137	31	0
Boat - Greys Pass/Banana Point	12	396	1,175	0	368	42	0	22	0	0	0	0	0	0	304	0	86	0	0
Boat - Sumner Strait (Strait Island to Greys Pass)	46	1,202	3,852	0	315	1,067	202	64	169	0	0	0	0	0	1,717	0	0	0	0
Boat - Remainder of Petersburg Area	21	524	2,503	0	32	955	0	40	0	21	0	0	29	0	672	0	200	0	0
Boat - Thomas Bay	12	360	1,056	0	0	182	0	0	116	0	0	0	0	0	452	0	119	0	23
Boat - Wrangell Area	44	1,286	7,963	0	1,472	1,196	116	181	44	254	0	0	0	0	676	93	398	0	15
Boat - Wrangell Narrows	42	1,210	3,952	51	633	651	0	182	17	234	0	0	0	161	420	0	28	0	34
Boat - Zarembo Island	13	309	914	0	49	540	0	42	0	0	0	0	0	0	318	0	370	0	185
Boat - Other	51	1,217	3,871	0	525	1,565	58	184	14	16	0	0	0	0	1,135	94	1,448	57	0
Shoreline	16	471	1,808	0	0	69	0	0	0	22	0	0	112	0	0	0	0	0	0
SALTWATER TOTAL	316	6,541	32,124	51	3,792	7,841	376	952	419	591	0	0	141	161	8,539	270	3,786	88	257
FRESHWATER:																			
Kupreanof Island streams	21	657	1,794	0	0	714	26	60	17	64	0	27	44	0	0	0	0	0	0
Mitkof Island streams	16	518	1,792	0	0	1,013	0	0	17	99	0	0	81	0	0	0	0	0	0
Other streams	26	594	1,555	0	0	338	0	85	0	192	0	0	231	0	0	0	0	0	0
Lakes	9	210	434	0	0	0	0	0	0	0	0	0	77	0	0	0	0	0	0
FRESHWATER TOTAL	72	1,634	5,575	0	0	2,065	26	145	34	355	0	27	433	0	0	0	0	0	0
GRAND TOTAL	388	7,165	37,699	51	3,792	9,906	402	1,097	453	946	0	27	574	161	8,539	270	3,786	88	257

Note: Kake, Petersburg, Wrangell, Stikine (Area C): All waters of Alaska, including drainages, from Ernest Sound to Cape Fanshaw, including Wrangell, Etolin, Zarembo, Mitkof, Kupreanof, Kuiu, and Coronation islands, and Ernest Sound.

Note: Refer to Table 2.1 for common names and species abbreviations.

^a Number of household responses.

^b Angler totals may not equal the sum of sites due to some anglers fishing at more than one site.

^c KI is Chinook salmon less than 28 inches. KS is Chinook salmon 28 inches and over.

^d Numbers were reported but species could not be determined, or species were incidental.

Table 2.45.—Kake, Petersburg, Wrangell, Stikine area standard errors of sport fish harvest and effort by fisheries and species, 2011.

Area Fished	Days Fished	KI ^a	KS ^a	SS	RS	PS	CS	DV	SH	RT	CT	SM	HA	LC	RF	BC	Other ^b
SALTWATER:																	
Boat - Frederick Sound near Petersburg	880	0	152	491	0	181	46	37	0	0	0	0	799	49	565	23	0
Boat - Greys Pass/Banana Point	456	0	319	31	0	22	0	0	0	0	0	0	207	0	93	0	0
Boat - Sumner Strait - Strait Island to Greys Pass	837	0	117	350	126	33	170	0	0	0	0	0	453	0	0	0	0
Boat - Remainder of Petersburg Area	1,089	0	33	412	0	41	0	20	0	0	28	0	239	0	121	0	0
Boat - Thomas Bay	459	0	0	128	0	0	102	0	0	0	0	0	271	0	90	0	23
Boat - Wrangell Area	1,941	0	440	455	70	131	43	230	0	0	0	0	228	50	187	0	15
Boat - Wrangell Narrows	978	50	216	246	0	88	17	180	0	0	0	168	152	0	27	0	36
Boat - Zarembo Island	445	0	37	329	0	42	0	0	0	0	0	0	134	0	244	0	138
Boat - Other	720	0	207	502	58	81	13	16	0	0	0	0	265	38	597	61	0
Shoreline	568	0	0	42	0	0	0	22	0	0	78	0	0	0	0	0	0
SALTWATER TOTAL	2,959	50	660	1,054	154	261	209	299	0	0	85	168	1,054	80	907	65	145
FRESHWATER:																	
Kupreanof Island streams	538	0	0	242	26	60	17	33	0	25	32	0	0	0	0	0	0
Mitkof Island streams	676	0	0	370	0	0	16	74	0	0	60	0	0	0	0	0	0
Other streams	403	0	0	196	0	63	0	136	0	0	110	0	0	0	0	0	0
Lakes	158	0	0	0	0	0	0	0	0	0	46	0	0	0	0	0	0
FRESHWATER TOTAL	956	0	0	482	26	88	23	159	0	25	136	0	0	0	0	0	0
GRAND TOTAL	3,134	50	660	1,164	156	274	212	336	0	25	158	168	1,054	80	907	65	145

Note: Kake, Petersburg, Wrangell, Stikine (Area C): All waters of Alaska, including drainages, from Ernest Sound to Cape Fanshaw, including Wrangell, Etolin, Zarembo, Mitkof, Kupreanof, Kuiu, and Coronation islands, and Ernest Sound.

Note: Standard errors were calculated using the bootstrap method. Because the empirical distribution of derived confidence intervals for these estimates is not symmetrical, valid confidence intervals cannot be obtained directly.

Note: Refer to Table 2.1 for common names and species abbreviations.

^a KI is Chinook salmon less than 28 inches. KS is Chinook salmon 28 inches and over.

^b Numbers were reported but species could not be determined, or species were incidental.

Table 2.46.—Sitka area sport fish harvest and effort estimates by fisheries and species, 2011.

Area Fished	Resp ^a	Anglers ^b	Days Fished	KI ^c	KS ^c	SS	RS	PS	CS	DV	SH	RT	CT	SM	HA	LC	RF	BC	Other ^d
SALTWATER:																			
Boat - Kasnyku Bay	15	376	725	0	17	803	0	99	0	0	0	0	0	0	236	0	104	0	0
Boat - Other Baranof Island, east side	44	1,003	2,418	0	238	2,338	0	314	102	0	0	0	73	0	658	0	800	185	0
Boat - Silver Bay	21	726	1,648	0	674	176	15	28	0	16	0	0	0	0	125	30	303	0	0
Boat - Other Sitka Sound	390	10,585	25,764	0	12,149	18,119	638	2,930	1,212	64	0	0	0	385	7,320	1,259	25,116	988	143
Boat - Biorca Island	51	1,428	3,319	0	2,517	3,771	94	218	162	0	0	0	0	0	1,128	97	1,484	9	0
Boat - Baranof Island, southwest side	52	1,332	4,212	0	2,372	5,169	84	223	32	0	0	0	0	0	1,125	219	3,567	19	0
Boat - Kruzof Island outer coast	136	3,340	7,805	0	5,199	9,449	47	653	1,062	0	0	0	0	0	3,860	591	11,636	631	46
Boat - Salisbury Sound	100	2,697	5,759	0	3,577	5,572	0	404	110	0	0	0	0	0	2,156	262	5,911	298	15
Boat - Peril Strait	24	803	1,675	0	101	644	0	44	0	0	0	0	0	0	235	15	407	0	0
Boat - Chichagof Island, west side	17	524	975	0	344	367	46	176	15	0	0	0	0	0	326	71	818	95	0
Boat - Tenakee Area	38	1,176	3,277	0	306	1,443	63	174	236	0	6	0	0	0	872	0	407	0	0
Boat - Other	21	549	974	0	366	382	26	0	0	0	0	0	0	0	388	113	946	57	0
Shoreline - Sitka Sound	18	519	980	0	0	32	0	194	17	96	0	0	0	0	0	0	15	0	12
Shoreline - Other	12	378	1,091	0	17	257	491	11	0	0	0	0	87	0	0	0	0	0	0
SALTWATER TOTAL	939	20,131	60,622	0	27,877	48,522	1,504	5,468	2,948	176	6	0	160	385	18,429	2,657	51,514	2,282	216
FRESHWATER:																			
Baranof Island streams and lakes	38	921	2,050	32	0	420	0	0	0	84	9	81	73	0	0	0	0	0	0
Other streams and lakes	9	303	519	0	0	148	0	0	0	31	0	0	0	0	0	0	0	0	0
FRESHWATER TOTAL	47	1,200	2,569	32	0	568	0	0	0	115	9	81	73	0	0	0	0	0	0
GRAND TOTAL	986	20,583	63,191	32	27,877	49,090	1,504	5,468	2,948	291	15	81	233	385	18,429	2,657	51,514	2,282	216

Note: Sitka (Area D): All Alaska marine and fresh waters within the Sitka Borough boundary and north to the southern limit of the Glacier Bay area. Islands in this area include, but are not limited to, Baranof, Kruzof, Catherine, and the southern half of Chichagof.

Note: Refer to Table 2.1 for common names and species abbreviations.

^a Number of household responses.

^b Angler totals may not equal the sum of sites due to some anglers fishing at more than one site.

^c KI is Chinook salmon less than 28 inches. KS is Chinook salmon 28 inches and over.

^d Numbers were reported but species could not be determined, or species were incidental.

Table 2.47.—Sitka area standard errors of sport fish harvest and effort by fisheries and species, 2011.

Area Fished	Days Fished	KI ^a	KS ^a	SS	RS	PS	CS	DV	SH	RT	CT	SM	HA	LC	RF	BC	Other ^b
SALTWATER:																	
Boat - Kasnyku Bay	235	0	17	305	0	74	0	0	0	0	0	0	113	0	64	0	0
Boat - Other Baranof Island, east side	460	0	97	579	0	158	75	0	0	0	71	0	185	0	261	115	0
Boat - Silver Bay	449	0	278	119	16	20	0	16	0	0	0	0	84	22	193	0	0
Boat - Other Sitka Sound	2,099	0	962	1,708	243	716	254	62	0	0	0	382	739	161	2,532	283	87
Boat - Biorca Island	565	0	468	985	55	82	84	0	0	0	0	0	262	52	513	10	0
Boat - Baranof Island, southwest side	1,131	0	904	1,748	59	149	22	0	0	0	0	0	271	103	1,668	19	0
Boat - Kruzof Island outer coast	801	0	536	1,201	26	211	357	0	0	0	0	0	435	117	1,626	197	27
Boat - Salisbury Sound	703	0	471	897	0	215	50	0	0	0	0	0	361	89	1,086	145	15
Boat - Peril Strait	439	0	63	305	0	45	0	0	0	0	0	0	96	15	217	0	0
Boat - Chichagof Island, west side	286	0	144	155	47	136	15	0	0	0	0	0	114	42	375	77	0
Boat - Tenakee Area	719	0	92	448	45	81	113	0	6	0	0	0	285	0	160	0	0
Boat - Other	242	0	139	192	26	0	0	0	0	0	0	0	131	76	438	46	0
Shoreline - Sitka Sound	273	0	0	32	0	137	16	93	0	0	0	0	0	0	16	0	12
Shoreline - Other	517	0	16	155	513	11	0	0	0	0	88	0	0	0	0	0	0
SALTWATER TOTAL	2,894	0	1,596	3,203	587	848	470	112	6	0	117	382	1,044	264	3,700	406	93
FRESHWATER:																	
Baranof Island streams and lakes	496	33	0	163	0	0	0	49	9	62	76	0	0	0	0	0	0
Other streams and lakes	220	0	0	103	0	0	0	22	0	0	0	0	0	0	0	0	0
FRESHWATER TOTAL	538	33	0	190	0	0	0	55	9	62	76	0	0	0	0	0	0
GRAND TOTAL	2,928	33	1,596	3,202	587	848	470	121	11	62	138	382	1,044	264	3,700	406	93

Note: Sitka (Area D): All Alaska marine and fresh waters within the Sitka Borough boundary and north to the southern limit of the Glacier Bay area. Islands in this area include, but are not limited to, Baranof, Kruzof, Catherine, and the southern half of Chichagof.

Note: Standard errors were calculated using the bootstrap method. Because the empirical distribution of derived confidence intervals for these estimates is not symmetrical, valid confidence intervals cannot be obtained directly.

Note: Refer to Table 2.1 for common names and species abbreviations.

^a KI is Chinook salmon less than 28 inches. KS is Chinook salmon 28 inches and over.

^b Numbers were reported but species could not be determined, or species were incidental.

Table 2.48.—Juneau area sport fish harvest and effort estimates by fisheries and species, 2011.

Area Fished	Resp ^a	Anglers ^b	Days																		
			Fished	KI ^c	KS ^c	SS	LS	RS	PS	CS	DV	SH	RT	CT	SM	HA	LC	PC	RF	BC	Other ^d
SALTWATER:																					
Boat - Angoon area	22	771	2,103	0	233	2,103	0	110	1,041	87	0	0	0	0	381	641	0	319	447	57	0
Boat - Frederick Sound	29	734	1,648	0	17	155	0	0	86	0	0	0	0	0	807	15	64	735	10	17	
Boat - Lower Stephens Passage	45	1,645	3,391	0	389	1,358	0	0	125	29	0	0	0	0	788	76	61	402	239	0	
Boat - Saltwater near Juneau	588	16,552	48,231	540	2,869	18,638	0	548	4,615	3,416	329	9	0	119	257	10,715	177	1,082	3,503	2,236	215
Boat - Juneau Terminal Harvest Area	86	3,027	9,869	162	1,174	1,588	0	31	552	465	64	0	0	0	550	0	254	63	0	127	
Boat - Other	14	439	1,157	0	17	735	0	0	66	44	0	0	0	0	794	17	16	159	0	0	
Shoreline - Juneau road system	69	2,230	6,418	64	256	619	0	15	942	374	75	0	0	0	0	0	0	0	0	0	44
Shoreline - Macaulay Hatchery - DIPAC	13	638	2,662	0	193	831	0	0	228	221	32	0	0	0	0	0	0	0	0	0	23
Shoreline - Juneau Terminal Harvest Area	24	965	3,021	51	85	849	0	0	295	0	383	0	0	0	0	0	27	0	0	0	
Shoreline - Other	26	1,008	3,829	0	17	57	0	0	377	22	80	0	0	0	0	0	0	0	0	0	
SALTWATER TOTAL	916	22,999	82,329	817	5,250	26,933	0	704	8,327	4,658	963	9	0	119	638	14,295	285	1,823	5,309	2,542	426
FRESHWATER:																					
Admiralty Island streams	16	573	788	0	0	60	0	0	0	0	96	0	0	0	0	0	0	0	0	0	0
Cowee Creek	21	742	1,861	0	0	458	0	0	629	0	35	0	0	0	0	0	0	0	0	0	0
Montana Creek	25	785	2,474	0	0	571	0	0	30	0	73	0	20	0	0	0	0	0	0	0	0
Other Juneau road system	31	955	1,822	0	0	30	150	118	0	0	93	0	0	29	0	0	0	0	0	0	0
Fish Creek (Douglas Island)	21	742	1,695	176	562	35	0	0	319	0	26	0	0	95	0	0	0	0	0	0	44
Other streams	36	697	836	0	0	162	0	160	0	0	64	0	0	29	1,285	0	0	0	0	0	0
Lakes	11	427	757	0	34	15	0	0	0	0	48	0	0	115	0	0	0	0	0	0	0
FRESHWATER TOTAL	161	3,987	10,233	176	596	1,331	150	278	978	0	435	0	20	268	1,285	0	0	0	0	0	44
GRAND TOTAL	1,077	24,804	92,562	993	5,846	28,264	150	982	9,305	4,658	1,398	9	20	387	1,923	14,295	285	1,823	5,309	2,542	470

Note: Juneau (Area E): All waters of Alaska, including drainages, from Cape Fanshaw to Point Sherman, including Berners Bay, Lynn Canal south of a line from Point Sherman to the Haines Borough boundary, Point Sherman, and all of Admiralty Island.

Note: Refer to Table 2.1 for common names and species abbreviations.

^a Number of household responses.

^b Angler totals may not equal the sum of sites due to some anglers fishing at more than one site.

^c KI is Chinook salmon less than 28 inches. KS is Chinook salmon 28 inches and over.

^d Numbers were reported but species could not be determined, or species were incidental.

Table 2.49.–Juneau area standard errors of sport fish harvest and effort estimates by fisheries and species, 2011.

Area Fished	Days Fished	KI ^a	KS ^a	SS	LS	RS	PS	CS	DV	SH	RT	CT	SM	HA	LC	PC	RF	BC	Other ^b
SALTWATER:																			
Boat - Angoon area	563	0	100	571	0	91	469	60	0	0	0	0	384	229	0	189	220	58	0
Boat - Frederick Sound	406	0	17	90	0	0	57	0	0	0	0	0	0	232	14	51	377	10	17
Boat - Lower Stephens Passage	771	0	306	628	0	0	64	29	0	0	0	0	0	289	73	43	231	163	0
Boat - Saltwater near Juneau	3,306	150	501	1,757	0	181	588	715	131	9	0	62	258	1,049	89	203	506	504	89
Boat - Juneau Terminal Harvest Area	1,926	60	359	551	0	30	255	274	63	0	0	0	0	322	0	146	38	0	125
Boat - Other	490	0	17	279	0	0	49	31	0	0	0	0	0	379	17	17	139	0	0
Shoreline - Juneau road system	1,202	52	161	340	0	15	295	324	41	0	0	0	0	0	0	0	0	0	45
Shoreline - Macaulay Hatchery - DIPAC	1,117	0	137	444	0	0	179	167	32	0	0	0	0	0	0	0	0	0	22
Shoreline - Juneau Terminal Harvest Area	820	51	72	578	0	0	209	0	237	0	0	0	0	0	0	26	0	0	0
Shoreline - Other	2,218	0	17	47	0	0	285	22	42	0	0	0	0	0	0	0	0	0	0
SALTWATER TOTAL	4,885	176	730	2,132	0	207	913	866	286	9	0	62	472	1,258	118	325	724	526	167
FRESHWATER:																			
Admiralty Island streams	243	0	0	61	0	0	0	0	94	0	0	0	0	0	0	0	0	0	0
Cowee Creek	641	0	0	229	0	0	346	0	36	0	0	0	0	0	0	0	0	0	0
Montana Creek	614	0	0	286	0	0	30	0	52	0	20	0	0	0	0	0	0	0	0
Other Juneau road system	454	0	0	30	94	70	0	0	57	0	0	29	0	0	0	0	0	0	0
Fish Creek (Douglas Island)	580	115	348	20	0	0	147	0	19	0	0	84	0	0	0	0	0	0	45
Other streams	165	0	0	109	0	131	0	0	68	0	0	30	1,357	0	0	0	0	0	0
Lakes	275	0	34	15	0	0	0	0	49	0	0	70	0	0	0	0	0	0	0
FRESHWATER TOTAL	1,195	115	351	384	94	148	382	0	151	0	20	122	1,357	0	0	0	0	0	45
GRAND TOTAL	5,063	210	814	2,157	94	255	993	866	325	9	20	141	1,425	1,258	118	325	724	526	174

Note: Juneau (Area E): All waters of Alaska, including drainages, from Cape Fanshaw to Point Sherman, including Berners Bay, Lynn Canal south of a line from Point Sherman to the Haines Borough boundary, Point Sherman, and all of Admiralty Island.

Note: Standard errors were calculated using the bootstrap method. Because the empirical distribution of derived confidence intervals for these estimates is not symmetrical, valid confidence intervals cannot be obtained directly.

Note: Refer to Table 2.1 for common names and species abbreviations.

^a KI is Chinook salmon less than 28 inches. KS is Chinook salmon 28 inches and over.

^b Numbers were reported but species could not be determined, or species were incidental.

Table 2.50.—Haines-Skagway area sport fish harvest and effort estimates by fisheries and species, 2011.

Area Fished	Resp ^a	Anglers ^b	Days																	
			Fished	KI ^c	KS ^c	SS	RS	PS	CS	DV	SH	RT	CT	BT	GR	HA	LC	PC	RF	BC
SKAGWAY SUB-AREA																				
SALTWATER:																				
Boat - Taiya Inlet	54	1,500	4,411	0	492	131	0	233	0	9	0	0	0	0	0	31	0	0	0	0
Shoreline - Taiya Inlet	4	133	154	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SALTWATER TOTAL	58	1,595	4,565	0	492	131	0	233	0	9	0	0	0	0	0	31	0	0	0	0
FRESHWATER:																				
Streams and lakes	16	507	1,167	0	0	96	0	71	39	0	0	0	0	0	0	0	0	0	0	0
FRESHWATER TOTAL	16	507	1,167	0	0	96	0	71	39	0	0	0	0	0	0	0	0	0	0	0
SKAGWAY SUB-AREA TOTAL	74	1,980	5,732	0	492	227	0	304	39	9	0	0	0	0	0	31	0	0	0	0
HAINES SUB-AREA																				
SALTWATER:																				
Boat - Chilkat Inlet	15	550	3,550	0	629	12	123	113	0	0	0	0	0	0	0	181	0	13	0	0
Boat - Chilkoot Inlet	29	1,032	3,006	0	81	63	17	31	0	30	0	0	0	0	0	220	0	0	15	0
Boat - Other	10	328	705	0	35	0	0	34	0	0	0	0	0	0	0	274	0	27	14	0
Shoreline	16	557	2,299	0	17	126	34	278	15	260	0	0	0	0	0	0	0	13	0	35
SALTWATER TOTAL	70	2,102	9,560	0	762	201	174	456	15	290	0	0	0	0	0	675	0	53	29	0
FRESHWATER:																				
Chilkat River drainage	56	1,684	5,067	0	0	1,138	118	241	543	431	0	0	87	0	0	0	0	0	0	0
Chilkoot River	57	1,671	5,737	0	0	556	699	742	334	655	0	0	0	0	0	0	0	0	0	0
Other streams	5	245	484	0	0	173	17	41	69	53	0	0	15	0	0	0	0	0	0	0
Chilkat Lake	13	367	659	0	0	46	15	0	0	43	0	0	84	0	0	0	0	0	0	0
Chilkoot Lake	35	1,160	4,213	0	0	347	274	307	110	206	0	0	0	0	0	0	0	0	0	0
FRESHWATER TOTAL	166	3,969	16,160	0	0	2,260	1,123	1,331	1,056	1,388	0	0	186	0	0	0	0	0	0	0
HAINES SUB-AREA TOTAL	236	5,437	25,720	0	762	2,461	1,297	1,787	1,071	1,678	0	0	186	0	0	675	0	53	29	0
GRAND TOTAL	310	7,204	31,452	0	1,254	2,688	1,297	2,091	1,110	1,687	0	0	186	0	0	706	0	53	29	0

Note: Haines-Skagway (Area F): All waters of Alaska, including drainages, from Point Sherman to the Canadian border, including Lynn Canal and other waters north of a line from Point Sherman to Haines Borough boundary. Does not include Point Sherman.

Note: Refer to Table 2.1 for common names and species abbreviations.

^a Number of household responses.

^b Angler totals may not equal the sum of sites due to some anglers fishing at more than one site.

^c KI is Chinook salmon less than 28 inches. KS is Chinook salmon 28 inches and over.

^d Numbers were reported but species could not be determined, or species were incidental.

Table 2.51.—Haines-Skagway area standard errors of sport fish harvest and effort by fisheries and species, 2011.

Area Fished	Days Fished	KI ^a	KS ^a	SS	RS	PS	CS	DV	SH	RT	CT	BT	GR	HA	LC	PC	RF	BC	Other ^b
SKAGWAY SUB-AREA																			
SALTWATER:																			
Boat - Taiya Inlet	1,830	0	273	56	0	115	0	9	0	0	0	0	0	30	0	0	0	0	0
Shoreline - Taiya Inlet	81	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SALTWATER TOTAL	1,829	0	273	56	0	115	0	9	0	0	0	0	0	30	0	0	0	0	0
FRESHWATER:																			
Streams and lakes	391	0	0	70	0	61	26	0	0	0	0	0	0	0	0	0	0	0	0
FRESHWATER TOTAL	391	0	0	70	0	61	26	0	0	0	0	0	0	0	0	0	0	0	0
SKAGWAY SUB-AREA TOTAL	1,867	0	273	89	0	133	26	9	0	0	0	0	0	30	0	0	0	0	0
HAINES SUB-AREA																			
SALTWATER:																			
Boat - Chilkat Inlet	1,517	0	454	13	125	114	0	0	0	0	0	0	0	110	0	13	0	0	0
Boat - Chilkoot Inlet	982	0	41	37	17	24	0	23	0	0	0	0	0	105	0	0	15	0	0
Boat - Other	334	0	33	0	0	32	0	0	0	0	0	0	0	218	0	28	15	0	0
Shoreline	1,214	0	16	83	35	134	15	189	0	0	0	0	0	0	0	13	0	0	35
SALTWATER TOTAL	2,265	0	457	91	130	183	15	190	0	0	0	0	0	267	0	33	21	0	35
FRESHWATER:																			
Chilkat River drainage	1,352	0	0	286	115	148	252	191	0	0	47	0	0	0	0	0	0	0	0
Chilkoot River	1,194	0	0	182	307	251	216	289	0	0	0	0	0	0	0	0	0	0	0
Other streams	239	0	0	118	17	41	70	54	0	0	15	0	0	0	0	0	0	0	0
Chilkat Lake	223	0	0	39	15	0	0	31	0	0	60	0	0	0	0	0	0	0	0
Chilkoot Lake	2,006	0	0	138	233	172	111	94	0	0	0	0	0	0	0	0	0	0	0
FRESHWATER TOTAL	2,763	0	0	390	392	341	358	368	0	0	78	0	0	0	0	0	0	0	0
HAINES SUB-AREA TOTAL	3,553	0	457	405	402	389	358	430	0	0	78	0	0	267	0	33	21	0	35
GRAND TOTAL	4,004	0	529	414	402	416	359	430	0	0	78	0	0	270	0	33	21	0	35

Note: Haines-Skagway (Area F): All waters of Alaska, including drainages, from Point Sherman to the Canadian border, including Lynn Canal and other waters north of a line from Point Sherman to Haines Borough boundary. Does not include Point Sherman.

Note: Standard errors were calculated using the bootstrap method. Because the empirical distribution of derived confidence intervals for these estimates is not symmetrical, valid confidence intervals cannot be obtained directly.

Note: Refer to Table 2.1 for common names and species abbreviations.

^a KI is Chinook salmon less than 28 inches. KS is Chinook salmon 28 inches and over.

^b Numbers were reported but species could not be determined, or species were incidental.

Table 2.52.–Glacier Bay area sport fish harvest and effort estimates by fisheries and species, 2011.

Area Fished	Resp ^a	Anglers ^b	Days		KI ^c	KS ^c	SS	RS	PS	CS	DV	CT	SM	HA	LC	PC	RF	BC	Other ^d
			Fished																
SALTWATER:																			
Boat - Cross Sound (excl. Glacier Bay National Park)	43	1,246	2,698	0	485	2,800	64	560	129	26	0	0	1,195	211	14	1,685	151	0	
Boat - Elfin Cove	17	425	1,306	0	271	1,870	13	690	82	0	0	0	506	51	0	771	57	0	
Boat - Glacier Bay (Proper)	27	771	1,829	0	0	218	17	717	0	10	0	0	943	0	40	69	0	0	
Boat - Glacier Bay National Park (excl. Glacier Bay)	19	493	951	0	85	211	34	85	0	0	0	0	489	0	13	186	9	0	
Boat - Gustavus Area	36	770	2,923	0	221	1,360	197	902	58	0	0	0	1,884	32	51	654	51	0	
Boat - Homeshore Area	27	783	2,389	0	17	1,047	202	2,067	467	0	0	0	1,365	15	306	422	10	0	
Boat - Hoonah Area	29	964	1,870	0	0	1,067	158	255	0	87	0	805	838	34	98	139	20	0	
Boat - Icy Strait (excl. Glacier Bay National Park)	107	2,818	11,010	0	369	4,904	145	3,842	594	48	0	0	4,975	191	243	883	0	15	
Boat - Northern Chichagof Island	16	359	739	0	137	24	17	40	81	0	0	0	444	30	0	96	0	0	
Boat - Outer Coast Yakobi Island	51	1,183	3,187	0	1,553	2,946	17	368	151	0	0	0	1,028	362	17	2,948	0	334	
Boat - Other	5	93	246	0	17	133	0	55	0	0	0	0	85	15	0	86	0	0	
Shoreline	8	168	395	0	0	9	17	32	0	0	0	0	0	0	0	0	0	0	
SALTWATER TOTAL	385	7,585	29,543	0	3,155	16,589	881	9,613	1,562	171	0	805	13,752	941	782	7,939	298	349	
FRESHWATER:																			
Game Creek	12	290	683	0	0	209	0	60	0	21	0	0	0	0	0	0	0	0	
North Chichagof Island streams	13	376	745	0	0	635	51	116	56	274	0	0	0	0	0	0	0	0	
Other streams	18	566	1,511	0	0	396	0	506	0	103	72	0	0	0	0	0	0	0	
Lakes	3	91	91	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
FRESHWATER TOTAL	46	1,195	3,030	0	0	1,240	51	682	56	398	72	0	0	0	0	0	0	0	
GRAND TOTAL	431	8,121	32,573	0	3,155	17,829	932	10,295	1,618	569	72	805	13,752	941	782	7,939	298	349	

Note: Glacier Bay (Area G): All waters of Alaska, including drainages, south of Cape Fairweather to and including Chichagof drainages into Icy Strait and Cross Sound, west of Point Couverden and the Haines Borough boundary, including Pleasant Island, The Sisters, and Point Couverden.

Note: Refer to Table 2.1 for common names and species abbreviations.

^a Number of household responses.

^b Angler totals may not equal the sum of sites due to some anglers fishing at more than one site.

^c KI is Chinook salmon less than 28 inches. KS is Chinook salmon 28 inches and over.

^d Numbers were reported but species could not be determined, or species were incidental.

Table 2.53.—Glacier Bay area standard errors of sport fish harvest and effort by fisheries and species, 2011.

Area Fished	Days Fished	KI ^a	KS ^a	SS	RS	PS	CS	DV	CT	SM	HA	LC	PC	RF	BC	Other ^b
SALTWATER:																
Boat - Cross Sound (excl. Glacier Bay National Park)	496	0	155	692	40	209	67	19	0	0	284	72	14	610	89	0
Boat - Elfin Cove	349	0	161	663	13	391	71	0	0	0	207	37	0	348	56	0
Boat - Glacier Bay (Proper)	419	0	0	115	17	376	0	10	0	0	273	0	30	69	0	0
Boat - Glacier Bay National Park (excl. Glacier Bay)	245	0	61	97	35	53	0	0	0	0	168	0	14	99	10	0
Boat - Gustavus Area	575	0	102	398	161	323	60	0	0	0	455	21	29	351	52	0
Boat - Homeshore Area	536	0	17	303	198	814	306	0	0	0	398	15	215	345	9	0
Boat - Hoonah Area	502	0	0	549	158	222	0	87	0	808	270	36	72	108	14	0
Boat - Icy Strait (excl. Glacier Bay National Park)	3,526	0	109	1,599	71	1,119	264	46	0	0	738	67	108	291	0	15
Boat - Northern Chichagof Island	220	0	91	24	17	28	69	0	0	0	190	21	0	57	0	0
Boat - Outer Coast Yakobi Island	581	0	337	860	17	145	72	0	0	0	241	90	17	875	0	299
Boat - Other	128	0	17	109	0	54	0	0	0	0	60	14	0	83	0	0
Shoreline	200	0	0	9	17	23	0	0	0	0	0	0	0	0	0	0
SALTWATER TOTAL	3,881	0	431	2,204	316	1,618	444	102	0	808	1,152	148	261	1,252	119	299
FRESHWATER:																
Game Creek	293	0	0	135	0	43	0	21	0	0	0	0	0	0	0	0
North Chichagof Island streams	238	0	0	418	50	86	41	184	0	0	0	0	0	0	0	0
Other streams	434	0	0	166	0	265	0	68	71	0	0	0	0	0	0	0
Lakes	64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FRESHWATER TOTAL	569	0	0	464	50	282	41	195	71	0	0	0	0	0	0	0
GRAND TOTAL	3,920	0	431	2,234	321	1,646	446	225	71	808	1,152	148	261	1,252	119	299

Note: Glacier Bay (Area G): All waters of Alaska, including drainages, south of Cape Fairweather to and including Chichagof drainages into Icy Strait and Cross Sound, west of Point Couverden and the Haines Borough boundary, including Pleasant Island, The Sisters, and Point Couverden.

Note: Standard errors were calculated using the bootstrap method. Because the empirical distribution of derived confidence intervals for these estimates is not symmetrical, valid confidence intervals cannot be obtained directly.

Note: Refer to Table 2.1 for common names and species abbreviations.

^a KI is Chinook salmon less than 28 inches. KS is Chinook salmon 28 inches and over.

^b Numbers were reported but species could not be determined, or species were incidental.

Table 2.54.–Yakutat area sport fish harvest and effort estimates by fisheries and species, 2011.

Area Fished	Resp ^a	Anglers ^b	Days																	
			Fished	KI ^c	KS ^c	SS	RS	PS	CS	DV	SH	RT	CT	SM	HA	LC	PC	RF	BC	Other ^d
SALTWATER:																				
Boat - Yakutat Bay	148	3,261	8,338	0	374	8,359	268	490	320	50	0	0	0	0	4,570	955	53	2,710	256	0
Boat - Other	4	80	184	0	0	36	0	0	0	0	0	0	0	0	16	0	0	0	0	0
Shoreline - Yakutat Bay	12	241	425	0	0	306	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SALTWATER TOTAL	164	3,404	8,947	0	374	8,701	268	490	320	50	0	0	0	0	4,586	955	53	2,710	256	0
FRESHWATER:																				
Akwe River	20	474	1,427	67	186	1,108	131	0	0	10	0	0	0	0	0	0	0	0	0	674
East Alsek River	16	376	1,669	0	61	1,159	1,028	131	17	121	0	0	0	811	0	0	0	0	0	0
Italio River	32	696	1,628	17	0	2,055	66	22	0	0	0	0	0	0	0	0	0	0	0	89
Lost River	33	733	1,901	0	0	1,402	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Situk River, above weir	95	2,268	6,990	0	0	3,135	3,189	543	0	58	0	0	0	0	0	0	0	0	0	253
Situk River, below weir	100	2,088	8,993	34	0	4,745	6,706	873	0	71	0	0	0	0	0	0	0	0	0	0
Situk River - reach unspecified	13	278	933	0	0	520	210	240	0	0	0	0	0	0	0	0	0	0	0	0
Tawah Creek	20	425	1,299	0	0	1,211	53	0	0	0	0	0	0	0	0	0	0	0	0	67
Tsiu River	27	579	2,092	0	0	2,490	0	0	0	21	0	0	0	0	0	0	0	0	0	0
Other streams	26	506	2,588	34	30	998	303	10	0	122	0	0	0	0	0	0	0	0	0	0
Lakes	2	43	43	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FRESHWATER TOTAL	384	6,235	29,563	152	277	18,823	11,686	1,819	17	403	0	0	0	811	0	0	0	0	0	1,083
GRAND TOTAL	548	7,182	38,510	152	651	27,524	11,954	2,309	337	453	0	0	0	811	4,586	955	53	2,710	256	1,083

Note: Yakutat (Area H): All waters of Alaska, including drainages, from but not including, Cape Suckling to and including Cape Fairweather.

Note: Refer to Table 2.1 for common names and species abbreviations.

^a Number of household responses.

^b Angler totals may not equal the sum of sites due to some anglers fishing at more than one site.

^c KS is Chinook salmon 28 inches and over in saltwater; Chinook salmon 20 inches and over in freshwater.

^d Numbers were reported but species could not be determined, or species were incidental.

Table 2.55.–Yakutat area standard errors of sportfish harvest and effort by fisheries and species, 2011.

Area Fished	Days Fished	KI ^a	KS ^a	SS	RS	PS	CS	DV	SH	RT	CT	SM	HA	LC	PC	RF	BC	Other ^b
SALTWATER:																		
Boat - Yakutat Bay	1,022	0	125	1,292	258	399	246	41	0	0	0	0	669	165	43	560	124	0
Boat - Other	132	0	0	37	0	0	0	0	0	0	0	0	17	0	0	0	0	0
Shoreline - Yakutat Bay	128	0	0	140	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SALTWATER TOTAL	1,048	0	125	1,304	258	399	246	41	0	0	0	0	669	165	43	560	124	0
FRESHWATER:																		
Akwe River	387	43	105	372	95	0	0	10	0	0	0	0	0	0	0	0	0	482
East Alsek River	458	0	51	377	531	137	17	121	0	0	0	811	0	0	0	0	0	0
Italio River	408	18	0	448	69	22	0	0	0	0	0	0	0	0	0	0	0	88
Lost River	416	0	0	384	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Situk River, above weir	1,039	0	0	669	973	277	0	31	0	0	0	0	0	0	0	0	0	149
Situk River, below weir	1,197	34	0	960	1,552	386	0	32	0	0	0	0	0	0	0	0	0	0
Situk River - reach unspecified	380	0	0	281	111	205	0	0	0	0	0	0	0	0	0	0	0	0
Tawah Creek	421	0	0	503	52	0	0	0	0	0	0	0	0	0	0	0	0	67
Tsiu River	447	0	0	582	0	0	0	21	0	0	0	0	0	0	0	0	0	0
Other streams	763	34	30	304	311	10	0	104	0	0	0	0	0	0	0	0	0	0
Lakes	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FRESHWATER TOTAL	2,103	68	117	1,704	1,898	551	17	164	0	0	0	811	0	0	0	0	0	514
GRAND TOTAL	2,352	68	173	2,137	1,925	679	247	168	0	0	0	811	669	165	43	560	124	514

Note: Yakutat (Area H): All waters of Alaska, including drainages, from but not including, Cape Suckling to and including Cape Fairweather.

Note: Standard errors were calculated using the bootstrap method. Because the empirical distribution of derived confidence intervals for these estimates is not symmetrical, valid confidence intervals cannot be obtained directly.

Note: Refer to Table 2.1 for common names and species abbreviations.

^a KS is Chinook salmon 28 inches and over in saltwater; Chinook salmon 20 inches and over in freshwater.

^b Numbers were reported but species could not be determined, or species were incidental.

Table 2.56.—Upper Copper River drainages sport fish harvest and effort estimates by fisheries and species, 2011.

Area Fished	Resp ^a	Anglers ^b	Days												
			Fished	KS	SS	LS	RS	LT	DV	SH	RT	GR	WF	BB	Other ^c
Gulkana River - Paxson to ADF&G Tower	16	517	1,024	0	0	0	0	24	0	0	0	285	0	0	0
Gulkana River - West Fork to Highway	44	1,886	3,211	409	0	0	507	0	0	0	0	73	0	0	0
Gulkana River - Highway to Copper River	20	645	860	127	0	0	177	0	0	0	0	0	0	0	0
Gulkana River - Other	22	757	989	27	0	0	101	0	0	0	0	56	0	0	0
Copper River	21	562	1,024	90	0	0	723	0	9	0	0	0	0	0	0
Klutina River	134	4,715	9,726	1,043	0	0	6,025	0	64	0	0	0	0	0	12
Other streams	34	1,182	1,930	57	21	0	148	0	136	0	13	38	224	0	0
Stocked lakes	29	960	3,117	0	0	10	0	0	0	0	803	42	0	0	0
Summit Lake (near Paxson)	12	466	845	0	0	0	0	37	0	0	0	91	0	24	0
Other lakes	45	1,820	3,235	0	0	0	46	242	22	0	249	69	29	304	0
TOTAL	377	11,057	25,961	1,753	21	10	7,727	303	231	0	1,065	654	253	328	12

Note: Upper Copper River drainage (Area I): All waters and tributaries of the Copper River upstream from a line between the south bank of Haley Creek and the south bank of Canyon Creek in Wood Canyon. Includes Van, Paxson, Summit, Strelna, Sculpin, and Hudson lakes, Gulkana River and others. Does not include Tangle Lakes (area U), and does not include Lake Louise (Area M).

Note: Refer to Table 2.1 for common names and species abbreviations.

^a Number of household responses.

^b Angler totals may not equal the sum of sites due to some anglers fishing at more than one site.

^c Numbers were reported but species could not be determined, or species were incidental.

Table 2.57.—Upper Copper River drainages standard errors of sport fish harvest and effort by fisheries and species, 2011.

Area Fished	Days Fished	KS	SS	LS	RS	LT	DV	SH	RT	GR	WF	BB	Other ^a
Gulkana River - Paxson to ADF&G Tower	313	0	0	0	0	24	0	0	0	130	0	0	0
Gulkana River - West Fork to Highway	663	120	0	0	203	0	0	0	0	38	0	0	0
Gulkana River - Highway to Copper River	233	51	0	0	109	0	0	0	0	0	0	0	0
Gulkana River - Other	265	20	0	0	99	0	0	0	0	40	0	0	0
Copper River	394	45	0	0	356	0	9	0	0	0	0	0	0
Klutina River	1,384	167	0	0	1,407	0	62	0	0	0	0	0	12
Other streams	403	43	22	0	117	0	106	0	12	30	228	0	0
Stocked lakes	1,632	0	0	10	0	0	0	0	321	43	0	0	0
Summit Lake (near Paxson)	297	0	0	0	0	22	0	0	0	69	0	25	0
Other lakes	723	0	0	0	48	101	23	0	163	37	29	162	0
TOTAL	2,437	224	22	10	1,508	105	124	0	355	170	230	164	12

Note: Upper Copper River drainage (AreaNote: I): All waters and tributaries of the Copper River upstream from a line between the south bank of Haley Creek and the south bank of Canyon Creek in Wood Canyon. Includes Van, Paxson, Summit, Strelna, Sculpin, and Hudson lakes, Gulkana River and others. Does not include Tangle Lakes (area U), and does not include Lake Louise (Area M).

Note: Standard errors were calculated using the bootstrap method. Because the empirical distribution of derived confidence intervals for these estimates is not symmetrical, valid confidence intervals cannot be obtained directly.

Note: Refer to Table 2.1 for common names and species abbreviations.

^a Numbers were reported but species could not be determined, or species were incidental.

Table 2.58.—North Gulf Coast/Prince William Sound area sport fish harvest and effort estimates by fisheries and species, 2011.

Area Fished	Resp ^a	Anglers ^b	Days																	Other ^c	
			Fished	KS	SS	RS	PS	CS	DV	SH	RT	CT	GR	HA	SK	RF	LC	BC	HCL		SHR
SALTWATER:																					
Boat—Resurrection Bay—Trip to Seward	634	21,542	39,085	1,173	47,420	975	823	53	0	0	0	0	0	14,087	0	14,295	0	352	0	0	196
Boat—North Gulf Coast West of Aialik Cape	124	3,971	7,601	156	5,659	383	75	0	64	0	0	0	0	4,617	0	4,916	570	135	0	103	12
Boat—North Gulf Coast East of Aialik Cape	392	12,348	16,568	362	18,630	229	496	47	16	0	0	0	0	14,680	0	12,072	1,835	529	0	0	55
Boat—West PWS—Trip to Seward	352	10,554	23,476	481	13,161	412	370	29	9	0	0	0	0	18,633	56	11,779	3,589	216	0	653	195
Boat—Other—Trip to Seward	52	1,898	2,863	165	2,793	242	304	0	0	0	0	0	0	2,945	0	3,218	1,091	150	0	0	0
Boat—West PWS—Trip to Whittier/Chenega/W. PWS	325	12,290	40,738	324	12,723	2,062	882	246	0	0	0	0	0	11,311	0	11,141	1,055	87	0	10,631	235
Boat—East PWS—Trip to Whittier/Chenega/W. PWS	46	1,666	5,096	450	2,173	826	35	13	10	0	0	0	0	1,925	0	1,346	1,210	0	0	271	0
Boat—Other—Trip to Whittier/Chenega/W. PWS	14	377	729	48	199	0	14	0	0	0	0	0	0	380	0	447	45	8	0	711	0
Boat—West PWS—Trip to Valdez	78	2,687	7,612	64	2,878	966	154	17	0	0	0	0	0	3,355	0	2,029	429	195	0	831	144
Boat—East PWS—Trip to Valdez	142	5,025	11,908	0	4,653	61	209	0	0	38	0	0	0	5,936	6	3,898	1,280	206	0	1,970	44
Boat—Valdez Arm—Trip to Valdez	296	10,539	24,588	481	36,297	412	383	18	0	0	0	0	0	1,517	0	2,371	338	29	0	5,563	165
Boat—West PWS—Trip to Cordova or E. PWS	22	786	2,365	42	689	14	206	0	0	0	0	0	0	942	0	434	140	0	0	1,120	0
Boat—East PWS—Trip to Cordova or E. PWS	37	1,008	2,723	0	959	0	201	44	0	0	0	0	0	1,344	0	793	122	0	0	74	75
Boat—Other	55	1,826	3,674	16	1,181	77	20	44	0	0	0	0	0	1,214	0	657	193	9	0	1,124	46
Shoreline—Resurrection Bay (Seward)	124	4,055	7,789	82	713	7,351	333	309	81	0	0	0	0	0	0	15	0	0	0	0	50
Shoreline—Passage Canal (Whittier)	16	602	1,074	0	157	13	155	0	0	0	0	0	0	0	0	28	0	0	0	260	0
Shoreline—Other West Prince William Sound	13	342	3,243	0	253	934	12	0	0	0	0	0	0	0	0	0	0	0	2,296	1,215	0
Shoreline—Allison Point	116	5,350	8,811	0	5,159	444	8,813	15	0	0	0	0	0	0	0	0	0	0	0	0	0
Shoreline—Remainder of Valdez Arm	107	3,782	6,249	33	4,816	249	2,736	275	0	0	0	0	0	0	0	0	0	0	0	0	0
Shoreline—Other East Prince William Sound	15	377	943	0	446	53	148	0	10	0	0	0	0	0	0	86	0	0	290	0	0
SALTWATER TOTAL	2,960	86,389	217,135	3,877	160,959	15,703	16,369	1,110	190	38	0	0	0	82,886	62	69,525	11,897	1,916	2,586	24,526	1,217
FRESHWATER:																					
Alaganik Slough	22	657	1,546	0	1,332	123	0	0	322	0	0	29	0	0	0	0	0	0	0	0	0
Eyak River	66	1,962	6,989	0	5,206	548	0	0	96	0	0	58	0	0	0	0	0	0	0	0	364
Ibeck Creek	61	1,622	6,436	0	7,351	167	100	0	391	0	0	67	0	0	0	0	0	0	0	0	191
Other East Prince William Sound streams	43	1,205	3,588	51	1,656	0	254	0	192	0	0	86	170	0	0	0	0	0	0	0	0
West Prince William Sound streams and lakes	16	472	554	0	36	210	180	0	20	0	0	18	0	0	0	0	0	0	0	0	0
Other streams	13	426	783	0	386	39	218	0	127	0	0	54	0	0	0	0	0	0	0	0	0
Lakes	24	804	1,392	0	441	65	51	0	128	0	20	375	296	0	0	0	0	0	0	0	17
FRESHWATER TOTAL	245	5,443	21,288	51	16,408	1,152	803	0	1,276	0	20	687	466	0	0	0	0	0	0	0	572
GRAND TOTAL	3,205	90,192	238,423	3,928	177,367	16,855	17,172	1,110	1,466	38	20	687	466	82,886	62	69,525	11,897	1,916	2,586	24,526	1,789

Note: North Gulf Coast/Prince William Sound (Area J): All saltwater and freshwater drainages from Cape Suckling on the east through Prince William Sound to Gore Point (including Gore Point). Also included is that portion of the Copper River drainage downstream of a line between the south bank of Haley Creek and the south bank of Canyon Creek in Wood Canyon.

Note: Refer to Table 2.1 for common names and species abbreviations.

^a Number of household responses.

^b Angler totals may not equal the sum of sites due to some anglers fishing at more than one site.

^c Numbers were reported but species could not be determined, or species were incidental.

Table 2.59.–North Gulf Coast/Prince William Sound area standard errors of sport fish harvest and effort estimates by fisheries and species, 2011.

Area Fished	Days Fished	KS	SS	RS	PS	CS	DV	SH	RT	CT	GR	HA	SK	RF	LC	BC	HCL	SHR	Other ^a
SALTWATER:																			
Boat - Resurrection Bay - Trip to Seward	2,928	251	3,956	351	185	35	0	0	0	0	0	1,418	0	1,674	0	159	0	0	88
Boat - North Gulf Coast West of Aialik Cape	1,621	77	1,029	274	41	0	67	0	0	0	0	718	0	742	112	55	0	71	11
Boat - North Gulf Coast East of Aialik Cape	1,296	106	1,514	104	132	26	16	0	0	0	0	1,065	0	1,228	225	191	0	0	33
Boat - West PWS - Trip to Seward	6,222	153	1,450	189	114	30	9	0	0	0	0	1,452	37	1,203	445	83	0	299	145
Boat - Other - Trip to Seward	587	71	713	166	159	0	0	0	0	0	0	721	0	862	211	107	0	0	0
Boat - West PWS - Trip to Whittier/Chenega/West PWS	4,715	95	1,776	544	228	119	0	0	0	0	0	2,203	0	1,723	252	43	0	2,336	168
Boat - East PWS - Trip to Whittier/Chenega/W. PWS	1,189	449	687	556	20	13	10	0	0	0	0	548	0	566	1,025	0	0	151	0
Boat - Other - Trip to Whittier/Chenega/W. PWS	226	36	142	0	14	0	0	0	0	0	0	173	0	234	33	8	0	515	0
Boat - West PWS - Trip to Valdez	1,509	35	683	901	101	17	0	0	0	0	0	835	0	441	176	119	0	433	97
Boat - East PWS - Trip to Valdez	2,015	0	847	61	117	0	0	38	0	0	0	699	6	786	301	154	0	775	22
Boat - Valdez Arm - Trip to Valdez	2,357	228	4,128	242	164	13	0	0	0	0	0	269	0	708	129	30	0	2,965	143
Boat - West PWS - Trip to Cordova or East PWS	764	35	357	15	160	0	0	0	0	0	0	303	0	178	102	0	0	600	0
Boat - East PWS - Trip to Cordova or East PWS	689	0	338	0	147	44	0	0	0	0	0	432	0	340	70	0	0	51	58
Boat - Other	717	16	362	79	14	45	0	0	0	0	0	299	0	327	88	10	0	655	47
Shoreline - Resurrection Bay (Seward)	1,450	54	331	2,218	107	144	78	0	0	0	0	0	0	15	0	0	0	0	29
Shoreline - Passage Canal (Whittier)	327	0	136	13	134	0	0	0	0	0	0	0	0	27	0	0	0	253	0
Shoreline - Other West Prince William Sound	1,709	0	164	918	12	0	0	0	0	0	0	0	0	0	0	2,392	889	0	0
Shoreline - Allison Point	1,022	0	1,287	338	1,782	14	0	0	0	0	0	0	0	0	0	0	0	0	0
Shoreline - Remainder of Valdez Arm	744	23	924	169	782	197	0	0	0	0	0	0	0	0	0	0	0	0	0
Shoreline - Other East Prince William Sound	386	0	208	55	105	0	10	0	0	0	0	0	0	82	0	0	285	0	0
SALTWATER TOTAL	9,800	616	6,563	2,747	2,017	291	105	38	0	0	0	3,552	38	3,417	1,246	347	2,409	4,234	308
FRESHWATER:																			
Alaganik Slough	425	0	448	80	0	0	244	0	0	28	0	0	0	0	0	0	0	0	0
Eyak River	1,363	0	1,033	271	0	0	94	0	0	58	0	0	0	0	0	0	0	0	252
Ibeck Creek	1,076	0	1,334	131	103	0	184	0	0	68	0	0	0	0	0	0	0	0	153
Other East Prince William Sound streams	825	38	519	0	206	0	162	0	0	87	174	0	0	0	0	0	0	0	0
West Prince William Sound streams and lakes	150	0	29	134	139	0	21	0	0	18	0	0	0	0	0	0	0	0	0
Other streams	278	0	255	40	211	0	95	0	0	53	0	0	0	0	0	0	0	0	0
Lakes	355	0	283	43	41	0	113	0	20	238	282	0	0	0	0	0	0	0	17
FRESHWATER TOTAL	2,026	38	1,845	340	345	0	390	0	20	280	330	0	0	0	0	0	0	0	294
GRAND TOTAL	9,997	618	6,735	2,781	2,052	291	408	38	20	280	330	3,552	38	3,417	1,246	347	2,409	4,234	423

Note: North Gulf Coast/Prince William Sound (Area J): All saltwater and freshwater drainages from Cape Suckling on the east through Prince William Sound to Gore Point (including Gore Point). Also included is that portion of the Copper River drainage downstream of a line between the south bank of Haley Creek and the south bank of Canyon Creek in Wood Canyon.

Note: Standard errors were calculated using the bootstrap method. Because the empirical distribution of derived confidence intervals for these estimates is not symmetrical, valid confidence intervals cannot be obtained directly.

Note: Refer to Table 2.1 for common names and species abbreviations.

^a Numbers were reported but species could not be determined, or species were incidental.

Table 2.60.—Knik Arm drainage area sport fish harvest and effort estimates by fisheries and species, 2011.

Area Fished	Resp ^a	Anglers ^b	Days																
			Fished	KS	SS	LS	RS	PS	CS	LT	DV	RT	GR	WF	NP	BB	SM	Other ^c	
SALTWATER	1	25	139	0	0	0	130	0	0	0	0	0	0	0	0	0	0	0	
FRESHWATER:																			
Cottonwood Creek drainage	14	464	1,736	0	619	0	893	0	0	0	0	61	0	0	0	0	0	0	
Eklutna Power Plant raceway	71	2,834	5,972	184	1,350	0	301	0	44	0	32	0	0	0	0	0	0	0	
Fish Creek (Big Lake drainage)	16	659	970	0	414	0	87	0	0	0	0	0	0	0	0	0	0	0	
Knik River drainage, including Jim Creek	122	5,000	9,810	0	3,132	0	1,852	141	7	0	614	24	54	0	0	0	0	0	
Little Susitna River	168	6,061	12,779	828	2,452	0	295	138	538	0	20	13	0	112	0	0	0	13	
Wasilla Creek (Rabbit Slough)	15	649	1,300	0	372	0	161	15	70	0	11	0	0	0	0	0	0	0	
Other streams	17	495	758	0	99	0	0	0	0	0	10	56	44	0	0	0	0	0	
Finger Lake	44	2,035	4,338	0	0	410	0	0	0	0	142	2,095	0	0	0	0	0	0	
Kepler Lake complex	70	2,691	5,899	0	0	268	0	0	0	0	528	1,637	0	0	0	0	0	23	
Nancy Lake	23	877	1,072	0	46	0	0	0	0	0	0	20	0	0	712	0	0	0	
Red Shirt Lake	13	441	1,164	0	0	0	0	0	0	0	0	0	0	0	1,819	23	0	0	
Other Nancy Lake Recreation Area	31	1,224	2,141	0	0	0	0	0	0	0	0	20	0	0	869	0	0	0	
Other stocked lakes	119	4,364	11,893	0	0	62	0	0	0	0	150	4,054	341	0	111	0	0	0	
Big Lake	38	1,639	3,080	0	0	0	0	0	0	0	64	887	0	0	297	109	0	0	
Other lakes	42	2,046	3,633	0	0	0	0	0	0	0	22	501	0	0	2,155	0	0	0	
FRESHWATER TOTAL	803	23,707	66,545	1,012	8,484	740	3,589	294	659	0	1,593	9,368	439	112	5,963	132	0	36	
GRAND TOTAL	804	23,731	66,684	1,012	8,484	740	3,719	294	659	0	1,593	9,368	439	112	5,963	132	0	36	

Note: Knik Arm drainage (Area K): All waters, including drainages, of the Matanuska and Knik rivers; the Little Susitna River, including all waters draining to the south and east into Knik Arm, including the western half of Knik Arm to the Matanuska-Susitna Borough/Anchorage Municipality boundary in Knik Arm; and, the waters of the Nancy Lake Recreation Area.

Note: Refer to Table 2.1 for common names and species abbreviations.

^a Number of household responses.

^b Angler totals may not equal the sum of sites due to some anglers fishing at more than one site.

^c Numbers were reported but species could not be determined, or species were incidental.

Table 2.61.—Knik Arm drainage area standard errors of sport fish harvest and effort estimates by fisheries and species, 2011.

Area Fished	Days Fished	KS	SS	LS	RS	PS	CS	LT	DV	RT	GR	WF	NP	BB	SM	Other ^a
SALTWATER	145	0	0	0	136	0	0	0	0	0	0	0	0	0	0	0
FRESHWATER:																
Cottonwood Creek drainage	633	0	285	0	379	0	0	0	0	62	0	0	0	0	0	0
Eklutna Power Plant raceway	1,209	129	530	0	140	0	27	0	31	0	0	0	0	0	0	0
Fish Creek (Big Lake drainage)	266	0	232	0	52	0	0	0	0	0	0	0	0	0	0	0
Knik River drainage, including Jim Creek	1,335	0	605	0	486	139	7	0	497	16	52	0	0	0	0	0
Little Susitna River	1,720	203	394	0	118	85	139	0	21	13	0	110	0	0	0	13
Wasilla Creek (Rabbit Slough)	671	0	159	0	124	15	57	0	11	0	0	0	0	0	0	0
Other streams	269	0	53	0	0	0	0	0	10	34	44	0	0	0	0	0
Finger Lake	1,165	0	0	256	0	0	0	0	74	735	0	0	0	0	0	0
Kepler Lake complex	1,114	0	0	219	0	0	0	0	512	488	0	0	0	0	0	22
Nancy Lake	266	0	45	0	0	0	0	0	0	20	0	0	343	0	0	0
Red Shirt Lake	502	0	0	0	0	0	0	0	0	0	0	0	891	23	0	0
Other Nancy Lake Recreation Area	509	0	0	0	0	0	0	0	0	21	0	0	367	0	0	0
Other stocked lakes	1,724	0	0	42	0	0	0	0	94	958	182	0	82	0	0	0
Big Lake	696	0	0	0	0	0	0	0	32	499	0	0	222	89	0	0
Other lakes	881	0	0	0	0	0	0	0	22	188	0	0	897	0	0	0
FRESHWATER TOTAL	3,784	240	1,005	331	658	164	149	0	723	1,425	198	110	1,402	93	0	26
GRAND TOTAL	3,785	240	1,005	331	670	164	149	0	723	1,425	198	110	1,402	93	0	26

Note: Knik Arm drainage (Area K): All waters, including drainages, of the Matanuska and Knik rivers; the Little Susitna River, including all waters draining to the south and east into Knik Arm, including the western half of Knik Arm to the Matanuska-Susitna Borough/Anchorage Municipality boundary in Knik Arm; and, the waters of the Nancy Lake Recreation Area.

Note: Standard errors were calculated using the bootstrap method. Because the empirical distribution of derived confidence intervals for these estimates is not symmetrical, valid confidence intervals cannot be obtained directly.

Note: Refer to Table 2.1 for common names and species abbreviations.

^a Numbers were reported but species could not be determined, or species were incidental.

Table 2.62.—Anchorage area sport fish harvest and effort estimates by fisheries and species, 2011.

Area Fished	Resp ^a	Anglers ^b	Days Fished	KS	SS	LS	RS	PS	CS	DV	RT	GR	NP	WF	SM	Other ^c
SALTWATER:																
Shoreline - Twentymile River mouth	14	666	948	0	0	0	0	0	0	0	0	0	0	0	27,845	0
Shoreline - Other	11	565	1,282	16	55	0	215	85	0	0	0	0	0	0	6,222	0
SALTWATER TOTAL	25	1,181	2,230	16	55	0	215	85	0	0	0	0	0	0	34,067	0
FRESHWATER:																
Bird Creek	83	3,019	5,027	0	1,324	0	0	339	111	0	40	0	0	0	0	0
Campbell Creek	21	803	2,897	0	502	0	0	0	0	0	0	0	0	0	0	0
Glacier Creek	21	593	2,190	0	366	0	0	286	216	80	0	0	0	0	0	12
Placer River	15	602	1,203	0	1,016	0	0	14	0	59	0	0	0	0	0	0
Ship Creek	135	4,346	12,473	600	2,443	0	0	21	0	16	0	0	0	0	0	0
Twentymile River	28	973	1,843	0	1,087	0	0	56	0	198	0	0	0	0	0	0
Other streams	50	1,865	3,531	0	612	0	29	92	70	9	0	0	0	0	0	0
Eagle River/Chugiak lakes	41	1,562	3,672	0	0	0	0	0	0	11	20	0	616	0	0	0
Campbell Point Lake	14	687	1,109	0	0	0	0	0	0	153	92	0	0	0	0	0
Cheney Lake	14	557	1,145	0	0	0	0	0	0	0	40	0	0	0	0	0
Delong Lake	15	652	1,587	0	0	61	0	0	0	0	121	0	0	0	0	347
Jewel Lake	24	1,142	1,677	0	0	51	0	0	0	0	81	0	0	0	0	0
Sand Lake	18	762	1,834	0	0	0	0	0	0	224	547	0	0	0	0	0
Clunie Lake (JBER)	15	678	2,265	0	0	84	0	0	0	0	783	0	0	0	0	0
Otter Lake (JBER)	14	630	635	0	0	0	0	0	0	0	0	0	0	0	0	0
Other JBER lakes	24	775	1,985	0	0	0	0	0	0	0	253	0	0	0	0	0
Other lakes	14	507	884	0	0	13	0	0	0	22	134	0	0	0	0	0
FRESHWATER TOTAL	546	13,848	45,957	600	7,350	209	29	808	397	772	2,111	0	616	0	0	359
GRAND TOTAL	571	14,830	48,187	616	7,405	209	244	893	397	772	2,111	0	616	0	34,067	359

Note: Anchorage (Area L): All waters inside the area bounded by the Eklutna River drainage on the north; Knik Arm on the west; Turnagain Arm, to Ingram Creek (including Portage Creek and Placer River) on the south; and the Chugach Mountains on the east. Boundary streams are included in the area.

Note: Refer to Table 2.1 for common names and species abbreviations.

^a Number of household responses.

^b Angler totals may not equal the sum of sites due to some anglers fishing at more than one site.

^c Numbers were reported but species could not be determined, or species were incidental.

Table 2.63.—Anchorage area standard errors of sport fish harvest and effort estimates by fisheries and species, 2011.

Area Fished	Days Fished	KS	SS	LS	RS	PS	CS	DV	RT	GR	NP	WF	SM	Other ^a
SALTWATER:														
Shoreline - Twentymile River mouth	333	0	0	0	0	0	0	0	0	0	0	0	10,165	0
Shoreline - Other	622	16	58	0	222	87	0	0	0	0	0	0	4,298	0
SALTWATER TOTAL	705	16	58	0	222	87	0	0	0	0	0	0	11,003	0
FRESHWATER:														
Bird Creek	869	0	333	0	0	93	51	0	41	0	0	0	0	0
Campbell Creek	941	0	400	0	0	0	0	0	0	0	0	0	0	0
Glacier Creek	978	0	132	0	0	139	142	78	0	0	0	0	0	11
Placer River	374	0	377	0	0	13	0	49	0	0	0	0	0	0
Ship Creek	2,454	177	1,263	0	0	15	0	16	0	0	0	0	0	0
Twentymile River	446	0	403	0	0	44	0	136	0	0	0	0	0	0
Other streams	889	0	277	0	28	46	36	9	0	0	0	0	0	0
Eagle River/Chugiak lakes	1,202	0	0	0	0	0	0	11	20	0	356	0	0	0
Campbell Point Lake	451	0	0	0	0	0	0	102	61	0	0	0	0	0
Cheney Lake	397	0	0	0	0	0	0	0	40	0	0	0	0	0
Delong Lake	489	0	0	45	0	0	0	0	92	0	0	0	0	350
Jewel Lake	439	0	0	51	0	0	0	0	57	0	0	0	0	0
Sand Lake	602	0	0	0	0	0	0	167	312	0	0	0	0	0
Clunie Lake (JBER)	882	0	0	66	0	0	0	0	316	0	0	0	0	0
Otter Lake (JBER)	200	0	0	0	0	0	0	0	0	0	0	0	0	0
Other JBER lakes	525	0	0	0	0	0	0	0	150	0	0	0	0	0
Other lakes	312	0	0	13	0	0	0	22	105	0	0	0	0	0
FRESHWATER TOTAL	3,680	177	1,489	96	28	179	153	265	498	0	356	0	0	350
GRAND TOTAL	3,732	178	1,491	96	224	198	153	265	498	0	356	0	11,003	350

Note: Anchorage (Area L): All waters inside the area bounded by the Eklutna River drainage on the north; Knik Arm on the west; Turnagain Arm, to Ingram Creek (including Portage Creek and Placer River) on the south; and the Chugach Mountains on the east. Boundary streams are included in the area.

Note: Standard errors were calculated using the bootstrap method. Because the empirical distribution of derived confidence intervals for these estimates is not symmetrical, valid confidence intervals cannot be obtained directly.

Note: Refer to Table 2.1 for common names and species abbreviations.

^a Numbers were reported but species could not be determined, or species were incidental.

Table 2. 64.–Susitna River drainage sport fish harvest and effort estimates by fisheries and species, 2011.

Area Fished	Resp ^a	Anglers ^b	Days														
			Fished	KS	SS	LS	RS	PS	CS	LT	DV	RT	GR	WF	NP	BB	Other ^c
Susitna River	82	2,809	5,316	384	1,058	0	191	255	428	0	0	40	23	0	0	24	0
Chulitna/East Susitna drainages:																	
Caswell Creek	15	476	822	0	129	0	15	165	99	0	0	202	0	0	0	0	0
Chulitna River drainage	45	879	2,248	113	72	0	307	0	17	0	0	40	0	0	0	0	0
Chunilna Creek (Clear Creek)	76	2,324	4,090	514	630	0	191	20	24	0	9	40	0	0	0	0	0
Goose Creek	12	366	717	0	64	0	0	20	0	0	0	0	0	0	0	0	0
Kashwitna River	29	1,073	3,444	172	755	0	0	0	145	0	80	101	71	0	0	0	7
Little Willow Creek	30	1,089	1,282	33	189	0	0	24	22	0	0	0	0	0	0	0	0
Montana Creek	160	5,347	8,644	362	780	0	0	184	266	0	0	0	0	0	0	0	0
Sheep Creek	91	3,014	5,868	213	762	0	0	170	557	0	35	88	27	0	0	12	0
Sunshine Creek	23	965	1,314	16	1,046	0	56	0	15	0	0	0	0	0	0	0	0
Talkeetna River drainage (excluding Clear Creek)	120	3,918	7,122	572	1,265	0	1,267	38	138	463	75	114	27	0	41	24	0
Willow Creek	153	5,282	10,949	282	2,055	0	185	626	324	0	0	0	0	0	37	0	0
Other streams - Chulitna/East Susitna drainage	35	1,004	1,429	48	235	0	247	70	132	0	0	22	45	0	0	0	0
Chulitna/East Susitna drainage stocked lakes	14	348	706	0	0	102	0	0	0	0	40	330	0	0	0	0	0
Other lakes - Chulitna/East Susitna drainage	22	1,133	2,170	0	0	0	0	0	0	53	0	0	18	0	2,060	0	0
Total Chulitna/East Susitna drainages	825	20,970	50,805	2,325	7,982	102	2,268	1,317	1,739	516	239	937	188	0	2,138	36	7
West Susitna Drainages:																	
Deshka River (Kroto Creek) below weir	130	4,685	9,341	2,267	1,408	0	0	56	0	0	0	0	0	0	0	0	0
Deshka River (Kroto Creek) above weir	40	1,272	2,335	473	387	0	0	0	0	0	0	0	0	0	258	0	0
Deshka River (reach unspecified)	25	830	1,530	399	487	0	0	0	0	0	0	0	0	0	0	0	15
Lake Creek (Yentna drainage)	96	2,890	11,520	1,390	3,340	0	1,351	26	22	0	0	143	121	0	94	49	0
Peters Creek (Yentna drainage)	12	408	1,024	61	894	0	0	42	0	0	0	27	33	0	0	0	0
Talachulitna River (Yentna drainage)	31	811	2,482	392	533	0	737	0	17	0	26	0	0	0	0	0	0
Yentna River	46	1,393	4,511	373	3,685	0	497	0	0	0	0	119	0	0	219	36	0
Remainder of Yentna River drainage	75	1,632	5,179	512	1,749	0	828	0	15	31	26	52	0	0	2,398	31	160
Other streams - West Susitna drainage	15	584	777	10	238	0	0	0	66	0	0	20	0	0	104	24	0
Other lakes - West Susitna drainage	31	968	2,131	34	45	0	0	0	0	0	0	81	0	0	4,150	0	0
Total West Susitna drainages	501	13,680	40,830	5,911	12,766	0	3,413	124	120	31	52	442	154	0	7,223	140	175
Upper Susitna Drainages:																	
Upper Susitna drainage streams	16	678	1,538	0	0	0	0	0	0	0	0	0	784	0	0	0	0
Lake Louise	29	1,245	2,989	0	0	0	0	0	0	239	0	0	239	34	0	168	0
Other upper Susitna drainage lakes	15	594	1,505	0	0	0	0	0	0	184	0	0	172	11	0	60	0
Total Upper Susitna drainages	60	2,398	6,032	0	0	0	0	0	0	423	0	0	1,195	45	0	228	0
Unspecified streams and lakes	22	710	1,082	81	0	0	34	0	0	0	21	11	39	0	204	0	0
TOTAL	1,490	36,535	104,065	8,701	21,806	102	5,906	1,696	2,287	970	312	1,430	1,599	45	9,565	428	182

Note: Susitna River drainage (Area M): All drainages of the Susitna River, including the upper, east and west drainages. This includes Deshka, Yentna and Chulitna drainages in the west, Kashwitna, Talkeetna, Oshetna and Tyone rivers and Lake Louise to the East. Does not include Little Susitna River (area K), and does not include Summit Lake (area U).

Note: Refer to Table 2.1 for common names and species abbreviations.

^a Angler totals may not equal the sum of sites due to some anglers fishing at more than one site.

^b Numbers were reported but species could not be determined, or species were incidental.

Table 2.65.—Susitna River drainage standard errors of sport fish harvest and effort estimates by fisheries and species, 2011.

Area Fished	Days Fished	KS	SS	LS	RS	PS	CS	LT	DV	RT	GR	WF	NP	BB	Other ^a	
Susitna River	972	132	337	0	112	134	351	0	0	40	24	0	0	24	0	
Chulitna/East Susitna Drainages:																
Caswell Creek	288	0	87	0	16	144	70	0	0	204	0	0	0	0	0	
Chulitna River drainage	519	55	38	0	190	0	17	0	0	39	0	0	0	0	0	
Chunilna Creek (Clear Creek)	736	159	223	0	106	14	19	0	9	42	0	0	0	0	0	
Goose Creek	338	0	48	0	0	20	0	0	0	0	0	0	0	0	0	
Kashwitna River	1,090	68	363	0	0	0	81	0	68	86	60	0	0	0	8	
Little Willow Creek	283	24	80	0	0	23	23	0	0	0	0	0	0	0	0	
Montana Creek	1,147	130	198	0	0	85	107	0	0	0	0	0	0	0	0	
Sheep Creek	917	119	198	0	0	124	288	0	33	50	20	0	0	12	0	
Sunshine Creek	343	16	391	0	44	0	14	0	0	0	0	0	0	0	0	
Talkeetna River drainage ^b	1,478	209	280	0	371	22	98	458	42	85	20	0	41	24	0	
Willow Creek	1,374	104	572	0	169	262	97	0	0	0	0	0	38	0	0	
Other streams - Chulitna/East Susitna drainage	318	36	116	0	119	68	128	0	0	15	31	0	0	0	0	
Chulitna/East Susitna drainage stocked lakes	223	0	0	104	0	0	0	0	29	161	0	0	0	0	0	
Other lakes - Chulitna/East Susitna drainage	601	0	0	0	0	0	0	40	0	0	18	0	1,192	0	0	
Total Chulitna/East Susitna drainages	3,066	342	906	104	486	350	369	460	88	294	76	0	1,192	27	8	
West Susitna Drainages:																
Deshka River (Kroto Creek) below weir	1,285	347	411	0	0	54	0	0	0	0	0	0	0	0	0	
Deshka River (Kroto Creek) above weir	536	134	217	0	0	0	0	0	0	0	0	0	240	0	0	
Deshka River (reach unspecified)	418	172	327	0	0	0	0	0	0	0	0	0	0	0	15	
Lake Creek (Yentna drainage)	2,158	319	798	0	444	27	23	0	0	82	75	0	88	49	0	
Peters Creek (Yentna drainage)	436	51	451	0	0	43	0	0	0	26	23	0	0	0	0	
Talachulitna River (Yentna drainage)	531	155	372	0	343	0	17	0	20	0	0	0	0	0	0	
Yentna River	1,017	149	1,065	0	248	0	0	0	0	69	0	0	171	35	0	
Remainder of Yentna River drainage	915	214	472	0	517	0	15	30	25	31	0	0	1,672	29	161	
Other streams - West Susitna drainage	248	11	155	0	0	0	65	0	0	20	0	0	104	25	0	
Other lakes - West Susitna drainage	523	34	46	0	0	0	0	0	0	83	0	0	1,959	0	0	
Total West Susitna drainages	3,093	596	1,654	0	801	74	73	30	32	143	78	0	2,610	70	162	
Upper Susitna Drainages:																
Upper Susitna drainage streams	527	0	0	0	0	0	0	0	0	0	470	0	0	0	0	
Lake Louise	969	0	0	0	0	0	0	95	0	0	152	28	0	61	0	
Other upper Susitna drainage lakes	610	0	0	0	0	0	0	91	0	0	87	11	0	42	0	
Total Upper Susitna drainages	1,229	0	0	0	0	0	0	131	0	0	495	30	0	73	0	
Unspecified streams and lakes	295	52	0	0	33	0	0	0	21	12	38	0	144	0	0	
TOTAL	4,599	706	1,907	104	950	379	516	478	97	329	508	30	2,860	107	162	

Note: Susitna River drainage (Area M): All drainages of the Susitna River, including the upper, east and west drainages. This includes Deshka, Yentna and Chulitna drainages in the west, Kashwitna, Talkeetna, Oshetna and Tyone rivers and Lake Louise to the east. Does not include Little Susitna River (area K), and does not include Summit Lake (area U).

Note: Standard errors were calculated using the bootstrap method. Because the empirical distribution of derived confidence intervals for these estimates is not symmetrical, valid confidence intervals cannot be obtained directly. Refer to Table 2.1 for common names and species abbreviations.

^a Numbers were reported but species could not be determined, or species were incidental.

^b Excluding Clear Creek.

Table 2.66.–West Cook Inlet drainages sport fish harvest and effort estimates by fisheries and species, 2011.

Area Fished	Resp ^a	Anglers ^b	Days															
			Fished	KS	SS	RS	PS	CS	LT	DV	RT	GR	WF	NP	BB	SM	Other ^c	
Chuitna River	15	416	575	0	425	17	14	0	0	0	0	0	0	0	0	0	0	
Other sites between North Forelands and Susitna drainage	26	517	1,630	0	852	307	0	0	0	0	20	0	0	0	0	0	0	
Kustatan River	35	936	1,215	0	1,876	0	0	0	0	20	0	0	0	0	0	0	0	
Silver Salmon Creek	14	345	601	22	640	0	0	0	0	10	0	0	0	0	0	0	0	
Big River Lakes	61	1,831	2,452	0	1,270	1,680	11	0	0	21	0	0	0	0	0	0	0	
Wolverine Creek mouth	61	1,984	2,544	0	801	2,252	0	0	0	0	0	0	0	0	0	0	0	
Other Sites south of North Forelands	28	696	977	54	419	156	0	0	17	54	23	0	0	19	0	0	0	
Unspecified streams	2	86	94	0	9	0	0	0	0	0	0	0	0	0	0	0	0	
TOTAL	242	6,101	10,088	76	6,292	4,412	25	0	17	105	43	0	0	19	0	0	0	

Note: West Cook Inlet drainages (Area N): All drainages emptying into Cook Inlet south of the Susitna River drainage to Cape Douglas. Includes Chuitna, Theodore, Kustatan and Lewis rivers, Wolverine and Silver Salmon creeks, Big River Lakes, and others.

Note: Refer to Table 2.1 for common names and species abbreviations.

^a Number of household responses.

^b Angler totals may not equal the sum of sites due to some anglers fishing at more than one site.

^c Numbers were reported but species could not be determined, or species were incidental.

Table 2.67.–West Cook Inlet drainages standard errors of sport fish harvest and effort estimates by fisheries and species, 2011.

Area Fished	Days Fished	KS	SS	RS	PS	CS	LT	DV	RT	GR	WF	NP	BB	SM	Other ^a
Chuitna River	188	0	167	17	14	0	0	0	0	0	0	0	0	0	0
Other sites between North Forelands and Susitna drainage	445	0	318	211	0	0	0	0	20	0	0	0	0	0	0
Kustatan River	268	0	447	0	0	0	0	20	0	0	0	0	0	0	0
Silver Salmon Creek	209	23	214	0	0	0	0	10	0	0	0	0	0	0	0
Big River Lakes	638	0	285	435	11	0	0	21	0	0	0	0	0	0	0
Wolverine Creek mouth	633	0	215	400	0	0	0	0	0	0	0	0	0	0	0
Other Sites south of North Forelands	230	42	178	66	0	0	17	33	23	0	0	18	0	0	0
Unspecified streams	69	0	9	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	1,143	47	739	635	18	0	17	45	31	0	0	18	0	0	0

Note: West Cook Inlet drainages (Area N): All drainages emptying into Cook Inlet south of the Susitna River drainage to Cape Douglas. Includes Chuitna, Theodore, Kustatan and Lewis rivers, Wolverine and Silver Salmon creeks, Big River Lakes, and others.

Note: Standard errors were calculated using the bootstrap method. Because the empirical distribution of derived confidence intervals for these estimates is not symmetrical, valid confidence intervals cannot be obtained directly.

Note: Refer to Table 2.1 for common names and species abbreviations.

^a Numbers were reported but species could not be determined, or species were incidental.

Table 2.68.—Kenai River sport fish harvest and effort estimates by fisheries and species, 2011.

Area Fished	Resp ^a	Anglers ^b	Days															
			Fished	KSP ^c	KSA ^c	SSP ^d	SSA ^d	RS	PS	CS	DV	SH	RT	GR	WF	NP	SM	Other ^e
GUIDED:																		
Kenai River - Cook Inlet to Soldotna Bridge	640	18,476	28,220	928	3,758	5,267	2,091	12,226	307	29	97	0	199	0	0	0	0	
Kenai River - Soldotna Bridge to Moose R	256	7,873	12,065	312	514	1,403	534	8,917	124	0	19	0	24	0	0	0	0	
Kenai River - Moose River to Skilak Outlet	146	4,019	5,168	56	0	819	667	3,547	0	0	10	0	28	0	0	0	0	
Kenai River - Skilak Inlet to Kenai Lake	231	6,967	8,333	0	0	348	148	3,197	0	0	88	0	61	0	0	0	0	
Kenai River - Reach not specified	2	55	67	0	0	0	0	158	0	0	0	0	0	0	0	0	0	
GUIDED TOTAL	1,275	34,249	53,853	1,296	4,272	7,837	3,440	28,045	431	29	214	0	312	0	0	0	0	
NON-GUIDED:																		
Kenai River - Cook Inlet to Soldotna Bridge	1,145	39,511	131,034	958	3,125	11,517	8,471	143,738	827	48	831	0	372	0	0	0	162	0
Kenai River - Soldotna Bridge to Moose R	864	28,431	95,056	119	362	5,106	1,896	149,880	1,776	0	520	0	440	0	0	0	5,770	243
Kenai River - Moose River to Skilak Outlet	392	13,666	48,147	34	18	1,366	2,679	48,493	338	0	162	0	290	0	37	0	0	23
Kenai River - Skilak Inlet to Kenai Lake	433	14,360	35,417	0	0	690	1,027	20,125	214	0	62	0	313	0	0	0	0	0
Kenai River - Reach not specified	34	958	2,356	33	76	61	42	5,559	0	0	0	0	0	0	0	0	0	52
NON-GUIDED TOTAL	2,868	82,177	312,010	1,144	3,581	18,740	14,115	367,795	3,155	48	1,575	0	1,415	0	37	0	5,932	318
GRAND TOTAL	4,143	109,061	365,863	2,440	7,853	26,577	17,555	395,840	3,586	77	1,789	0	1,727	0	37	0	5,932	318

Note: Kenai River (Area P): All main channel waters of the Kenai River downstream of Kenai Lake to Cook Inlet. Does not include Kenai Lake, Skilak Lake or any saltwater.

Note Refer to Table 2.1 for common names and species abbreviations.

^a Number of household responses.

^b Angler totals may not equal the sum of sites due to some anglers fishing at more than one site.

^b KSP is Chinook salmon harvested prior to July 1; KSA is Chinook salmon harvested after and including July 1.

^d SSP is coho salmon harvested prior to September 1; SSA is coho salmon harvested after and including September 1.

^e Numbers were reported but species could not be determined, or species were incidental.

Table 2.69.–Kenai River standard errors of sport fish harvest and effort estimates by fisheries and species, 2011.

Area Fished	Days Fished	KSP ^a	KSA ^a	SSP ^b	SSP ^b	RS	PS	CS	DV	SH	RT	GR	WF	NP	SM	Other ^c
GUIDED:																
Kenai River - Cook Inlet to Soldotna Bridge	1,605	144	360	658	359	1,793	172	21	44	0	78	0	0	0	0	0
Kenai River - Soldotna Bridge to Moose River	1,133	88	122	240	168	1,461	97	0	14	0	17	0	0	0	0	0
Kenai River - Moose River to Skilak Outlet	530	34	0	220	162	838	0	0	10	0	20	0	0	0	0	0
Kenai River - Skilak Inlet to Kenai Lake	795	0	0	146	91	869	0	0	37	0	31	0	0	0	0	0
Kenai River - Reach not specified	50	0	0	0	0	161	0	0	0	0	0	0	0	0	0	0
GUIDED TOTAL	2,194	176	385	762	440	2,598	199	21	61	0	90	0	0	0	0	0
NON-GUIDED:																
Kenai River - Cook Inlet to Soldotna Bridge	7,407	174	377	1,323	1,631	8,502	251	33	224	0	109	0	0	0	162	0
Kenai River - Soldotna Bridge to Moose River	5,588	50	104	971	396	9,679	962	0	163	0	166	0	0	0	4,267	229
Kenai River - Moose River to Skilak Outlet	5,138	32	14	380	742	5,204	251	0	49	0	101	0	36	0	0	23
Kenai River - Skilak Inlet to Kenai Lake	2,610	0	0	175	394	2,441	133	0	33	0	119	0	0	0	0	0
Kenai River - Reach not specified	575	23	42	31	20	2,800	0	0	0	0	0	0	0	0	0	52
NON-GUIDED TOTAL	10,782	185	392	1,686	1,865	14,047	1,036	33	287	0	255	0	36	0	4,269	238
GRAND TOTAL	10,940	263	544	1,802	1,917	14,161	1,059	39	295	0	266	0	36	0	4,269	238

Note: Kenai River (Area P): All main channel waters of the Kenai River downstream of Kenai Lake to Cook Inlet. Does not include Kenai Lake, Skilak Lake or any saltwater.

Note: Standard errors were calculated using the bootstrap method. Because the empirical distribution of derived confidence intervals for these estimates is not symmetrical, valid confidence intervals cannot be obtained directly.

Note: Refer to Table 2.1 for common names and species abbreviations.

^a KSP is Chinook salmon harvested prior to July 1; KSA is Chinook salmon harvested after and including July 1.

^b SSP is coho salmon harvested prior to September 1; SSA is coho salmon harvested after and including September 1.

^c Numbers were reported but species could not be determined, or species were incidental.

Table 2.70.—Kenai Peninsula area sport fish freshwater harvest and effort estimates by fisheries and species, 2011.

Area Fished	Resp ^a	Anglers ^b	Days	KS	SS	LS	RS	PS	CS	LT	DV	SH	RT	GR	WF	NP	BB	SM	Other ^c
			Fished																
Anchor River	114	3,395	9,131	573	808	0	17	43	0	0	521	0	0	0	0	0	0	0	0
Deep Creek	56	1,421	3,537	251	1,358	0	0	50	0	0	21	0	0	0	0	0	0	0	0
Kasilof River - Guided Bank Fishing	33	932	1,484	151	105	0	1,419	11	0	0	9	0	0	0	0	0	0	0	0
Kasilof River - Nonguided Bank Fishing	185	6,312	10,812	467	1,051	0	5,027	120	0	0	86	0	0	0	0	0	0	0	26
Kasilof River - Guided Boat Fishing	250	7,309	8,154	2,476	1,074	0	311	21	0	0	17	0	13	0	0	0	0	0	0
Kasilof River - Nonguided Boat Fishing	69	1,828	2,701	586	129	0	1,057	0	0	0	0	0	0	0	0	0	0	0	0
Ninilchik River	40	1,047	2,292	258	356	0	0	50	0	0	9	0	0	0	0	0	0	0	0
Quartz Creek	44	1,267	2,184	0	0	0	0	0	0	0	345	0	0	0	0	0	0	0	0
Resurrection Creek drainage	34	1,533	1,801	0	0	0	29	1,310	34	0	0	0	0	0	0	0	0	0	0
Russian River	697	22,099	47,264	0	4,353	0	37,109	227	0	0	165	0	108	0	0	0	0	0	0
Swanson River	30	1,247	3,922	0	1,348	0	195	77	0	0	10	0	650	0	0	0	0	0	0
Other streams	54	1,560	3,341	34	761	0	516	0	0	12	51	0	81	0	11	0	0	0	0
Crescent Lake	24	765	996	0	0	0	0	0	0	0	0	0	127	606	0	0	0	0	0
Hidden Lake	18	694	1,314	0	0	0	97	0	0	61	0	0	64	0	0	0	0	0	0
Johnson Lake	14	694	856	0	0	0	0	0	0	0	0	0	311	0	0	0	0	0	0
Skilak Lake	15	522	918	0	157	0	13	0	0	16	16	0	0	0	0	0	0	0	0
Kenai Peninsula stocked lakes	58	2,147	6,435	0	0	339	0	0	0	149	151	0	3,278	0	0	0	0	0	0
Other lakes	90	2,853	5,497	0	0	20	0	0	0	178	350	0	1,084	126	22	0	122	0	58
TOTAL	1,825	47,556	112,639	4,796	11,500	359	45,790	1,909	34	416	1,751	0	5,716	732	33	0	122	0	84

Note: Kenai Peninsula (Area P): All freshwater of the Kenai Peninsula bounded on the north by Turnagain Arm including the Granite Creek drainage; on the west by Cook Inlet including Kalgin Island; and on the east by the Placer River drainage, Kenai Lake watershed, and the waters flowing into the Gulf of Alaska west of Gore Point. Does not include the Kenai River main channel.

Note: Refer to Table 2.1 for common names and species abbreviations.

^a Number of household responses.

^b Angler totals may not equal the sum of sites due to some anglers fishing at more than one site.

^c Numbers were reported but species could not be determined, or species were incidental.

Table 2.71.—Kenai Peninsula area standard errors of sport fish freshwater harvest and effort estimates by fisheries and species, 2011.

Area Fished	Days Fished	KS	SS	LS	RS	PS	CS	LT	DV	SH	RT	GR	WF	NP	BB	SM	Other ^a
Anchor River	1,524	163	259	0	18	21	0	0	350	0	0	0	0	0	0	0	0
Deep Creek	770	88	647	0	0	31	0	0	22	0	0	0	0	0	0	0	0
Kasilof River - Guided Bank Fishing	381	61	66	0	846	11	0	0	8	0	0	0	0	0	0	0	0
Kasilof River - Nonguided Bank Fishing	1,277	144	354	0	1,141	87	0	0	37	0	0	0	0	0	0	0	26
Kasilof River - Guided Boat Fishing	643	315	268	0	97	15	0	0	12	0	12	0	0	0	0	0	0
Kasilof River - Nonguided Boat Fishing	472	187	96	0	392	0	0	0	0	0	0	0	0	0	0	0	0
Ninilchik River	527	81	229	0	0	40	0	0	9	0	0	0	0	0	0	0	0
Quartz Creek	545	0	0	0	0	0	0	0	334	0	0	0	0	0	0	0	0
Resurrection Creek drainage	429	0	0	0	21	463	33	0	0	0	0	0	0	0	0	0	0
Russian River	2,840	0	765	0	3,089	109	0	0	62	0	61	0	0	0	0	0	0
Swanson River	896	0	456	0	145	76	0	0	10	0	305	0	0	0	0	0	0
Other streams	716	34	559	0	356	0	0	13	36	0	58	0	11	0	0	0	0
Crescent Lake	272	0	0	0	0	0	0	0	0	0	63	275	0	0	0	0	0
Hidden Lake	446	0	0	0	100	0	0	37	0	0	66	0	0	0	0	0	0
Johnson Lake	304	0	0	0	0	0	0	0	0	0	138	0	0	0	0	0	0
Skilak Lake	318	0	132	0	14	0	0	16	17	0	0	0	0	0	0	0	0
Kenai Peninsula stocked lakes	1,258	0	0	186	0	0	0	156	93	0	1,010	0	0	0	0	0	0
Other lakes	757	0	0	20	0	0	0	94	155	0	348	87	22	0	119	0	59
TOTAL	4,144	456	1,338	187	3,458	501	33	190	541	0	1,142	285	25	0	119	0	64

Note: Kenai Peninsula (Area P): All freshwater of the Kenai Peninsula bounded on the north by Turnagain Arm including the Granite Creek drainage; on the west by Cook Inlet including Kalgin Island; and on the east by the Placer River drainage, Kenai Lake watershed, and the waters flowing into the Gulf of Alaska west of Gore Point. Does not include the Kenai River main channel.

Note: Standard errors were calculated using the bootstrap method. Because the empirical distribution of derived confidence intervals for these estimates is not symmetrical, valid confidence intervals cannot be obtained directly.

Note: Refer to Table 2.1 for common names and species abbreviations.

^a Numbers were reported but species could not be determined, or species were incidental.

Table 2.72.—Kenai Peninsula—Cook Inlet area sport fish saltwater harvest and effort estimates by fisheries for finfish species, 2011.

Area Fished	Resp ^a	Anglers ^b	Days																
			Fished	KSP ^c	KSA ^c	SS	RS	PS	CS	DV	SH	SM	HA	SK	RF	LC	PC	BC	Other ^d
SALTWATER CHARTER BOAT:																			
Cook Inlet North of Bluff and Chinitna Points	856	25,041	28,748	989	319	1,406	1,105	210	84	9	0	239	45,498	0	857	346	1,366	121	27
Kachemak Bay including Bluff Point to Seldovia	468	15,036	16,202	517	341	1,642	355	199	34	0	6	0	23,554	69	2,233	720	1,208	171	149
Lower Cook Inlet West of Gore Point	881	26,736	30,246	1,201	100	3,166	645	319	197	9	6	71	50,867	224	8,242	4,231	2,291	314	164
Unpecified Cook Inlet/Kachemak Bay	4	80	277	0	0	0	0	0	0	0	0	0	101	0	0	0	0	0	0
CHARTER BOAT TOTAL	2,209	64,144	75,473	2,707	760	6,214	2,105	728	315	18	12	310	120,020	293	11,332	5,297	4,865	606	340
SALTWATER NON-CHARTER BOAT:																			
Cook Inlet North of Bluff and Chinitna Points	430	15,530	29,827	1,212	534	810	679	22	0	134	0	857	35,883	12	517	346	933	48	82
Kachemak Bay including Bluff Point to Seldovia	429	15,917	30,928	1,081	1,281	1,409	2,357	772	79	203	0	524	24,210	0	1,686	480	3,911	29	731
Lower Cook Inlet West of Gore Point	271	9,637	20,447	715	268	1,194	112	625	114	22	15	642	23,239	0	3,288	1,354	2,015	12	144
Unpecified Cook Inlet/Kachemak Bay	8	175	485	10	10	19	0	0	0	0	0	0	176	0	24	0	8	0	0
NON-CHARTER BOAT TOTAL	1,138	36,609	81,687	3,018	2,093	3,432	3,148	1,419	193	359	15	2,023	83,508	12	5,515	2,180	6,867	89	957
BOAT TOTAL	3,347	98,030	157,160	5,725	2,853	9,646	5,253	2,147	508	377	27	2,333	203,528	305	16,847	7,477	11,732	695	1,297
SALTWATER SHORELINE:																			
Cook Inlet North of Bluff and Chinitna Points	30	1,031	2,562	74	27	168	692	80	0	0	0	243	0	0	0	0	81	0	1,042
Other Lower Cook Inlet/Kachemak Bay Shore ^e	20	762	2,046	187	0	100	996	0	0	11	0	0	0	0	0	0	40	0	96
Homer Spit (Kachemak Bay)	95	3,637	6,446	418	0	192	31	30	0	32	0	0	0	0	0	0	350	0	339
SALTWATER SHORELINE TOTAL	145	5,238	11,054	679	27	460	1,719	110	0	43	0	243	0	0	0	0	471	0	1,477
GRAND TOTAL	3,492	100,698	168,214	6,404	2,880	10,106	6,972	2,257	508	420	27	2,576	203,528	305	16,847	7,477	12,203	695	2,774

Note: Kenai Peninsula—Cook Inlet (Area P): All saltwater of the Kenai Peninsula and Cook Inlet bounded on the north by Turnagain Arm including the Granite Creek drainage, on the east by the Placer River drainage, and the waters flowing into the Gulf of Alaska west of Gore Point.

Note: Refer to Table 2.1 for common names and species abbreviations.

^a Number of household responses.

^b Angler totals may not equal the sum of sites due to some anglers fishing at more than one site.

^c In Cook Inlet north of Bluff Point, KSP is Chinook salmon harvested prior to June 25 and KSA is Chinook salmon harvested June 25 and after. Elsewhere, KSP is Chinook salmon harvested in summer, and KSA is Chinook salmon harvested in winter.

^d Numbers were reported but species could not be determined, or species were incidental.

^e Excluding Homer Spit.

Table 2.73.—Kenai Peninsula area standard errors of sport fish saltwater harvest and effort estimates by fisheries for finfish species, 2011.

Area Fished	Days Fished	KSP ^a	KSA ^a	SS	RS	PS	CS	DV	SH	SM	HA	SK	RF	LC	PC	BC	Other ^b
SALTWATER CHARTER BOAT:																	
Cook Inlet North of Bluff and Chinitna Points	1,237	178	87	288	373	99	70	8	0	153	1,850	0	283	132	279	68	19
Kachemak Bay including Bluff Point to Seldovia	896	111	120	337	150	69	24	0	6	0	1,463	41	431	175	364	130	106
Lower Cook Inlet West of Gore Point	1,214	229	40	467	428	107	103	9	6	53	2,100	164	1,100	550	440	126	100
Unpecified Cook Inlet/Kachemak Bay	186	0	0	0	0	0	0	0	0	0	76	0	0	0	0	0	0
CHARTER BOAT TOTAL	1,978	307	150	654	599	161	127	12	8	161	3,138	167	1,220	580	643	193	147
SALTWATER NON-CHARTER BOAT:																	
Cook Inlet North of Bluff and Chinitna Points	2,129	212	181	229	301	16	0	91	0	583	2,860	9	270	129	222	38	49
Kachemak Bay including Bluff Point to Seldovia	2,601	246	293	405	735	281	42	79	0	374	1,930	0	379	151	811	22	437
Lower Cook Inlet West of Gore Point	2,143	182	105	292	49	336	93	22	15	621	2,604	0	870	324	624	13	90
Unpecified Cook Inlet/Kachemak Bay	303	10	10	19	0	0	0	0	0	0	75	0	17	0	7	0	0
NON-CHARTER BOAT TOTAL	3,933	376	361	561	816	448	102	123	15	904	4,273	9	952	387	1,040	44	451
BOAT TOTAL	4,221	487	395	854	987	475	164	124	17	913	5,153	167	1,543	692	1,218	202	469
SALTWATER SHORELINE:																	
Cook Inlet North of Bluff and Chinitna Points	766	40	21	99	432	80	0	0	0	241	0	0	0	0	80	0	1,061
Other Lower Cook Inlet/Kachemak Bay Shore ^c	712	169	0	72	690	0	0	11	0	0	0	0	0	0	39	0	74
Homer Spit (Kachemak Bay)	1,070	141	0	86	30	29	0	32	0	0	0	0	0	0	133	0	152
SALTWATER SHORELINE TOTAL	1,491	218	21	147	816	85	0	33	0	241	0	0	0	0	163	0	1,073
GRAND TOTAL	4,414	530	395	872	1329	485	164	128	17	946	5,153	167	1,543	692	1,227	202	1,191

Note: Kenai Peninsula–Cook Inlet (Area P): All saltwater of the Kenai Peninsula and Cook Inlet bounded on the north by Turnagain Arm including the Granite Creek drainage, on the east by the Placer River drainage, and the waters flowing into the Gulf of Alaska west of Gore Point.

Note: Refer to Table 2.1 for common names and species abbreviations.

Note: Standard errors were calculated using the bootstrap method. Because the empirical distribution of derived confidence intervals for these estimates is not symmetrical, valid confidence intervals cannot be obtained directly.

^a In Cook Inlet north of Bluff Point, KSP is Chinook salmon harvested prior to June 25 and KSA is Chinook salmon harvested June 25 and after. Elsewhere, KSP is Chinook salmon harvested in summer, and KSA is Chinook salmon harvested in winter.

^b Numbers were reported but species could not be determined, or species were incidental.

^c Excluding Homer Spit.

Table 2.74.–Kenai Peninsula–Cook Inlet area sport fish harvest and effort estimates by fisheries for shellfish, 2011.

Area Fished	Resp ^a	Anglers ^b	Days Fished	HCL	RCL	Other ^c
Polly Creek/Crescent River Bar	17	497	2,696	254	18,390	0
Other Saltwater Areas West Cook Inlet	10	373	399	29	9,164	0
East Cook Inlet between Anchor Point and Kasilof River	407	15,794	22,964	11,579	403,639	4,177
Kachemak Bay	55	2,257	3,521	21,658	1,219	1,840
Other sites	4	223	256	702	2,791	19
TOTAL	493	18,963	29,836	34,222	435,203	6,036

Note: Kenai Peninsula–Cook Inlet (Area P): All saltwater of the Kenai Peninsula and Cook Inlet bounded on the north by Turnagain Arm including the Granite Creek drainage, on the east by the Placer River drainage, and the waters flowing into the Gulf of Alaska west of Gore Point.

Note: Refer to Table 2.1 for common names and species abbreviations.

^a Number of household anglers.

^b Angler totals may not equal the sum of sites due to some anglers fishing at more than one site.

^c Numbers were reported but species could not be determined, or species were incidental.

Table 2.75.–Kenai Peninsula–Cook Inlet area standard errors of sport fish harvest and effort estimates by fisheries for shellfish, 2011.

Area Fished	Days Fished	HCL	RCL	Other ^a
Polly Creek/Crescent River Bar	2,357	201	6,299	0
Other Saltwater Areas West Cook Inlet	189	28	3,367	0
East Cook Inlet between Anchor Point and Kasilof River	2,345	3,463	30,877	3129
Kachemak Bay	677	4,922	685	1404
Other sites	149	478	2,716	18
TOTAL	3,321	6,034	31,681	3412

Note: Kenai Peninsula–Cook Inlet (Area P) All saltwater of the Kenai Peninsula bounded on the north by Turnagain Arm including the Granite Creek drainage; on the west by Cook Inlet; on the east by the Placer River drainage, and the waters flowing into the Gulf of Alaska west of Gore Point.

Note: Standard errors were calculated using the bootstrap method. Because the empirical distribution of derived confidence intervals for these estimates is not symmetrical, valid confidence intervals cannot be obtained directly.

Note: Refer to Table 2.1 for common names and species abbreviations.

^a Numbers were reported but species could not be determined, or species were incidental.

Table 2.76.—Kodiak area sport fish harvest and effort estimates by fisheries and species, 2011.

Area Fished	Resp ^a	Anglers ^b	Days																		
			Fished	KS	SS	RS	PS	CS	DV	SH	RT	HA	SK	RF	LC	PC	BC	RCL	TC	DC	Other ^c
SALTWATER:																					
Boat - Chiniak Bay	189	5,690	17,139	4,171	5,377	918	1,330	125	224	0	0	9,814	15	9,083	2,445	5,877	291	0	564	320	3,147
Boat - Monashka Bay	19	532	843	33	12	0	82	0	16	0	0	667	0	646	58	608	9	0	88	0	0
Boat - Other roadside sites	4	136	660	0	219	61	141	0	0	0	0	179	0	298	84	84	154	0	0	0	0
Boat - Afognak Lagoon	17	426	1,135	68	347	0	10	17	9	0	0	584	0	541	273	457	69	0	0	0	0
Boat - Afognak Island Area	46	1,105	3,619	316	2,536	492	129	0	0	0	0	1,848	0	1,565	418	646	18	0	148	127	354
Boat - Larsen Bay	16	326	1,229	51	483	0	0	0	0	0	0	870	0	364	46	34	0	0	128	0	0
Boat - Old Harbor	15	357	1,039	415	675	29	82	58	0	0	0	795	0	443	287	763	9	0	0	0	0
Boat - Shuyak area	13	308	837	0	290	67	40	0	0	0	0	759	0	146	275	51	21	0	0	0	0
Boat - Uyak Bay	22	562	1,627	356	1,345	67	11	29	0	0	0	1,255	93	542	107	651	82	0	46	0	0
Boat - Ugak Bay	20	518	1,112	186	446	0	20	0	0	0	0	685	0	690	80	239	62	0	0	16	37
Boat - Other remote sites	48	1,322	3,698	861	1,575	0	65	11	16	0	0	3,048	0	1,046	160	1,244	137	0	230	0	267
Boat - Unspecified	10	253	768	0	0	0	0	0	41	0	0	652	0	147	0	337	19	0	0	0	140
Shoreline - Chiniak Bay	23	613	1,683	0	196	62	945	0	0	0	0	0	0	28	0	0	0	0	0	0	29
Shoreline - Other roadside sites	7	179	368	34	18	101	80	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Shoreline - Remote sites	10	315	1,052	0	216	429	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SALTWATER TOTAL	459	10,852	36,809	6,491	13,735	2,226	2,935	240	306	0	0	21,156	108	15,539	4,233	10,991	871	0	1,204	463	3,974
FRESHWATER:																					
American River	61	1,740	4,601	1,066	710	0	965	0	269	0	0	0	0	0	0	0	0	0	0	0	0
Buskin River	112	3,779	13,879	16	3,640	1,277	1,318	13	697	0	0	0	0	0	0	0	0	0	0	0	34
Olds River	59	1,843	4,421	184	1,351	0	623	0	105	0	0	0	0	0	0	0	0	0	0	0	0
Pasagshak drainage	74	2,066	7,372	0	3,509	1,592	77	0	502	0	0	0	0	0	0	0	0	0	0	0	0
Russian River	12	501	1,233	0	253	29	38	17	0	0	0	0	0	0	0	0	0	0	0	0	0
Saltery Cove drainage	52	1,653	3,947	0	1,301	3,905	107	0	495	0	0	0	0	0	0	0	0	0	0	0	58
Other road system streams	33	1,105	4,212	84	916	481	645	0	32	0	0	0	0	0	0	0	0	0	0	0	0
Karluk lagoon and river below weir	13	271	986	0	521	424	10	0	207	0	0	0	0	0	0	0	0	0	0	0	0
Karluk lake and river above weir	12	280	1,139	0	200	0	0	0	103	6	0	0	0	0	0	0	0	0	0	0	0
Other remote streams	51	972	3,228	85	1,522	922	33	7	775	0	215	0	0	0	0	0	0	0	0	0	0
Unspecified streams	3	92	115	0	48	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Roadside lakes	24	559	2,152	0	399	0	0	0	22	0	193	0	0	0	0	0	0	0	0	0	0
Remote lakes	7	119	335	0	264	67	0	0	21	0	188	0	0	0	0	0	0	0	0	0	0
FRESHWATER TOTAL	513	8,826	47,620	1,435	14,634	8,697	3,816	37	3,228	6	596	0	0	0	0	0	0	0	0	0	92
GRAND TOTAL	972	15,433	84,429	7,926	28,369	10,923	6,751	277	3,534	6	596	21,156	108	15,539	4,233	10,991	871	0	1,204	463	4,066

Note Kodiak (Area Q): All Alaskan waters, including drainages, of the Kodiak and Afognak Island groups including the Trinity Islands.

Note: Refer to Table 2.1 for common names and species abbreviations.

^a Number of household responses.

^b Angler totals may not equal the sum of sites due to some anglers fishing at more than one site.

^c Numbers were reported but species could not be determined, or species were incidental.

Table 2.77.—Kodiak area standard errors of sport fish harvest and effort estimates by fisheries and species, 2011.

Area Fished	Days Fished	KS	SS	RS	PS	CS	DV	SH	RT	HA	SK	RF	LC	PC	BC	RCL	TC	DC	Other ^a
SALTWATER:																			
Boat - Chiniak Bay	2,543	906	1,554	363	434	67	171	0	0	1,123	11	1,227	457	1,346	119	0	525	252	2,293
Boat - Monashka Bay	268	23	13	0	60	0	16	0	0	329	0	300	36	415	9	0	87	0	0
Boat - Other roadside sites	478	0	143	61	140	0	0	0	0	167	0	260	84	84	152	0	0	0	0
Boat - Afognak Lagoon	434	42	201	0	10	17	9	0	0	223	0	234	153	250	49	0	0	0	0
Boat - Afognak Island Area	1,177	106	1,296	316	95	0	0	0	0	428	0	565	218	365	13	0	148	127	340
Boat - Larsen Bay	562	52	224	0	0	0	0	0	0	252	0	158	33	25	0	0	126	0	0
Boat - Old Harbor	307	167	390	30	71	58	0	0	0	312	0	205	220	346	9	0	0	0	0
Boat - Shuyak area	264	0	137	67	40	0	0	0	0	228	0	98	102	36	20	0	0	0	0
Boat - Uyak Bay	437	219	709	47	10	28	0	0	0	333	89	232	65	254	79	0	34	0	0
Boat - Ugak Bay	287	93	244	0	20	0	0	0	0	230	0	290	58	145	61	0	0	16	26
Boat - Other remote sites	725	437	502	0	34	11	15	0	0	828	0	429	68	452	68	0	199	0	259
Boat - Unspecified	314	0	0	0	0	0	42	0	0	266	0	101	0	342	18	0	0	0	100
Shoreline - Chiniak Bay	513	0	108	44	562	0	0	0	0	0	0	27	0	0	0	0	0	0	28
Shoreline - Other roadside sites	174	34	18	99	79	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Shoreline - Remote sites	436	0	120	245	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SALTWATER TOTAL	3,206	1,014	2,315	568	727	96	180	0	0	1,657	90	1,540	607	1,652	236	0	611	282	2,336
FRESHWATER:																			
American River	1,036	674	186	0	395	0	113	0	0	0	0	0	0	0	0	0	0	0	0
Buskin River	1,954	16	714	439	437	13	254	0	0	0	0	0	0	0	0	0	0	0	36
Olds River	742	97	374	0	344	0	59	0	0	0	0	0	0	0	0	0	0	0	0
Pasagshak drainage	1,243	0	840	601	45	0	412	0	0	0	0	0	0	0	0	0	0	0	0
Russian River	440	0	140	29	27	17	0	0	0	0	0	0	0	0	0	0	0	0	0
Saltery Cove drainage	823	0	451	1,144	57	0	216	0	0	0	0	0	0	0	0	0	0	0	56
Other road system streams	1,148	50	328	350	387	0	22	0	0	0	0	0	0	0	0	0	0	0	0
Karluk lagoon and river below weir	400	0	235	279	10	0	206	0	0	0	0	0	0	0	0	0	0	0	0
Karluk lake and river above weir	414	0	108	0	0	0	62	7	0	0	0	0	0	0	0	0	0	0	0
Other remote streams	595	52	443	335	32	7	396	0	108	0	0	0	0	0	0	0	0	0	0
Unspecified streams	73	0	38	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Roadside lakes	575	0	225	0	0	0	23	0	115	0	0	0	0	0	0	0	0	0	0
Remote lakes	154	0	191	69	0	0	21	0	163	0	0	0	0	0	0	0	0	0	0
FRESHWATER TOTAL	3,231	684	1,429	1,446	773	21	724	7	225	0	0	0	0	0	0	0	0	0	66
GRAND TOTAL	4,542	1,218	2,685	1,580	1,053	99	739	7	225	1,657	90	1,540	607	1,652	236	0	611	282	2,337

Note: Kodiak (Area Q): All Alaskan waters, including drainages, of the Kodiak and Afognak Island groups including the Trinity Islands.

Note: Standard errors were calculated using the bootstrap method. Because the empirical distribution of derived confidence intervals for these estimates is not symmetrical, valid confidence intervals cannot be obtained directly.

Note: Refer to Table 2.1 for common names and species abbreviations.

^a Numbers were reported but species could not be determined, or species were incidental.

Table 2.78.—Naknek River/Alaska Peninsula area sport fish harvest and effort estimates by fisheries and species, 2011.

Area Fished	Resp ^a	Anglers ^b	Days Fished	KS	SS	RS	PS	CS	LT	DV	RT	GR	NP	BB	SM	HA	RF	LC	PC	BC	Other ^c
SALTWATER:																					
Boat - Unalaska Bay	17	710	1,759	0	19	26	209	0	0	0	0	0	0	0	0	888	0	0	454	0	0
Boat - Alaska Peninsula	25	631	1,414	17	252	26	0	0	0	480	0	0	0	0	0	896	368	15	604	0	359
Boat - Other	8	222	319	0	161	0	0	0	0	0	0	0	0	0	0	250	0	0	13	0	23
Shoreline	16	384	1,124	0	150	100	67	26	0	337	0	0	0	0	0	0	0	0	0	0	0
SALTWATER TOTAL	66	1,855	4,616	17	582	152	276	26	0	817	0	0	0	0	0	2,034	368	15	1,071	0	382
FRESHWATER:																					
Naknek River above Rapids Camp	63	1,770	5,266	497	397	1,570	0	0	0	205	367	0	14	0	0	0	0	0	0	0	0
Naknek River below Rapids Camp	66	1,754	6,905	1,419	2,251	1,443	50	17	0	64	161	0	19	0	514	0	0	0	0	0	0
Remainder of Naknek River drainage	36	797	2,294	500	231	473	0	0	0	0	61	0	27	0	0	0	0	0	0	0	0
American Creek	40	973	2,672	0	0	0	0	0	0	123	0	0	0	0	0	0	0	0	0	0	0
Brooks River	74	1,750	4,227	0	0	263	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cold Bay Area Freshwater	18	440	1,712	0	703	460	38	48	0	176	0	0	0	0	0	0	0	0	0	0	0
Egegik River and Becharof system	33	660	1,576	40	1,945	135	10	17	23	46	15	0	0	0	0	0	0	0	0	0	0
Ugashik system	26	574	1,844	0	72	670	0	73	429	434	0	0	0	0	385	0	0	0	0	0	0
Other Alaska Peninsula/Aleutian streams	61	1,086	4,479	450	1,189	552	94	96	0	659	0	0	0	0	0	0	0	0	0	0	0
Unspecified streams	3	74	124	0	36	0	0	17	0	0	0	0	0	0	0	0	0	0	0	0	0
Alaska Peninsula/Aleutian lakes	11	209	486	0	0	0	0	0	0	155	101	0	0	0	0	0	0	0	0	0	0
FRESHWATER TOTAL	431	6,765	31,585	2,906	6,824	5,566	192	268	452	1,862	705	0	60	0	899	0	0	0	0	0	0
GRAND TOTAL	497	8,206	36,201	2,923	7,406	5,718	468	294	452	2,679	705	0	60	0	899	2,034	368	15	1,071	0	382

Note: Naknek River/Alaska Peninsula (Area R): All Alaskan waters, including drainages, between Cape Douglas and the community of Naknek; including the Naknek River drainage, and the Aleutian Island chain. Does not include Cape Douglas.

Note: Refer to Table 2.1 for common names and species abbreviations.

^a Number of household responses.

^b Angler totals may not equal the sum of sites due to some anglers fishing at more than one site.

^c Numbers were reported but species could not be determined, or species were incidental.

Table 2.79.—Naknek River/Alaska Peninsula area standard errors of sport fish harvest and effort estimates by fisheries and species, 2011.

Area Fished	Days Fished	KS	SS	RS	PS	CS	LT	DV	RT	GR	NP	BB	SM	HA	RF	LC	PC	BC	Other ^a
SALTWATER:																			
Boat - Unalaska Bay	712	0	19	27	164	0	0	0	0	0	0	0	0	310	0	0	217	0	0
Boat - Alaska Peninsula	357	17	158	26	0	0	0	480	0	0	0	0	0	283	189	15	282	0	259
Boat - Other	128	0	157	0	0	0	0	0	0	0	0	0	0	150	0	0	12	0	22
Shoreline	346	0	102	75	59	28	0	329	0	0	0	0	0	0	0	0	0	0	0
SALTWATER TOTAL	869	17	251	83	172	28	0	578	0	0	0	0	0	455	189	15	362	0	260
FRESHWATER:																			
Naknek River above Rapids Camp	917	187	160	632	0	0	0	144	176	0	14	0	0	0	0	0	0	0	0
Naknek River below Rapids Camp	1,522	358	724	594	40	16	0	63	115	0	19	0	416	0	0	0	0	0	0
Remainder of Naknek River drainage	621	270	142	394	0	0	0	0	60	0	28	0	0	0	0	0	0	0	0
American Creek	745	0	0	0	0	0	0	72	0	0	0	0	0	0	0	0	0	0	0
Brooks River	790	0	0	176	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cold Bay Area Freshwater	558	0	328	449	27	35	0	100	0	0	0	0	0	0	0	0	0	0	0
Egegik River and Becharof system	373	41	864	130	10	16	22	45	15	0	0	0	0	0	0	0	0	0	0
Ugashik system	1,041	0	39	663	0	73	253	242	0	0	0	0	380	0	0	0	0	0	0
Other Alaska Peninsula/Aleutian streams	710	175	350	315	97	95	0	325	0	0	0	0	0	0	0	0	0	0	0
Unspecified streams	85	0	38	0	0	18	0	0	0	0	0	0	0	0	0	0	0	0	0
Alaska Peninsula/Aleutian lakes	185	0	0	0	0	0	0	154	97	0	0	0	0	0	0	0	0	0	0
FRESHWATER TOTAL	2,605	520	1,241	1,297	109	129	254	491	239	0	36	0	576	0	0	0	0	0	0
GRAND TOTAL	2,749	521	1,267	1,301	203	131	254	746	239	0	36	0	576	455	189	15	362	0	260

Note: Naknek River/Alaska Peninsula (Area R): All Alaskan waters, including drainages, between Cape Douglas and the community of Naknek; including the Naknek River drainage, and the Aleutian Island chain.

Note: Standard errors were calculated using the bootstrap method. Because the empirical distribution of derived confidence intervals for these estimates is not symmetrical, valid confidence intervals cannot be obtained directly.

Note: Refer to Table 2.1 for common names and species abbreviations.

^a Numbers were reported but species could not be determined, or species were incidental.

Table 2.80.–Kvichak River drainage area sport fish harvest and effort estimates by fisheries and species, 2011.

Area Fished	Resp ^a	Anglers ^b	Days Fished														
			KS	SS	RS	PS	CS	LT	DV	RT	GR	WF	NP	BB	SM	Other ^c	
Saltwater	2	25	95	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FRESHWATER:																	
Alagnak (Branch) River drainage	87	1,825	5,669	1,317	819	2,082	10	377	403	0	20	0	0	14	0	0	0
Copper River (tributary of Iliamna Lake)	39	998	2,246	0	36	258	0	0	0	0	0	0	0	0	0	0	0
Gibraltar River drainage	17	359	889	0	9	295	0	0	0	384	709	0	449	0	0	0	0
Iliamna River	14	321	1,083	0	0	550	0	0	0	0	11	0	0	0	0	0	0
Kukaklek River	16	377	597	0	45	26	0	0	0	0	0	0	0	0	0	0	0
Kvichak River	73	1,636	6,045	110	1,212	2,100	0	0	0	48	20	49	0	0	0	0	0
Kulik River	36	995	1,750	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Moraine Creek	36	807	1,570	0	0	0	0	0	0	0	0	10	0	0	0	0	0
Lake Clark drainage	23	632	1,586	0	9	203	0	0	385	58	0	96	0	25	0	0	0
Iliamna Lake and tributaries	39	931	2,478	0	117	1,633	0	0	68	115	236	97	0	233	0	0	0
Unspecified streams and lakes	9	283	1,289	0	270	422	0	0	0	0	0	89	0	0	0	0	0
FRESHWATER TOTAL	389	6,196	25,202	1,427	2,517	7,569	10	377	856	605	996	341	449	272	0	0	0
GRAND TOTAL	391	6,221	25,297	1,427	2,517	7,569	10	377	856	605	996	341	449	272	0	0	0

Note Kvichak River drainage (Area S): All lakes and tributaries of the Kvichak River drainage, including Nonvianuk Lake, Kukaklek Lake, Kulik Lake, Lake Iliamna, and Lake Clark.

Note Refer to Table 2.1 for common names and species abbreviations.

^a Number of household responses.

^b Angler totals may not equal the sum of sites due to some anglers fishing at more than one site.

^c Numbers were reported but species could not be determined, or species were incidental.

Table 2.81.–Kvichak River drainage area standard errors of sport fish harvest and effort estimates by fisheries and species, 2011.

Area Fished	Days Fished	KS	SS	RS	PS	CS	LT	DV	RT	GR	WF	NP	BB	SM	Other ^a
Saltwater	68	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FRESHWATER:															
Alagnak (Branch) River drainage	829	451	311	887	10	194	153	0	20	0	0	14	0	0	0
Copper River (tributary of Iliamna Lake)	476	0	36	134	0	0	0	0	0	0	0	0	0	0	0
Gibraltar River drainage	340	0	10	274	0	0	0	324	507	0	458	0	0	0	0
Iliamna River	340	0	0	401	0	0	0	0	11	0	0	0	0	0	0
Kukaklek River	183	0	45	26	0	0	0	0	0	0	0	0	0	0	0
Kvichak River	928	101	322	771	0	0	0	35	21	37	0	0	0	0	0
Kulik River	388	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Moraine Creek	321	0	0	0	0	0	0	0	0	9	0	0	0	0	0
Lake Clark drainage	401	0	9	172	0	0	150	48	0	57	0	20	0	0	0
Iliamna Lake and tributaries	732	0	78	628	0	0	70	68	198	100	0	225	0	0	0
Unspecified streams and lakes	606	0	187	303	0	0	0	0	0	87	0	0	0	0	0
FRESHWATER TOTAL	1,800	464	496	1,469	10	194	227	334	539	147	458	228	0	0	0
GRAND TOTAL	1,801	464	496	1,469	10	194	227	334	539	147	458	228	0	0	0

Note: Kvichak River drainage (Area S): All lakes and tributaries of the Kvichak River drainage, including Nonvianuk Lake, Kukaklek Lake, Kulik Lake, Lake Iliamna, and Lake Clark.

Note: Standard errors were calculated using the bootstrap method. Because the empirical distribution of derived confidence intervals for these estimates is not symmetrical, valid confidence intervals cannot be obtained directly.

Note: Refer to Table 2.1 for common names and species abbreviations.

^a Numbers were reported but species could not be determined, or species were incidental.

Table 2.82.—Nushagak, Wood River and Toagiak area sport fish harvest and estimates by fisheries and species, 2011.

Area Fished	Resp ^a	Anglers ^b	Days															
			Fished	KS	SS	RS	PS	CS	LT	DV	RT	GR	WF	NP	BB	SM	Other ^c	
Saltwater	3	117	134	0	36	0	0	0	0	0	0	0	0	0	0	0	0	0
FRESHWATER:																		
Nushagak River - Black Point upstream to Sonar Site	45	1,272	3,666	1,542	652	26	9	98	0	17	11	27	19	33	0	0	0	0
Nushagak River - Sonar Site to Outlet of Mulchatna R.	53	1,381	5,267	2,541	1,820	329	0	349	0	113	47	77	7	29	0	0	0	0
Nushagak River - upstream from mouth of Mulchatna R.	18	376	955	90	289	0	0	0	0	105	40	98	0	0	0	0	0	0
Other Nushagak River system, excluding Mulchatna	19	488	1,441	589	236	0	0	51	0	0	0	59	0	0	0	0	0	0
Mulchatna River drainage	16	557	1,548	82	127	302	0	30	0	83	96	139	0	14	0	0	0	0
Agulukpak River (Wood River lakes system)	27	696	2,480	22	0	0	0	0	0	48	0	0	0	0	0	0	0	0
Agulowak River (Wood River lakes system)	29	870	2,065	0	100	166	0	0	0	112	67	14	0	14	0	0	0	0
Aleknagik Lake (Wood River lakes system)	17	687	1,723	8	18	77	0	0	0	100	0	18	0	87	0	0	0	0
Wood River	12	451	1,410	0	491	383	0	0	0	97	33	20	6	14	0	635	0	0
Other Wood River lakes system	41	984	6,013	0	529	374	0	0	0	219	0	177	0	257	0	0	0	0
Tikchik-Nuyakuk lake system	25	544	4,255	50	46	0	0	0	37	0	0	0	0	0	0	0	0	0
Togiak River system	57	1,344	4,326	1,438	1,232	145	0	139	0	196	47	29	0	0	0	0	0	0
Kulukak River	13	327	758	135	347	0	0	0	0	27	0	0	0	0	0	0	0	0
Other streams and lakes	15	394	983	32	199	143	0	116	25	0	20	0	0	0	0	0	0	0
FRESHWATER TOTAL	387	6,279	36,890	6,529	6,086	1,945	9	783	62	1,117	361	658	32	448	0	635	0	0
GRAND TOTAL	390	6,279	37,024	6,529	6,122	1,945	9	783	62	1,117	361	658	32	448	0	635	0	0

Note: Nushagak and Togiak Bay drainages (Area T): All lakes and tributaries of the Nushagak River drainage, including the Mulchatna River drainage, the Wood River and Tikchik Lake systems, and waters westward to Cape Newenham.

Note: Refer to Table 2.1 for common names and species abbreviations.

^a Number of household responses.

^b Angler totals may not equal the sum of sites due to some anglers fishing at more than one site.

^c Numbers were reported but species could not be determined, or species were incidental.

Table 2.83.–Nushagak area standard errors of sport fish harvest and effort estimates by fisheries and species, 2011.

Area Fished	Days Fished	KS	SS	RS	PS	CS	LT	DV	RT	GR	WF	NP	BB	SM	Other ^a
Saltwater	86	0	38	0	0	0	0	0	0	0	0	0	0	0	0
FRESHWATER:															
Nushagak River - Black Point upstream to Sonar Site	748	348	319	26	9	56	0	17	11	26	18	32	0	0	0
Nushagak River - Sonar Site to Outlet of Mulchatna R.	1,006	564	643	165	0	237	0	95	28	53	7	29	0	0	0
Nushagak River - upstream from mouth of Mulchatna R.	268	70	150	0	0	0	0	64	39	84	0	0	0	0	0
Other Nushagak River system, excluding Mulchatna	448	255	149	0	0	44	0	0	0	61	0	0	0	0	0
Mulchatna River drainage	443	56	100	164	0	20	0	49	67	73	0	14	0	0	0
Agulukpak River (Wood River lakes system)	1,132	22	0	0	0	0	0	48	0	0	0	0	0	0	0
Agulowak River (Wood River lakes system)	565	0	91	115	0	0	0	78	43	14	0	13	0	0	0
Aleknagik Lake (Wood River lakes system)	582	9	18	76	0	0	0	56	0	18	0	73	0	0	0
Wood River	535	0	241	382	0	0	0	58	24	14	6	14	0	632	0
Other Wood River lakes system	2,882	0	264	328	0	0	0	103	0	87	0	156	0	0	0
Tikchik-Nuyakuk lake system	2,770	36	46	0	0	0	29	0	0	0	0	0	0	0	0
Togiak River system	773	398	456	81	0	89	0	68	28	22	0	0	0	0	0
Kulukak River	333	78	173	0	0	0	0	28	0	0	0	0	0	0	0
Other streams and lakes	413	32	108	100	0	122	25	0	20	0	0	0	0	0	0
FRESHWATER TOTAL	4,488	826	984	580	9	289	36	211	103	172	21	184	0	632	0
GRAND TOTAL	4,490	826	986	580	9	289	36	211	103	172	21	184	0	632	0

Note: Nushagak and Togiak Bay drainages (Area T): All lakes and tributaries of the Nushagak River drainage, including the Mulchatna River drainage, the Wood River and Tikchik Lake systems, and waters westward to Cape Newenham.

Note: Standard errors were calculated using the bootstrap method. Because the empirical distribution of derived confidence intervals for these estimates is not symmetrical, valid confidence intervals cannot be obtained directly.

Note: Refer to Table 2.1 for common names and species abbreviations.

^a Numbers were reported but species could not be determined, or species were incidental.

Table 2.84.—Tanana River drainages sport fish harvest and effort estimates by fisheries and species, 2011.

Area Fished	Resp ^a	Anglers ^b	Days Fished	KS	SS	LS	CS	LT	DV	RT	GR	WF	SF	NP	BB	Other ^c
Lower Chatanika River (downstream of Elliot Hwy)	24	912	1,605	0	0	0	0	0	0	0	120	34	0	26	0	0
Upper Chatanika River (upstream of Elliot Hwy)	25	973	1,796	0	0	0	0	0	0	0	496	0	0	0	0	0
Chena River below dam	67	2,402	6,480	84	0	0	77	0	0	0	0	0	0	23	26	12
Chena River above dam	57	1,992	3,921	0	0	0	0	0	0	0	0	0	0	14	0	0
Delta Clearwater	52	1,794	5,048	0	284	0	0	0	0	0	0	203	0	0	0	0
Goodpaster River	12	460	993	0	0	0	0	0	0	0	71	0	0	35	23	0
Minto Flats	18	688	1,460	0	0	0	0	0	0	0	28	0	16	396	0	0
Nenana drainage (excl. Brushkana and Fish creeks)	20	750	1,714	0	0	0	0	0	0	0	473	0	0	0	85	0
Piledriver Slough	21	620	1,768	0	0	0	0	0	0	143	0	22	0	53	134	0
Salcha River	28	1,069	2,821	256	0	0	0	0	0	0	806	0	0	14	0	0
Lower Tanana River and tributaries	12	451	865	0	0	0	0	0	0	0	14	0	0	43	0	0
Middle Tanana River and tributaries	16	509	2,020	0	0	0	0	0	0	0	99	0	0	0	450	0
Brushkana Creek (Denali Highway)	21	574	758	0	0	0	0	0	0	0	283	0	0	0	0	0
Fish Creek (Denali Highway)	29	839	3,475	0	0	0	0	0	11	0	0	0	0	0	0	0
Tangle Lakes and Tangle River drainage (Denali Highway)	62	2,327	4,478	0	0	0	0	337	0	0	2,031	35	0	0	0	0
Tok and Northway area	16	544	1,011	0	0	0	0	39	0	0	85	0	0	117	36	0
Other streams	32	1,189	2,081	32	0	0	0	39	0	0	337	336	0	55	243	12
Alaska Highway stocked lakes	15	534	780	0	0	0	0	0	0	992	0	0	0	0	0	0
Birch Lake	43	1,953	3,957	0	0	529	0	0	384	1,588	0	0	0	0	0	0
Chena Hot Springs Road ponds	26	1,020	1,514	0	0	0	0	0	0	62	57	0	0	0	0	0
Chena Lakes Recreation Area	36	1,866	2,962	0	0	176	0	0	224	1,974	18	0	0	0	0	0
Eielson Air Force Base lakes	19	414	1,346	0	0	0	0	0	0	0	85	0	0	0	0	0
Harding Lake	16	553	1,540	0	0	0	0	28	154	0	0	0	0	0	15	0
Meadows Road lakes	22	825	2,035	0	0	19	0	0	80	629	41	0	0	0	0	0
Quartz Lake	49	2,068	4,532	0	0	384	0	0	32	1,607	0	0	0	0	0	0
Richardson Highway stocked lakes	26	1,105	1,634	0	0	0	0	0	272	384	0	0	0	0	0	0
Other stocked lakes	22	694	1,243	0	0	0	0	0	32	40	28	0	0	55	0	0
Dune Lake	12	433	704	0	0	119	0	0	0	183	37	0	0	0	0	0
Other lakes	35	1,282	2,837	0	0	0	0	0	0	61	70	11	0	378	12	0
TOTAL	833	19,849	67,378	372	284	1,227	77	443	1,189	7,663	5,179	641	16	1,209	1,024	24

Note: Tanana River drainages (Area U): The entire Tanana River watershed, excluding all portions of the Yukon and Kuskokwim rivers watersheds.

Note: Refer to Table 2.1 for common names and species abbreviations.

^a Number of household responses.

^b Angler totals may not equal the sum of sites due to some anglers fishing at more than one site.

^c Numbers were reported but species could not be determined, or species were incidental.

Table 2.85.—Tanana River drainages standard errors of sport fish harvest and effort estimates by fisheries and species, 2011.

Area Fished	Days Fished	KS	SS	LS	CS	LT	DV	RT	GR	WF	SF	NP	BB	Other ^a
Lower Chatanika River (downstream of Elliot Hwy)	519	0	0	0	0	0	0	0	68	25	0	19	0	0
Upper Chatanika River (upstream of Elliot Hwy)	511	0	0	0	0	0	0	0	246	0	0	0	0	0
Chena River below dam	1,716	54	0	0	56	0	0	0	0	0	0	18	15	11
Chena River above dam	1,078	0	0	0	0	0	0	0	0	0	0	14	0	0
Delta Clearwater	1,321	0	154	0	0	0	0	0	0	168	0	0	0	0
Goodpaster River	416	0	0	0	0	0	0	0	70	0	0	35	18	0
Minto Flats	509	0	0	0	0	0	0	0	28	0	16	175	0	0
Nenana drainage (excl. Brushkana and Fish creeks)	647	0	0	0	0	0	0	0	431	0	0	0	86	0
Piledriver Slough	571	0	0	0	0	0	0	120	0	16	0	38	112	0
Salcha River	772	215	0	0	0	0	0	0	296	0	0	13	0	0
Lower Tanana River and tributaries	319	0	0	0	0	0	0	0	14	0	0	33	0	0
Middle Tanana River and tributaries	898	0	0	0	0	0	0	0	75	0	0	0	247	0
Brushkana Creek (Denali Highway)	191	0	0	0	0	0	0	0	157	0	0	0	0	0
Fish Creek (Denali Highway)	2,118	0	0	0	0	0	11	0	0	0	0	0	0	0
Tangle Lakes and Tangle River drainage (Denali Highway)	907	0	0	0	0	167	0	0	734	34	0	0	0	0
Tok and Northway area	362	0	0	0	0	39	0	0	86	0	0	78	37	0
Other streams	527	22	0	0	0	39	0	0	148	340	0	55	133	11
Alaska Highway stocked lakes	224	0	0	0	0	0	0	460	0	0	0	0	0	0
Birch Lake	1,084	0	0	203	0	0	244	530	0	0	0	0	0	0
Chena Hot Springs Road ponds	361	0	0	0	0	0	0	46	44	0	0	0	0	0
Chena Lakes Recreation Area	785	0	0	121	0	0	169	1,148	18	0	0	0	0	0
Eielson Air Force Base lakes	478	0	0	0	0	0	0	0	84	0	0	0	0	0
Harding Lake	515	0	0	0	0	20	75	0	0	0	0	0	15	0
Meadows Road lakes	554	0	0	19	0	0	56	267	30	0	0	0	0	0
Quartz Lake	1,020	0	0	139	0	0	23	525	0	0	0	0	0	0
Richardson Highway stocked lakes	403	0	0	0	0	0	124	229	0	0	0	0	0	0
Other stocked lakes	328	0	0	0	0	0	24	28	27	0	0	34	0	0
Dune Lake	253	0	0	65	0	0	0	74	22	0	0	0	0	0
Other lakes	883	0	0	0	0	0	0	58	47	11	0	148	12	0
TOTAL	4,475	224	154	277	56	176	333	1,462	976	386	16	266	312	16

Note: Tanana River drainages (Area U): The entire Tanana River watershed, excluding all portions of the Yukon and Kuskokwim rivers watersheds.

Note: Standard errors were calculated using the bootstrap method. Because the empirical distribution of derived confidence intervals for these estimates is not symmetrical, valid confidence intervals cannot be obtained directly.

Note: Refer to Table 2.1 for common names and species abbreviations.

^a Numbers were reported but species could not be determined, or species were incidental.

Table 2.86.—Kuskokwim River-Kuskokwim Bay drainages sport fish harvest and effort estimates by fisheries and species, 2011.

Area Fished	Resp ^a	Anglers ^b	Days																
			Fished	KS	SS	RS	PS	CS	LT	DV	RT	GR	WF	SF	NP	BB	SM	HA	Other ^c
Shoreline	1	74	74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FRESHWATER:																			
Kuskokwim River Drainages above Aniak River:																			
Holitna River drainage	17	506	2,673	318	298	26	0	0	0	108	0	159	0	39	27	0	0	0	0
Other Kuskokwim River drainages above Aniak River	19	599	2,090	193	168	58	0	68	0	38	0	420	36	44	74	0	0	0	0
Total Kuskokwim River drainages above Aniak River	36	1,019	4,763	511	466	84	0	68	0	146	0	579	36	83	101	0	0	0	0
Kuskokwim River Drainages below Aniak River:																			
Aniak River drainage	22	413	1,715	51	173	0	0	15	0	72	0	7	0	12	0	0	0	0	0
Kisaralik River	17	382	2,417	17	257	14	0	0	0	128	0	0	0	0	0	0	0	0	0
Kuskokwim River drainages below Aniak River	1	25	57	0	0	0	0	0	0	32	0	0	0	0	0	0	0	0	0
Total Kuskokwim River drainages below Aniak River	40	820	4,189	68	430	14	0	15	0	232	0	7	0	12	0	0	0	0	0
Kuskokwim Bay Drainages:																			
Arolik River drainage	14	359	1,431	34	306	0	0	0	12	124	0	9	0	0	0	0	0	0	0
Goodnews River drainage	29	666	3,064	51	733	135	0	0	0	161	0	0	12	0	0	0	0	0	0
Kanektok River drainage	53	1,172	7,235	891	981	429	0	271	12	498	13	0	0	0	0	0	0	0	0
Total Kuskokwim Bay drainages	96	2,000	11,730	976	2,020	564	0	271	24	783	13	9	12	0	0	0	0	0	0
Other streams and lakes	20	459	1,385	178	797	0	0	0	0	70	0	118	22	19	146	0	0	0	0
FRESHWATER TOTAL	192	4,098	22,067	1,733	3,713	662	0	354	24	1,231	13	713	70	114	247	0	0	0	0
TOTAL	193	4,172	22,141	1,733	3,713	662	0	354	24	1,231	13	713	70	114	247	0	0	0	0

Note: Kuskokwim-River -Kuskokwim Bay drainages (Area V): The Kuskokwim River drainage and all waters flowing into Kuskokwim Bay; adjacent saltwater from Cape Newenham north to the Naskonat Peninsula (north of Nelson Island). Does not include the Yukon, Tanana, or Koyukuk River drainages.

Note: Refer to Table 2.1 for common names and species abbreviations.

^a Number of household responses.

^a Angler totals may not equal the sum of sites due to some anglers fishing at more than one site.

^b Numbers were reported but species could not be determined, or species were incidental.

Table 2.87.—Kuskokwim River-Kuskokwim Bay drainages standard errors of sport fish harvest and effort estimates by fisheries and species, 2011.

Area Fished	Days Fished	KS	SS	RS	PS	CS	LT	DV	RT	GR	WF	SF	NP	BB	SM	HA	Other ^a
Shoreline	77	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FRESHWATER:																	
Kuskokwim River Drainages above Aniak River:																	
Holitna River drainage	1,118	185	167	27	0	0	0	62	0	90	0	23	27	0	0	0	0
Other Kuskokwim River drainages above Aniak River	1,012	126	90	55	0	46	0	26	0	192	27	25	44	0	0	0	0
Total Kuskokwim River drainages above Aniak River	1,496	226	189	61	0	46	0	68	0	212	27	34	52	0	0	0	0
Kuskokwim River Drainages below Aniak River:																	
Aniak River drainage	447	39	101	0	0	15	0	55	0	7	0	12	0	0	0	0	0
Kisaralik River	680	18	107	15	0	0	0	68	0	0	0	0	0	0	0	0	0
Kuskokwim River drainages below Aniak River	59	0	0	0	0	0	0	33	0	0	0	0	0	0	0	0	0
Total Kuskokwim River drainages below Aniak River	805	43	148	15	0	15	0	93	0	7	0	12	0	0	0	0	0
Kuskokwim Bay Drainages:																	
Arolik River drainage	420	33	232	0	0	0	13	65	0	9	0	0	0	0	0	0	0
Goodnews River drainage	719	39	217	82	0	0	0	59	0	0	13	0	0	0	0	0	0
Kanektok River drainage	1,365	363	294	254	0	107	13	208	14	0	0	0	0	0	0	0	0
Total Kuskokwim Bay drainages	1,547	365	432	267	0	107	18	228	14	9	13	0	0	0	0	0	0
Other streams and lakes	374	166	311	0	0	0	0	53	0	72	22	19	88	0	0	0	0
FRESHWATER TOTAL	2,303	460	587	274	0	119	18	257	14	223	37	41	102	0	0	0	0
TOTAL	2,303	460	587	274	0	119	18	257	14	223	37	41	102	0	0	0	0

Note: Kuskokwim-River -Kuskokwim Bay drainages (Area V): The Kuskokwim River drainage and all waters flowing into Kuskokwim Bay; adjacent saltwater from Cape Newenham north to the Naskonat Peninsula (north of Nelson Island). Does not include the Yukon, Tanana, or Koyukuk River drainages.

Note: Standard errors were calculated using the bootstrap method. Because the empirical distribution of derived confidence intervals for these estimates is not symmetrical, valid confidence intervals cannot be obtained directly.

Note: Refer to Table 2.1 for common names and species abbreviations.

^a Numbers were reported but species could not be determined, or species were incidental.

Table 2.88.—Seward Peninsula-Norton Sound drainages sport fish harvest and effort estimates by fisheries and species, 2011.

Area Fished	Resp ^a	Anglers ^b	Days Fished	KS	SS	RS	PS	CS	DV	GR	WF	SF	NP	BB	SM	HA	KC	Other ^c
Saltwater	1	50	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FRESHWATER:																		
Fish and Niukluk river drainages	13	347	4,738	0	700	0	10	29	1,631	1,342	0	0	0	122	0	0	0	0
Unalakleet River drainage	36	1,063	3,926	53	2,493	0	391	77	2,219	10	0	0	0	0	0	0	0	0
Other streams	38	712	2,676	8	389	58	165	33	191	46	0	0	0	0	0	0	0	0
FRESHWATER TOTAL	87	2,079	11,340	61	3,582	58	566	139	4,041	1,398	0	0	0	122	0	0	0	0
GRAND TOTAL	88	2,128	11,390	61	3,582	58	566	139	4,041	1,398	0	0	0	122	0	0	0	0

Note: Seward Peninsula-Norton Sound drainages (Area W): All waters north of the Yukon River drainage, including all saltwater north and west of Pastol Bay in Norton Sound; and south of the Selawik River drainage. Does not include the Selawik River.

Note: Refer to Table 2.1 for common names and species abbreviations.

^a Number of household responses.

^b Angler totals may not equal the sum of sites due to some anglers fishing at more than one site.

^c Numbers were reported but species could not be determined, or species were incidental.

Table 2.89.—Seward Peninsula-Norton Sound drainages standard errors of sport fish harvest and effort estimates by fisheries and species, 2011.

Area Fished	Days Fished	KS	SS	RS	PS	CS	DV	GR	WF	SF	NP	BB	SM	HA	KC	Other ^a
Saltwater	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FRESHWATER:																
Fish and Niukluk river drainages	3,485	0	470	0	10	29	1,526	1,021	0	0	0	116	0	0	0	0
Unalakleet River drainage	978	46	644	0	231	42	1,688	10	0	0	0	0	0	0	0	0
Other streams	613	9	213	47	108	33	162	34	0	0	0	0	0	0	0	0
FRESHWATER TOTAL	3,621	47	810	47	250	61	2,324	1,023	0	0	0	116	0	0	0	0
GRAND TOTAL	3,623	47	810	47	250	61	2,324	1,023	0	0	0	116	0	0	0	0

Note: Seward Peninsula-Norton Sound drainages (Area W): All waters north of the Yukon River drainage, including all saltwater north and west of Pastol Bay in Norton Sound; and south of the Selawik River drainage. Does not include the Selawik River.

Note: Standard errors were calculated using the bootstrap method. Because the empirical distribution of derived confidence intervals for these estimates is not symmetrical, valid confidence intervals cannot be obtained directly.

Note: Refer to Table 2.1 for common names and species abbreviations.

^a Numbers were reported but species could not be determined, or species were incidental.

Table 2.90.—Northwest Alaska drainages sport fish harvest and effort estimates by fisheries and species, 2011.

Area Fished	Resp ^a	Anglers ^b	Days Fished	KS	SS	RS	PS	CS	LT	DV	GR	WF	SF	NP	BB	SM	Other ^c
Saltwater	2	124	140	0	0	0	0	0	0	0	0	0	128	0	0	0	0
FRESHWATER:																	
Kobuk River drainage	12	316	613	0	0	0	0	0	0	16	183	8	257	66	0	0	0
Noatak River drainage	17	624	3,002	0	140	0	0	625	0	503	238	0	0	68	0	0	0
Other streams	10	217	908	0	21	0	0	0	0	346	65	0	0	0	0	0	0
FRESHWATER TOTAL	39	1,058	4,523	0	161	0	0	625	0	865	486	8	257	134	0	0	0
GRAND TOTAL	41	1,157	4,663	0	161	0	0	625	0	865	486	8	385	134	0	0	0

Note: Northwest Alaska drainages (Area X): Kotzebue area including drainages of Selawik, Kobuk, Noatak, Wulik, and Kivalina rivers. All saltwater in the northern half of Kotzebue Sound to and including Point Hope.

Note: Refer to Table 2.1 for common names and species abbreviations.

^a Number of household responses.

^b Angler totals may not equal the sum of sites due to some anglers fishing at more than one site.

^c Numbers were reported but species could not be determined, or species were incidental.

Table 2.91.—Northwest Alaska drainages standard errors of sport fish harvest and effort estimates by fisheries and species, 2011.

Area Fished	Days Fished	KS	SS	RS	PS	CS	LT	DV	GR	WF	SF	NP	BB	SM	Other ^a
Saltwater	118	0	0	0	0	0	0	0	0	0	101	0	0	0	0
FRESHWATER:															
Kobuk River drainage	206	0	0	0	0	0	0	16	118	8	134	46	0	0	0
Noatak River drainage	2,001	0	136	0	0	336	0	344	156	0	0	69	0	0	0
Other streams	412	0	20	0	0	0	0	177	48	0	0	0	0	0	0
FRESHWATER TOTAL	2,066	0	137	0	0	336	0	383	201	8	134	82	0	0	0
GRAND TOTAL	2,067	0	137	0	0	336	0	383	201	8	169	82	0	0	0

Note: Northwest Alaska drainages (Area X): Kotzebue area including drainages of Selawik, Kobuk, Noatak, Wulik, and Kivalina rivers. All saltwater in the northern half of Kotzebue Sound to and including Point Hope.

Note: Standard errors were calculated using the bootstrap method. Because the empirical distribution of derived confidence intervals for these estimates is not symmetrical, valid confidence intervals cannot be obtained directly.

Note: Refer to Table 2.1 for common names and species abbreviations.

^a Numbers were reported but species could not be determined, or species were incidental.

Table 2.92.–Yukon River drainages sport fish harvest and effort estimates by fisheries and species, 2011.

Area Fished	Resp ^a	Anglers ^b	Days Fished	Days Fished														
				KS	SS	RS	PS	CS	LT	DV	GR	WF	SF	NP	BB	SM	HA	Other ^c
Yukon River drainages below Koyukuk River	15	389	5,402	102	167	0	0	203	0	11	82	0	0	7	0	0	0	0
Yukon River Drainages (Koyukuk River to Fort Yukon):																		
Streams and lakes accessed from Dalton Highway	13	322	731	0	12	0	0	0	68	0	236	0	0	0	0	0	0	0
Yukon River drainages - Fort Yukon to Koyukuk River	53	1,702	3,424	0	0	0	0	14	56	0	355	112	118	423	168	0	0	0
Total Yukon River drainages (Koyukuk River to Fort Yukon)	66	2,024	4,155	0	12	0	0	14	124	0	591	112	118	423	168	0	0	0
Yukon River drainages above Fort Yukon	12	237	734	0	0	0	0	0	0	0	234	0	0	0	0	0	0	0
TOTAL	93	2,648	10,291	102	179	0	0	217	124	11	907	112	118	430	168	0	0	0

Note: Yukon River drainages (Area Y): All Yukon River drainages (including the Alaska portion of the White River drainage but excluding the Tanana River drainage), from the south side of the Brooks Range to the Bering Sea; and from the Canadian border to the Bering Sea; and all drainages of the Koyukuk River and Alatna rivers.

Note: Refer to Table 2.1 for common names and species abbreviations.

^a Number of household responses.

^b Angler totals may not equal the sum of sites due to some anglers fishing at more than one site.

^c Numbers were reported but species could not be determined, or species were incidental.

Table 2.93.–Yukon River drainages standard errors of sport fish harvest and effort estimates by fisheries and species, 2011.

Area Fished	Days Fished	KS	SS	RS	PS	CS	LT	DV	GR	WF	SF	NP	BB	SM	HA	Other ^a
Yukon River drainages below Koyukuk River	3,822	63	147	0	0	145	0	11	45	0	0	7	0	0	0	0
Yukon River Drainages (Koyukuk River to Fort Yukon):																
Streams and lakes accessed from Dalton Highway	224	0	12	0	0	0	64	0	126	0	0	0	0	0	0	0
Yukon River drainages - Fort Yukon to Koyukuk River	593	0	0	0	0	14	42	0	176	113	64	159	100	0	0	0
Total Yukon River drainages (Koyukuk River to Fort Yukon)	638	0	12	0	0	14	76	0	212	113	64	159	100	0	0	0
Yukon River drainages above Fort Yukon	248	0	0	0	0	0	0	0	124	0	0	0	0	0	0	0
TOTAL	3,912	63	147	0	0	145	76	11	249	113	64	159	100	0	0	0

Note: Yukon River drainages (Area Y): All Yukon River drainages (including the Alaska portion of the White River drainage but excluding the Tanana River drainage), from the south side of the Brooks Range to the Bering Sea; and from the Canadian border to the Bering Sea; and all drainages of the Koyukuk River and Alatna rivers.

Note: Standard errors were calculated using the bootstrap method. Because the empirical distribution of derived confidence intervals for these estimates is not symmetrical, valid confidence intervals cannot be obtained directly.

Note: Refer to Table 2.1 for common names and species abbreviations.

^a Numbers were reported but species could not be determined, or species were incidental.

Table 2.94.—North Slope Brooks Range drainages sport fish harvest and effort estimates by fisheries and species, 2010.

Area Fished	Resp ^a	Anglers ^b	Days Fished	KS	PS	CS	LT	DV	GR	WF	NP	BB	SM	Other ^c
Dalton Highway streams	18	515	1,746	0	0	0	0	207	156	0	0	0	0	0
Other streams	13	300	958	0	0	0	0	123	148	0	14	12	0	0
Lakes	4	117	227	0	0	0	0	9	16	0	0	0	0	0
TOTAL	35	882	2,931	0	0	0	0	339	320	0	14	12	0	0

Note: North Slope Brooks Range drainages (Area Z): All Alaskan waters, including drainages, north of the Brooks Range and flowing into the Beaufort and Chukchi seas to the north and east of Point Hope. Does not include Point Hope.

Note: Refer to Table 2.1 for common names and species abbreviations.

^a Number of household responses.

^b Angler totals may not equal the sum of sites due to some anglers fishing at more than one site.

^c Numbers were reported but species could not be determined, or species were incidental.

Table 2.95.—North Slope Brooks Range drainages standard errors of sport fish harvest and effort estimates by fisheries and species, 2011.

Area Fished	Days Fished	KS	PS	CS	LT	DV	GR	WF	NP	BB	SM	Other ^a
Dalton Highway streams	625	0	0	0	0	108	117	0	0	0	0	0
Other streams	357	0	0	0	0	78	71	0	14	13	0	0
Lakes	129	0	0	0	0	9	11	0	0	0	0	0
TOTAL	723	0	0	0	0	136	139	0	14	13	0	0

Note: North Slope Brooks Range drainages (Area Z): All Alaskan waters, including drainages, north of the Brooks Range and flowing into the Beaufort and Chukchi seas to the north and east of Point Hope. Does not include Point Hope.

Note: Standard errors were calculated using the bootstrap method. Because the empirical distribution of derived confidence intervals for these estimates is not symmetrical, valid confidence intervals cannot be obtained directly.

Note: Refer to Table 2.1 for common names and species abbreviations.

^a Numbers were reported but species could not be determined, or species were incidental.

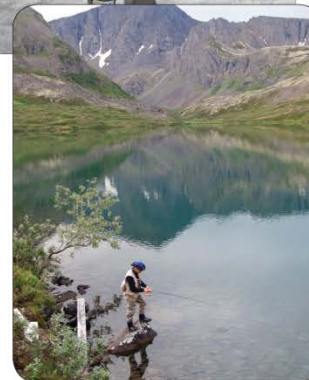
APPENDIX A. QUESTIONNAIRES AND REMINDERS

2011 Alaska Sport Fishing Survey

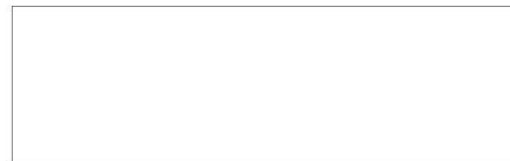
We are interested in your household's Alaska sport fishing activities in 2011. Even if no one in your household fished in 2011, please answer the questions on page 3.

Use the Mapsite Booklet to identify fishing sites.

Please do not include subsistence fishing.



Alaska Department of Fish and Game
Division of Sport Fish (RTS)
333 Raspberry Road
Anchorage AK 99518
(907) 267-2280



INSTRUCTIONS

Period covered: January 1 through December 31, 2011.

What if your household did not sport fish in 2011? Answer the questions on page 3 and return the survey in the postage-paid envelope so we avoid mailing you additional 2011 surveys.

What if your household did sport fish in 2011?

- Answer the questions on page 3.
- Use the Mapsite booklet to identify fishing sites. Complete the pages in this booklet that cover the types of fishing done by you or your household members.
- Return the survey in the postage-paid envelope.

Who to include: Report your household's sport fishing only. A "household" is defined as all people sharing a principal place of residence. If you are the beneficiary (the one who keeps the fish) of a proxy, report that fishing activity as part of your household.

Who to exclude: Do not report fishing by visitors to your home, even if they are family members. Do not report fishing by people renting (subletting) within a home. Do not report fish caught while proxy fishing for someone outside your household.

What to include: Report all your household sport, shellfish and personal use fishing information. Record **saltwater** and **freshwater** fishing on the appropriate pages; see the listings below.

What to exclude: Do not report commercially caught or subsistence caught fish. A sport fishing guide should not report client information.

SPORT ANGLERS LIVING OUTSIDE OF THE UNITED STATES: The postage permit that we have for return mail is valid only within the United States. Because the survey helps us to offer world-class fishing experiences for all anglers, we ask that you return the survey by supplying your own postage.

Still have questions? If you have questions about this survey, please call (907) 267-2280 or contact us via e-mail at: dfg.dsf.publications@alaska.gov

WHERE TO RECORD YOUR SPORT FISHING ACTIVITIES

SECTIONS	Page
KENAI, KASILOF, and RUSSIAN RIVER FRESHWATER FISHING	6
COOK INLET and KACHEMAK BAY SALTWATER FISHING	7
SALTWATER SPORT FISHING, other than Cook Inlet and Kachemak Bay	8-9
FRESHWATER SPORT FISHING, other than Kenai, Kasilof, and Russian rivers	10-11
SHELLFISH	12
PERSONAL USE SALMON DIPNETTING	12

PLEASE COMPLETE THIS SURVEY BOOKLET, AND RETURN IT IN THE ENCLOSED ENVELOPE

We mail up to 2 reminders to those who do not respond. You can help reduce costs by replying promptly.

The Alaska Department of Fish and Game administers all programs and activities free from discrimination based on race, color, national origin, age, sex, religion, marital status, pregnancy, parenthood, or disability. The department administers all programs and activities in compliance with Title VI of the Civil Rights Act of 1964, Section 504 of the Rehabilitation Act of 1973, Title II of the Americans with Disabilities Act of 1990, the Age Discrimination Act of 1975, and Title IX of the Education Amendments of 1972. If you believe you have been discriminated against in any program, activity, or facility, or if you desire further information please write to ADF&G, ADA Coordinator, P.O. Box 115526, Juneau, AK 99811-5526; U.S. Fish and Wildlife Service, 4401 N. Fairfax Drive, MS-2042, Arlington, VA 22203 or O.E.O., U.S. Department of the Interior, 1849 C Street Washington DC 20240. The department's ADA Coordinator can be reached via phone at the following numbers: (VOICE) 907-465-8077, (Statewide Telecommunications Device for the Deaf) 1-800-478-3648, (Juneau TDD) 907-465-3648, or (FAX) 907-465-8078. For questions on this publication, please contact ADF&G, Division of Sport Fish RTS, 333 Raspberry Road, Anchorage AK 99518 (907)-267-2280.

GENERAL QUESTIONS

The questions below apply to people in your household who obtained a 2011 Alaska Sport Fishing License:

- 1A. How many people in your household obtained a 2011 Alaska sport fishing license? _____
- 1B. How many people recorded in 1A (above) sport fished in Alaska in 2011? _____

The questions below apply to people in your household who are under 16 or have a PID/DAV Alaska Sport Fishing License:

- 2A. How many people in your household under 16 years of age sport fished in Alaska in 2011? _____
- 2B. An Alaska resident 60 years of age and older, or an Alaska resident disabled veteran (DAV) qualifies for a permanent identification card (PID) for Alaska sport fishing. How many people in your household have a permanent identification card, including those who did not sport fish in Alaska? _____
- 2C. How many people recorded in 2B (above) sport fished in Alaska in 2011? _____

The question below applies to all people in your household and the 2011 sport fishing season:

3. How many total people in your household sport fished in Alaska during 2011? _____

Please provide comments on sport fishing in Alaska during 2011:

DEFINITIONS

Chartered/Guided: A guide/charter provides assistance to a sport fish angler to take or attempt to take fish by accompanying or physically directing the angler in sport fishing activities during any part of a fishing trip. The guide/charter performs this service for compensation, or with the intent to receive compensation. However, a person who provides only transportation services (including air) or rents out vessels or skiffs without directing your fishing activities is not considered a guide or charter operator.

Household: A household is defined as all people sharing a principal place of residence. This **excludes** persons renting (subletting) within a home, or relatives that live in separate homes. For example, a person paying rent for your basement apartment is not part of your household, nor is your visiting son or daughter. Record only harvest for household members.

Personal use: Personal use fisheries (example; salmon dipnetting), are designated by the Alaska Board of Fisheries for specific areas and gear types, and are allowed only in these legally defined areas. These fisheries require an **Alaska resident** sport fishing license or Alaska Department of Fish and Game Permanent Identification card for participation, and are distinguished by the requirement that the harvest must be for personal use only. These fisheries are only open to Alaska residents.

Subsistence Fisheries: Subsistence fisheries are legally defined rural fisheries for community residents and their household only, and are based on customary and traditional use of the resource. Do not report subsistence harvest in this survey, as the Division of Sport Fish does not manage these fisheries.

How to Complete this Survey

Step 1 **Complete Page 3, even if no one in your household fished.**

Page 3

In 2011, did you or members of your household...

Step 2 ...fish freshwater on the **KENAI/KASLOF/RUSSIAN RIVER** or saltwater in **COOK INLET/KACHEMAK BAY**?

Yes

Yes

Step 3 ...fish **SALTWATER** any place other than Cook Inlet or Kachemak Bay?

Yes

Step 4 ...fish **FRESHWATER** any place other than Kenai/Kasilof/Russian River?

Step 5 ...gather **SHELLFISH** or go dipnetting in a **PERSONAL USE** fishery area?

Yes

Step 6



Please return the survey in the envelope provided. Thank you for your time and effort.

Page 6

Page 7

Page 8

Page 9

Page 10

Page 11

Page 12

MAPSITE BOOKLET
Maps, Area Descriptions, and Fish Size Categories

EXAMPLE OF HOW TO RECORD YOUR HOUSEHOLD'S 2011 SPORT FISHING

- 1 ▶ **Sections:** Use the chart on page 4 to identify the pages to complete based on your household's 2011 sport fishing activities. Do not combine saltwater and freshwater fishing on one line or page.
- 2 ▶ **Site Name:** Write the name of each site where you fished. Names of some commonly fished sites are provided in the *Mapsites* booklet included in this packet. If you cannot locate a fishing site in the *Mapsites* booklet, please write the area code letter and the name of the location. **Kenai/Kasilof/ Russian rivers** and **Cook Inlet/Kachemak Bay** have pages specifically designed for recording fishing at these sites: you will find them on pages 6-7.
- 3 ▶ **Area Code Letter:** The *Mapsites* booklet divides Alaska into areas labeled A through Z, each identified by a major area or drainage. Use the *Mapsites* booklet to determine the area code letter for each of your fishing locations and write it in the column marked *Area Code Letter*.
- 4 ▶ **Site Number:** The *Mapsites* booklet lists the names and site numbers of many commonly fished sites in Alaska. Determine the site number for each location fished, and write it in the *Site Number* column. If you do not find your site in the *Mapsites* booklet, please record the *Area Code Letter* and the fishing site name (or a brief description) in the *Site Name* column.
- 5 ▶ **Fishery Type:** For **Saltwater** or **Freshwater** pages, mark whether you fished from a boat or from the shore/bank. If you fished from both a boat and on the shore/bank at the same location, check both boxes.
- 6 ▶ **Number of Household Anglers:** Record how many anglers in your household fished at this site.
- 7 ▶ **Number of Household Trips:** Record the number of trips made to this site (a trip, which may last one or more days, is a visit to a fishing location).
- 8 ▶ **Sum of each Household Angler's Days Fished:** Add up the TOTAL number of days each household member fished at this site. Count any part of a day as a whole day. If two or more anglers fished the same day, include that day in each angler's sum. Then total all anglers' days for that site.
- 9 ▶ **Caught and Kept:** A fish caught is one landed; a fish kept is one harvested. While it can be difficult to remember exactly all fish caught, please make your best estimation.

EXAMPLE: A husband and wife made 3 fishing trips to ABC Lake in their canoe. The man then fished alone on 1 additional trip to the site. In this example, the **number of household anglers** would be 2. The **number of trips** would be 4 (together they took 3, followed by 1 trip by the man alone). The **sum of each angler's days fished** would be 7; the sum of the trip they made together (3 days times 2 anglers) and the 1 day that the man fished alone. They **caught** a total of 4 silver salmon, and **kept** 3.

The household survey recipient should record these trips with the following information:

Number of Household Anglers = 2 (the husband and wife)
 Number of Household Trips = 4 (3 by the couple together, and 1 by the man alone)
 Sum of Each Household Angler's Days Fished = 7 total
 (4 by the husband and 3 by the wife).

FRESHWATER SPORT FISHING

1 ▶ Freshwater Fishing Sites	See Mapsite Booklet		Caught from		6 ▼ No. of Household Anglers	7 ▼ No. of Household Trips	8 ▼ Sum of Each Household Angler's Days Fished	King Salmon Large*		King Salmon Small*		Land-locked Kings, Silvers		9 ▼ Silver (Coho) Salmon		Red (Sockeye) Salmon		Pink Salmon		Chum Salmon		
	3 ▼ Area Code Letter	4 ▼ Site Number	5 ▼ BOAT	SHORE				C A U G H T	K E E P T	C A U G H T	K E E P T	C A U G H T	K E E P T	C A U G H T	K E E P T	C A U G H T	K E E P T	C A U G H T	K E E P T			
2 ▶ Site Name																						

FRESHWATER GUIDED — You paid to be personally directed or accompanied in your fishing activities

<i>Example: ABC Lake</i>	X	999	√	2	4	7	EXAMPLE			4	3											
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KENAI, KASILOF and RUSSIAN RIVER FRESHWATER

See Mapsite Booklet Page 16

Number of Household Anglers who fished. Do not include visiting friends, relatives, or other party members outside your household.
 Number of Household Trips (a trip, which may last one or more days, is a visit to a fishing site).
 Sum of Each Household Angler's Days Fished. Count any part of a day as one whole day. If 2 or more anglers fish the same day, include that day in each angler's sum.
 Example: 2 household anglers fished the same day. One angler returned a second day, and fished again at the same site.
 Sum of Each Household Angler's Days Fished would equal 3.
DO NOT INCLUDE FISH HARVESTED UNDER SUBSISTENCE REGULATIONS.

GUIDED SPORT FISHING <i>Guided means you paid to be accompanied or personally directed on your fishing trip</i>	No. of Household Anglers	No. of Household Trips	Sum of Each Household Angler's Days Fished	King Salmon through June 30	King Salmon after June 30	Silver Salmon through August 31	Silver Salmon after August 31	Red Salmon through July 15	Red Salmon after July 15	Pink Salmon	Chum Salmon	Dolly Varden/ Arctic Char	Rainbow Trout	Steel-head Trout	Northern Pike	Smelt	Other (Specify)		
				C A U G H T	K E P T	C A U G H T	K E P T	C A U G H T	K E P T	C A U G H T	K E P T	C A U G H T	K E P T	C A U G H T	K E P T	C A U G H T	K E P T	C A U G H T	K E P T
1 Kenai River - Cook Inlet to Soldotna Bridge																			
2 Kenai River - Soldotna Bridge to Moose River																			
3 Kenai River - Moose River to Skilak Outlet																			
4 Kenai River - Skilak Inlet to Kenai Lake																			
500 Kasilof River Bank Fishing																			
600 Kasilof River Boat Fishing																			
9 Russian River*																			
NONGUIDED SPORT FISHING <i>Nonguided means you did not pay to be accompanied or personally directed on your fishing trip</i>	No. of Household Anglers	No. of Household Trips	Sum of Each Household Angler's Days Fished	King Salmon through June 30	King Salmon after June 30	Silver Salmon through August 31	Silver Salmon after August 31	Red Salmon through July 15	Red Salmon after July 15	Pink Salmon	Chum Salmon	Dolly Varden/ Arctic Char	Rainbow Trout	Steel-head Trout	Northern Pike	Smelt	Other (Specify)		
				C A U G H T	K E P T	C A U G H T	K E P T	C A U G H T	K E P T	C A U G H T	K E P T	C A U G H T	K E P T	C A U G H T	K E P T	C A U G H T	K E P T	C A U G H T	K E P T
1 Kenai River - Cook Inlet to Soldotna Bridge																			
2 Kenai River - Soldotna Bridge to Moose River																			
3 Kenai River - Moose River to Skilak Outlet																			
4 Kenai River - Skilak Inlet to Kenai Lake																			
500 Kasilof River Bank Fishing																			
600 Kasilof River Boat Fishing																			
9 Russian River*																			

* Include all fishing in the 1,800 yard section of the Kenai River immediately downstream from the Russian River.

COOK INLET and KACHEMAK BAY SALTWATER

See Mapsite Booklet Page 15

Number of Household Anglers who fished. Do not include visiting friends, relatives, or other party members outside your household.
 Number of Household Trips (a trip, which may last one or more days, is a visit to a fishing site).
 Sum of Each Household Angler's Days Fished. Count any part of a day as one whole day. If 2 or more anglers fish the same day, include that day in each angler's sum.
 Example: 2 household anglers fished the same day. One angler returned a second day, and fished again at the same site. Sum of Each Household Angler's Days Fished would equal 3.
DO NOT INCLUDE FISH HARVESTED UNDER SUBSISTENCE REGULATIONS.

P6 SALTWATER CHARTER <i>Charter (guided) means you paid to be accompanied or personally directed on your fishing trip</i>	No. of Household Anglers	No. of Household Trips	Sum of Each Household Angler's Days Fished	King Salmon through June 24	King Salmon after June 24	King Salmon Summer Fishery*	King Salmon Winter Fishery**	Silver (Coho) Salmon	Red (Sockeye) Salmon	Pink Salmon	Chum Salmon	Dolly Varden/Arctic Char	Steelhead Trout	Smelt	Halibut	Shark	Rockfish	Lingcod	Sablefish (Black Cod)	Pacific Cod	Other (specify)	
				CAUGHT KEPT	CAUGHT KEPT	CAUGHT KEPT	CAUGHT KEPT	CAUGHT KEPT	CAUGHT KEPT	CAUGHT KEPT	CAUGHT KEPT	CAUGHT KEPT	CAUGHT KEPT	CAUGHT KEPT	CAUGHT KEPT	CAUGHT KEPT	CAUGHT KEPT	CAUGHT KEPT	CAUGHT KEPT	CAUGHT KEPT	CAUGHT KEPT	CAUGHT KEPT
980 Upper Cook Inlet north of Bluff and Chinitna Points, including saltwaters by Anchor River, Whiskey Gulch, Deep Creek and Ninilchik River (boat)																						
952 Lower Cook Inlet west of Gore Point not including Kachemak Bay (boat)																						
796 Kachemak Bay from Bluff Point to Seldovia (boat)																						
P1 SALTWATER NONCHARTER <i>Noncharter (nonguided) means you did not pay to be accompanied or personally directed on your fishing trip</i>	No. of Household Anglers	No. of Household Trips	Sum of Each Household Angler's Days Fished	King Salmon through June 24	King Salmon after June 24	King Salmon Summer Fishery*	King Salmon Winter Fishery**	Silver (Coho) Salmon	Red (Sockeye) Salmon	Pink Salmon	Chum Salmon	Dolly Varden/Arctic Char	Steelhead Trout	Smelt	Halibut	Shark	Rockfish	Lingcod	Sablefish (Black Cod)	Pacific Cod	Other (specify)	
CAUGHT KEPT				CAUGHT KEPT	CAUGHT KEPT	CAUGHT KEPT	CAUGHT KEPT	CAUGHT KEPT	CAUGHT KEPT	CAUGHT KEPT	CAUGHT KEPT	CAUGHT KEPT	CAUGHT KEPT	CAUGHT KEPT	CAUGHT KEPT	CAUGHT KEPT	CAUGHT KEPT	CAUGHT KEPT	CAUGHT KEPT	CAUGHT KEPT	CAUGHT KEPT	CAUGHT KEPT
980 Upper Cook Inlet north of Bluff and Chinitna Points, including saltwaters by Anchor River, Whiskey Gulch, Deep Creek and Ninilchik River (boat)																						
981 Upper Cook Inlet fishing from the shore (specify)																						
952 Lower Cook Inlet west of Gore Point not including Kachemak Bay (boat)																						
796 Kachemak Bay from Bluff Point to Seldovia (boat)																						
823 Homer Spit (fishing from shore on the Spit)																						
991 Other Lower Cook Inlet and Kachemak Bay fishing from the shore (specify)																						

* Summer king salmon fishery occurs April 1 through September 30.
 ** Winter king salmon fishery occurs January 1 through March 31 and October 1 through December 31.

SALTWATER SPORT FISHING

Go to Page 7 for Cook Inlet/Kachemak Bay saltwater
Go to Page 12 for shellfish

Number of Household Anglers who fished. Do not include visiting friends, relatives, or other party members outside your household.
Number of Household Trips (a trip, which may last one or more days, is a visit to a fishing site).
Sum of Each Household Angler's Days Fished. Count any part of a day as one whole day.
If multiple household anglers fish the same day, include that day in each angler's sum.
Example: In the example below, 2 household anglers fished the same day. One angler returned a second day, and fished again at the same site. Sum of Each Household Angler's Days Fished would equal 3.
DO NOT INCLUDE FISH HARVESTED UNDER SUBSISTENCE REGULATIONS

Saltwater Fishing Sites	See Mapsite Booklet		Caught from		No. of Household Anglers	No. of Household Trips	Sum of Each Household Angler's Days Fished	King Salmon Large ¹		King Salmon Small ¹		Silver (Coho) Salmon		Red (Sockeye) Salmon		Pink Salmon		Chum Salmon		Row No.	
	Area Code Letter	Site Number	BOAT	SHORE				C	A	U	G	H	T	C	A	U	G	H	T		C

Record additional saltwater species on Page 9

SALTWATER CHARTER — You paid to be personally directed or accompanied during your fishing trip

Example: ABC Inlet	X	999	√		2	2	3					4	2								Example
1																					1
2																					2
3																					3
4																					4
5																					5
6																					6
7																					7
8																					8

SALTWATER NONCHARTER — You did not pay to be personally directed or accompanied during your fishing trip

9																					9
10																					10
11																					11
12																					12
13																					13
14																					14
15																					15
16																					16
17																					17
18																					18
19																					19

*Saltwater King Salmon Size Categories:
In Area Code Letters A-H "Large" are king salmon 28 inches and over, "Small" are king salmon less than 28 inches
In Area Code Letters I-Z, "Large" are king salmon 20 inches and over, "Small" are king salmon less than 20 inches

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SALTWATER SPORT FISHING

Continued from page 8

Go to Page 7 for Cook Inlet/Kachemak Bay saltwater
Go to Page 12 for shellfish

Row No.	Halibut		Rockfish		Lingcod		Sablefish (Black Cod)		Pacific Cod		Steelhead Trout		Dolly Varden/ Arctic Char		Cutthroat Trout		Smelt		Shark		Other Fish (Specify)				
	C	A	C	A	C	A	C	A	C	A	C	A	C	A	C	A	C	A	C	A	Other Fish Name		C	A	K
	A	U	A	U	A	U	A	U	A	U	A	U	A	U	A	U	A	U	A	U	A	U	A	U	K
	G	H	G	H	G	H	G	H	G	H	G	H	G	H	G	H	G	H	G	H	G	H	G	H	T

SALTWATER CHARTER — You paid to be personally directed or accompanied in your fishing activities

Example (Continued)	2	2	2	1	2	1							Example								Example: Kelp Greenling	2	1
1																							
2																							
3																							
4																							
5																							
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FRESHWATER SPORT FISHING

Go to page 6 for Kenai/ Kasilof/ Russian river fishing
 Go to page 12 for Personal Use salmon dipnetting

Number of Household Anglers who fished. Do not include visiting friends, relatives, or other party members outside your household.
 Number of Household Trips (a trip, which may last one or more days, is a visit to a fishing site).
 Sum of Each Household Angler's Days Fished. Count any part of a day as one whole day.
 If multiple household anglers fish the same day, include that day in each angler's sum.
 Example: In the example below, 2 household anglers fished the same day. One angler returned a second day, and fished again at the same site. Sum of Each Household Angler's Days Fished would equal 3.
DO NOT INCLUDE FISH HARVESTED UNDER SUBSISTENCE REGULATIONS.

Record additional freshwater species on Page 11

Freshwater Fishing Sites	See Mapsite Booklet		Caught from		No. of Household Anglers	No. of Household Trips	Sum of Each Household Angler's Days Fished	King Salmon Large*		King Salmon Small*		Land-locked Kings, Silvers		Silver (Coho) Salmon		Red (Sockeye) Salmon		Pink Salmon		Chum Salmon		Row No.
	Area Code Letter	Site Number	BOAT	SHORE				CAUGHT	KEPT	CAUGHT	KEPT	CAUGHT	KEPT	CAUGHT	KEPT	CAUGHT	KEPT	CAUGHT	KEPT	CAUGHT	KEPT	

FRESHWATER GUIDED — You paid to be personally directed or accompanied in your fishing activities

Example: ABC Lake	X	999	√		2	2	3						4	2									Example →
1																							1
2																							2
3																							3 →
4																							4
5																							5
6																							6 →
7																							7
8																							8

FRESHWATER NONGUIDED — You did not pay to be personally directed or accompanied in your fishing activities

9																							9
10																							10
11																							11
12																							12
13																							13 →
14																							14
15																							15
16																							16 →
17																							17
18																							18
19																							19

*Freshwater King Salmon Size Categories:
 In Area Code Letters A-G, "Large" are king salmon 28 inches and over, "Small" are king salmon less than 28 inches.
 In Area Code Letters H-Z, "Large" are king salmon 20 inches and over, "Small" are king salmon less than 20 inches.

SHELLFISH Crabs, Clams, and Shrimp

Number of Household Anglers who fished. Do not include visiting friends, relatives, or other party members outside your household.


Number of Household Trips (a trip, which may last one or more days, is a visit to a fishing site).

Sum of Each Household Angler's Days Fished. Count any part of a day as one whole day. If 2 or more anglers fish the same day, include that day in each angler's sum. Example: 2 household anglers fished the same day. One angler returned a second day, and fished again at the same site. Sum of Each Household Angler's Days Fished would equal 3.

DO NOT INCLUDE FISH HARVESTED UNDER SUBSISTENCE REGULATIONS


Fishing Sites		See Mapsite Booklet		No. of Household Anglers	No. of Household Trips	Sum of Each Household Angler's Days Fished	Razor Clams (numbers)	Hardshell Clams (numbers)	Shrimp (gallons)	King Crab	Dungeness Crab	Tanner Crab	Other Shellfish (Specify)	
Site Name	Area Code Letter	Site Number	KEPT				KEPT	KEPT	C A U G H T	K E P T	C A U G H T	K E P T	C A U G H T	K E P T
<i>Example: ABC Beach</i>	<i>X</i>	<i>999</i>	<i>2</i>	<i>2</i>	<i>2</i>	<i>20</i>	<i>15</i>	<i>2</i>					<i>E x a m p l e</i>	

RAZOR CLAMS




Razor Clams have long, narrow, smooth shells that can grow to longer than 7 inches. The shells are covered with a thin tissue-like layer that varies in color from brown to yellowish-brown depending upon the clam size. In older clams the tissue covering is usually eroded. The shells are thin and the shell edges sharp.

HARDSHELL CLAMS



The littleneck clam shells are usually white, but may be brown or have brown markings. The shells have concentric growth rings and distinct vertical ridges. Littleneck clams are about 2 inches long.



The butter clam shell is thick and white. It has heavy concentric growth rings, but no vertical ridges. The shell's inner edge is smooth. Butter clams are 3 to 5 inches long.

PERSONAL USE SALMON DIPNETTING (Alaska Residents Only)

Number of Household Anglers who fished. Do not include visiting friends, relatives, or other party members outside your household.

Number of Household Trips (a trip, which may last one or more days, is a visit to a fishing site).

Sum of Each Household Angler's Days Fished. Count any part of a day as one whole day. If 2 or more anglers fish the same day, include that day in each angler's sum. Example: 2 household anglers fished the same day. One angler returned a second day, and fished again at the same site. Sum of Each Household Angler's Days Fished would equal 3.

DO NOT INCLUDE FISH HARVESTED UNDER SUBSISTENCE REGULATIONS

Fishing Sites		See Mapsite Booklet		No. of Household Anglers	No. of Household Trips	Sum of Each Household Angler's Days Fished	King Salmon	Silver (Coho) Salmon	Red (Sockeye) Salmon	Pink Salmon	Chum Salmon	Other (Specify)
Site Name	Area Code Letter	Site Number	KEPT				KEPT	KEPT	KEPT	KEPT	KEPT	KEPT
<i>Example: ABC River</i>	<i>X</i>	<i>999</i>	<i>2</i>	<i>2</i>	<i>2</i>		<i>1</i>	<i>15</i>	<i>E x a m p l e</i>			

STATE OF ALASKA



DEPARTMENT OF FISH AND GAME

DIVISION OF SPORT FISH

SEAN PARNELL, GOVERNOR

*Research & Technical Services
333 Raspberry Road
Anchorage, AK 99518-1599
PHONE: (907) 267-2280
FAX: (907) 267-2422*

Dear Alaska Angler,

You have been selected to receive a 2011 Alaska Sport Fishing Survey. We conduct this survey every year to measure where sport fishing occurs and how many fish are caught and kept by sport anglers in Alaska. This information is essential to our ongoing efforts to preserve and improve Alaska's sport fisheries.

Please help us maintain sport fishing opportunities in Alaska by doing your best to remember and record your household's 2011 freshwater and saltwater sport fishing activity in the enclosed survey booklet, and then return the booklet using the postage-paid envelope. Even if you and other members of your household did not get a chance to go fishing in 2011, we ask that you please complete the General Questions on page 3 of the questionnaire and return the survey to us because we need to hear from all survey recipients.

While the tables and maps may make the survey look a bit complicated, for most people there are only a few sections that must be completed to report a household's sport fishing information. Please accept the full-color listing of common Alaska fresh and salt water species as a small token of thanks for your time.

This survey is voluntary. However, we hope you will take a few minutes to report your 2011 sport fishing activities. Your answers to the survey are completely confidential and will only be used to produce summaries in which no individual answers are identified.

If you have any questions or comments about this study, we would be glad to hear from you. You can contact us by phone at (907) 267-2280 by email at dfg.dsf.publications@alaska.gov.

The results of the 2011 Alaska Sport Fishing Survey will be available in the fall of 2012. If you are interested in seeing the results of previous years' surveys, visit the Alaska Fishing Survey website at: <http://www.adfg.alaska.gov/sf/sportfishingsurvey/>

Thank you very much for helping with this important study.

Sincerely,



Charles O. Swanton, Director

STATE OF ALASKA



DEPARTMENT OF FISH AND GAME

DIVISION OF SPORT FISH

SEAN PARNELL, GOVERNOR

*Research & Technical Services
333 Raspberry Road
Anchorage, AK 99518-1599
PHONE: (907) 267-2280
FAX: (907) 267-2422*

Dear Alaska Angler,

A few weeks ago we sent you a **2011 Alaska Sport Fishing Survey**. We conduct this survey every year to measure where fishing occurs and how many fish are caught and kept by sport anglers in Alaska. This information is essential to our ongoing efforts to maintain and improve Alaska's sport fisheries.

Information about your 2011 sport fishing is very valuable to this study because you have been randomly chosen to represent many other sport anglers in Alaska. However, we have yet to receive your completed survey.

Please take a few minutes to recollect **your household's** 2011 sport fishing activity, record it in the enclosed survey booklet, and return the booklet using the postage-paid envelope. Your answers to the survey are completely confidential and will only be used to produce summaries in which no individual answers are identified.

While the tables and maps may make the survey look a bit complicated, for most people there are only a few sections that must be completed to report a household's sport fishing information. **If you and other members of your household did not get a chance to go fishing in 2011, we ask that you please complete the General Questions on page 3 of the questionnaire**, and return the survey to us.

Please accept the full-color listing of common Alaska fresh and salt water species as a small token of thanks for your effort.

If you have any questions or comments about this study, we would be glad to hear from you. You can contact us by phone at (907) 267-2280 or by email at dfg.dsf.publications@alaska.gov.

The results of the 2011 Alaska Sport Fishing Survey will be available in fall of 2012. If you are interested in seeing the results of previous years' surveys, visit the Sport Fishing Survey website: <http://www.adfg.alaska.gov/sf/sportfishingsurvey/>

Thank you for your willingness to help us maintain and improve Alaska's sport fisheries.

Sincerely,



Charles O. Swanton, Director

Appendix A3.–Second reminder for Alaska sport fishing surveys, 2011.

STATE OF ALASKA



DEPARTMENT OF FISH AND GAME

DIVISION OF SPORT FISH

SEAN PARNELL, GOVERNOR

Research & Technical Services
333 Raspberry Road.
Anchorage, AK 99518-1599
PHONE: (907) 267-2280
FAX: (907) 267-2422

Dear Alaska Angler,

At this time of year, we realize that your 2011 fishing experiences may be becoming a distant memory. We are, however, requesting your help by asking that you complete the **2011 Alaska Sport Fishing Survey**. Over the past few months we have sent you copies of the survey, but we have not received a reply.

This survey is mailed annually to about 10% of Alaska sportfishing license holders. The information gained helps the Alaska Department of Fish and Game determine where anglers fished and how many fish they caught and kept within Alaska's sport fisheries. The results are used for sport fisheries planning and management purposes, and by anglers planning for the best sport fishing experience.

The study is drawing to a close, and this is the last contact that will be made in this year's survey. Hearing from everyone who was mailed a survey helps assure that the results are as accurate as possible. **If you and other members of your household did not get a chance to go fishing in 2011, we ask that you please complete the General Questions on page 3 of the questionnaire**, and return the survey to us.

Your answers to the survey are completely confidential and will only be used to produce summaries in which no individual answers are identified.

If you have already returned your completed form, please disregard this letter and accept our thanks.

If you have any questions or comments about this study, we would be glad to hear from you. You can contact us by phone at (907) 267-2280, or by email at dfg.dsf.publications@alaska.gov.

The results of the 2011 Alaska Sport Fishing Survey will be available in fall of 2012. If you are interested in seeing the results of previous years' surveys, visit the Fishing Survey website: <http://www.adfg.alaska.gov/sf/sportfishingsurvey/>

Thank you for your willingness to help us maintain and improve Alaska's sport fisheries.

Sincerely,



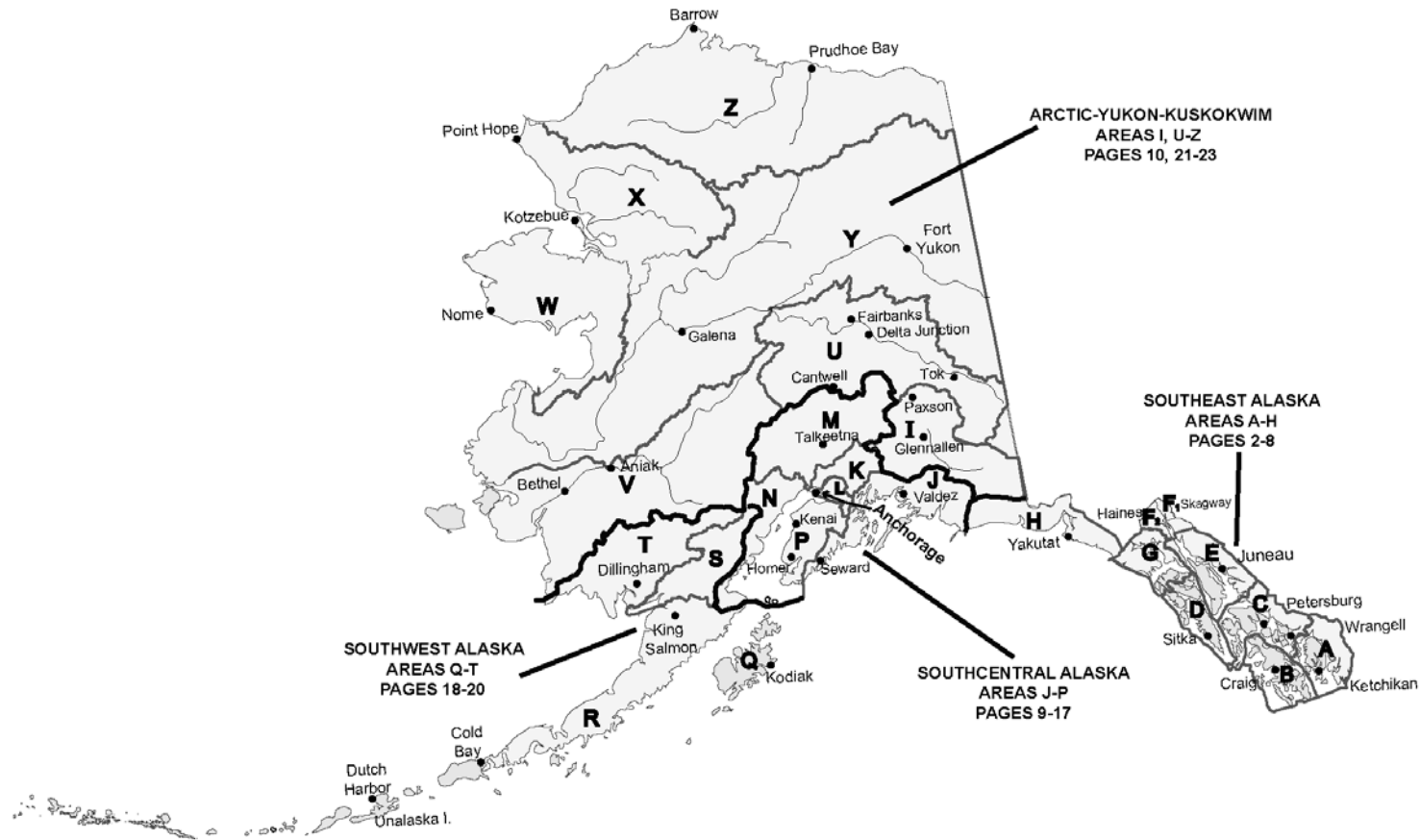
Charles O. Swanton, Director

Appendix A4.—Third reminder for Alaska sport fishing surveys, 2011.

MAPSITE BOOKLET

Maps, Area Descriptions, and Fish Size Categories

Use the map below to find the pages that apply to your household's sport fishing in 2011



Appendix A5.—Alaska sport fishing survey Mapsite booklet, 2011.

A KETCHIKAN AREA

Saltwater

No.	Site Name
1	East and West Behm canals
1008	Terminal Harvest Areas near Ketchikan ^a
5	Yes Bay
6	Bell Island
728	Mountain Point
730	Carroll Inlet
736	Herring Cove
9991	Other boat sites (specify)
9992	Other shoreline sites (specify)

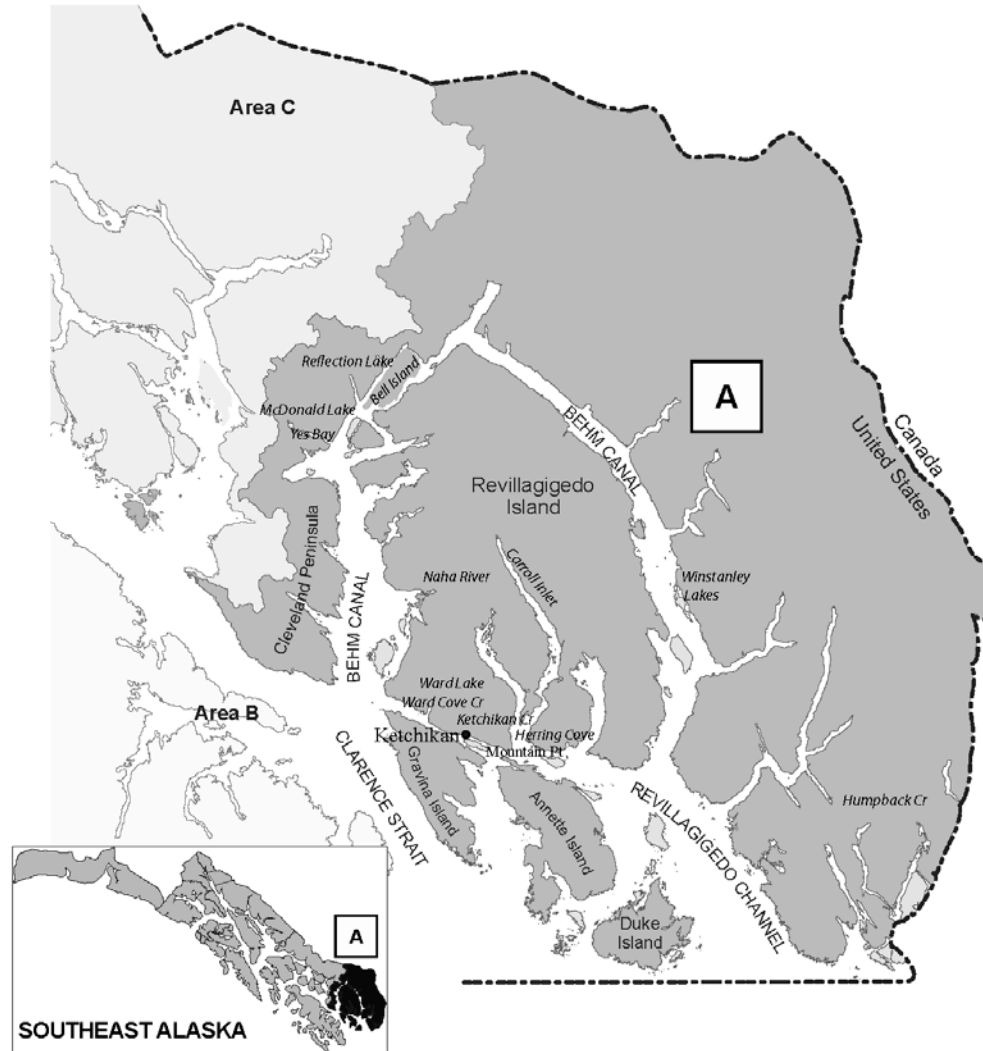
Freshwater

No.	Site Name
10	Ward Cove Creek
9	Naha River
214	Ketchikan Creek
134	Humpback Creek
165	Reflection Lake
180	Ward Lake
200	McDonald Lake drainage
187	Winstanley lakes
9994	Other streams (specify)
9993	Other lakes (specify)

^a Includes the Neets Bay and Mountain Point terminal harvest areas.

A terminal harvest area is where associated boundaries and liberalized harvest limits or methods and means are established by emergency order.

Fish Size Categories
 AREA A KING SALMON
 "Large" are 28 inches and over;
 "Small" are less than 28 inches.



B PRINCE OF WALES ISLAND AREA

Saltwater

No.	Site Name
736	Waterfall Bay
1008	Eastside Prince of Wales Island
1010	Westside Prince of Wales Island
1055	Neck Lake Outlet fishery (located in the Whale Passage area)
9991	Other saltwater (specify)

Freshwater

No.	Site Name
216	Big Creek (108 Creek)
115	Black Bear Creek
120	Eagle Creek
124	Harris River
3	Karta River
219	Kegan System (stream, lake)
5	Klawock River
191	Salmon Bay Creek
243	Salmon Lake
220	Sarkar System (stream, lake)
158	Staney Creek
218	Sweetwater System (stream, lake)
217	Thorne System (stream, lake)
9994	Other streams (specify)
9993	Other lakes (specify)



Fish Size Categories
 AREA B KING SALMON
 "Large" are 28 inches and over;
 "Small" are less than 28 inches.

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C KAKE, PETERSBURG, WRANGELL, STIKINE AREA

Saltwater

No.	Site Name
728	Frederick Sound (near Petersburg)
1	Terminal Harvest Area near Petersburg ^a
720	Wrangell Narrows
758	Thomas Bay
906	Rest of Petersburg area
3	Greys Pass/Banana Point
794	Sumner Strait from Strait Island to Greys Pass ^b
798	Snow Passage
908	Wrangell area
776	Kake area
907	Petersburg road system
909	Wrangell road system
9991	Other saltwater (specify)

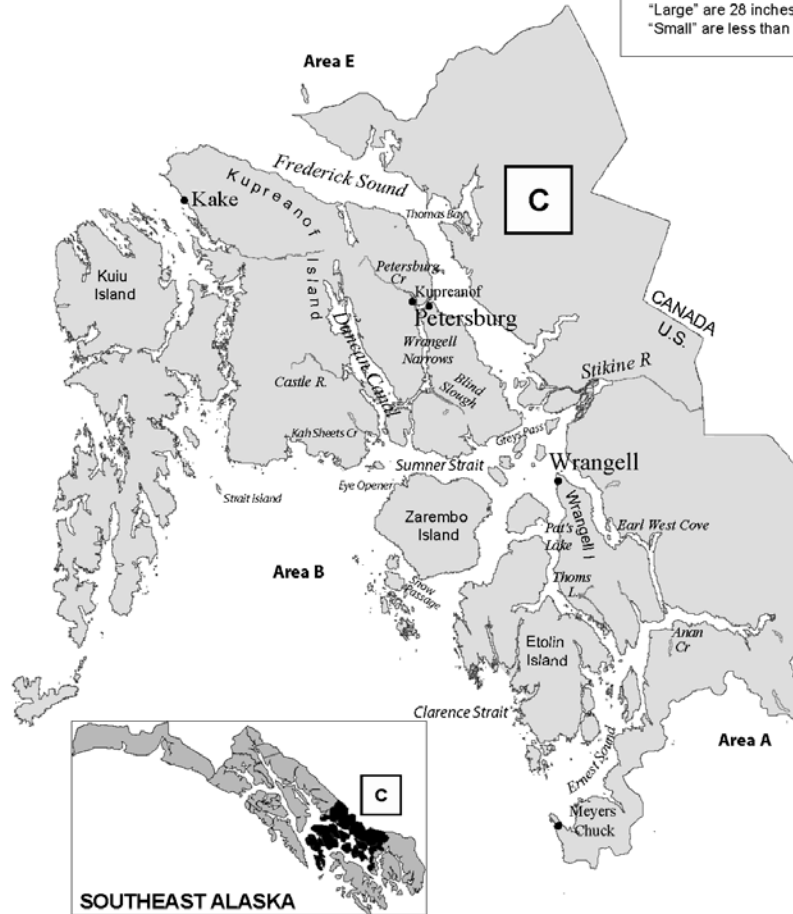
Freshwater

No.	Site Name
9	Anan Creek
5	Blind Slough (in Wrangell Narrows)
8	Castle River
147	Kah Sheets Creek
202	Pat's Lake (Trout Lake)
10	Petersburg Creek
175	Stikine River
216	Thoms Creek and Lake
9994	Other streams (specify)
9993	Other lakes (specify)

^a Described as that portion of Wrangell Narrows, south of 56° 46'N. latitude (Martinsen's Dock) and north of the latitude of the northern tip of Woowodski Island. A terminal harvest area is where associated boundaries and liberalized harvest limits or methods and means are established by emergency order.

^b Waters adjacent to South Mitkof Island shore (Woodpecker Cove, Station Island), Zarembo Island (Bah Harbor, Craig Pt.) and South Kupreanof Island (Kah Sheets Bay, Level islands, and Eye Opener).

Fish Size Categories
 AREA C KING SALMON
 "Large" are 28 inches and over;
 "Small" are less than 28 inches.



D SITKA AREA

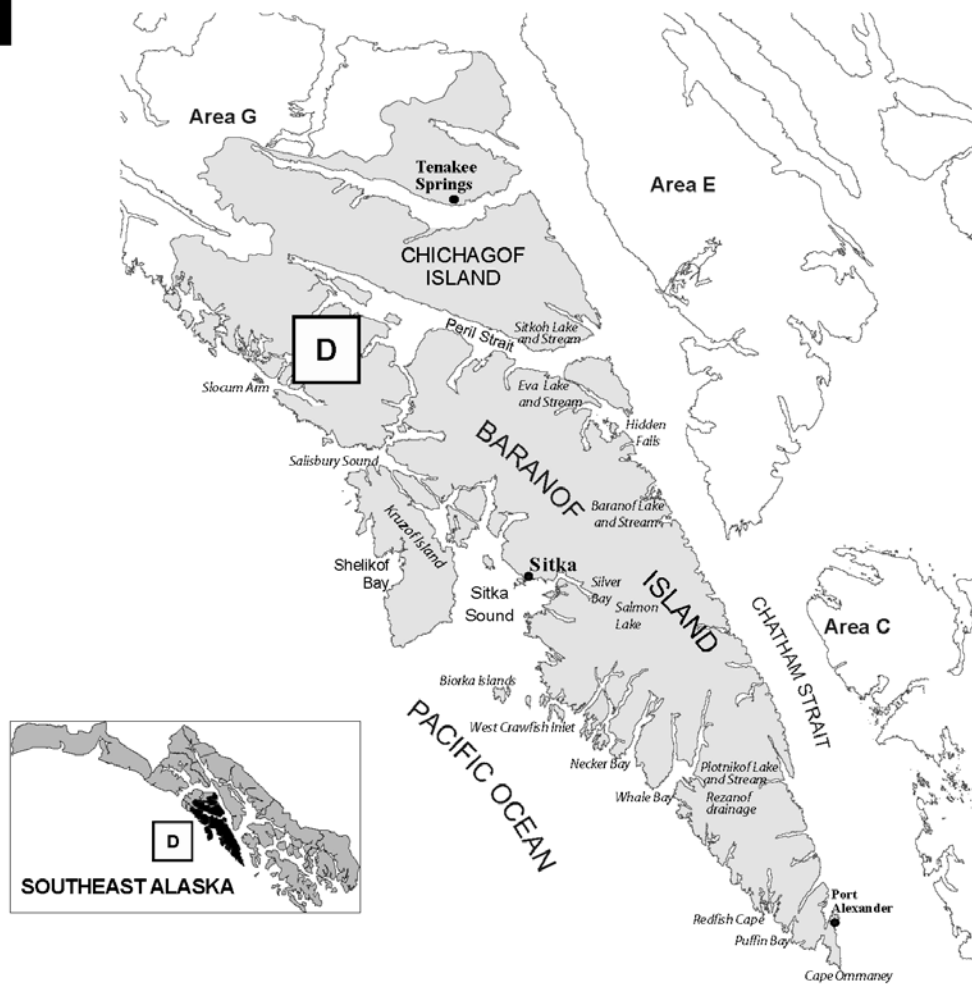
Saltwater

No.	Site Name
724	Sitka Sound (specify)
13	Silver Bay
850	Hidden Falls
1053	Sitka road system
1044	Outer coast of Kruzof Island
766	Salisbury Sound
1046	Tenakee area
1050	West Chichagof Island
1060	Chichagof Island, remainder
1048	Baranof Island, East
1072	Baranof Island, Southwest (West Crawfish Inlet to Cape Ommaney)
9991	Other saltwater (specify)

Freshwater

No.	Site Name
186	Baranof lake and stream
8	Eva lake and stream
231	Plotnikof lake and stream
232	Rezanof drainage (lakes, streams)
148	Salmon Lake
14	Sitkoh lake and stream
9994	Other streams (specify)
9993	Other lakes (specify)

Fish Size Categories
AREA D KING SALMON
 "Large" are 28 inches and over;
 "Small" are less than 28 inches.



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TO SAVE POSTAGE, PLEASE DO **NOT** RETURN THIS BOOKLET WITH YOUR QUESTIONNAIRE.

E JUNEAU AREA

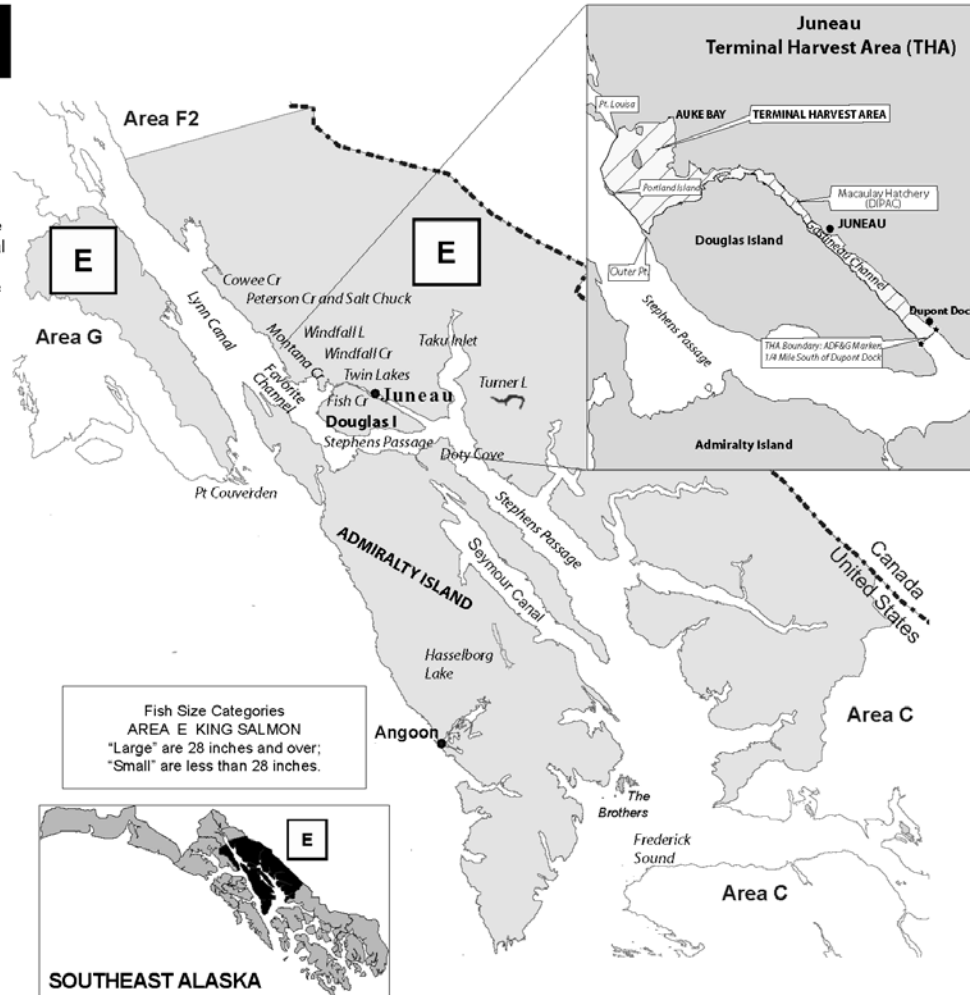
Saltwater

No.	Site Name
956	Terminal Harvest Area ^a
1000	Saltwater near Juneau (Lower Lynn Canal south to Pt Couverden, Favorite Channel, and upper Stephens Passage south to Doty Cove), excluding Terminal Harvest Area
754	Lower Stephens Passage area (south of Doty Cove)
758	Angoon Area
950	Frederick Sound
939	Macaulay Hatchery
3	Other Juneau road system
9991	Other saltwater (specify)

Freshwater

No.	Site Name
143	Fish Creek (Douglas Island)
175	Peterson Creek and Salt Chuck
211	Twin Lakes
168	Montana Creek, including mouth
213	Cowee Creek (near Echo Cove)
223	Windfall Creek
198	Windfall Lake
6	Other Juneau road system
9	Hasselborg Lake
11	Turner Lake
9994	Other streams (specify)
9993	Other lakes (specify)

^a Described as marine waters east of a line from Pt. Louisa to the eastern shore of Portland Island, to the north tip of Outer Point on Douglas Island and the waters west of Dupont (see map at right). A terminal harvest area is where associated boundaries and liberalized harvest limits or methods and means are established by emergency order.



F1 SKAGWAY AREA

Saltwater Skagway Area

- | No. | Site Name |
|------|---------------------------|
| 736 | Taiya Inlet |
| 9991 | Other saltwater (specify) |

Freshwater Skagway Area

- | | |
|------|--------------------------------------|
| 121 | Pullen Creek and Pond |
| 9994 | Other Skagway Area streams (specify) |
| 9993 | Other Skagway Area lakes (specify) |

F2 HAINES AREA

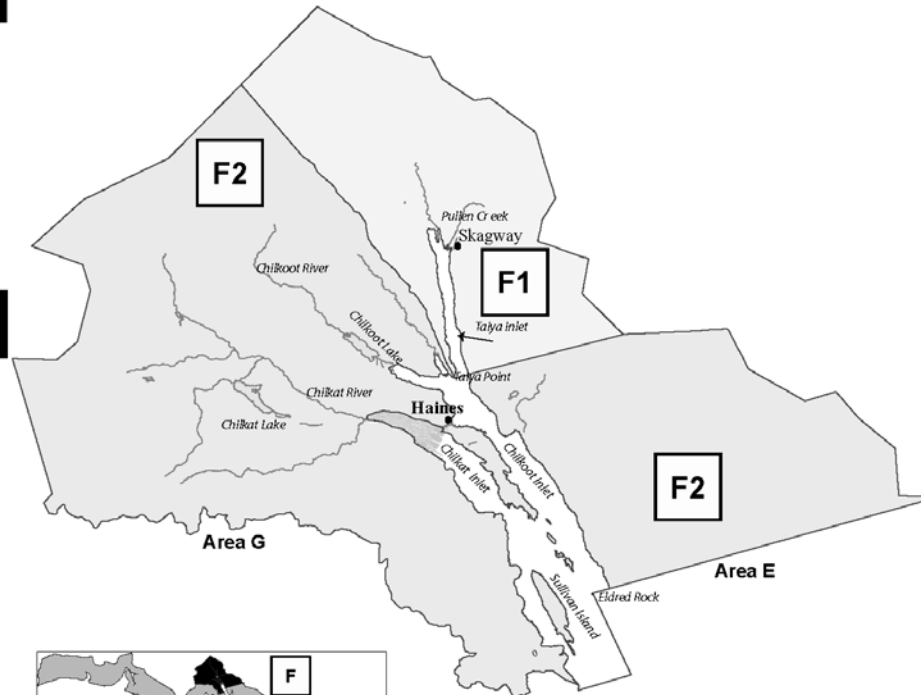
Saltwater Haines Area

- | No. | Site Name |
|------|----------------------------------|
| 732 | Chilkoot Inlet |
| 730 | Chilkat Inlet |
| 9991 | Other Haines saltwater (specify) |

Freshwater Haines Area

- | | |
|------|-------------------------------------|
| 3 | Chilkoot River |
| 5 | Chilkoot Lake |
| 107 | Chilkat River |
| 130 | Chilkat Lake |
| 9994 | Other Haines Area streams (specify) |
| 9993 | Other Haines Area lakes (specify) |

Fish Size Categories
 AREA F KING SALMON
 "Large" are 28 inches and over;
 "Small" are less than 28 inches.



SOUTHEAST ALASKA

TO SAVE POSTAGE, PLEASE DO **NOT** RETURN THIS BOOKLET WITH YOUR QUESTIONNAIRE.

G GLACIER BAY AREA

Saltwater

No.	Site Name
736	Glacier Bay proper (INSIDE Glacier Bay National Park) ^a
972	Glacier Bay National Park (NOT within Glacier Bay proper) ^a
968	Icy Strait (NOT within Glacier Bay National Park)
970	Cross Sound (NOT within Glacier Bay National Park)
800	Outer coast Yakobi Island
802	Homeshore area
740	Gustavus area
908	Hoonah area
768	Berg Bay
804	Northern Chichagof Island
9991	Other saltwater (specify)

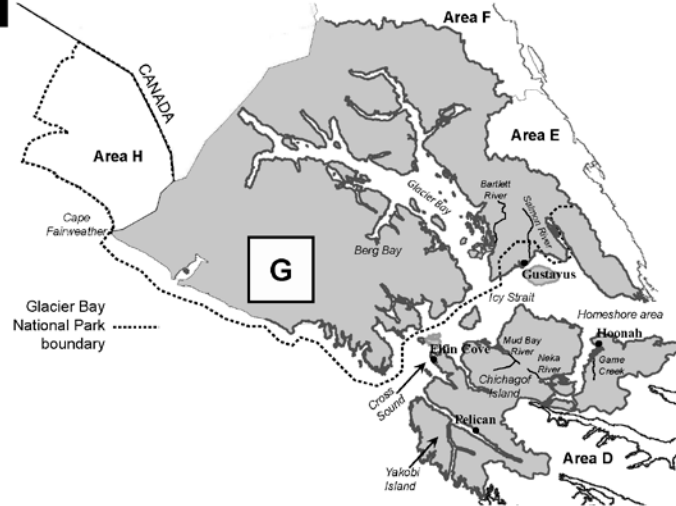
Freshwater

No.	Site Name
110	Salmon River
105	Bartlett River
127	Mud Bay River
128	Game Creek
129	Neka River
9994	Other streams (specify)
9993	Other lakes (specify)

^a Glacier Bay proper is described as all marine contiguous water inside or north of a line from Pt. Carolus and Pt. Gustavus.

Fish Size Categories
AREA G KING SALMON
 "Large" are 28 inches and over;
 "Small" are less than 28 inches.

GLACIER BAY AREA



H YAKUTAT AREA

Saltwater

No.	Site Name
724	Yakutat Bay
750	Ankau Lagoon
9991	Other saltwater (specify)

Freshwater

No.	Site Name
147	Ahrnklin River
107	Akwe River
135	East Alsek River
117	Itallo River
120	Lost River
148	Situk River, above weir ^b
149	Situk River, below weir ^b
132	Tawah Creek
134	Tsiu River
9994	Other streams (specify)
9993	Other lakes (specify)

^b The Situk weir is located near the river mouth approximately 1.5 miles above the Situk Landing.

Fish Size Categories
AREA H KING SALMON
Saltwater
 "Large" are 28 inches and over;
 "Small" are less than 28 inches.
Freshwater
 "Large" are 20 inches and over;
 "Small" are less than 20 inches.

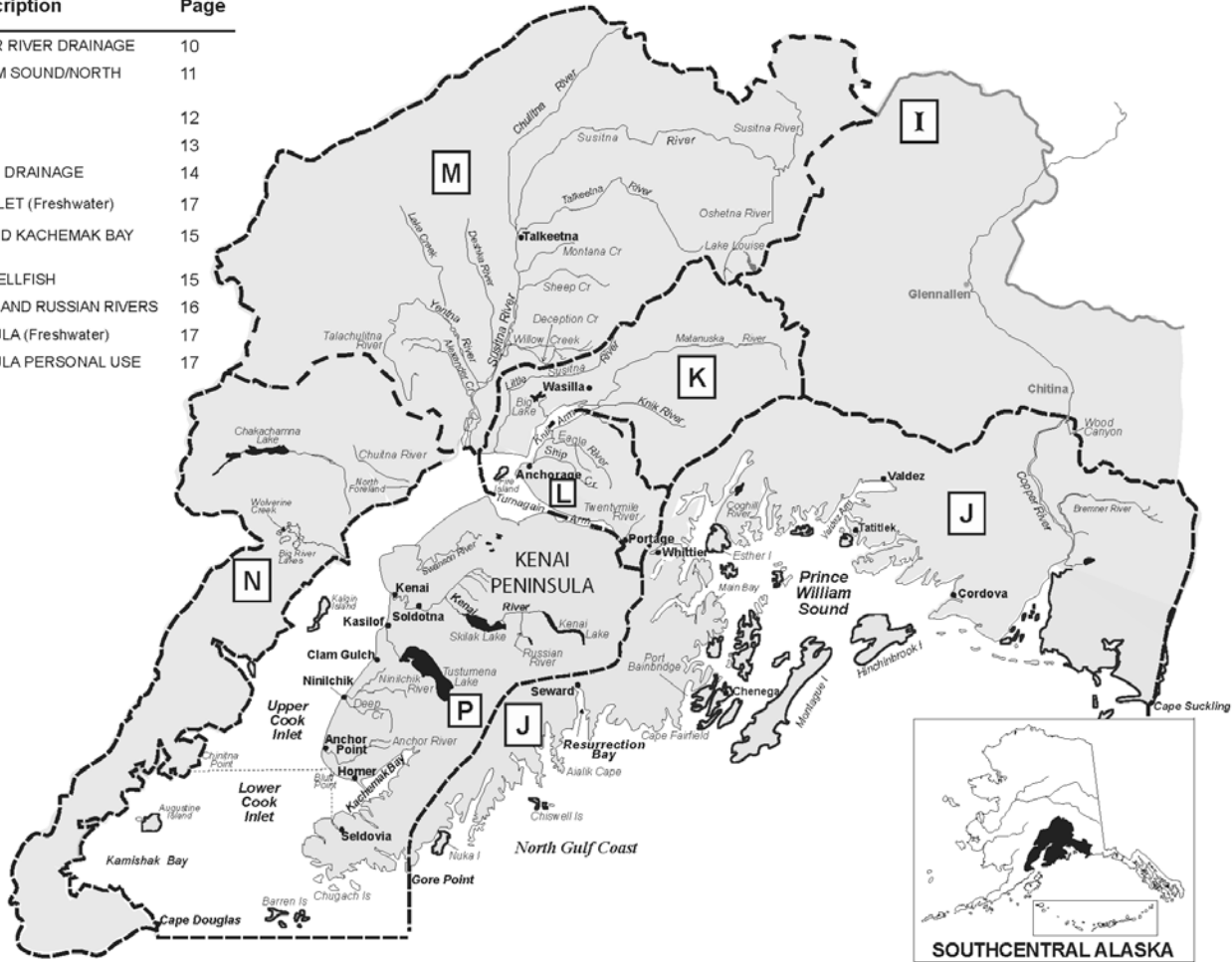
YAKUTAT AREA



SOUTHCENTRAL ALASKA INDEX

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SPORT FISH SURVEY AREAS I - P



191

I UPPER COPPER RIVER DRAINAGE SPORTFISHING

SPORT FISHERIES

Freshwater

No.	Site Name
8	Crosswind Lake
650	Gulkana River (above Paxson Lake)
501	Gulkana River (Paxson Lake outlet to Counting Tower)
502	Gulkana River (Counting Tower to West Fork mouth)
600	Gulkana River (West Fork mouth to Richardson Hwy)
16	Gulkana River (Richardson Hwy to Copper River)
371	Middle Fork (Gulkana River tributary)
372	West Fork (Gulkana River tributary)
416	Klutina River
212	Mendeltna Creek
13	Paxson Lake
4	Silver Lake
14	Summit Lake (near Paxson)
398	Tolsona Lake
287	Tonsina River
9994	Other streams (specify)
9993	Other lakes (specify)

Fish Size Categories
AREA I KING SALMON
 "Large" are 20 inches and over;
 "Small" are less than 20 inches.



I UPPER COPPER RIVER DRAINAGE PERSONAL USE DIPNET FISHERY

Personal Use DIPNET FISHERY

No.	Site Name
9010	Copper River (near Chitina) Do not include fishwheel or subsistence dipnetting

**J PRINCE WILLIAM SOUND/
NORTH GULF COAST**

SALTWATER SPORTFISHING FROM BOAT

Boat Trip ENDED in Seward - Fish were caught in:

No.	Site Name
1101	Resurrection Bay
1105	North Gulf Coast west of Aialik Cape
1106	North Gulf Coast east of Aialik Cape
1103	Western Prince William Sound
1104	Other site (specify)

Boat Trip ENDED in Whittier, Chenequa, or other site in Western Prince William Sound - Fish were caught in:

No.	Site Name
1201	Western Prince William Sound
1202	Eastern Prince William Sound
1203	Other site (specify)

Boat Trip ENDED in Valdez - Fish were caught in:

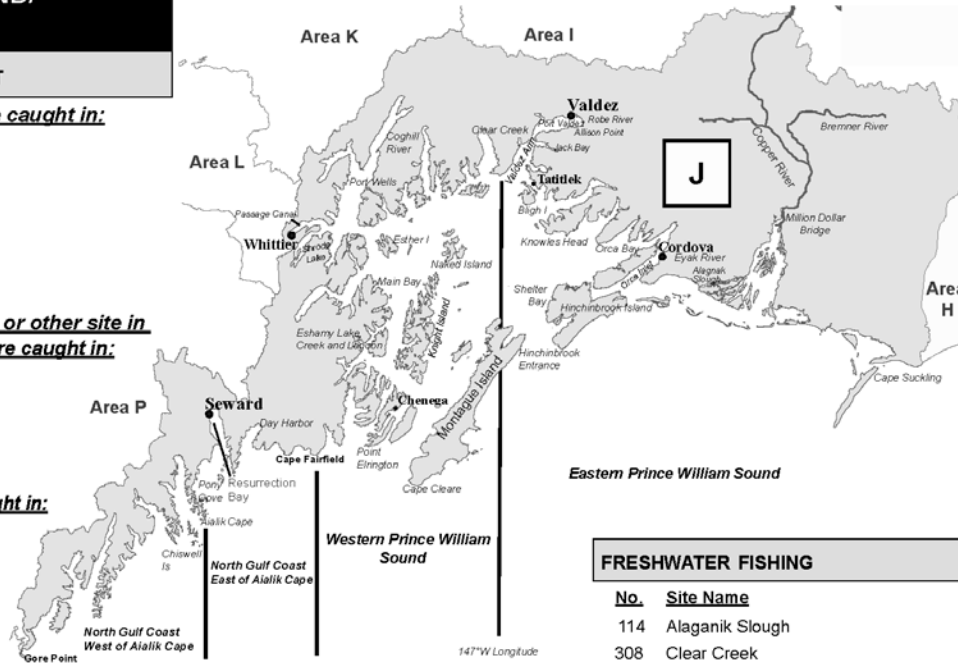
No.	Site Name
1301	Western Prince William Sound
1302	Eastern Prince William Sound
1305	Valdez Arm, Port Valdez
1303	Other site (specify)

Boat Trip ENDED in Cordova or other site in Eastern Prince William Sound - Fish were caught in:

No.	Site Name
1401	Western Prince William Sound
1402	Eastern Prince William Sound
1403	Other site (specify)

Boat Trip ENDED in location other than those listed above - Fish were caught in:

No.	Site Name
9991	Other site (specify)



SALTWATER FISHING FROM SHORELINE

No.	Site Name
1008	Resurrection Bay (Seward)
759	Passage Canal (Whittier)
998	Cove Creek mouth (Whittier)
747	Valdez Arm/Port Valdez
831	Allison Point (Valdez)
815	Fleming Spit/Hippy Cove (Cordova)
9992	Other shoreline site (specify)

FRESHWATER FISHING

No.	Site Name
114	Alaganik Slough
308	Clear Creek
7	Coghill River
307	Eshamy Lake, Creek, and Lagoon
5	Eyak River
171	Ibeck Creek
222	Robe River
12	Shrode Lake
9994	Other streams (specify)
9993	Other lakes (specify)

Fish Size Categories
AREA J KING SALMON
"Large" are 20 inches and over;
"Small" are less than 20 inches.

K KNIK ARM AREA

Saltwater

- | No. | Site Name |
|------|---------------------------|
| 1 | Fish Creek area |
| 9991 | Other saltwater (specify) |

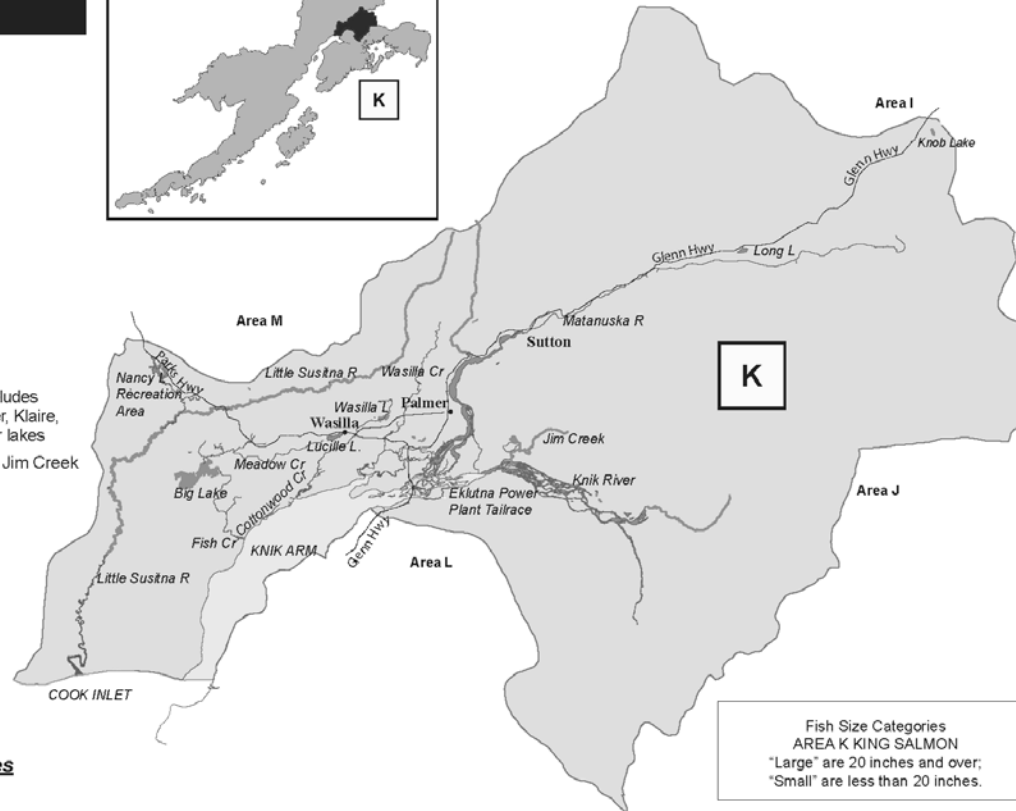
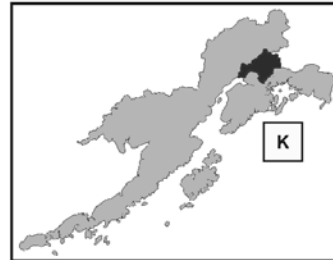
Freshwater

Knik Arm Area

- | No. | Site Name |
|---------------------------------|---|
| 12 | Big Lake |
| 7 | Cottonwood Creek |
| 14 | Eklutna Power Plant Tailrace |
| 9 | Finger Lake |
| 234 | Fish Creek, Big Lake drainage |
| 10 | Kepler Lake Complex (specify) includes Bradley, Canoe, Echo, Irene, Kepler, Klaire, Long, Matanuska, Silver, and Victor lakes |
| 5 | Knik River and tributaries including Jim Creek |
| 4 | Little Susitna River |
| 11 | Lucille Lake |
| 6 | Wasilla Creek (Rabbit Slough) |
| 8 | Wasilla Lake |
| 9994 | Other streams (specify) |
| 9993 | Other lakes (specify) |
| If Long Lake, specify location: | |
| • Kepler Lakes complex (K 294) | |
| • Mile 85 Glenn Hwy (K 221) | |
| • In the Willow area (K 316) | |
| • In the Big Lake area (K 300) | |

Nancy Lake Recreation Area Sites

- | No. | Site Name |
|-----|--|
| 443 | Lynx Lake |
| 13 | Nancy Lake |
| 456 | Red Shirt Lake |
| 241 | South Rolly Lake |
| 244 | Other sites within Recreation Area (specify) |



K1 FISH CREEK PERSONAL USE DIPNET FISHERY

Personal Use DIPNET FISHERY

- | No. | Site Name |
|------|---|
| 9000 | Fish Creek (Big Lake Drainage) - Personal Use |

L ANCHORAGE AREA

Saltwater

- | No. | Site Name |
|------|---------------------------------|
| 9991 | Other boat sites (specify) |
| 9992 | Other shoreline sites (specify) |

Freshwater

Anchorage Area Streams

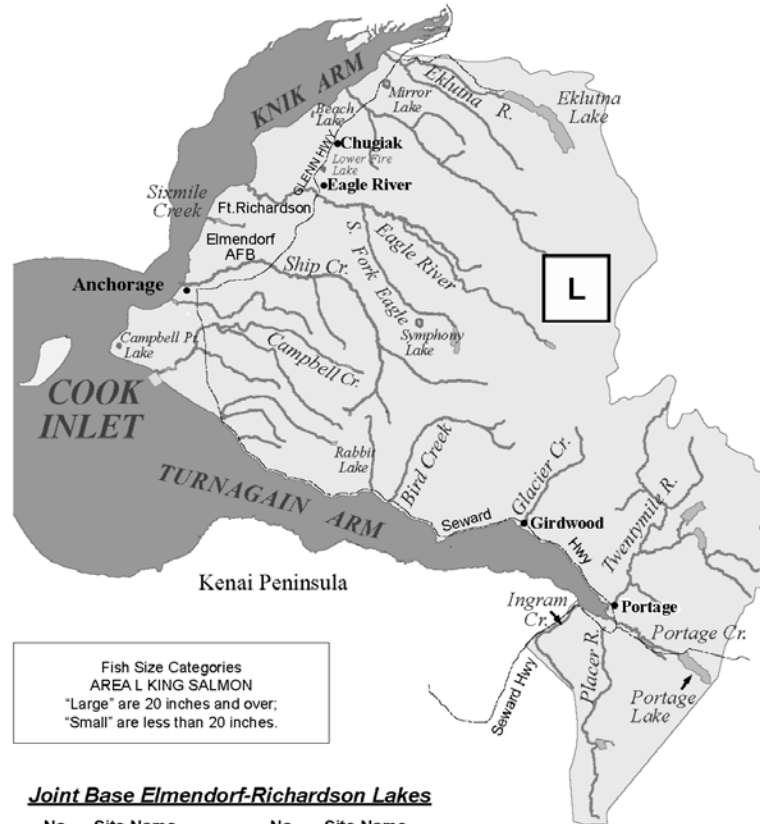
- | No. | Site Name |
|------|-------------------------|
| 14 | Ship Creek |
| 15 | Bird Creek |
| 16 | Campbell Creek |
| 17 | Twentymile River |
| 218 | Ingram Creek |
| 18 | Eagle River |
| 9994 | Other streams (specify) |

Anchorage Area Lakes

- | No. | Site Name |
|------|---------------------------------------|
| 4 | Campbell Point (Little Campbell) Lake |
| 20 | C Street Lake (Taku-Campbell Lake) |
| 23 | Cheney Lake |
| 138 | DeLong Lake |
| 3 | Jewel Lake |
| 215 | Lake Otis |
| 5 | Sand Lake |
| 24 | University (APU) Lake |
| 9993 | Other lakes (specify) |

Eagle River/Chugiak Lakes

- | No. | Site Name |
|-----|---|
| 21 | Beach Lake |
| 139 | Eklutna Lake |
| 6 | Lower Fire Lake |
| 7 | Mirror Lake |
| 228 | Symphony Lake |
| 302 | Other Eagle River/Chugiak lakes (specify) |



Joint Base Elmendorf-Richardson Lakes

- | No. | Site Name | No. | Site Name |
|-----|---|-----|---------------|
| 9 | Clunie Lake | 8 | Otter Lake |
| 210 | Dishno Pond | 11 | Sixmile Lake |
| 22 | Fish Lake | 188 | Spring Lake |
| 12 | Green Lake | 19 | Triangle Lake |
| 10 | Gwen Lake | 208 | Walden Lake |
| 13 | Hillberg Lake | | |
| 303 | Other Joint Base Elmendorf-Richardson lakes (specify) | | |

Turnagain Arm Lakes

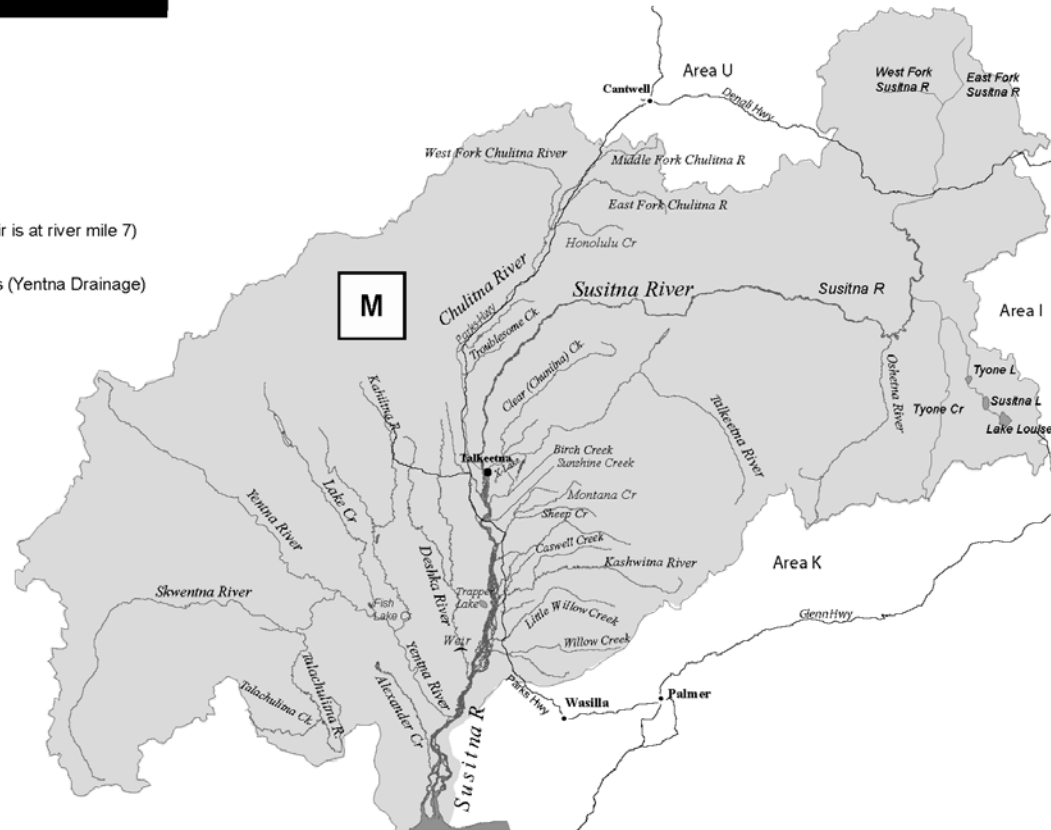
- | No. | Site Name |
|-----|----------------------|
| 226 | Rabbit Lake |
| 223 | Alder Pond |
| 227 | Tangle Pond |
| 229 | Airstrip Willow Pond |

Fish Size Categories
 AREA L KING SALMON
 "Large" are 20 inches and over;
 "Small" are less than 20 inches.

M SUSITNA RIVER DRAINAGE

Freshwater

No.	Site Name
1117	Alexander Creek
1118	Alexander Lake
117	Birch Creek
5	Caswell Creek
8	Clear (Chunilna) Creek
1347	Deshka River above weir (weir is at river mile 7)
1348	Deshka River below weir
1171	Fish Lake Creek & Fish Lakes (Yentna Drainage)
138	Goose Creek
143	Kashwitna River
1004	Lake Creek
3010	Lake Louise
10	Little Willow Creek
6	Montana Creek
9	Sheep Creek
1239	Skwentna River
7	Sunshine Creek
3011	Susitna Lake
1251	Susitna River
1007	Talachulitna River
170	Talkeetna River
1262	Trapper Lake
181	Troublesome Creek
3295	Tyone Creek
4	Willow Creek
1277	Yentna River
9993	Other lakes (specify)
9994	Other streams (specify)



Fish Size Categories
 AREA M KING SALMON
 "Large" are 20 inches and over;
 "Small" are less than 20 inches.

P COOK INLET and KACHEMAK BAY SALTWATER

- | No. | Site Name |
|-----|--|
| 980 | Upper Cook Inlet north of Bluff and Chinina Points, including saltwaters by Anchor River, Whiskey Gulch, Deep Creek and Nihilchik River (boat) |
| 981 | Upper Cook Inlet fishing from shore (specify) |
| 952 | Lower Cook Inlet west of Gore Point not including Kachemak Bay (boat) |
| 796 | Kachemak Bay from Bluff Point to Seldovia (boat) |
| 823 | Homer Spit (fishing from shore on the Spit) |
| 991 | Other Lower Cook Inlet and Kachemak Bay fishing from the shore (specify) |

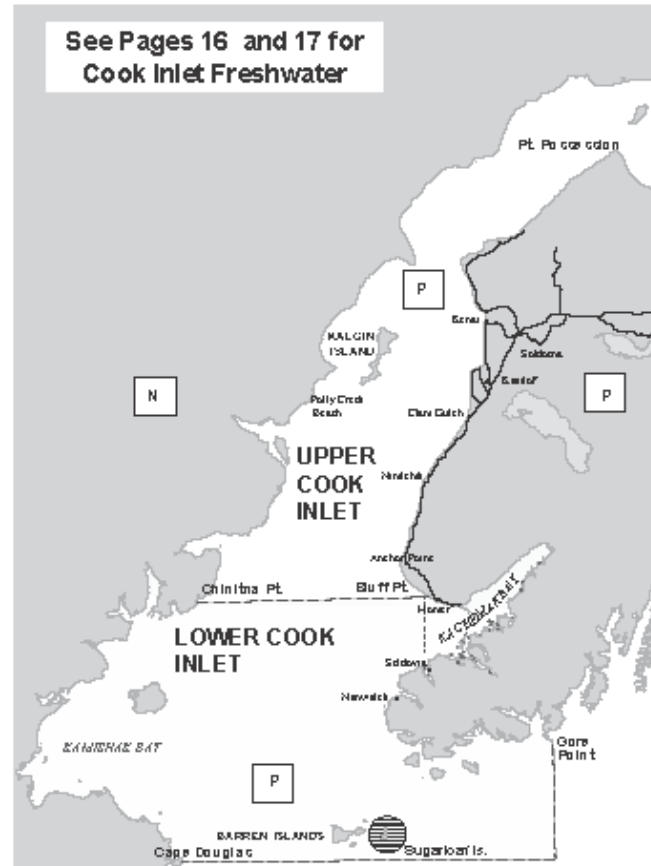
P COOK INLET SHELLFISH

East side Cook Inlet shellfish fisheries

- | No. | Site Name |
|------|---|
| 797 | Kachemak Bay (from Bluff Point to Seldovia) |
| 1000 | CLAMS: Between Anchor Point and Kaslof River (including Whiskey Gulch, Deep Creek, Nihilchik, Clam Gulch and Cohoe beaches) |
| 953 | Lower Cook Inlet sites west of Gore Point (not including Kachemak Bay) |
| 4 | Other East Cook Inlet Shellfish sites (specify) |

West side Cook Inlet shellfish fisheries

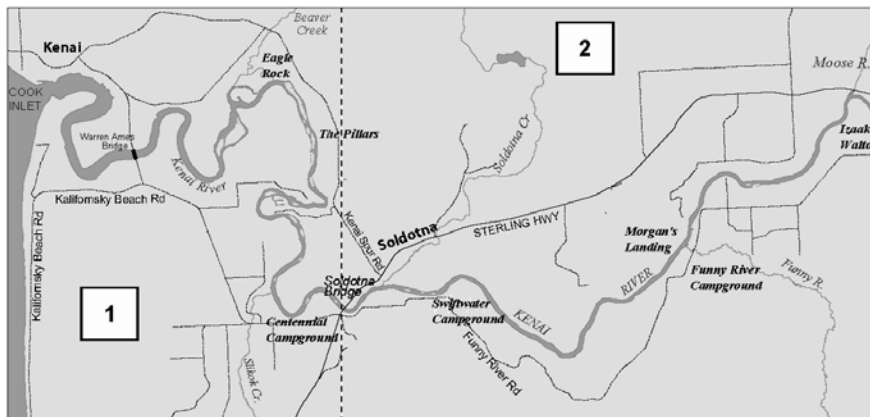
- | No. | Site Name |
|------|---|
| 16 | Polly Creek beach/Crescent River bar |
| 700 | Shellfish, north of Chinina Point |
| 710 | Shellfish, south of Chinina Point |
| 1004 | Other West Cook Inlet shellfish sites (specify) |



P KENAI, KASILOF and RUSSIAN RIVERS FRESHWATER

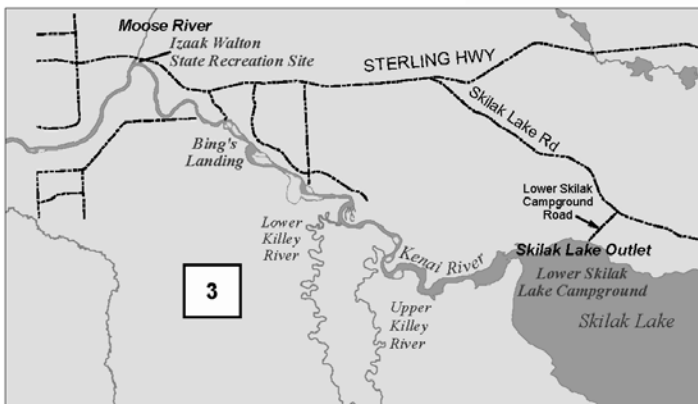
- | No. | Site Name |
|-----|--|
| 1 | Kenai River - Cook Inlet to Soldotna Bridge |
| 2 | Kenai River - Soldotna Bridge to Moose River |
| 3 | Kenai River - Moose River to Skilak outlet |
| 4 | Kenai River - Skilak inlet to Kenai Lake |
| 500 | Kasilof River - Bank fishing |
| 600 | Kasilof River - Boat fishing |
| 9 | Russian River (include all fishing in the 1,800 yard section of the Kenai River immediately downstream from the Russian River) |

For all other Kenai Peninsula freshwater, go to page 17

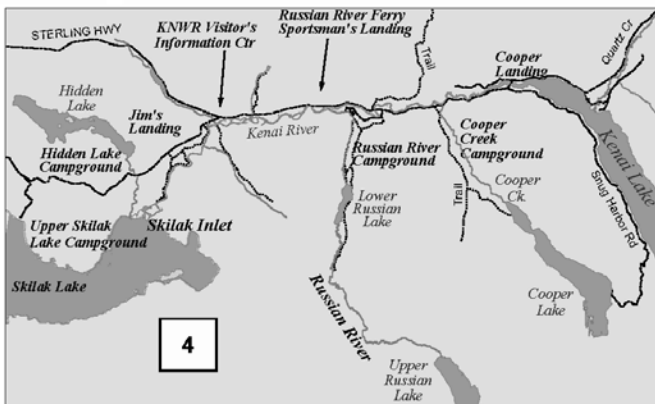


Area Code Letter P
Site No. 1 Kenai River - Cook Inlet to Soldotna Bridge

Area Code Letter P
Site No. 2 Kenai River - Soldotna Bridge to Moose River



Area Code Letter P
Site No. 3 Kenai River - Moose River to Skilak Outlet



Area Code Letter P
Site No. 4 Kenai River - Skilak Inlet to Kenai Lake

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N WEST COOK INLET FRESHWATER

In Area N all fishing sites are freshwater. Record all Cook Inlet saltwater to Area P

North of North Foreland

No.	Site Name
8	Chuitna River
10	Lewis River
9	Theodore River
332	Other sites (specify site names)

South of North Foreland

186	Kustatan River
125	Big River Lakes
340	Wolverine Cr (by Big River Lakes)
237	Silver Salmon Creek
333	Other sites (specify)



P KENAI PENINSULA PERSONAL USE DIPNET FISHERIES

No.	Site Name
9001	China Poot (dipnet)
9002	Kenai River (dipnet)
9003	Kasilof River (dipnet)
9007	Kasilof River (gillnet)

P KENAI PENINSULA FRESHWATER

No.	Site Name
5	Anchor River
137	Centennial Lake
147	Crescent Lake
7	Deep Creek
12	Hidden Lake
300	Island Lake
178	Johnson Lake
183	Kenai Lake
192	Longmare (Longmere) Lake
6	Ninilchik River
218	Quartz Creek
261	Resurrection Creek (near Hope)
226	Sixmile Creek drainage, including Granite, East Fork, and Canyon creeks
228	Skilak Lake
368	Spirit (Elephant) Lake
283	Sports Lake
8	Stariski Creek
235	Summit Lake
15	Swan Lake Canoe system
334	Swanson River
14	Swanson River Canoe Route lakes
244	Tustumena Lake
9994	Other streams (specify)
9993	Other lakes (specify)

Fish Size Categories
 AREAS N and P KING SALMON
 "Large" are 20 inches and over;
 "Small" are less than 20 inches.

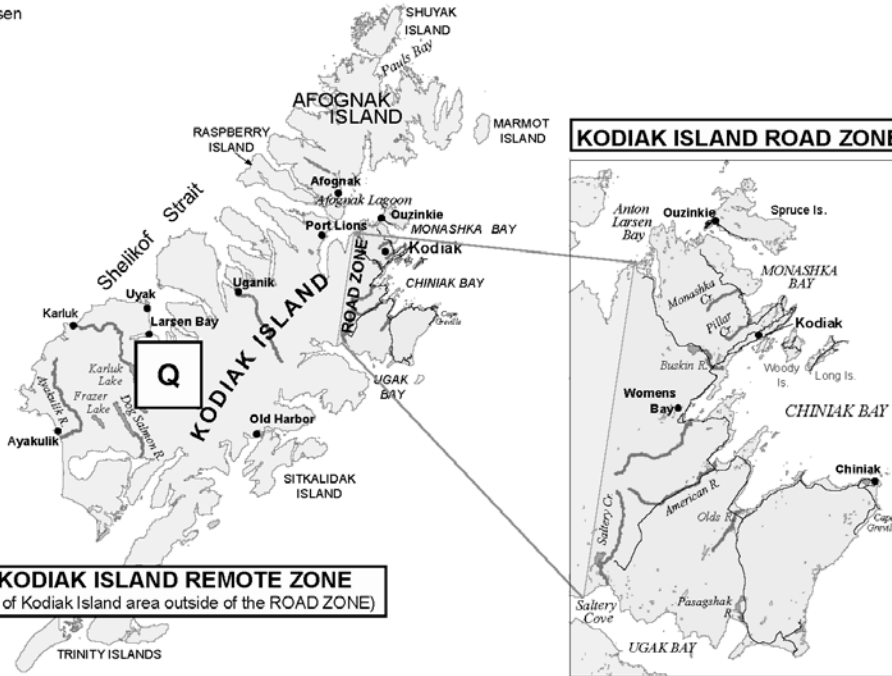
Q KODIAK AREA

Saltwater

- | No. | Site Name |
|-----|---|
| 736 | Chiniak Bay area from Cape Greville to Anton Larsen Bay, including Cape Chiniak, Mill Bay, Monashka Bay, Spruce Island and all of Chiniak Bay |
| 800 | Shuyak Area |
| 814 | Afognak Island |
| 812 | Pauls Bay |
| 776 | Ugak Bay |
| 770 | Uyak Bay |
| 887 | Afognak Lagoon (Litnik) |
| 932 | Other remote saltwater sites (specify) |
| 934 | Other roadside saltwater sites (specify) Includes Narrow Cape, Pasagshak Bay, and Saltery Cove areas, and Barry Lagoon |

Freshwater

- | No. | Site Name |
|-----|--|
| 110 | Afognak Lake |
| 114 | American River |
| 174 | Ayakulik (Red) River |
| 3 | Buskin River |
| 277 | Karluk Lake and River ABOVE the weir (the weir is located on the Karluk River, 0.5 miles upstream of the Lagoon) |
| 278 | Karluk Lagoon and River BELOW the weir |
| 163 | Olds River (or Creek) |
| 275 | Pasagshak drainage |
| 276 | Saltery Cove drainage |
| 108 | Roadside lakes (specify) |
| 109 | Other lakes (Remote Zone) specify |
| 105 | Roadside streams (specify) |
| 106 | Other streams (Remote Zone) specify |



Fish Size Categories
 AREA Q KING SALMON
 "Large" are 20 inches and over;
 "Small" are less than 20 inches.

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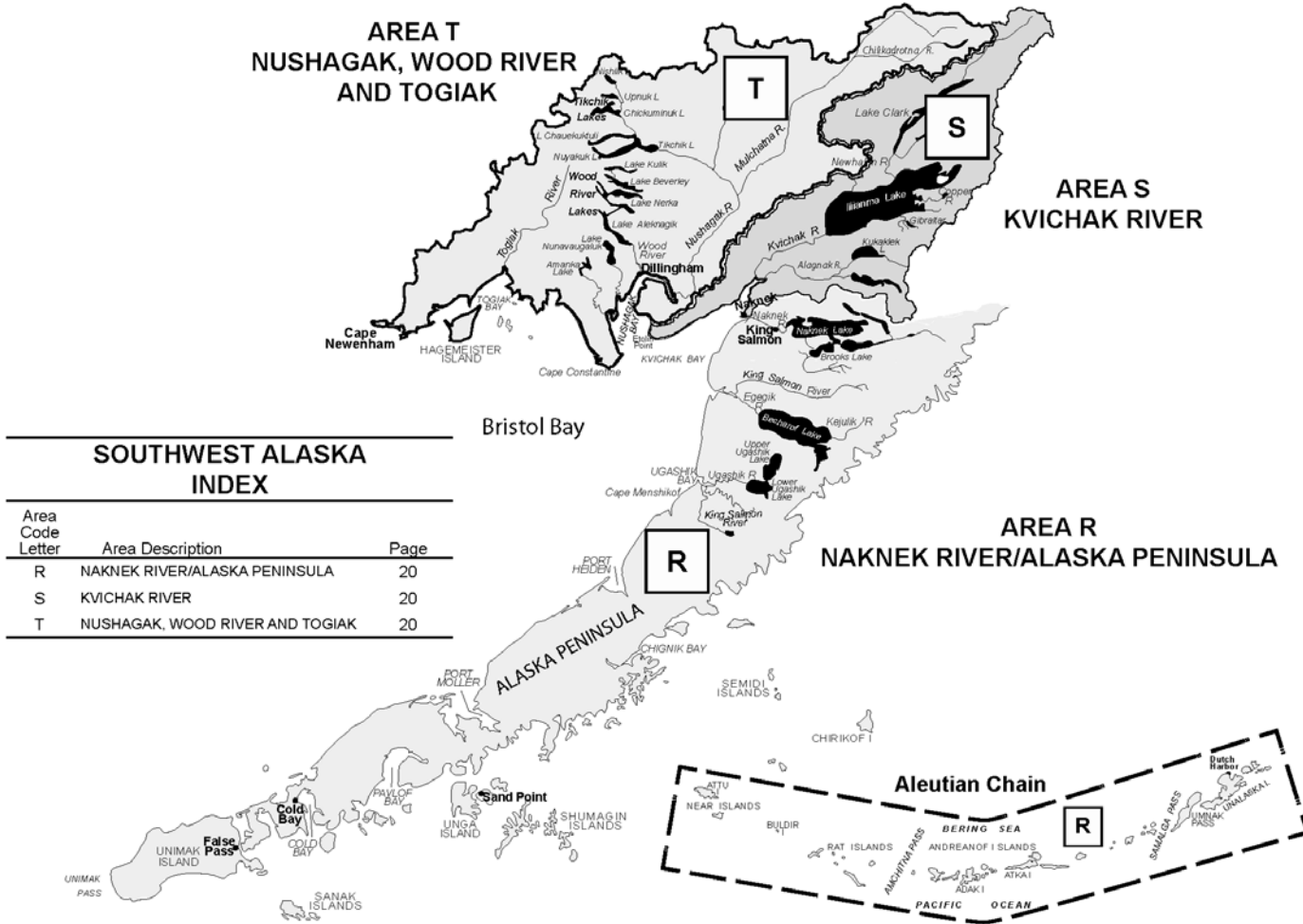
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SOUTHWEST ALASKA AREAS R-T

AREA T
NUSHAGAK, WOOD RIVER
AND TOGIAK

AREA S
KVICHAK RIVER

AREA R
NAKNEK RIVER/ALASKA PENINSULA



SOUTHWEST ALASKA INDEX

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S	KVICHAK RIVER	20
T	NUSHAGAK, WOOD RIVER AND TOGIAK	20

171

R NAKNEK RIVER/ALASKA PENINSULA AREA

Saltwater

No. Site Name

- 1 Cold Bay area
- 756 Unalaska Bay area
- 900 Boat-Cape Menshikof north to Naknek Bay (specify) includes Ugashik, Egegik, and Naknek Bays
- 950 Boat-Other Alaska Peninsula; any saltwater boat fishing west of Cape Menshikof and Cape Douglas excluding Cold Bay or Unalaska Bay (specify)
- 9991 Other saltwater (specify)

Freshwater

No. Site Name

- 182 American Creek
- 12 Becharof System (including Becharof Lake, Kejukik and Egegik rivers, and Shosky Creek)
- 13 Brooks Lake
- 10 Brooks River
- 130 Chignik River
- 5 Cold Bay area (including Russel Creek)
- 8 Naknek Lake - Bay of Islands
- 9 Naknek Lake - other
- 275 Naknek River upstream section; from Rapids Camp 9 miles upstream to Naknek Lake outlet, including tributaries
- 279 Naknek River, downstream section; from Rapids Camp downstream 19 miles to saltwater, including tributaries. Includes Naknek River near the community of King Salmon
- 11 Ugashik System, including Ugashik River, and Upper/Lower Ugashik Lakes
- 281 Unalaska Bay streams
- 9994 Other streams (specify)
 - If King Salmon River, specify location:
 - near the community of King Salmon (R 143)
 - near Egegik Bay (R 144)
 - near Ugashik Bay (R 194)
 - near Port Moller (R 195)
- 9993 Other lakes (specify site names)

S KVICHAK RIVER DRAINAGE

Saltwater

No. Site Name

- 9991 Specify site names

Freshwater

No. Site Name

- 8 Alagnak (Branch) River
- 141 Battle River
- 5 Copper River (tributary of Iliamna Lake)
- 146 Funnel Creek
- 6 Gibraltar Lake
- 170 Gibraltar River
- 125 Iliamna Lake
- 120 Iliamna River
- 183 Kukaklek River (Big Ku)
- 123 Kulik River
- 3 Kvichak River
- 9 Lake Clark
- 134 Moraine Creek
- 7 Newhalen River
- 4 Lower Talarik Creek
- 139 Upper Talarik Creek
- 9994 Other streams (specify)
- 9993 Other lakes (specify)

Fish Size Categories
AREA R-T KING SALMON
"Large" are 20 inches and over;
"Small" are under 20 inches

T NUSHAGAK, WOOD RIVER, AND TOGIAK AREA

Saltwater

No. Site Name

- 9991 Specify site names

Freshwater

No. Site Name

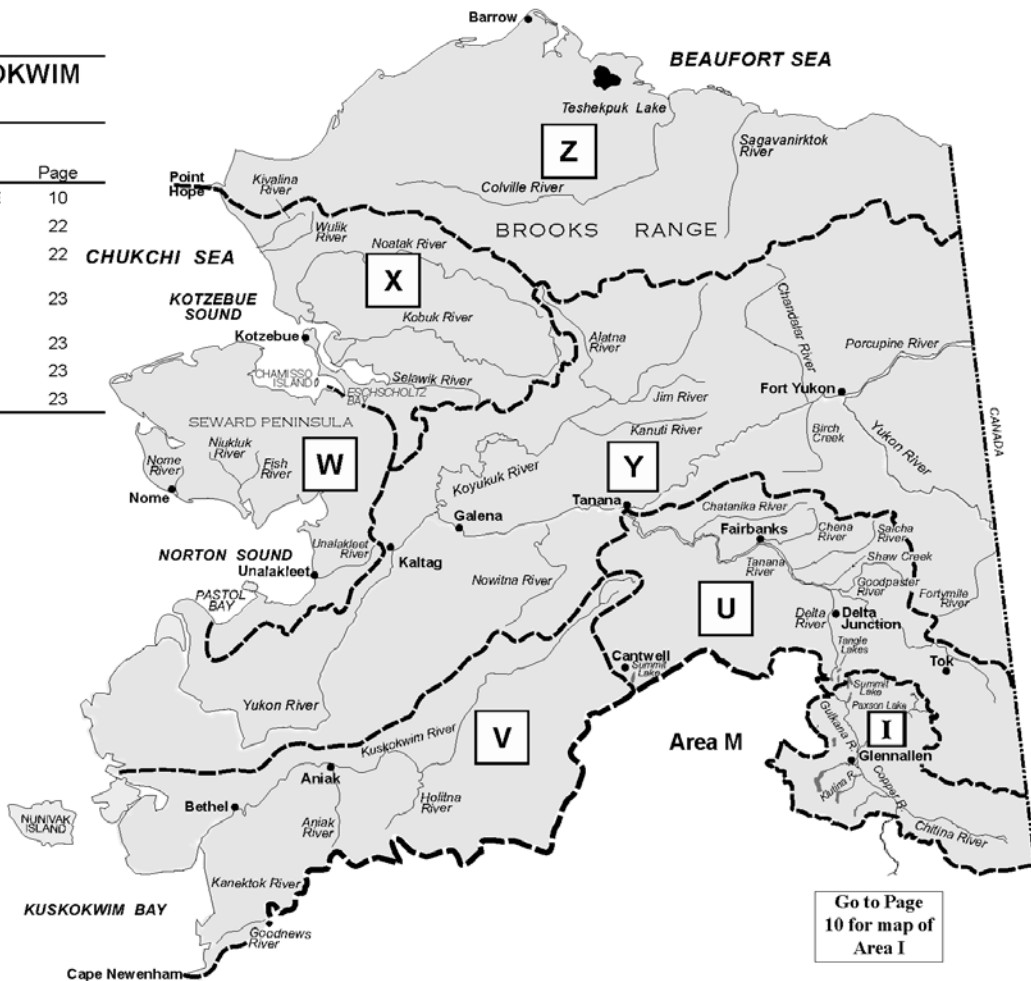
- 111 Agulowak River
- 128 Agulukpak River
- 112 Aleknagik Lake
- 8 Chilikadrotna River
- 126 Kokwok River
- 209 Iowithla River
- 7 Mulchatna River
- 207 Nushagak River from Black Point upstream to sonar site (by Portage Creek)
- 208 Nushagak River, sonar site (by Portage Creek) upstream to outlet of Mulchatna River
- 190 Nushagak River, upstream from outlet of Mulchatna River
- 3 Nushagak system, other (specify)
- 206 Nuyakuk River
- 5 Tikchik-Nuyakuk Lake system, including Nuyakuk, Tikchik, Chickuminuk, Nishlik, and Upnuk lakes, and Lake Chauekuktuli (specify)
- 6 Togiak River and Lake drainage (specify)
- 4 Wood River Lakes system, including lakes Nerka, Beverley, and Kulik (specify)
- 9994 Other streams (specify)
- 9993 Other lakes (specify)

TO SAVE POSTAGE, PLEASE DO NOT RETURN THIS BOOKLET WITH YOUR QUESTIONNAIRE.

ARCTIC-YUKON-KUSKOKWIM AREAS I AND U-Z

ARCTIC-YUKON-KUSKOKWIM INDEX

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W	SEWARD PENINSULA/ NORTON SOUND	23
X	NORTHWEST ALAKSA	23
Y	YUKON RIVER DRAINAGE	23
Z	NORTH SLOPE-BROOKS RANGE	23



U TANANA RIVER DRAINAGE

Freshwater

No.	Site Name
9	Birch Lake
137	Brushkana Creek
613	Chatanika River and tributaries (downstream of Elliot Highway)
614	Chatanika River and tributaries (upstream of Elliot Highway)
347	Chena Hot Springs Road ponds (along Chena Hot Springs Road from mile 30 to mile 50)
18	Chena Lake Recreation Area
1050	Chena River (Lower Chena River and tributaries) from the mouth upstream to the Moose Creek Dam at river mile 45. Includes all parts of Badger (Chena) Slough
1051	Chena River (Upper Chena River and tributaries upstream of Moose Creek Dam at river mile 45)
584	Coal Mine Road lakes (accessible from Coal Mine Road, located at mile 242 Richardson Hwy approximately 22 miles south of Delta Junction)
6	Delta Clearwater Creek
17	Delta River (below Tangle Lakes)
408	Dune Lake
163	East Twin Lake
13	Fielding Lake
1025	Fish Creek (Denali Highway)
11	George Lake
8	Goodpaster River

No.	Site Name
189	Harding Lake
201	Koole Lake
583	Meadow Road Lakes (along the Meadow and Ridge roads in the southern part of Fort Greely Military Reservation, including Weasel Lake)
14	Minto Flats; lakes and rivers of Minto Flats State Game Refuge
513	Nenana R. drainage (<u>not</u> including Brushkana Cr)
319	Piledriver Slough (including Moose Creek)
10	Quartz Lake
7	Richardson Clearwater Creek
5	Salcha River
16	Shaw Creek
346	Steese Ponds (along the Steese Highway from mile 30 to mile 40)
15	Tangle Lakes and River (including Long Tangle, Lower Tangle, Landlocked Tangle, Round Tangle, and Upper Tangle lakes)
514	Tanana River downstream from Nenana (mainstem only)
515	Tanana River between Delta Junction and Nenana (mainstem only)
516	Tanana River upstream from Delta Junction (mainstem only)
12	Volkmar Lake
9993	Other lakes (specify)
9994	Other streams (specify)

Fish Size Categories
 AREA U-V KING SALMON
 "Large" are 20 inches and over;
 "Small" are less than 20 inches.

V KUSKOKWIM RIVER- KUSKOKWIM BAY DRAINAGES

Saltwater

No.	Site Name
9992	Specify site names

Freshwater

Kuskokwim River upstream of Aniak R

No.	Site Name
301	Kuskokwim River drainages above Aniak River (specify)
6	Holitna River
134	George River
302	Lakes (specify)

Kuskokwim River downstream of Aniak R

No.	Site Name
310	Kuskokwim River drainages below Aniak River (specify)
5	Aniak River
43	Kisaralik River
19	Kwethluk River
312	Lakes (specify)

Kuskokwim Bay Streams and Lakes

No.	Site Name
88	Arolik River
3	Kanektok River
4	Goodnews River
321	Other streams (specify)
322	Lakes (specify)

**W SEWARD PENINSULA/
NORTON SOUND
AREA**

Saltwater

No. Site Name

9991 Specify site names

Freshwater

No. Site Name

- 20 Cripple River
- 11 Eldorado River
- 112 Fish River and tributaries (including Pargon, Rathlatulik, and Boston Creek; excluding Niukluk River)
- 210 Niukluk River and tributaries (below the ADF&G Tower)
- 211 Niukluk River and tributaries (above the ADF&G Tower, including Casadepaga River)
- 30 Flambeau River
- 14 Fox River
- 18 Kuzitrin River
- 4 Nome River
- 94 North River
- 6 Pilgrim River
- 41 Shaktoolik River
- 22 Sinuk River
- 12 Snake River
- 15 Solomon River
- 3 Unalakleet River
- 9994 Other streams (specify)
- 9993 Lakes (specify)

Fish Size Categories
AREAS W - Z KING SALMON
"Large" are 20 inches and over;
"Small" are less than 20 inches.

**X NORTHWEST
ALASKA
AREA**

Saltwater

No. Site Name

9991 Specify site names

Freshwater

No. Site Name

- 78 Desperation Lake
- 13 Feniak Lake
- 16 Kelly River
- 17 Kivalina River
- 4 Kobuk River
- 86 Kugururok River
- 32 Matcharak Lake
- 3 Noatak River
- 24 Selawik River
- 27 Squirrel River
- 28 Walker Lake
- 5 Wulik River
- 9994 Other streams (specify)
- 9993 Other lakes (specify)

Y YUKON RIVER DRAINAGE

Yukon R Drainage, Downstream from Koyukuk R

No. Site Name

- 147 Andreafsky River
- 148 Anvik River
- 182 Innoko River
- 247 Other sites Yukon River downstream from Koyukuk River (specify)

Yukon R Drainages, Koyukuk R to Ft Yukon

ACCESSED from Dalton Hwy (Haul Road)

No. Site Name

- 15 Jim River
- 400 Kanuti River (accessed from Dalton Highway)
- 410 Koyukuk River Middle Fork (accessed from Dalton Hwy)
- 420 Koyukuk River South Fork (accessed from Dalton Hwy)
- 899 Other streams accessed from Dalton Hwy (specify)
- 898 Other lakes accessed from Dalton Hwy (specify)

Yukon R Drainages, Koyukuk R to Fort Yukon

NOT ACCESSED from Dalton Hwy (Haul Road)

- 500 Kanuti River (not accessed from Dalton Hwy)
- 510 Koyukuk River Middle Fork (not accessed from Dalton Hwy)
- 520 Koyukuk River South Fork (not accessed from Dalton Hwy)
- 16 Koyukuk R mainstem (downstream from confluence with South Fork, not accessed from Dalton Hwy)
- 204 Nowitna River
- 94 Dall River
- 202 Beaver and Nome creeks (Steese Highway)
- 255 Birch Creek (Steese Highway)
- 24 Porcupine River Drainage
- 248 Other sites, Koyukuk R to Fort Yukon (specify)

Yukon R Drainages, Fort Yukon to Canadian Border

No. Site Name

- 249 Other Sites (specify)

**Z NORTH SLOPE/
BROOKS
RANGE AREA**

Saltwater

No. Site Name

9991 Specify site names

Freshwater

Lakes Near the Dalton Highway (Haul Road)

No. Site Name

- 60 Galbraith Lake
- 43 Toolik Lake
- 99 Other lakes (specify)

Streams Near the Dalton Highway (Haul Road)

No. Site Name

- 22 Ivishak River
- 76 Sagavanirtok River
- 100 Other streams (specify)

Remainder of North Slope/ Brooks Range Area

No. Site Name

- 53 Canning River
- 15 Colville River
- 9 Meade River
- 14 Kongakut River
- 9994 Other streams (specify)
- 9993 Other lakes (specify)

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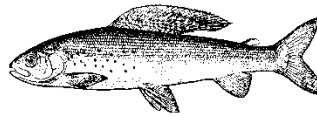


THANK YOU!

YOUR PARTICIPATION SUPPORTS SUSTAINABLE SPORT FISHERIES THROUGHOUT THE STATE OF ALASKA

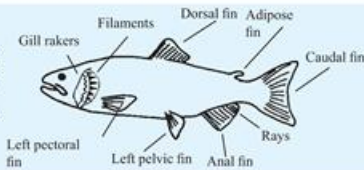
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HOW TO IDENTIFY SALMON, TROUT, AND OTHER SPECIES COMMONLY FOUND IN ALASKA



ALASKA'S WILD SALMON ARE FOUND IN BOTH FRESH AND SALTWATERS



King (Chinook) Salmon
Oncorhynchus tshawytscha

Small black spots on back and both lobes of tail. Gum line on lower jaw black. Less than 25 gill rakers, 15-17 anal fin rays. The largest of all Pacific salmon, 30-55 inches.



Silver (Coho) Salmon
Oncorhynchus kisutch

Small black spots usually occur only on upper lobe of tail and on back. Gum line on lower jaw not black. Scales large; less than 25 gill rakers, 13-15 anal fin rays. Size 24-28 inches.



Sockeye (Red) Salmon
Oncorhynchus nerka

No distinct black spots on back or tail; over 30-40 long, fine, serrated and closely spaced gill rakers over 12 anal fin rays. Relatively large eye. Size 18-24 inches.



Pink (Humpback) Salmon
Oncorhynchus gorbuscha

Large oval black spots on back and on both lobes of tail; scales very small; usually over 12 anal fin rays; males develop a pronounced hump during spawning. Size 15-24 inches.



Chum (Dog) Salmon
Oncorhynchus keta

No distinct black spots on back or tail; 18-28 smooth, short, stout, and widely spaced gill rakers; usually over 12 anal fin rays. Size 24-32 inches.



Steelhead
Oncorhynchus mykiss

Sea-run rainbow trout with bluish gray back and bright silvery sides. Small black spots on back, sides and tail. Pink/red coloration develops after returning to fresh water to spawn. Size several inches to over 40 inches.



Rainbow Trout
Oncorhynchus mykiss

Freshwater residents. Green to bluish black with silvery to yellowish-green sides. Broad pinkish band along side and black spots on back, sides, and tail. Upper jaw usually does not extend past eye.



Dolly Varden/Arctic Char
Salvelinus malma, S. alpinus

Round, red, pink or yellow spots on sides, tail slightly forked; 8-12 anal fin rays; no dark green wavy marks on back or dorsal fin. Arctic char occur from Bristol Bay to polar regions.



Lake Trout
Salvelinus namaycush

Body dark green to grayish with oval irregular white to yellowish spots on sides and back, tail deeply forked; 8-12 anal fin rays; no dark green wavy marks on back or dorsal fin.



Cutthroat Trout
Oncorhynchus clarki

Spots on body dark brown or black; 8-12 anal fin rays, no red band on sides; red to orange slash on underside of lower jaw; upper jaw extends well behind eye in adults.



Arctic Grayling
Thymallus arcticus

Dorsal fin much longer than in whitefish (especially in males) and fan-like. Rows of reddish to orange and/or purple to green spots on dorsal fin; sides of fish are black spotted; scales larger than in trouts.



Burbot
Lota lota

Two dorsal fins and one anal fin present; no adipose fin as in trouts, salmon, grayling and whitefish; pelvic fins very far forward and just under head; body long and tapering; barbel on chin.



Whitefish

Whitefish are distinguished from the trout and salmon by the small, weak, or absent teeth and the presence of large scales; distinguished from Arctic grayling by the much smaller dorsal fin.



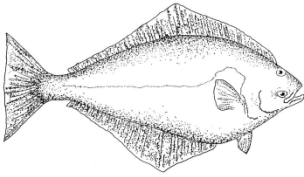
Northern Pike
Esox lucius

Dorsal and anal fins positioned rearward; no adipose fin as in trouts, salmon, grayling and whitefish; long flattened jaws with large mouth and many sharp teeth, sides are yellowish gray.

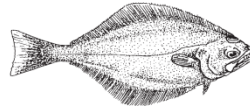
Several common species that occur in AK are the **round** and **humpback** whitefish, **least cisco**, and **sheefish**. A sheefish is shown.

SALTWATER SPECIES COMMONLY FOUND IN ALASKA

FLATFISH



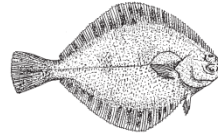
Pacific Halibut
Hippoglossus stenolepis
More elongated than most flatfishes, with width being about one-third the length. Adults have both eyes on their dark or upper side. Color on the dark side tends to assume the coloration of the ocean bottom. The underside is lighter, often white.



Arrowtooth Flounder
Atheresthes stomias
Large mouth and numerous sharp teeth. Little arching of lateral line. Upper eye reaches top of head. Length to 34 inches.



Starry Flounder
Platichthys stellatus
Black and yellow to orange bands on fins. Length to 36 inches.



Rock Sole
Lepidopsetta bilineata
Lateral line arched over pectoral fin. Jaw does not extend below middle of eye. Length to 24 inches.

ROCKFISH

More than 30 species occur in Alaska's coastal waters, and about a dozen are commonly taken in Alaska sport fisheries, including **yelloweye, black, dusky, quillback, copper, tiger, china, canary, redstripe, silvergray, rougheye** and **shortraker** rockfish. These fish are characterized by having bony plates or spines on the head and body, a large mouth, and pelvic fins attached forward near the pectoral fins. The spines are venomous, and although not extremely toxic, can cause pain and infection. Some species are brightly colored, and many are difficult to distinguish from one another.



Black Rockfish
Sebastes melanops
Often misnamed "black bass". Dark gray to black with dusky white belly. Jaw extends to rear of eye. Up to 25 inches.



Yelloweye Rockfish
Sebastes ruberrimus
Also called red snapper. Orange red and orange yellow, with bright yellow eye. Size up to 36 inches. This is a non-pelagic rockfish; bottom dwelling and found on or near the ocean floor.



Dusky Rockfish
Sebastes ciliatus
There are both dark colored species (uniformly black, no white belly), and light dusky rockfish (brownish body color, whitish belly).



Copper Rockfish
Sebastes caurinus
Olive brown to copper with pink or yellow blotches, white on sides and belly. Up to 22 inches. Non-pelagic.

OTHER SALTWATER SPECIES



Lingcod
Ophiodon elongatus
Brown to reddish-brown with spots or blotches. Sharp teeth. Elongated body, large head and mouth, no barbel. Single dorsal fin, notched past the middle of its length. Can grow to 5 ft.



Kelp Greenling
Hecagrammos decagrammus
In the same family as lingcod, but lacking rigid spines on the dorsal fin. Male kelp greenling have irregular blue spots; females are various shades of golden yellow on their heads and fins. Only grow to about 21 inches.



Pacific Cod, Tomcod, and Pollock
All have three distinct dorsal fins, and two anal fins. No rigid spines on their fins. Small teeth. Pacific cod and tomcod have a prominent barbel beneath their chin; on pollock it is very small or absent. Pacific cod grow to 40 inches.



Sablefish, also known as "Black Cod"
Anoplopoma fimbria
Sablefish, commonly known as black cod, have a streamlined, elongated body, black to dark gray above fading to gray or white in the belly, with two dorsal fins and small teeth. Larger fish found in deep water, can grow to 40 inches.

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