

Fishery Management Report No. 14-22

**Annual Summary of the Commercial Salmon Fisheries
and Salmon Escapements in the Alaska Peninsula,
Aleutian Islands, and Atka-Amlia Islands
Management Areas, 2013**

by

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May 2014

Alaska Department of Fish and Game

Divisions of Sport Fish and Commercial Fisheries



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Weights and measures (metric)		General		Mathematics, statistics	
centimeter	cm	Alaska Administrative Code	AAC	<i>all standard mathematical signs, symbols and abbreviations</i>	
deciliter	dL	all commonly accepted abbreviations	e.g., Mr., Mrs., AM, PM, etc.	alternate hypothesis	H_A
gram	g	all commonly accepted professional titles	e.g., Dr., Ph.D., R.N., etc.	base of natural logarithm	e
hectare	ha	at	@	catch per unit effort	CPUE
kilogram	kg	compass directions:		coefficient of variation	CV
kilometer	km	east	E	common test statistics	(F, t, χ^2 , etc.)
liter	L	north	N	confidence interval	CI
meter	m	south	S	correlation coefficient (multiple)	R
milliliter	mL	west	W	correlation coefficient (simple)	r
millimeter	mm	copyright	©	covariance	cov
		corporate suffixes:		degree (angular)	°
Weights and measures (English)		Company	Co.	degrees of freedom	df
cubic feet per second	ft ³ /s	Corporation	Corp.	expected value	E
foot	ft	Incorporated	Inc.	greater than	>
gallon	gal	Limited	Ltd.	greater than or equal to	≥
inch	in	District of Columbia	D.C.	harvest per unit effort	HPUE
mile	mi	et alii (and others)	et al.	less than	<
nautical mile	nmi	et cetera (and so forth)	etc.	less than or equal to	≤
ounce	oz	exempli gratia (for example)	e.g.	logarithm (natural)	ln
pound	lb	Federal Information Code	FIC	logarithm (base 10)	log
quart	qt	id est (that is)	i.e.	logarithm (specify base)	log ₂ , etc.
yard	yd	latitude or longitude	lat. or long.	minute (angular)	'
		monetary symbols (U.S.)	\$, ¢	not significant	NS
Time and temperature		months (tables and figures): first three letters	Jan, ..., Dec	null hypothesis	H_0
day	d	registered trademark	®	percent	%
degrees Celsius	°C	trademark	™	probability	P
degrees Fahrenheit	°F	United States (adjective)	U.S.	probability of a type I error (rejection of the null hypothesis when true)	α
degrees kelvin	K	United States of America (noun)	USA	probability of a type II error (acceptance of the null hypothesis when false)	β
hour	h	U.S.C.	United States Code	second (angular)	"
minute	min	U.S. state	use two-letter abbreviations (e.g., AK, WA)	standard deviation	SD
second	s			standard error	SE
				variance	
Physics and chemistry				population	Var
all atomic symbols				sample	var
alternating current	AC				
ampere	A				
calorie	cal				
direct current	DC				
hertz	Hz				
horsepower	hp				
hydrogen ion activity (negative log of)	pH				
parts per million	ppm				
parts per thousand	ppt, ‰				
volts	V				
watts	W				

FISHERY MANAGEMENT REPORT NO. 14-22

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ALEUTIAN ISLANDS, AND ATKA-AMLIA ISLANDS MANAGEMENT
AREAS, 2013**

by

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May 2014

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This document should be cited as:

Wilburn, D. M. 2014. Annual summary of the commercial salmon fisheries and salmon escapements in the Alaska Peninsula, Aleutian Islands, and Atka-Amlia Islands Management Areas, 2013. Alaska Department of Fish and Game, Fishery Management Report No. 14-22, Anchorage.

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ABSTRACT

This report summarizes the 2013 commercial salmon fisheries of the Alaska Peninsula, Aleutian Islands, and Atka-Amlia Islands Management areas. The commercial salmon harvest in the Alaska Peninsula Area consisted of 7,223 Chinook *Oncorhynchus tshawytscha*, 2,956,136 sockeye *O. nerka*, 320,639 coho *O. kisutch*, 7,804,255 pink *O. gorbuscha*, and 1,077,703 chum salmon *O. keta*. The total exvessel value in the Alaska Peninsula was approximately \$33,200,000. No harvest occurred in the Aleutian Islands or Atka-Amlia Management Area (Area F) in 2013.

The 2013 North Alaska Peninsula Chinook salmon escapement of 4,346 fish was well below the most recent 10-year average (2003–2012) of 20,249 fish. The total 2013 sockeye salmon escapement for the Alaska Peninsula of 1,047,786 fish was also below the 10-year average of 1,189,100 fish. The North Peninsula sockeye salmon escapements (1,010,400 fish) met or surpassed most escapement goals and was slightly below the 10-year average of 1,081,344 fish. The South Alaska Peninsula sockeye salmon escapement of 37,386 fish was well below the most recent 10-year average of 107,756 fish. Limited aerial surveys were flown for coho salmon on the Alaska Peninsula, therefore total estimated escapements were not calculated. The South Alaska Peninsula pink salmon estimated escapement of 2,320,790 fish was below the 2003–2012 average of 3,589,306 fish. The entire Alaska Peninsula chum salmon escapement of 732,651 fish was below the most recent 10-year average of 972,149 fish.

Key words: Fishery management report, Aleutian Islands, Atka-Amlia Islands, Alaska Peninsula, Area M, Area F, exvessel value, escapement, aerial surveys, commercial salmon fishery, subsistence salmon fishery, personal use salmon fishery, Chinook salmon, *Oncorhynchus tshawytscha*, sockeye salmon, *Oncorhynchus nerka*, coho salmon, *Oncorhynchus kisutch*, pink salmon, *Oncorhynchus gorbuscha*, chum salmon, *Oncorhynchus keta*

INTRODUCTION

This report is a summary of commercial salmon exvessel value, harvest, and salmon escapement information for the Alaska Peninsula and Aleutian Islands (Area M) as well as Atka-Amlia Islands (Area F). In addition, this report provides historical information for comparison to recent harvest and escapement information. Further details of commercial harvests and escapements can be found in the following reports: (1) *North Alaska Peninsula Commercial Salmon Annual Management Report, 2013* (Wilburn and Murphy 2014), (2) *South Alaska Peninsula Salmon Annual Management Report, 2013* (Poetter and Nichols *In prep*) and (3) *Aleutian Islands and Atka-Amlia Islands Management Areas Annual Salmon Management Report, 2013* (Nichols and Poetter *In prep*). Appendices of this report contain reference information including exvessel value information (Appendix A), commercial harvest information (Appendix B), escapement information (Appendix C), method for estimating total escapement (Appendix D), and an Alaska Department of Fish and Game (ADF&G) personnel list for the Alaska Peninsula (Appendix E). A separate report (Moore *In prep*) will provide estimated 2013 catch and escapement age, sex, and length data information. The Alaska Peninsula and Aleutian Islands Management Areas (collectively referred to as Area M) and the Atka-Amlia Management Area (Area F) are divided into four subareas: (1) the North Alaska Peninsula (5 AAC 09.100), consisting of Bering Sea waters extending west from Cape Menshikof to Cape Sarichef on Unimak Island; (2) the South Alaska Peninsula (5 AAC 09.100), consisting of Pacific Ocean coastal waters extending west of Kupreanof Point to Scotch Cap on Unimak Island; (3) the Aleutian Islands (5 AAC 12.100), consisting of the Bering Sea and Pacific Ocean waters of the Pribilof Islands and the Aleutian Islands west of Unimak Island and exclusive of the Atka-Amlia Management Area; and 4) the Atka-Amlia Management Area (5 AAC 11.101), consisting of Bering Sea and Pacific Ocean waters extending west of Seguam Pass (long 172°50.00' W) and east of Atka Pass (long 175°23.00' W; Figure 1). Managers in each geographical region are responsible for reporting the harvest and escapement that occur within its boundaries.

There are three seasonally staffed ADF&G offices in the Alaska Peninsula Management Area located in Sand Point, Cold Bay, and Port Moller (Figure 2; Appendix E1). Historically, most of the Alaska Peninsula and Aleutian Islands commercial salmon fishery management was directed from the Cold Bay office. In 1990, the Sand Point staff assumed responsibility for managing salmon in the Southeastern District (Figure 3). In 1992, the Port Moller staff assumed responsibility for managing salmon in the Herendeen-Moller Bay, Port Moller Bight, Bear River, Three Hills, and Ilnik sections (Figure 4) of the Northern District. In 2005, the Port Moller staff also assumed responsibility for managing salmon in the Cinder River, Inner Port Heiden, Nelson Lagoon, and Black Hills sections (Figure 4). In 2005, management was restructured and the Sand Point Area Management Biologist assumed management of the Northwestern, Unimak, and Southwestern districts of the Alaska Peninsula with support from the Cold Bay office. The Aleutian Islands and Atka-Amlia Islands Management Areas salmon fisheries are managed cooperatively by staff in Cold Bay and Sand Point (Figures 2–6) with assistance from the Dutch Harbor office. The balance of the South Alaska Peninsula portion of Area M is managed from the Sand Point office.

COMMERCIAL FISHERIES

A list of commercial salmon statistical areas is provided in Appendix A1 for reference to the ADF&G statistical maps and the electronic fish ticket database. Physical descriptions of the districts and sections are given in 5 AAC 09.200, 5 AAC 11.101, and 5 AAC 12.200. Legal salmon gear types allowed in the Alaska Peninsula Management Area include seine, drift gillnet, and set gillnet (5 AAC 09.330). Portions of the Alaska Peninsula Management Area are closed to one or two of the three gear types. Purse, beach, and hand seines are the only legal commercial fishing method for salmon in the Aleutian Islands Management Area (5 AAC 12.330). In the Atka-Amlia Area, salmon may be taken by purse seine and set gillnet only (5 AAC 11.333).

Commercial salmon fisheries in the Alaska Peninsula Area date back to at least 1882 when canneries were reportedly constructed on the South Alaska Peninsula at Orzinski (Orzenoi) Bay and Thin Point Cove (Freeburn 1976). However, the earliest catch records for the Alaska Peninsula Management Area date back to 1906 (Figures 7–11; Appendix B1). Early season catches on the Alaska Peninsula were predominantly sockeye salmon with minimal Chinook and coho salmon harvest. Both pink and chum salmon harvests exceeded 500,000 fish for the first time in 1916. Salmon stocks targeted throughout Area M vary throughout the season. Salmon harvested in the South Unimak and Shumagin Islands June fisheries include stocks migrating to a wide range of locations, including Japan, Russia, Alaska Peninsula, South Central Alaska, Bristol Bay, and the Arctic-Yukon-Kuskokwim regions (5 AAC 09.365). The Southeastern District Mainland, located southwest of the Chignik Management Area, is managed primarily on the basis of the Chignik River sockeye salmon run prior to July 26 (Figure 3; 5 AAC 09.360). The remaining fisheries are managed on the basis of local run strength and escapements such as the sockeye salmon fishery on the North Alaska Peninsula and the South Alaska Peninsula pink and chum salmon fisheries.

The Cinder River and Inner Port Heiden sections, as well as the Ilnik Lagoon portion of the Ilnik Section, on the North Alaska Peninsula comprise an overlap area where both Alaska Peninsula (Area M) and Bristol Bay (Area T) permit holders are allowed to fish during certain periods (Figure 4; 5 AAC 39.120(d)). Area M permit holders are allowed to fish anytime during open fishing periods in the overlap area. Area T permit holders may fish during open fishing periods

from January 1 through December 31 in the Cinder River and Inner Port Heiden sections. Area T fishermen may fish in Ilnik Lagoon during open fishing periods from August 1 through December 31.

EXVESSEL VALUE

In 2013, seven companies purchased salmon from Area M fishermen (Appendix A2) with an estimated salmon harvest value (exvessel) for all gear types of \$33,248,343 (Appendix A3). This was above the previous 10-year average (2003–2012) of \$21,524,427 (Appendix A4). The South Unimak and Shumagin Islands June fisheries harvest had a exvessel value of \$11,376,961 or approximately 34% of the entire Area M earnings in 2013 (Appendix A3). The exvessel value for the North Alaska Peninsula was approximately \$5,300,785 or about 16% of the total Area M value (Appendix A3). The total South Peninsula exvessel value, including the South Unimak and Shumigan Islands June fishery as well as the Post-June and Southeastern District Mainland fisheries was \$28,144,408 or approximately 84% of the total Area M exvessel value (Appendix A3). Drift gillnet permit holders accounted for the most sockeye salmon landings in 2013 (exvessel value \$9,901,890) followed by seine (\$7,013,518) and set gillnet permit holders (\$4,324,702; Appendix A4). Sockeye salmon provided the majority of the exvessel revenues (\$21,240,110) for fishermen in Area M and accounted for about 64% of the total value of all salmon landings in 2013.

In 2013, the average exvessel price per pound for coho and pink salmon were similar to 2012 prices (Appendix A5). The price per pound for Chinook and chum salmon were both less than the 2012 prices yet higher than the most recent 10-year averages. The average exvessel price per pound for sockeye salmon (\$1.22) was higher than the 2012 price and nearly double the most recent 10-year average of \$0.69 per pound. The average weights remained similar to past years for each species except for Chinook salmon (Appendix A5). Chinook salmon average weight decreased from 16.0 pounds in 2012 to 11.9 pounds in 2013.

HARVEST

In 2013, 61 of the 119 available seine, 133 of 162 available drift gillnet, and 90 of 113 available set gillnet Area M permits were fished (Appendix A6). The number of permits fished for drift and set gillnets was similar to the most recent 10-year average while the number of seine permits fished was slightly above the 10-year average. No Area T permit holders fished in the overlap areas in 2013 (Appendix A7).

The Alaska Peninsula 2013 commercial salmon harvest (excluding test fishery harvests) was 7,223 Chinook salmon, 2,956,136 sockeye salmon, 320,639 coho salmon, 7,804,255 pink salmon, and 1,077,703 chum salmon for a total of 12,165,956 fish (Figures 7–11; Appendices B1 and B2). The 2013 total harvest was slightly above the 2003–2012 average commercial salmon harvest of 11,778,599 fish. In 2013, the harvest of all species except Chinook and sockeye salmon were above the most recent 10-year averages. Chinook salmon harvest was about 33% below while the sockeye salmon harvest was 26% below the 10-year average. The 2013 harvest for coho and pink salmon were 27% and 17% above the 10-year average harvest, respectively. The 2013 chum salmon harvest was similar to the 10-year average harvest of 1,042,339 fish (Appendix B1). The 2013 harvest information, by area, can be found in Appendix B2.

During 2013, in the Alaska Peninsula Area, seine permit holders harvested approximately 69% of the Chinook salmon, 33% of the sockeye salmon, 49% of the coho salmon, 96% of the pink

salmon, and 71% of the chum salmon (Appendix B3). Drift gillnet permit holders harvested approximately 20% of the Chinook salmon, 48% of the sockeye salmon, 38% of the coho salmon, 1% of the pink salmon, and 22% of the chum salmon (Appendix B3). Set gillnet permit holders harvested about 12% of the Chinook salmon, 19% of the sockeye salmon, 12% of the coho salmon, 3% of the pink salmon, and 7% of the chum salmon (Appendix B3).

In 2013, ADF&G test fisheries were conducted in the Shumagin Islands on the South Alaska Peninsula (Figure 3) and near the mouth of Bear River on the North Peninsula (Figure 4). The Shumagin Island test fishery was conducted in early July to estimate immature salmon abundance that may be caught in the commercial fishery incidental to the targeted mature fish. The Bear River test fishery was conducted in early August to assess the strength of the Bear River late run which begins August 1. Results of the test fisheries are detailed in Appendix B4.

In 1991, the Alaska Board of Fisheries, created an open-to-entry set gillnet salmon fishery around the Atka and Amlia islands (Area F). Area M Commercial Fisheries Entry Commission (CFEC) seine permit holders may still seine for salmon in the Atka-Amlia Islands Area (5 AAC 11.333). However, since 1991 a commercial salmon harvest has only occurred four times in Area F, the most recent being in 1996.

ESCAPEMENT

The Alaska Peninsula Management Area has approximately 307 salmon spawning streams, which includes the tributaries of some large systems (McCullough 2001). The South Alaska Peninsula has approximately 224 salmon producing systems, with sockeye salmon found in 37 systems, pink salmon in 204 systems, and chum salmon in 136 systems. A total of approximately 82 coho salmon producing systems have been documented in the South Alaska Peninsula; however, due to budget limitations and poor fall survey conditions, many streams have never been surveyed when coho salmon may be present. The North Alaska Peninsula has approximately 83 salmon producing systems, with Chinook salmon found in 21 systems, sockeye salmon in 55 systems, and pink salmon in at least 39 systems (McCullough 2001). Chum salmon are present in 73 North Alaska Peninsula systems, and coho salmon have been identified in 50 systems.

The Aleutian Islands and Atka-Amlia Islands Management areas have at least 335 salmon systems, with sockeye salmon present in 45, pink salmon in 319, chum salmon in 11, and coho salmon in at least 35 systems (Murphy 1992).

Most salmon escapement estimates are derived from aerial surveys; although, the major sockeye salmon systems are monitored with weirs. In 2013, five salmon enumeration weirs were operated by ADF&G in the Alaska Peninsula Management Area: Orzinski Lake, and Ilnik, Bear, Nelson, and Sandy rivers (Figure 2). McLees Lake weir in the Aleutian Islands Management Area on McLees Lake (Figure 6) was operated by ADF&G in cooperation with the Qawalangin Tribe of Unalaska.

A tripod salmon enumeration weir was operated by ADF&G at Orzinski Lake from 1929 through 1941, and then re-established in 1990 (Figure 2). A weir is important because the Orzinski Lake sockeye salmon run is used to determine fishing time for the Northwest Stepovak Section, and there are difficulties involved with estimating fish from the air (Shaul et al. 1991).

A tripod salmon enumeration weir was installed at Ilnik River (Figure 2) in 1990 due to difficulties with estimating salmon abundance from the air, and the need to determine fishing

periods for both the Ilnik Lagoon fishery (predominantly set gillnet gear) and the Ilnik Section outside the lagoon (predominantly drift gillnet gear). However, the 450-foot long Ilnik River weir was difficult to install and maintain, making it challenging to obtain quality escapement data. The weir was modified in 1996 to a floating panel weir. The floating panel weir was easier to install and maintain, and remains the current method for enumerating salmon in the Ilnik River (Shaul and Berceci 1997).

A sockeye salmon weir was first operated on Bear River from 1929 through 1932. During this time period, the weir was placed immediately above the mouth of the Milky River (locally called the Mad Sow River). This weir was difficult to construct and supply, and was not operated long enough during the season to estimate the total sockeye salmon escapement. From 1933 through 1952 no salmon enumerating structure was operated at Bear River. From 1953 through 1960 a weir was operated near the current weir location, close to the lake outlet (Figure 2). From 1961 through 1985, a counting tower replaced the weir. Since 1986, a tripod weir has again been used to enumerate Bear River sockeye salmon near the outlet of the lake.

A counting tower was used to enumerate salmon on the Nelson (Sapsuk) River from 1962 through 1988 (Figure 2). In 1989, the tower was replaced with the currently operating floating weir.

A counting tower was operated on the Sandy River from 1962 through 1964. After 1964, the Sandy River tower project was abandoned due to budget cuts and the fact that the river was often too muddy to count fish from a tower. Since 1994, a tripod weir has been operated on the Sandy River (Figure 2).

Sockeye salmon escapement into McLees Lake has been monitored by aerial surveys since 1967 (Hildreth and Finkle 2011). However, due to poor weather conditions, lack of aircraft availability and other factors, it is difficult to consistently and accurately monitor escapement. Sockeye salmon returning to McLees Lake are an important subsistence resource for residents of Unalaska and in 2001, the United States Fish and Wildlife Service (USFWS) Kenai Field Office and the Qawalangin Tribe of Unalaska entered into a partnership to monitor sockeye salmon returns. The USFWS operated the McLees Lake weir from 2001–2011, ADF&G took over operation of the weir in 2012. The weir is typically operated from early June through late July. A grant from the Alaska Sustainable Salmon Fund provided ADF&G with funding to run the project for the 2012–2014 seasons. The partnership with the Qawalangin tribe continued through the projects transfer from USFWS to ADF&G and the weir is now staffed seasonally by an ADF&G technician and a technician from the Qawalangin tribe.

Estimated escapements for Chinook, sockeye, pink, and chum salmon for the North and South Alaska Peninsula are presented in Appendix C1. Aerial surveys are used to estimate escapement in systems without a weir and to monitor historical trends in annual escapements. When presented in other sections of this report, coho salmon numbers are expressed in peak values (the largest number of coho salmon observed in a system in a given year). Escapement estimates in the text are estimated escapements derived from aerial surveys, except for tower or weir counts on the following systems: Bear River and Nelson River (sockeye salmon) from 1962–2013, Orzinski River (sockeye salmon) from 1990–2013, Ilnik River (sockeye salmon) from 1991–2013, Sandy River (sockeye salmon) from 1994–2013, Thin Point Cove (sockeye salmon) from 1994–1998, and Middle Lagoon (sockeye salmon) in 1996. The estimated escapement values are likely lower than the actual total escapement as aerial surveys typically underestimate

escapement numbers. There are differences after 1984 between escapement figures used in area management reports and those in some formally published reports (technical data reports, bulletins, etc.) due to the use of different methods to estimate escapement. Estimated Chinook, sockeye, pink, and chum salmon escapements from 1962 through 2013 are presented in Figures 12–15.

In 2013, the Alaska Peninsula estimated Chinook salmon escapement of 4,346 fish was approximately 79% below the previous 10-year average of 20,249 fish (Figure 12; Appendix C1). The estimated 2013 sockeye salmon escapement of 1,047,786 fish was 22% below the previous 10-year average of 1,189,100 fish (Figure 13; Appendix C1). The 2013 estimated pink salmon escapement was 2,328,973 fish, with 99% of that escapement occurring on the South Alaska Peninsula (2,320,790 fish). The South Alaska Peninsula pink salmon escapement was approximately 33% below the 2003–2012 average of 3,660,466 fish (Figure 14; Appendix C1). The 2013 Alaska Peninsula estimated total chum salmon escapement of 732,651 fish was about 25% below the previous 10-year average of 972,149 fish (Figure 15; Appendix C1). Coho salmon escapement data collected in 2013 were incomplete due to a variety of reasons (inclement weather, end of field season, etc.) but are presented in subsequent sections of the Alaska Peninsula Management Reports. Due to cost, logistics, and low availability of suitable aircraft, complete escapement data are not available in the Aleutian Islands and Atka-Amlia Islands areas. For further detailed escapement information including age, sex, and length composition refer to the *Alaska Peninsula Management Area Salmon Escapement and Catch Sampling Results, 2013* (Moore *In prep*).

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- Wilburn, D. M., and R. L. Murphy. 2014. North Alaska Peninsula commercial salmon annual management report, 2013. Alaska Department of Fish and Game, Fishery Management Report No. 14-16, Anchorage.

FIGURES

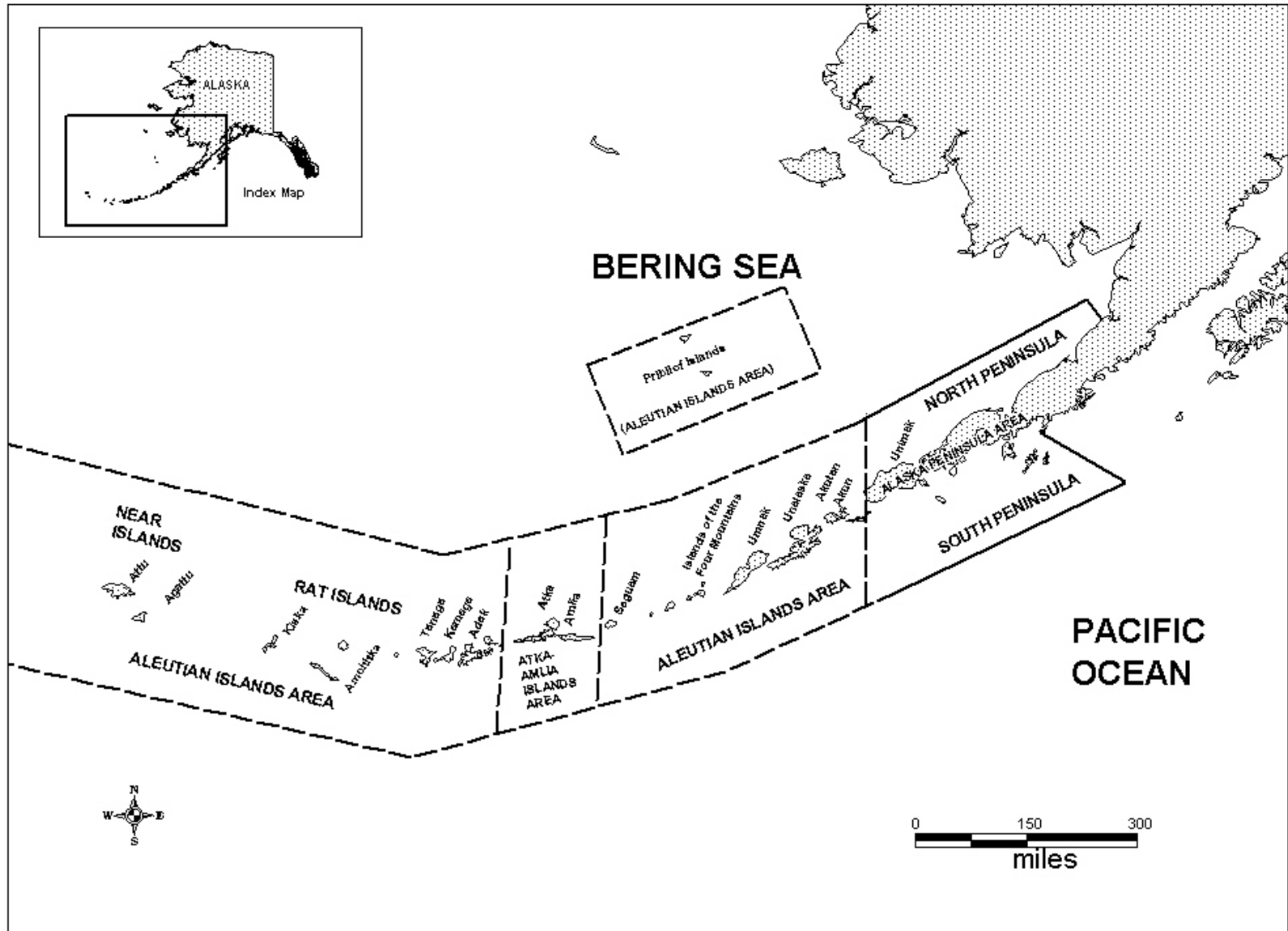


Figure 1.—Map of the Aleutian Islands, Atka-Amlia Islands, and Alaska Peninsula Management areas.

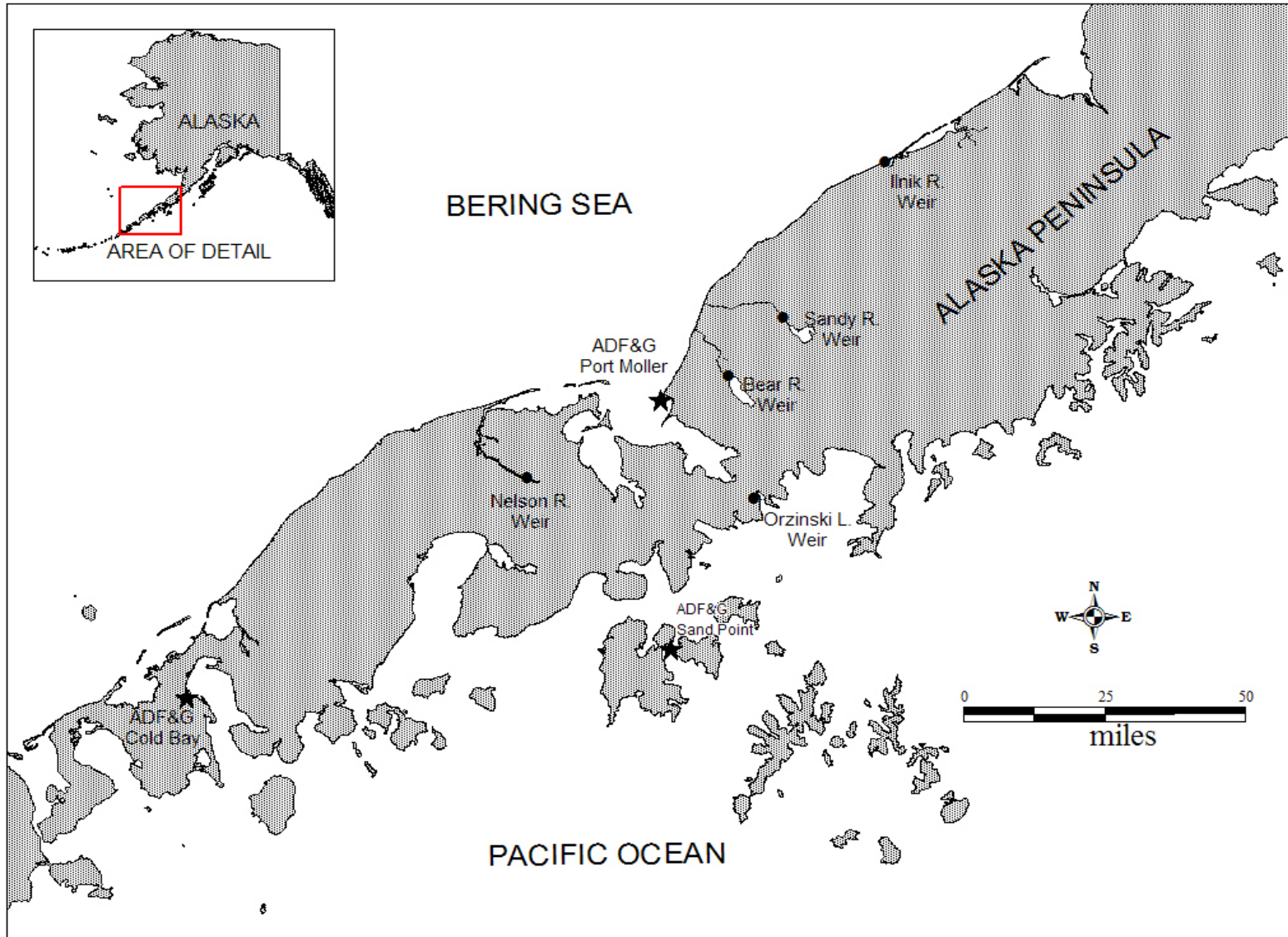


Figure 2.—Map of the Alaska Peninsula ADF&G weir and regional office locations.

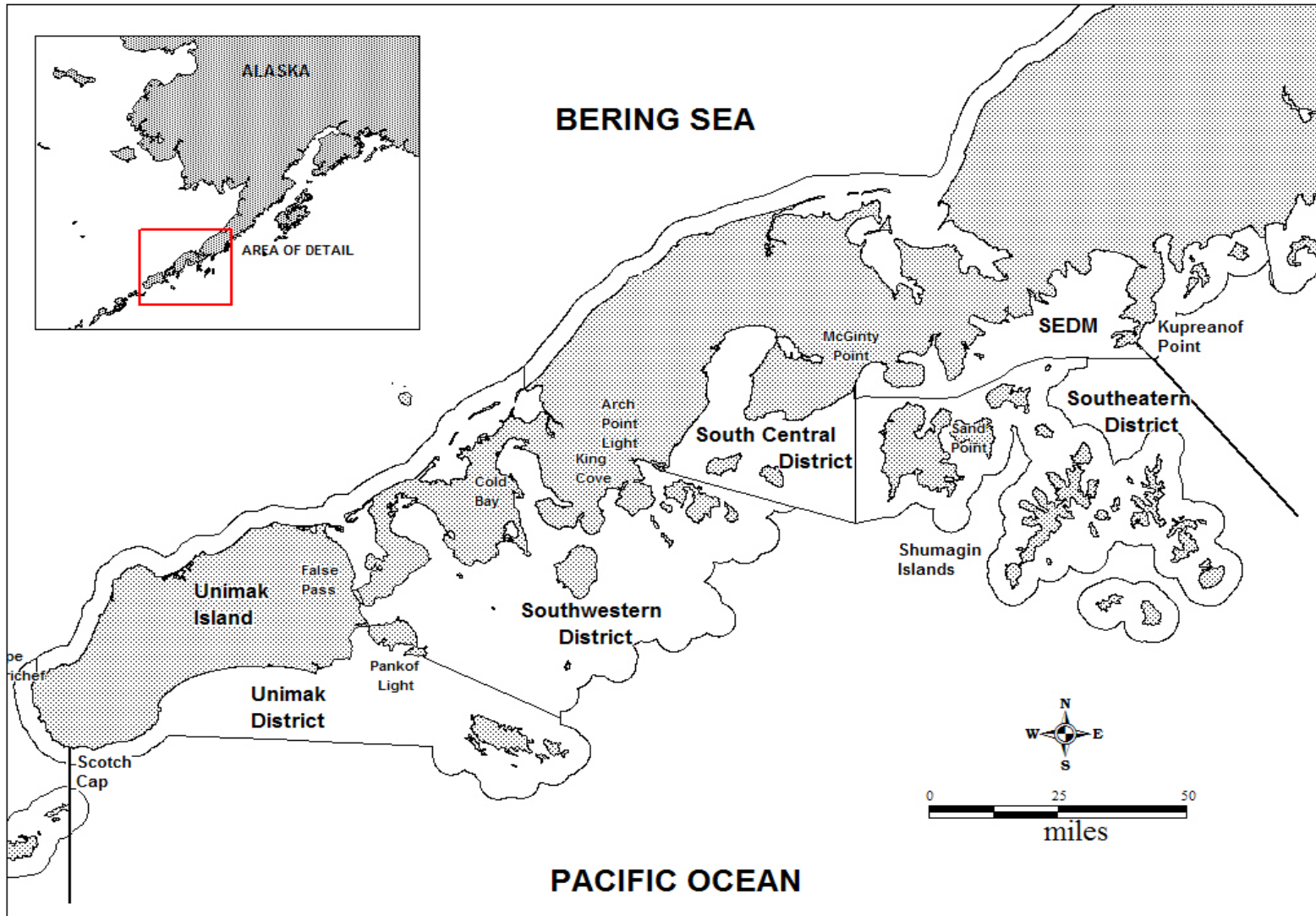


Figure 3.—Map of South Alaska Peninsula commercial salmon fishing districts.

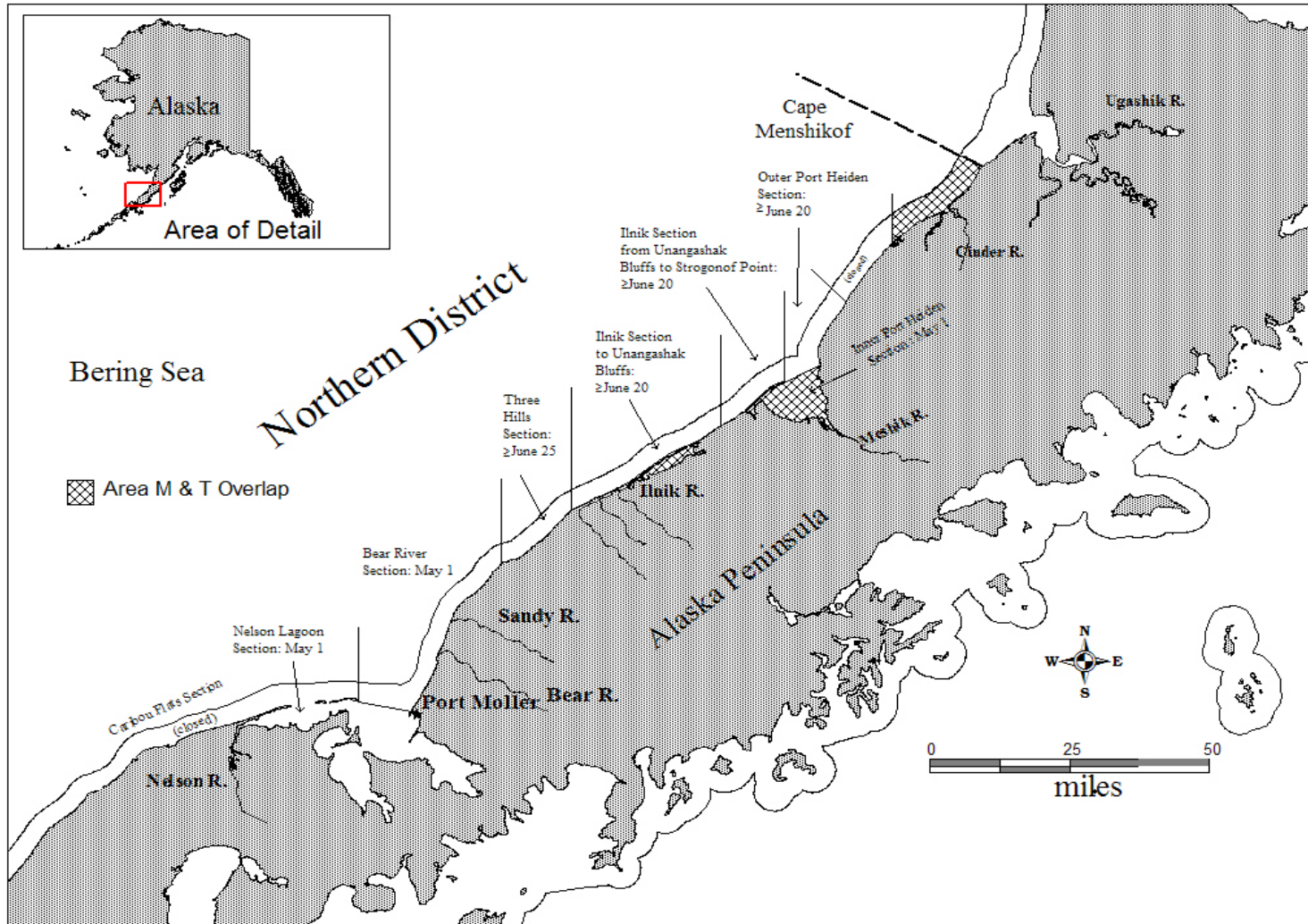


Figure 4.—Map of Nelson Lagoon to Cape Menshikof, showing commercial salmon fishing sections, season opening dates, area M and T overlap and major sockeye salmon systems.

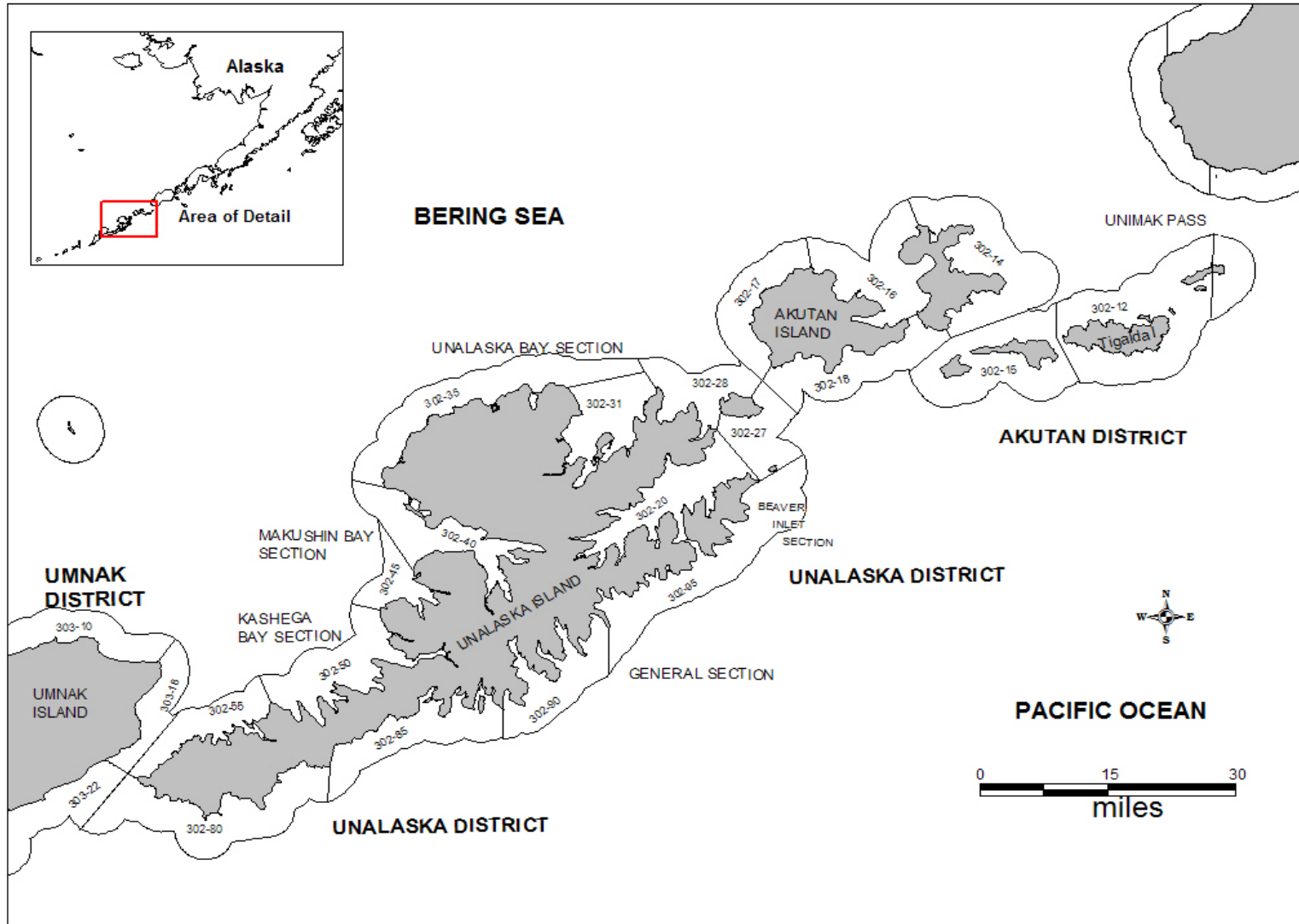


Figure 5.—Map of Unalaska and Akutan commercial salmon fishing districts and sections.

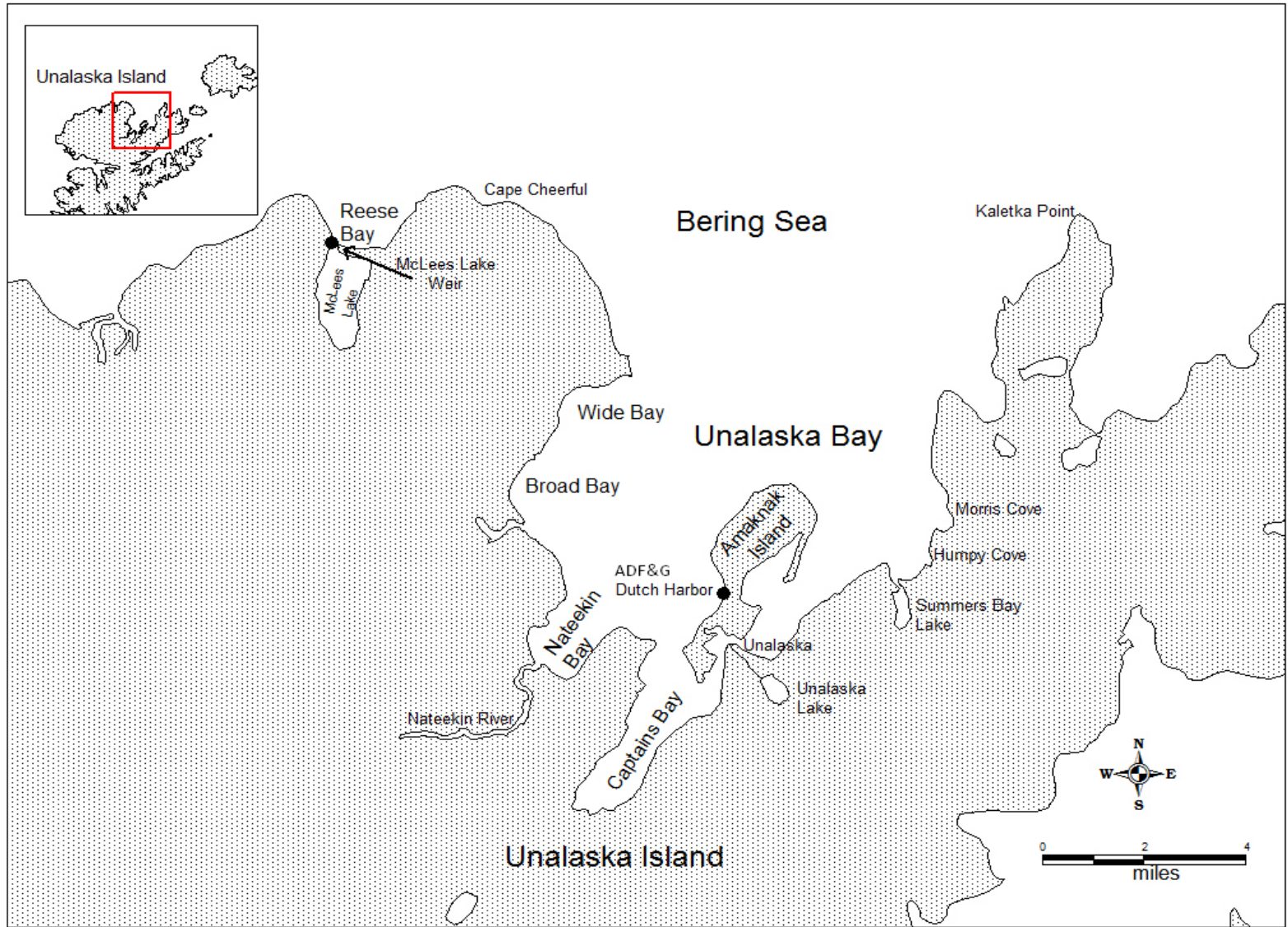


Figure 6.–Map of McLees Lake weir and ADF&G Dutch Harbor office.

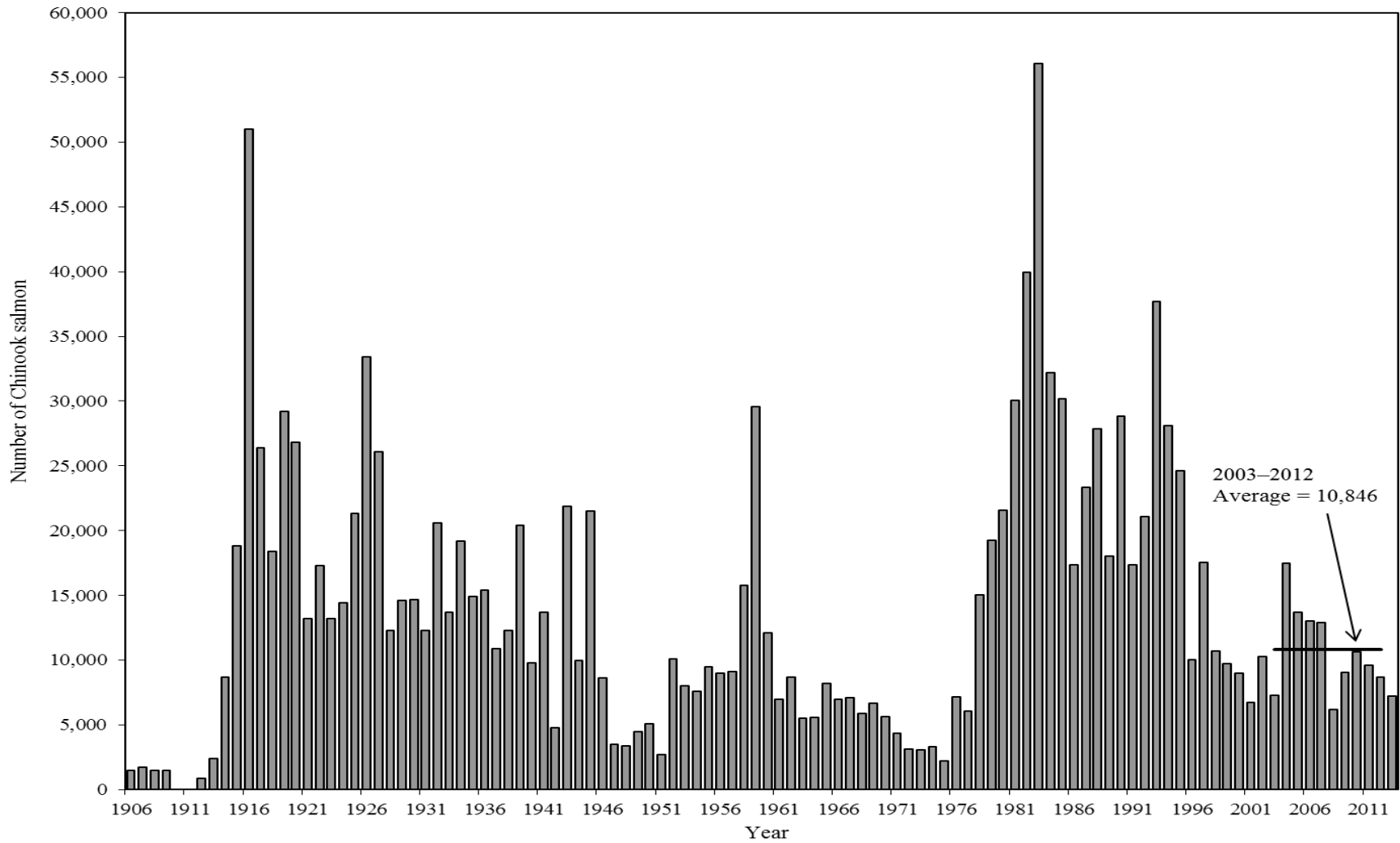


Figure 7.—The combined Alaska Peninsula, Aleutian Islands, and Atka-Amlia Islands areas harvest of Chinook salmon by year, 1906–2013.

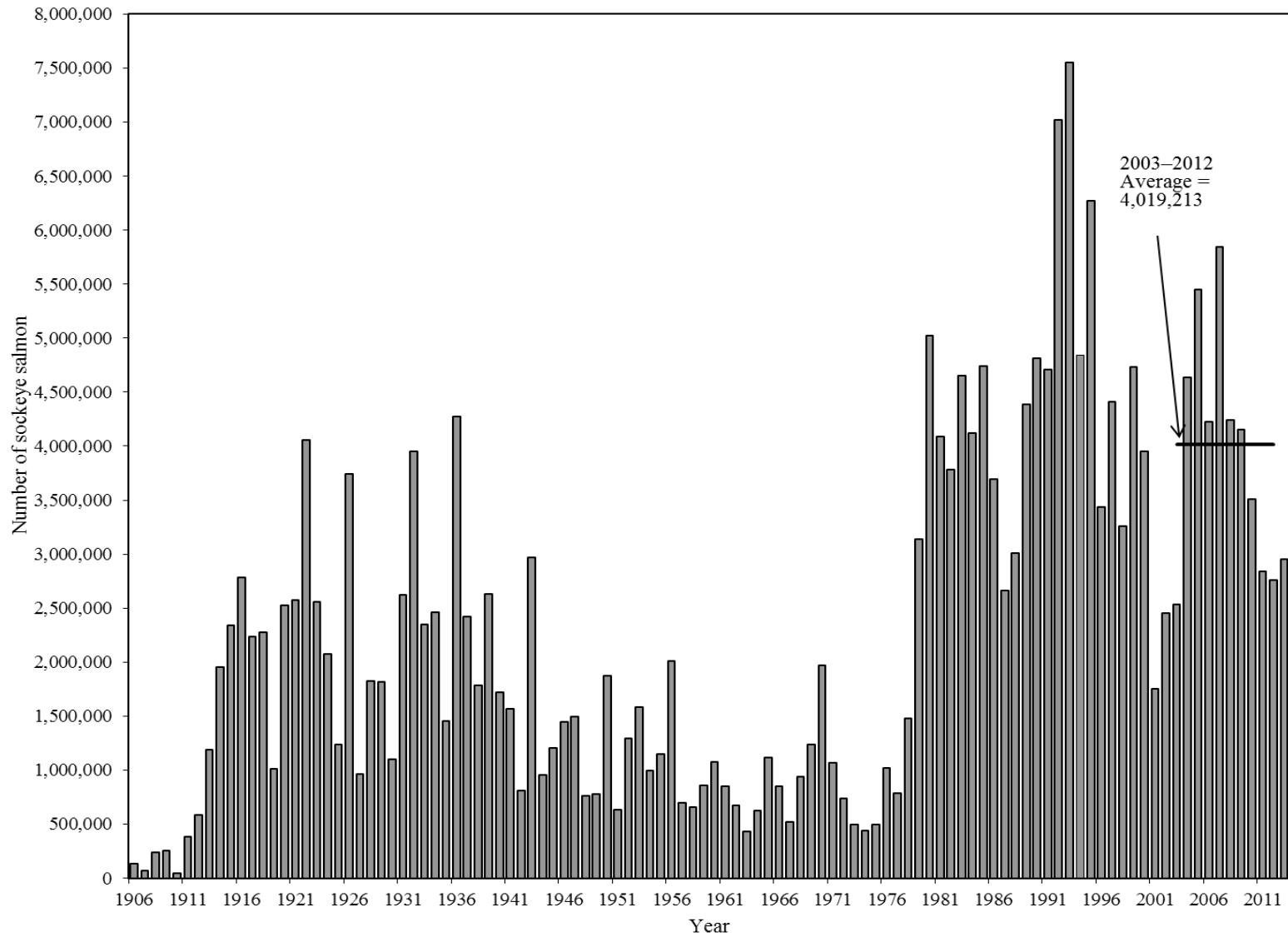


Figure 8.—The combined Alaska Peninsula, Aleutian Islands, and Atka-Amlia Islands areas harvest of sockeye salmon by year, 1906–2013.

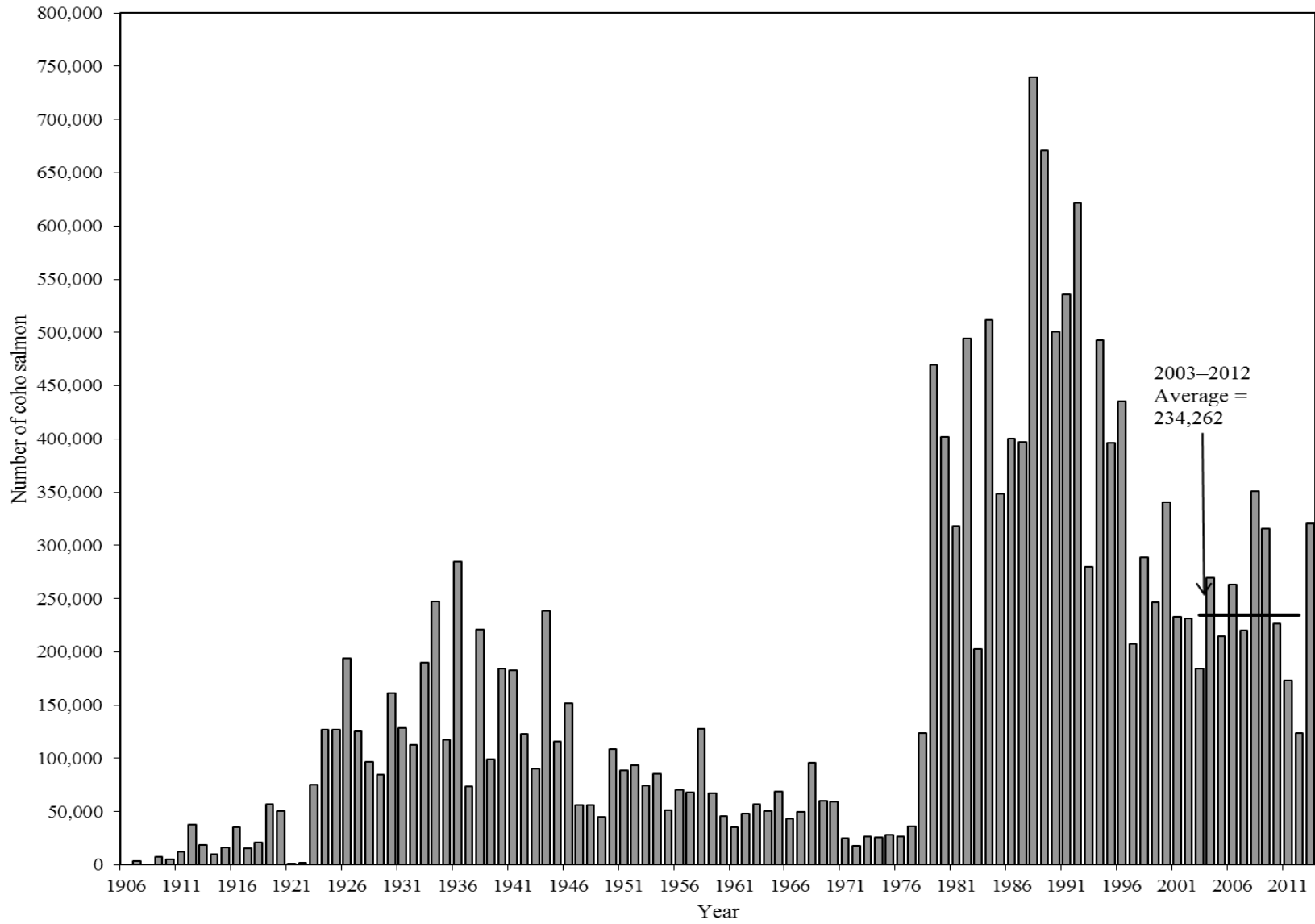


Figure 9.—The combined Alaska Peninsula, Aleutian Islands, and Atka-Amlia Islands areas harvest of coho salmon by year, 1906–2013.

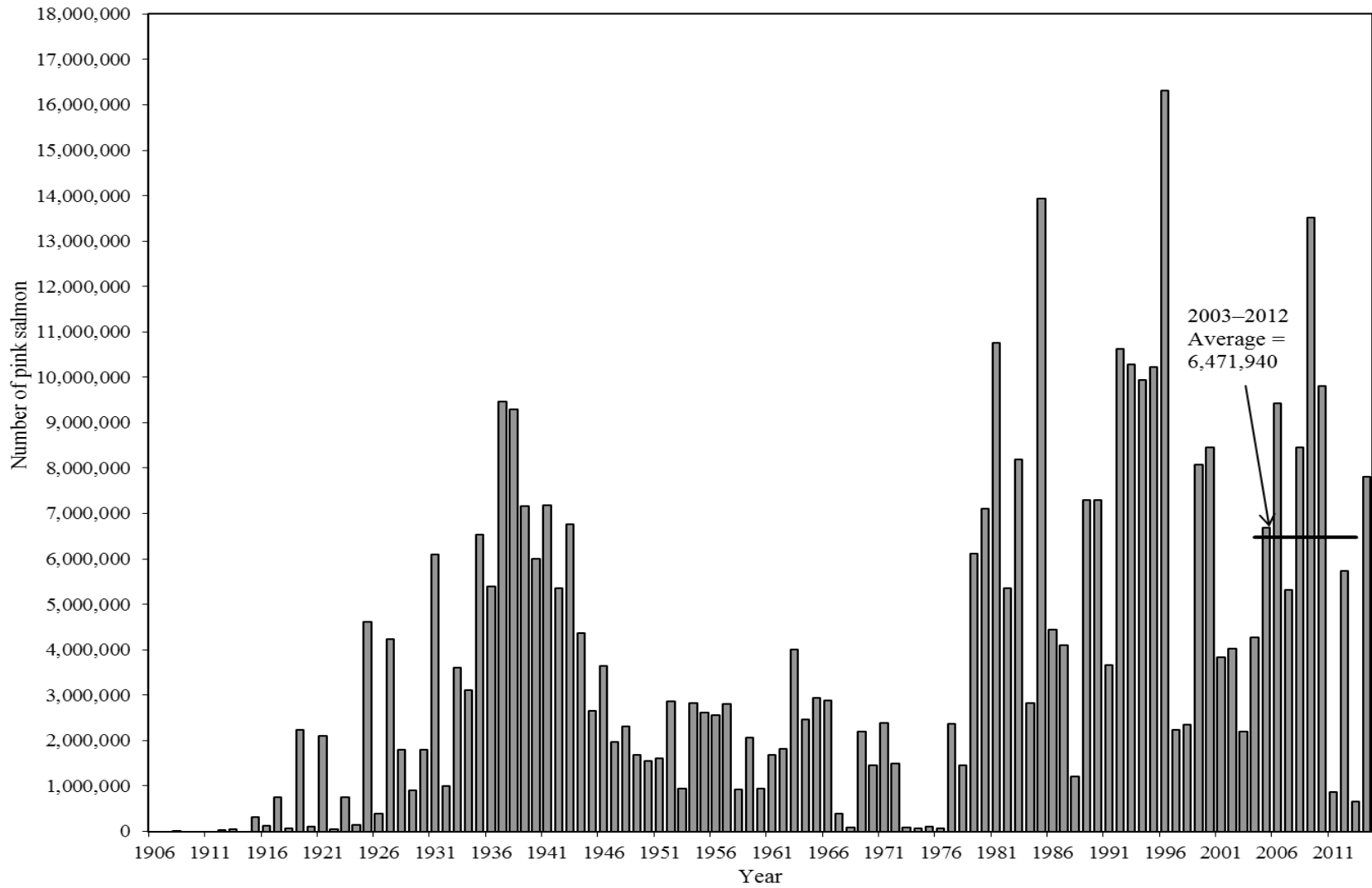


Figure 10.—The combined Alaska Peninsula, Aleutian Islands, and Atka-Amlia Islands areas harvest of pink salmon by year, 1906–2013.

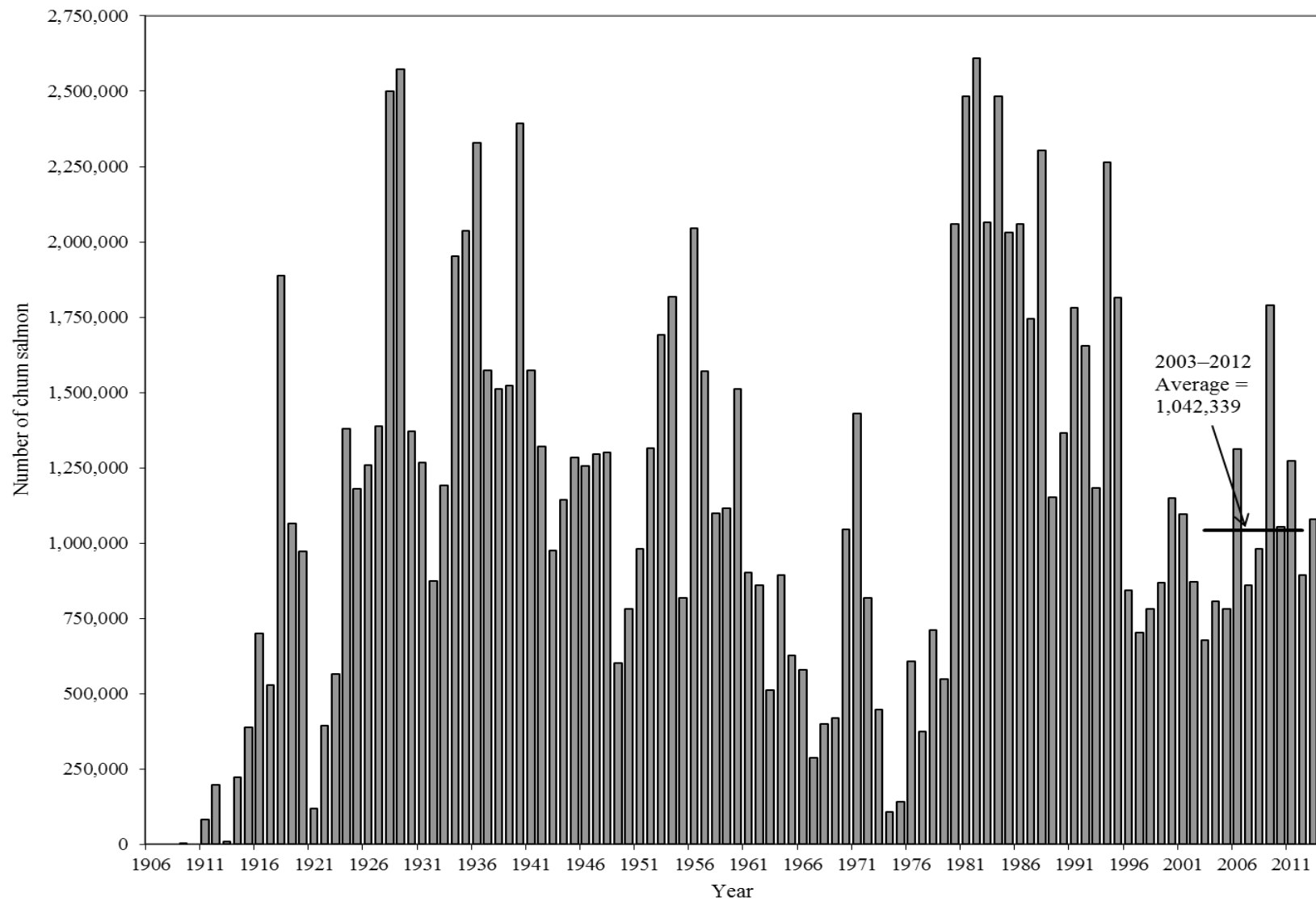


Figure 11.—The combined Alaska Peninsula, Aleutian Islands, and Atka-Amlia Islands areas harvest of chum salmon by year, 1906–2013.

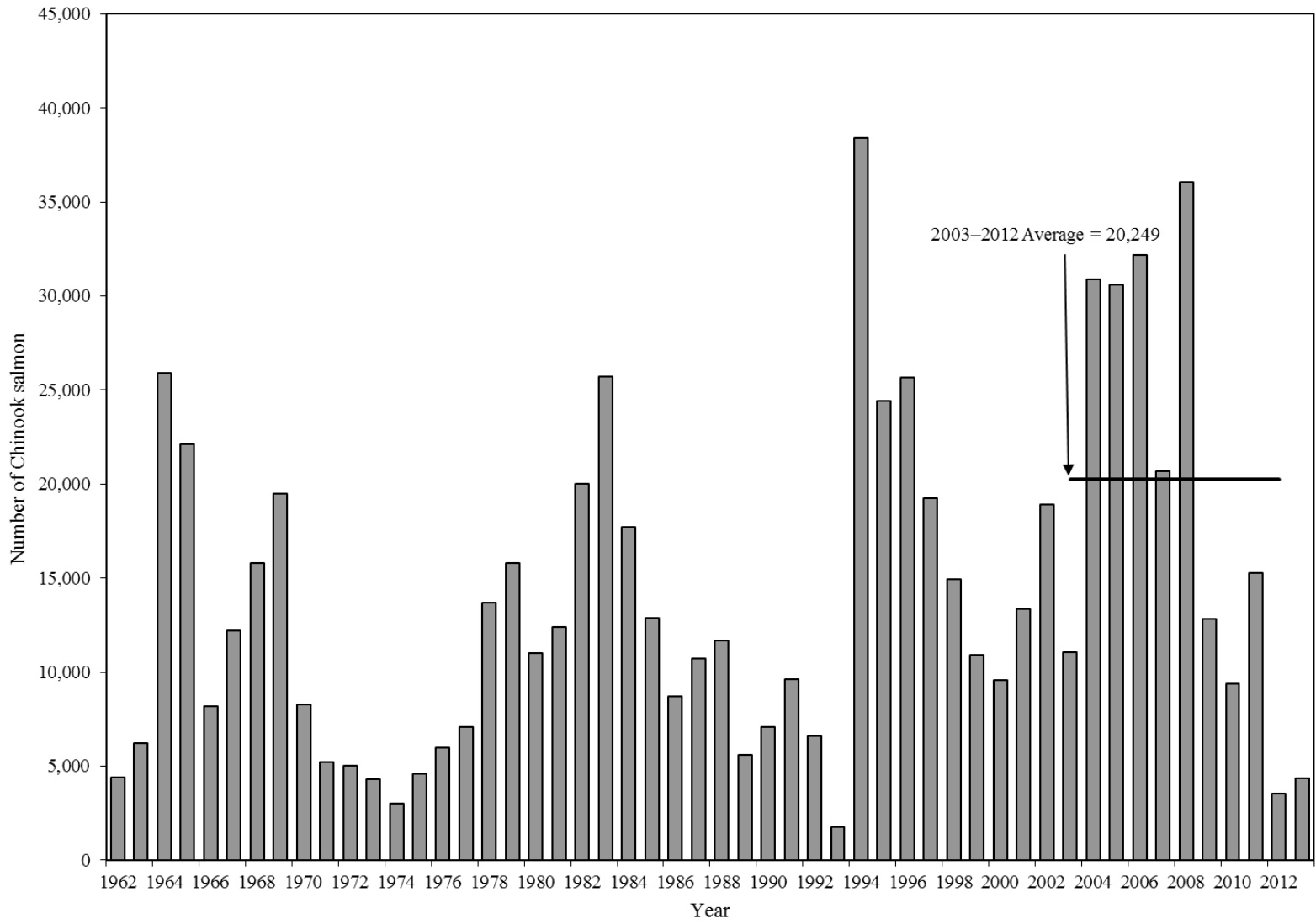


Figure 12.—The Alaska Peninsula Chinook salmon total estimated escapement by year, 1962–2013.

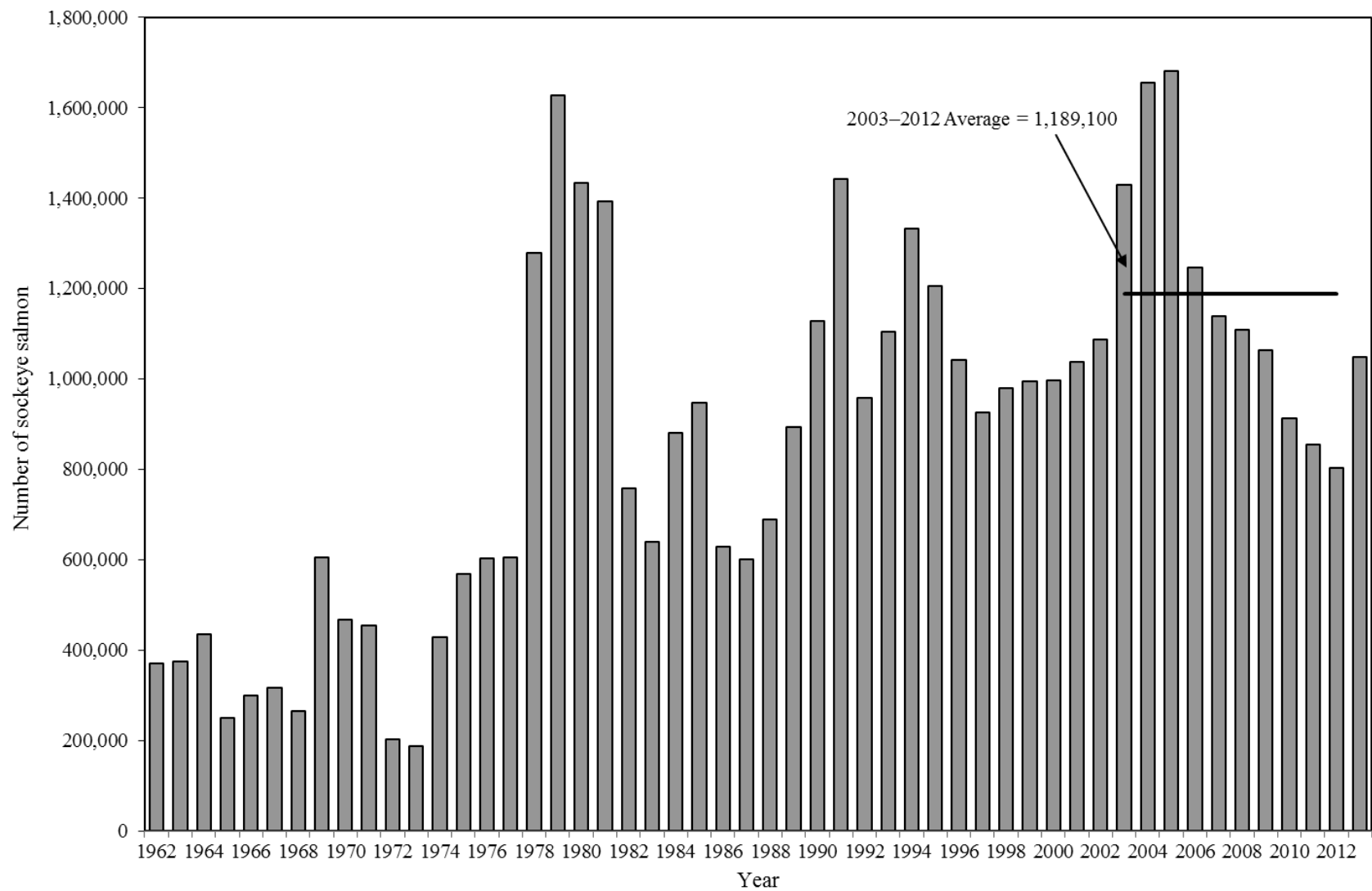


Figure 13.—The Alaska Peninsula sockeye salmon total estimated escapement by year, 1962–2013.

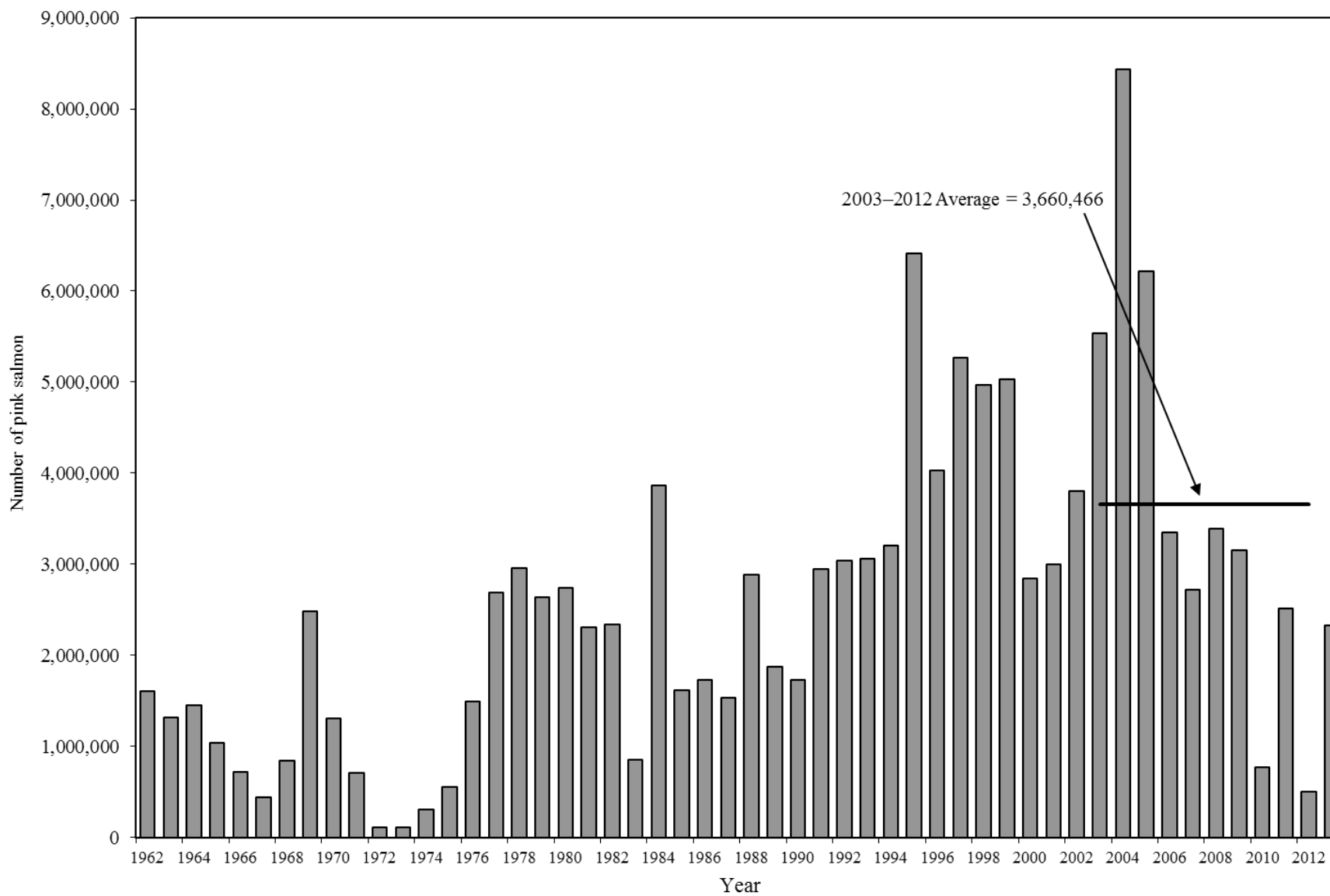


Figure 14.—The Alaska Peninsula pink salmon total estimated escapement by year, 1962–2013.

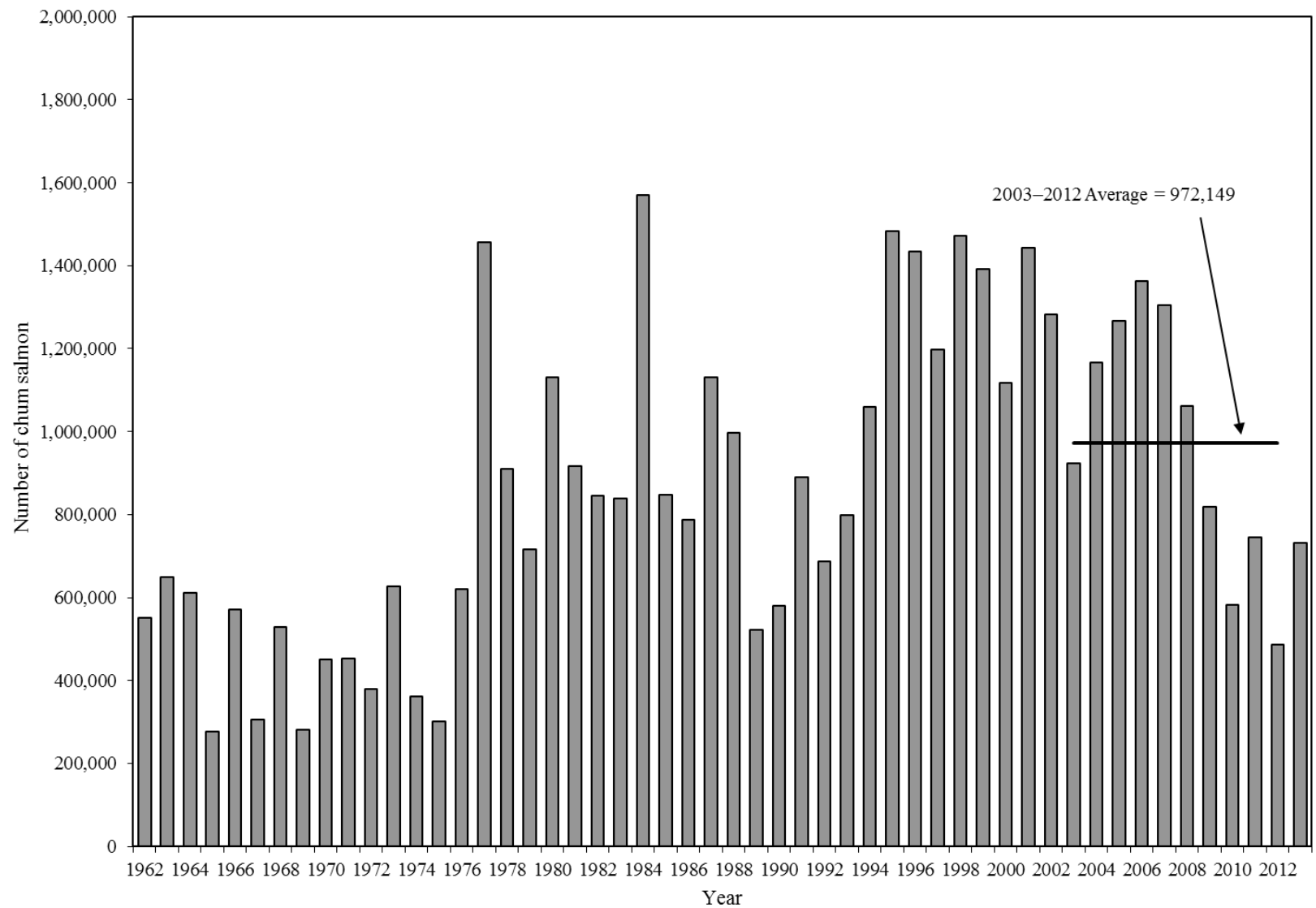


Figure 15.—The Alaska Peninsula chum salmon total estimated escapement by year, 1962–2013.

APPENDIX A. FISHERY ECONOMIC AND GEOGRAPHIC DATA

Appendix A1.–List of statistical commercial salmon fishing areas in the Alaska Peninsula, Aleutian Islands, and Atka-Amlia Management Areas.

Area	Statistical Areas
Alaska Peninsula (North and South)	28100 through 28599 plus 31111 through 31899
South Peninsula prior to 1991	28100 through 28499
<u>Southeastern District Mainland^a</u>	28100 through 28299 plus 28370, 28375, 28380, and 28390
East Stepovak Section	28134, 28135, 28136
Stepovak Flats Section	28133
Northwest Stepovak Section	28110 through 28132
Orzinski and American Bays	28131
Southwest Stepovak Section	28390
Balboa Bay Section	28380
Beaver Bay Section ^a	28370, 28375
Shumagin Islands Section	28200 through 28299
<u>South Central District</u>	28361 through 28369
<u>Southwestern District</u>	28300 through 28352 plus 28460
<u>Unimak District</u>	28400 through 28450 plus 28310
South Peninsula after 1990	28100 through 28599
<u>Southeastern District</u>	28100 through 28299
Shumagin Islands Section ^b	28200 through 28299
<u>Southeastern District Mainland (SEDM)</u>	28100 through 28199
East Stepovak Section	28100 through 28125
Stepovak Flats Section	28130
Northwest Stepovak Section	28140 through 28169
Orzinski Bay	28150
American Bay	28155
Southwest Stepovak Section	28170
Balboa Bay Section	28180
Beaver Bay Section	28190
<u>South Central District</u>	28300 through 28399
Mino Creek-Little Coal Bay Section	28315, 28317
East Pavlof Bay Section ^b	28320, 28321, 28323
Canoe Bay Section ^b	28324
West Pavlof Bay Section ^b	28325, 28326
<u>Southwestern District^b</u>	28400 through 28499
Volcano Bay Section ^c	28436, 28437, 28438, 28439
Belkofski Bay Section	28442
Deer Island Section	28455
Cold Bay Section	28462, 28465, 28467
Thin Point Section	28475
Morzhovoi Bay Section	28480
Ikatan Bay Section	28490
<u>Unimak District^b</u>	28500 through 28599
Sanak Island Section	28510
Otter Cove Section	28520, 28530
Cape Lutke Section	28540

-continued-

Area	Statistical Areas
North Peninsula	31111 through 31899
<u>Northwestern District</u>	31111 through 31299
Dublin Bay Section	31120
Urilia Bay Section	31132 through 31142
Swanson Lagoon Section	31152
Bechevin Bay Section (prior to 2000)	31158 through 31160
Bechevin Bay Section (2000 to present) ^b	31160
Izembek-Moffet Bay Section (prior to 2000)	31210 through 31240
Izembek-Moffet Bay Section (2000 to present)	31210 through 31240 and 31158
<u>Northern District</u>	31300 through 31899
Black Hills Section	31310
Caribou Flats Section	31320
Nelson Lagoon Section	31330
Herendeen-Moller Bay Section	31420 through 31430
Port Moller Bight Section	31412
Bear River Section	31500 through 31599
Three Hills Section	31610
Ilnik Section	31620 through 31699
Inner Port Heiden Section	31720
Outer Port Heiden Section	31710
Cinder River Section	31820
Aleutian Island Area	30200 through 30999
Atka-Amlia Area	30500 through 30599

^a In 1985, statistical area 28370 became two areas (28370 and 28375). In 1988, Beaver Bay (28375) became part of the Southeastern District. The balance of 28370 remained in the South Central District. In 1991, statistical areas were changed to reflect Alaska Board of Fish management plans. As an aid in comparing statistics, catches from 1970-90 from statistical areas 28370 and 28375 have been designated as Beaver Bay catches from the Southeastern District. After 1990, these statistical areas were eliminated, Beaver Bay became 28190 (Southeastern District) and the Mino Creek-Little Coal Bay area became 28317 and 28315 (South Central District).

^b This area participates in the South Unimak and Shumagin Islands June commercial salmon fishery.

^c In 2001, statistical area 28437 became two areas (28437 and 28439).

Appendix A2.–List of processing companies purchasing salmon in the Alaska Peninsula and Aleutian Islands Management areas, 2013.

Peter Pan Seafoods, Inc.
2200 6th Avenue, Suite 1000
Seattle, WA 98121

Trident Seafoods, Inc.
5303 Shilshole Avenue NW
Seattle, WA 98107

Alaska Peninsula Fisherman's Cooperative
P O Box 10156
Bainbridge, WA 98101

Aleutia
PO Box 408
Sand Point, AK 99661

Bering Pacific Seafoods
717 K Street, Suite 100
Anchorage, AK 99501

Klawock Oceanside Inc.
280 Bayview Blvd.
Klawock, AK, 99925

Stacy Arbelovski
PO Box 183
Sand Point, AK, 99661

Appendix A3.—Estimated exvessel value of Alaska Peninsula and Aleutian Islands Management areas commercial salmon fishery by gear type, 2013.

	Chinook	Sockeye	Coho	Pink	Chum	Total
PURSE SEINE						
South Peninsula						
Poundage	55,386	5,522,396	957,116	23,320,850	5,012,206	34,867,954
Average Weight	11.2	5.9	6.1	3.1	7.3	
Exvessel Value ^a	\$29,580	\$6,811,228	\$486,649	\$7,995,405	\$1,672,440	\$16,995,302
Northwestern District^b						
Poundage	12	129,543	0	8,566	624,619	762,740
Average Weight	12.0	6.4		2.8	7.8	
Exvessel Value ^a	\$16	\$194,315	\$0	\$2,998	\$225,900	\$423,229
Northern District^{bcd}						
Poundage	0	0	0	0	0	0
Average Weight						
Exvessel Value ^a	\$0	\$0	\$0	\$0	\$0	\$0
North Peninsula^c						
Poundage	12	129,543	0	8,566	624,619	762,740
Average Weight	12.0	6.4		2.8	7.8	
Exvessel Value ^b	\$16	\$194,315	\$0	\$2,998	\$225,900	\$423,229
Aleutian Islands Area						
Poundage	0	0	0	0	0	0
Average Weight						
Exvessel Value ^a	\$0	\$0	\$0	\$0	\$0	\$0
Alaska Peninsula and Aleutian Islands areas Total						
Poundage	55,398	5,651,939	957,116	23,329,416	5,641,959	35,635,828
Average Weight	11.1	5.9	6.1	3.1	7.4	
Exvessel Value ^a	\$29,626	\$7,013,518	\$486,649	\$7,998,347	\$1,915,453	\$17,443,593
South Unimak and Shumagin Islands June Fisheries^{ce}						
Poundage	25,328	3,748,861	463	783,599	2,000,577	6,558,828
Average Weight	19.1	5.8	5.9	2.7	7.1	
Exvessel Value ^a	\$18,984	\$4,060,427	\$0	\$151,859	\$151,859	\$4,383,129

-continued-

	Chinook	Sockeye	Coho	Pink	Chum	Total
DRIFT GILLNET						
South Peninsula						
Poundage	14,100	4,868,117	742,483	261,286	1,287,909	7,173,895
Average Weight	14.0	5.7	6.9	3.0	6.9	
Exvessel Value ^a	\$19,318	\$6,233,705	\$331,644	\$82,699	\$368,996	\$7,036,362
Northwestern District^b						
Poundage	38	23,391	149	170	44,584	68,332
Average Weight	5.4	6.2	6.0	3.4	7.5	
Exvessel Value ^a	\$40	\$35,087	\$67	\$77	\$13,375	\$48,646
Northern District^{bc}						
Poundage	5,156	3,220,502	118,735	6,529	281,040	3,631,962
Average Weight	12.6	5.6	8.1	3.0	7.0	
Exvessel Value ^a	\$5,374	\$3,880,609	\$53,426	\$2,938	\$84,345	\$4,026,692
North Peninsula^c						
Poundage	5,194	3,243,893	118,884	6,699	325,624	3,700,294
Average Weight	12.5	5.7	8.1	3.0	7.1	
Exvessel Value ^a	\$5,414	\$3,909,956	\$53,493	\$3,015	\$97,724	\$4,069,602
Alaska Peninsula and Aleutian Islands areas Total						
Poundage	19,294	8,112,010	861,367	267,985	1,613,533	10,874,189
Average Weight	13.5	5.7	7.0	3.0	6.9	
Exvessel Value ^a	\$22,661	\$9,901,890	\$387,126	\$84,853	\$478,281	\$10,874,811
Area T Permit Holders In The Area M Overlap						
Poundage	0	0	0	0	0	0
Average Weight						
Exvessel Value ^a	\$0	\$0	\$0	\$0	\$0	\$0
Area M Permit Holders						
Poundage	19,294	8,112,010	861,367	267,985	1,613,533	10,874,189
Average Weight						
Exvessel Value ^a	\$22,661	\$9,901,890	\$387,126	\$84,853	\$478,281	\$10,874,811
South Unimak and Shumagin Islands June Fisheries^{ce}						
Poundage	11,078	4,564,602	992	18,868	680,980	5,276,520
Average Weight	16.6	5.7	7.0	2.8	6.6	
Exvessel Value ^a	\$15,146	\$5,820,183	\$0	\$4,831	\$196,924	\$6,037,084

-continued-

	Chinook	Sockeye	Coho	Pink	Chum	Total
SET GILLNET						
South Peninsula						
Poundage	9,041	2,865,767	168,375	721,029	513,991	4,278,203
Average Weight	13.0	6.5		3.3	7.0	
Exvessel Value ^a	\$10,330	\$3,577,843	\$79,860	\$ 275,436	\$151,639	\$4,095,108
Northwestern District^b						
Poundage	0	0	0	0	0	0
Average Weight						
Exvessel Value ^a	\$0	\$0	\$0	\$0	\$0	\$0
Northern District^{bc}						
Poundage	1,881	683,803	110,636	15	29,139	825,474
Average Weight	12.2	5.4	8.7	3.8	7.9	
Exvessel Value ^a	\$1,793	\$779,202	\$50,288	\$0	\$8,742	\$840,025
North Peninsula^c						
Poundage	1,881	683,803	110,636	15	29,139	825,474
Average Weight	12.2	5.4	8.7	3.8	7.9	
Ex-vessel Value ^a	\$1,793	\$779,202	\$50,288	\$0	\$8,742	\$840,025
Alaska Peninsula and Aleutian Islands areas Total						
Poundage	10,922	3,549,570	279,011	721,044	543,130	5,103,677
Average Weight	13.1	6.2	7.1	3.3	7.0	
Exvessel Value ^a	\$11,991	\$4,324,702	\$129,595	\$275,443	\$160,496	\$4,902,227
Area T Permit Holders In The Area M Overlap						
Poundage	0	0	0	0	0	0
Average Weight						
Exvessel Value ^a	\$0	\$0	\$0	\$0	\$0	\$0
Area M Permit Holders						
Poundage	10,922	3,549,570	279,011	721,044	543,130	5,103,677
Average Weight						
Exvessel Value ^a	\$11,991	\$4,324,702	\$129,595	\$275,443	\$160,496	\$4,902,227
South Unimak and Shumagin Islands June Fisheries^{ce}						
Poundage	3,511	706,012	398	8,945	87,476	806,342
Average Weight	15.8	6.1	5.1	2.9	7.1	
Exvessel Value ^a	\$4,457	\$791,991	\$0	\$1,790	\$24,605	\$822,843

-continued-

Appendix A3.–Page 4 of 4.

	Chinook	Sockeye	Coho	Pink	Chum	Total
ALL GEAR COMBINED						
South Peninsula						
Poundage	78,527	13,256,280	1,867,974	24,303,165	6,814,106	46,320,052
Average Weight	11.8	5.9	6.4	3.1	7.2	
Exvessel Value ^a	\$63,625	\$16,539,198	\$929,723	\$8,388,344	\$2,223,518	\$28,144,408
Northwestern District^b						
Poundage	50	152,934	149	8,736	669,203	831,072
Average Weight	6.3	6.4	6.0	2.8	7.8	
Exvessel Value ^a	\$68	\$229,401	\$67	\$3,058	\$241,383	\$473,976
Northern District^{bc}						
Poundage	7,037	3,904,305	229,371	6,544	310,179	4,457,436
Average Weight	12.4	5.5	8.4	3.4	7.4	
Exvessel Value ^a	\$7,155	\$4,650,689	\$103,714	\$2,945	\$94,626	\$4,859,129
North Peninsula^c						
Poundage	7,087	4,057,239	229,520	15,280	979,382	5,288,508
Average Weight	12.4	5.6	8.3	2.9	7.5	
Exvessel Value ^a	\$7,211	\$4,851,871	\$103,781	\$5,385	\$332,538	\$5,300,785
Aleutian Islands						
Poundage	0	0	0	0	0	0
Average Weight						
Ex-vessel Value ^a	\$0	\$0	\$0	\$0	\$0	\$0
Alaska Peninsula and Aleutian Islands areas Total						
Poundage	85,614	17,313,519	2,097,494	24,318,445	7,793,488	51,608,560
Average Weight	11.9	5.9	6.5	3.1	7.2	
Exvessel Value ^a	\$73,317	\$21,199,647	\$1,013,343	\$8,393,624	\$2,568,412	\$33,248,343
Area T Permit Holders In The Area M Overlap						
Poundage	0	0	0	0	0	0
Average Weight						
Ex-vessel Value ^a	\$0	\$0	\$0	\$0	\$0	\$0
Area M Permit Holders						
Poundage	85,614	17,313,519	2,097,494	24,318,445	7,793,488	51,608,560
Average Weight	11.9	5.9	6.5	3.1	7.2	
Exvessel Value ^a	\$73,317	\$21,199,647	\$1,013,343	\$8,393,624	\$2,568,412	\$33,248,343
South Unimak and Shumagin Islands June Fisheries^{cc}						
Poundage	39,917	9,019,475	1,853	811,412	2,769,033	12,641,690
Average Weight	18.0	5.8	6.2	2.7	7.0	
Exvessel Value ^a	\$41,512	\$10,400,050	\$0	\$157,409	\$777,990	\$11,376,961

Note: Due to rounding in the fish ticket database, differences may occur in areas.

^a All exvessel values are estimates generated from fish ticket database

^b These figures are included in the North Peninsula and Alaska Peninsula and Aleutian Islands areas total.

^c Does not include test fisheries.

^d Confidentiality requirement prohibit the release of this information.

^e These figures are included in the South Peninsula and Alaska Peninsula and Aleutian Islands areas total.

Appendix A4.—Alaska Peninsula and Aleutian Islands Management areas estimated exvessel value of commercially caught salmon by year, species, and gear, 1979–2013.

Year	Gear	Exvessel Value					Total
		Chinook	Sockeye	Coho	Pink	Chum	
1979	Seine	\$41,024	\$5,806,222	\$2,403,576	\$9,544,217	\$1,706,042	\$19,501,081
	Drift Gillnet	\$240,779	\$11,753,626	\$441,669	\$39,800	\$263,172	\$12,739,046
	Set Gillnet	\$201,398	\$2,505,152	\$355,256	\$123,283	\$158,286	\$3,343,375
	Total	\$483,201	\$20,065,000	\$3,200,501	\$9,707,300	\$2,127,500	\$35,583,502
1980	Seine	\$58,969	\$9,244,048	\$933,974	\$13,857,200	\$4,534,200	\$28,628,391
	Drift Gillnet	\$152,604	\$5,505,669	\$291,213	\$9,800	\$1,077,000	\$7,036,286
	Set Gillnet	\$88,426	\$1,250,283	\$274,813	\$133,000	\$388,800	\$2,135,322
	Total	\$299,999	\$16,000,000	\$1,500,000	\$14,000,000	\$6,000,000	\$37,799,999
1981	Seine	\$149,904	\$7,555,092	\$818,867	\$7,780,053	\$6,186,088	\$22,490,004
	Drift Gillnet	\$227,880	\$12,919,049	\$402,703	\$23,122	\$1,387,760	\$14,960,514
	Set Gillnet	\$162,216	\$3,359,859	\$440,430	\$169,825	\$485,152	\$4,617,482
	Total	\$540,000	\$23,834,000	\$1,662,000	\$7,973,000	\$8,059,000	\$42,068,000
1982	Seine	\$159,719	\$7,342,780	\$1,193,753	\$6,273,624	\$5,222,369	\$20,192,245
	Drift Gillnet	\$482,670	\$9,920,524	\$790,307	\$53,286	\$2,086,026	\$13,332,813
	Set Gillnet	\$299,612	\$1,690,697	\$701,940	\$93,090	\$380,606	\$3,165,945
	Total	\$942,001	\$18,954,001	\$2,686,000	\$6,420,000	\$7,689,001	\$36,691,003
1983	Seine	\$290,228	\$7,710,942	\$413,021	\$2,798,538	\$3,682,741	\$14,895,470
	Drift Gillnet	\$264,657	\$11,836,113	\$106,775	\$8,857	\$799,006	\$13,015,408
	Set Gillnet	\$138,115	\$2,438,945	\$233,204	\$79,605	\$207,254	\$3,097,123
	Total	\$693,000	\$21,986,000	\$753,000	\$2,887,000	\$4,689,001	\$31,008,001
1984	Seine	\$162,878	\$6,927,466	\$1,283,032	\$12,265,369	\$3,384,960	\$24,023,705
	Drift Gillnet	\$366,861	\$8,895,318	\$721,161	\$88,448	\$1,218,684	\$11,290,472
	Set Gillnet	\$160,861	\$3,680,216	\$524,907	\$241,183	\$316,356	\$4,923,523
	Total	\$690,600	\$19,503,000	\$2,529,100	\$12,595,000	\$4,920,000	\$40,237,700
1985	Seine	\$111,106	\$8,835,393	\$966,202	\$3,590,683	\$3,367,800	\$16,871,184
	Drift Gillnet	\$313,931	\$15,569,329	\$528,289	\$20,455	\$804,537	\$17,236,541
	Set Gillnet	\$196,363	\$3,651,278	\$559,510	\$176,901	\$190,663	\$4,774,715
	Total	\$621,400	\$28,056,000	\$2,054,001	\$3,788,039	\$4,363,000	\$38,882,440
1986	Seine	\$63,512	\$7,218,401	\$1,109,746	\$2,665,608	\$4,151,941	\$15,209,208
	Drift Gillnet	\$102,301	\$19,594,136	\$462,212	\$28,793	\$688,716	\$20,876,158
	Set Gillnet	\$59,587	\$4,274,463	\$414,342	\$74,198	\$243,344	\$5,065,934
	Total	\$225,400	\$31,087,000	\$1,986,300	\$2,768,599	\$5,084,001	\$41,151,300
1987	Seine	\$174,544	\$7,305,460	\$1,383,112	\$1,691,295	\$3,320,666	\$13,875,077
	Drift Gillnet	\$247,653	\$14,594,398	\$908,674	\$9,073	\$1,185,440	\$16,945,238
	Set Gillnet	\$98,803	\$5,636,742	\$664,213	\$78,632	\$273,894	\$6,752,284
	Total	\$521,000	\$27,536,600	\$2,955,999	\$1,779,000	\$4,780,000	\$37,572,599

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Year	Gear	Ex-vessel Value					
		Chinook	Sockeye	Coho	Pink	Chum	Total
1988	Seine	\$232,723	\$11,952,232	\$3,534,600	\$19,005,582	\$10,403,088	\$45,128,225
	Drift Gillnet	\$297,533	\$23,503,525	\$1,742,790	\$506,192	\$3,213,893	\$29,263,933
	Set Gillnet	\$142,743	\$7,280,243	\$1,172,610	\$817,226	\$787,019	\$10,199,841
	Total	\$672,999	\$42,736,000	\$6,450,000	\$20,329,000	\$14,404,000	\$84,591,999
1989	Seine	\$117,486	\$14,925,204	\$1,831,648	\$8,958,999	\$1,947,290	\$27,780,627
	Drift Gillnet	\$159,100	\$18,253,184	\$1,292,059	\$113,538	\$890,441	\$20,708,322
	Set Gillnet	\$89,414	\$6,112,612	\$870,293	\$468,463	\$273,268	\$7,814,050
	Total	\$366,000	\$39,291,000	\$3,994,000	\$9,541,000	\$3,110,999	\$56,302,999
1990	Seine	\$239,867	\$12,937,460	\$1,354,192	\$3,369,540	\$2,368,008	\$20,269,067
	Drift Gillnet	\$271,284	\$22,736,487	\$940,241	\$52,242	\$670,851	\$24,671,105
	Set Gillnet	\$91,435	\$6,685,754	\$670,804	\$69,974	\$197,143	\$7,715,110
	Total	\$602,586	\$42,359,701	\$2,965,237	\$3,491,756	\$3,236,002	\$52,655,282
1991 ^a	Seine	\$66,000	\$6,100,000	\$620,000	\$3,776,000	\$1,750,000	\$12,312,000
	Drift Gillnet	\$62,000	\$12,000,000	\$649,000	\$13,000	\$600,690	\$13,324,690
	Set Gillnet	\$46,600	\$4,541,600	\$245,000	\$143,700	\$259,910	\$5,236,810
	Total	\$174,600	\$22,641,600	\$1,514,000	\$3,932,700	\$2,610,600	\$30,873,500
1992 ^a	Seine	\$102,000	\$17,044,000	\$1,162,000	\$5,315,000	\$2,534,000	\$26,157,000
	Drift Gillnet	\$94,000	\$32,344,000	\$540,000	\$103,000	\$458,000	\$33,539,000
	Set Gillnet	\$58,600	\$8,635,000	\$594,000	\$261,000	\$214,000	\$9,762,600
	Total	\$254,600	\$58,023,000	\$2,296,000	\$5,679,000	\$3,206,000	\$69,458,600
1993 ^a	Seine	\$140,000	\$10,261,000	\$402,000	\$4,521,000	\$1,640,000	\$16,964,000
	Drift Gillnet	\$114,000	\$20,204,000	\$147,000	\$5,000	\$314,000	\$20,784,000
	Set Gillnet	\$67,000	\$4,523,000	\$280,000	\$141,000	\$122,000	\$5,133,000
	Total	\$321,000	\$34,988,000	\$829,000	\$4,667,000	\$2,076,000	\$42,881,000
1994 ^a	Seine	\$91,430	\$5,525,400	\$655,025	\$4,987,020	\$3,298,450	\$14,557,325
	Drift Gillnet	\$63,360	\$16,912,700	\$513,600	\$63,220	\$305,070	\$17,857,950
	Set Gillnet	\$32,140	\$4,506,000	\$551,140	\$174,390	\$250,050	\$5,513,720
	Total	\$186,930	\$26,944,100	\$1,719,765	\$5,224,630	\$3,853,570	\$37,928,995
1995 ^a	Seine	\$215,270	\$9,365,000	\$492,000	\$9,460,760	\$2,118,300	\$21,651,330
	Drift Gillnet	\$66,220	\$22,170,800	\$187,010	\$29,600	\$421,550	\$22,875,180
	Set Gillnet	\$47,650	\$5,860,000	\$227,000	\$385,770	\$200,578	\$6,720,998
	Total	\$329,140	\$37,395,800	\$906,010	\$9,876,130	\$2,740,428	\$51,247,508
1996 ^a	Seine	\$27,168	\$2,846,000	\$448,000	\$361,702	\$260,600	\$3,943,470
	Drift Gillnet	\$24,045	\$9,472,000	\$232,300	\$15,501	\$88,490	\$9,832,336
	Set Gillnet	\$13,512	\$4,402,700	\$268,020	\$60,167	\$59,650	\$4,804,049
	Total	\$64,725	\$16,720,700	\$948,320	\$437,370	\$408,740	\$18,579,855

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Year	Gear	Ex-vessel Value					Total
		Chinook	Sockeye	Coho	Pink	Chum	
1997 ^a	Seine	\$32,730	\$3,302,000	\$79,150	\$1,029,510	\$342,200	\$4,785,590
	Drift Gillnet	\$54,160	\$15,330,000	\$141,300	\$29,600	\$128,380	\$15,683,440
	Set Gillnet	\$25,320	\$5,890,600	\$210,950	\$35,320	\$49,249	\$6,211,439
	Total	\$112,210	\$24,522,600	\$431,400	\$1,094,430	\$519,829	\$26,680,469
1998 ^a	Seine	\$21,007	\$3,777,000	\$221,000	\$3,058,500	\$356,000	\$7,433,507
	Drift Gillnet	\$17,450	\$10,787,000	\$219,800	\$104,400	\$181,600	\$11,310,250
	Set Gillnet	\$16,041	\$5,074,600	\$147,200	\$240,319	\$121,524	\$5,599,684
	Total	\$54,498	\$19,638,600	\$588,000	\$3,403,219	\$659,124	\$24,343,441
1999 ^a	Seine	\$21,000	\$7,086,000	\$236,000	\$3,000,016	\$368,023	\$10,711,039
	Drift Gillnet	\$20,900	\$13,648,600	\$116,300	\$6,350	\$128,086	\$13,920,236
	Set Gillnet	\$12,300	\$7,792,000	\$87,700	\$151,030	\$93,250	\$8,136,280
	Total	\$54,200	\$28,526,600	\$440,000	\$3,157,396	\$589,359	\$32,767,555
2000 ^a	Seine	\$19,040	\$3,430,000	\$332,110	\$1,372,000	\$616,000	\$5,769,150
	Drift Gillnet	\$24,320	\$12,131,000	\$91,400	\$15,076	\$149,400	\$12,411,196
	Set Gillnet	\$9,115	\$4,461,500	\$118,750	\$127,047	\$117,363	\$4,833,775
	Total	\$52,475	\$20,022,500	\$542,260	\$1,514,123	\$882,763	\$23,014,121
2001 ^a	Seine	\$4,658	\$522,000	\$144,001	\$1,219,050	\$646,616	\$2,536,325
	Drift Gillnet	\$9,351	\$3,267,000	\$56,740	\$11,784	\$78,492	\$3,423,367
	Set Gillnet	\$9,735	\$1,533,700	\$37,576	\$105,213	\$117,091	\$1,803,315
	Total	\$23,744	\$5,322,700	\$238,317	\$1,336,047	\$842,199	\$7,763,007
2002 ^a	Seine	\$15,969	\$1,276,000	\$106,401	\$634,000	\$455,537	\$2,487,907
	Drift Gillnet	\$10,879	\$4,218,000	\$30,405	\$8,260	\$128,010	\$4,395,554
	Set Gillnet	\$7,444	\$1,971,700	\$21,462	\$75,020	\$50,439	\$2,126,065
	Total	\$34,292	\$7,465,700	\$158,268	\$717,280	\$633,986	\$9,009,526
2003 ^a	Seine	\$6,824	\$1,091,084	\$52,000	\$743,012	\$324,911	\$2,217,831
	Drift Gillnet	\$11,582	\$4,433,190	\$61,313	\$10,341	\$83,203	\$4,599,629
	Set Gillnet	\$6,015	\$2,346,327	\$81,000	\$70,004	\$49,149	\$2,552,495
	Total	\$24,421	\$7,870,601	\$194,313	\$823,357	\$457,263	\$9,369,955
2004 ^a	Seine	\$37,019	\$3,439,099	\$125,000	\$1,456,300	\$407,504	\$5,464,922
	Drift Gillnet	\$47,700	\$7,104,216	\$45,210	\$7,400	\$74,380	\$7,278,906
	Set Gillnet	\$15,000	\$3,341,111	\$79,000	\$51,030	\$46,077	\$3,532,218
	Total	\$99,719	\$13,884,426	\$249,210	\$1,514,730	\$527,961	\$16,276,046
2005 ^a	Seine	\$16,053	\$4,208,707	\$127,659	\$2,107,053	\$419,752	\$6,879,224
	Drift Gillnet	\$40,844	\$10,755,107	\$111,737	\$13,092	\$84,776	\$11,005,556
	Set Gillnet	\$16,674	\$4,646,029	\$101,015	\$100,064	\$65,000	\$4,928,782
	Total	\$73,571	\$19,609,843	\$340,411	\$2,220,209	\$569,528	\$22,813,562

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Year	Gear	Ex-vessel Value					Total
		Chinook	Sockeye	Coho	Pink	Chum	
2006 ^a	Seine	\$36,580	\$2,829,392	\$128,636	\$1,514,315	\$1,034,961	\$5,543,884
	Drift Gillnet	\$32,072	\$7,407,573	\$132,248	\$12,290	\$127,860	\$7,712,043
	Set Gillnet	\$17,264	\$3,255,140	\$213,534	\$100,192	\$69,010	\$3,655,140
	Total	\$85,916	\$13,492,105	\$474,418	\$1,626,797	\$1,231,831	\$16,911,067
2007 ^a	Seine	\$45,840	\$4,415,759	\$125,321	\$3,596,347	\$575,326	\$8,758,593
	Drift Gillnet	\$40,059	\$13,695,882	\$108,545	\$7,851	\$165,827	\$14,018,165
	Set Gillnet	\$13,563	\$3,291,054	\$160,702	\$287,656	\$71,606	\$3,824,582
	Total	\$99,463	\$21,402,695	\$394,568	\$3,891,854	\$812,759	\$26,601,340
2008 ^a	Seine	\$46,867	\$4,472,322	\$371,309	\$9,541,042	\$1,133,673	\$15,565,214
	Drift Gillnet	\$31,881	\$10,361,856	\$367,529	\$82,363	\$322,817	\$11,166,446
	Set Gillnet	\$7,750	\$1,880,303	\$220,740	\$528,362	\$149,294	\$2,786,450
	Total	\$86,499	\$16,714,481	\$959,577	\$10,151,768	\$1,605,785	\$29,518,109
2009 ^a	Seine	\$72,916	\$3,675,090	\$335,222	\$5,620,445	\$2,113,134	\$11,816,807
	Drift Gillnet	\$50,839	\$10,899,678	\$118,655	\$50,627	\$221,517	\$11,341,317
	Set Gillnet	\$8,739	\$2,899,156	\$150,406	\$383,826	\$245,021	\$3,687,147
	Total	\$132,494	\$17,473,924	\$604,283	\$6,054,898	\$2,579,672	\$26,845,271
2010 ^a	Seine	\$85,544	\$3,226,659	\$437,029	\$659,303	\$2,065,524	\$6,474,059
	Drift Gillnet	\$57,822	\$12,308,805	\$147,577	\$7,896	\$411,124	\$12,933,225
	Set Gillnet	\$10,890	\$2,676,218	\$173,059	\$60,257	\$280,757	\$3,201,181
	Total	\$154,256	\$18,211,682	\$757,665	\$727,456	\$2,757,405	\$22,608,464
2011 ^a	Seine	\$63,660	\$4,911,683	\$370,767	\$6,434,699	\$2,744,217	\$14,525,026
	Drift Gillnet	\$53,506	\$7,379,768	\$101,600	\$63,151	\$763,395	\$8,361,420
	Set Gillnet	\$17,367	\$2,970,435	\$125,233	\$294,770	\$450,820	\$3,858,625
	Total	\$134,533	\$15,261,886	\$597,600	\$6,792,620	\$3,958,432	\$26,745,071
2012 ^a	Seine	\$56,355	\$4,549,968	\$123,718	\$651,284	\$1,509,794	\$6,891,119
	Drift Gillnet	\$68,892	\$6,738,782	\$155,273	\$18,532	\$1,085,438	\$8,066,917
	Set Gillnet	\$8,604	\$2,365,519	\$69,982	\$33,321	\$119,919	\$2,597,345
	Total	\$133,851	\$13,654,269	\$348,973	\$703,137	\$2,715,151	\$17,555,381
2013 ^a	Seine	\$29,626	\$7,013,518	\$486,649	\$7,998,347	\$1,915,453	\$17,443,593
	Drift Gillnet	\$22,661	\$9,901,890	\$387,126	\$84,853	\$478,281	\$10,874,811
	Set Gillnet	\$11,991	\$4,324,702	\$129,595	\$275,443	\$160,496	\$4,902,227
	Total	\$64,278	\$21,240,110	\$1,003,370	\$8,358,643	\$2,554,230	\$33,220,631
2003–2012 Average ^a	Seine	\$46,766	\$3,681,976	\$219,666	\$3,232,380	\$1,232,880	\$8,413,668
	Drift Gillnet	\$43,520	\$9,108,486	\$134,969	\$27,354	\$334,034	\$9,648,362
	Set Gillnet	\$12,187	\$2,967,129	\$137,467	\$190,948	\$154,665	\$3,462,396
	Total	\$102,472	\$15,757,591	\$492,102	\$3,450,683	\$1,721,579	\$21,524,427
1993–2002 Average ^a	Seine	\$58,827	\$4,739,040	\$311,569	\$2,964,356	\$1,010,173	\$9,083,964
	Drift Gillnet	\$40,469	\$12,814,110	\$173,586	\$28,879	\$192,308	\$13,249,351
	Set Gillnet	\$24,026	\$4,601,580	\$194,980	\$149,528	\$118,119	\$5,088,233
	Total	\$123,321	\$22,154,730	\$680,134	\$3,142,763	\$1,320,600	\$27,421,548

Note: Due to rounding in the fish ticket database, differences may occur in areas.

^a Exvessel information is from Area M fishermen only and does not include exvessel information from Area F.

Appendix A5.—Average weights and approximate exvessel prices for salmon in the Alaska Peninsula, Aleutian Islands, and Atka-Amlia areas, 1979–2013.

Year	Average Weight (lbs)					Average Price (\$/lb) ^a				
	Chinook	Sockeye	Coho	Pink	Chum	Chinook	Sockeye	Coho	Pink	Chum
1979	22.9	5.8	7.4	3.6	7.3	1.18	1.10	0.92	0.38	0.53
1980	19.4	5.2	6.4	3.2	6.6	0.72	0.62	0.58	0.40	0.44
1981	17.9	5.8	7.5	3.6	7.2	1.02	1.00	0.70	0.42	0.45
1982	19.6	5.9	7.8	3.1	7.4	1.21	0.85	0.70	0.25	0.40
1983	17.5	5.5	7.6	3.8	6.9	0.71	0.86	0.49	0.27	0.33
1984	19.5	5.7	7.8	3.6	7.2	1.11	0.83	0.63	0.25	0.28
1985	19.5	5.4	7.8	4.1	7.0	1.06	1.09	0.75	0.21	0.31
1986	17.4	6.0	7.1	3.4	7.1	0.75	1.41	0.70	0.20	0.35
1987	18.6	6.3	7.6	3.5	7.1	1.20	1.65	0.98	0.25	0.39
1988	17.1	6.0	7.5	3.6	7.5	1.41	2.36	1.16	0.78	0.83
1989	17.9	5.8	7.3	3.8	6.8	1.14	1.54	0.82	0.35	0.40
1990	16.4	5.7	7.5	3.1	6.6	1.25	1.53	0.79	0.31	0.36
1991	16.4	5.6	6.9	3.1	6.4	0.77	0.86	0.53	0.12	0.23
1992	16.4	5.6	6.9	3.3	6.7	0.97	1.47	0.63	0.17	0.29
1993	17.2	5.7	6.3	3.4	6.3	0.80	0.82	0.49	0.14	0.28
1994	18.4	5.5	8.2	3.4	6.7	0.61	1.01	0.57	0.15	0.25
1995	19.8	5.4	6.7	3.6	7.0	0.74	1.10	0.42	0.17	0.22
1996	17.1	6.0	7.3	3.3	7.4	0.40	0.81	0.34	0.06	0.07
1997	16.0	5.8	7.4	3.3	6.8	0.55	0.97	0.40	0.15	0.11
1998	15.3	5.7	7.6	3.5	7.1	0.40	1.06	0.38	0.12	0.12
1999	15.1	5.3	6.1	3.1	6.8	0.39	1.13	0.30	0.12	0.10
2000	15.4	5.9	6.9	2.9	7.6	0.38	0.86	0.26	0.14	0.10
2001	14.2	6.0	6.9	3.7	7.7	0.25	0.51	0.15	0.09	0.10
2002	13.4	5.5	6.8	3.6	7.3	0.25	0.55	0.10	0.08	0.10
2003	13.4	6.0	7.6	3.8	6.8	0.25	0.52	0.14	0.05	0.10
2004	16.0	5.7	6.7	3.3	6.6	0.36	0.52	0.14	0.07	0.10
2005	13.5	6.1	6.9	3.2	6.6	0.40	0.59	0.24	0.07	0.11
2006	13.8	5.8	6.6	3.4	7.5	0.70	0.56	0.28	0.09	0.14
2007	12.9	5.6	6.7	3.7	7.1	0.60	0.65	0.27	0.13	0.13
2008	12.9	5.6	6.7	3.7	7.1	0.92	0.72	0.36	0.22	0.23
2009	15.9	5.9	6.6	3.2	6.9	0.92	0.71	0.29	0.18	0.21
2010	13.8	5.7	7.1	3.0	7.1	1.04	0.91	0.47	0.28	0.38
2011	13.2	5.9	6.2	3.3	6.7	1.05	0.91	0.56	0.36	0.46
2012	16.0	5.9	6.3	3.1	7.3	0.99	0.84	0.45	0.35	0.43
2013	11.9	5.9	6.5	3.1	7.2	0.86	1.22	0.48	0.35	0.33
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1983–2002										
Average	16.9	5.7	7.2	3.5	7.0	0.76	1.12	0.54	0.21	0.26
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2003–2012										
Average	14.1	5.8	6.7	3.4	7.0	0.72	0.69	0.32	0.18	0.23

^a Does not include processor bonuses, incentives, refrigerated sea water, or postseason adjustments.

Appendix A6.—Number of Area M and Area T limited entry permits and fishing effort in the Alaska Peninsula and Aleutian Islands Management areas, 1975–2013.

Year	Purse Seine		Drift Gillnet			Set Gillnet		
	Area M Active Permits ^a	Area M Permits ^b Fished	Area M Active Permits ^a	Area M Permits ^b Fished	Area T Permits ^{b,c} Fished	Area M Active Permits ^a	Area M Permits ^b Fished	Area T Permits ^{b,c} Fished
1975	126	56	173	102	6	110	40	^d
1976	114	90	155	118	10	116	53	6
1977	113	87	156	114	15	109	57	8
1978	123	115	158	133	26	114	61	8
1979	123	136	161	178	21	115	86	10
1980	125	126	163	157	25	115	88	16
1981	127	122	164	155	18	117	88	21
1982	127	119	164	159	23	117	94	18
1983	127	122	166	159	18	116	94	7
1984	126	121	165	158	44	115	103	15
1985	127	123	165	158	44	115	103	18
1986	125	121	165	163	37	116	100	7
1987	125	116	165	163	48	116	108	9
1988	124	114	163	162	59	116	106	14
1989	126	119	164	158	64	116	111	18
1990	126	121	164	166	63	116	114	15
1991	126	126	164	162	68	116	111	12
1992	125	119	164	161	102	116	111	18
1993	125	123	164	162	50	116	114	11
1994	124	118	164	164	77	116	108	9
1995	124	118	164	164	81	116	110	12
1996	124	102	164	164	32	116	110	6
1997	122	82	164	158	42	116	110	10
1998	122	79	164	159	60	115	112	7
1999	121	74	164	160	21	115	107	^d
2000	121	76	161	156	27	115	109	^d
2001	121	64	160	137	4	115	99	^d
2002	122	42	160	114	^d	115	92	0
2003	120	46	160	110	4	115	86	0
2004	122	42	161	117	^d	115	86	0
2005	121	46	162	131	10	115	93	^d
2006	119	43	162	133	6	114	95	0
2007	118	46	162	127	0	114	90	0
2008	118	55	162	131	0	113	83	0
2009	119	54	162	143	0	113	91	^d
2010	119	63	162	142	0	113	84	0
2011	119	59	162	144	0	113	93	0
2012	119	56	162	133	0	113	88	0
2013	119	61	162	133	0	113	90	0
2003–2012								
Average	119	51	162	131	2	114	89	0

^a Active Permits are defined as follows: all permanent permits, regardless of whether they have been renewed, and interim use and interim entry permits that have been issued. Excluded from Active Permits are any permits that have been revoked and interim permits that have not been issued (renewed) for the given year.

^b Making at least one delivery during the year.

^c During a portion of the season, in specific sections, Area T set and drift gillnet fishermen are allowed to fish in portions of the Alaska Peninsula Area.

^d Confidentiality requirements prohibit the release of this information.

Appendix A7.—Number of Area T permit holders fishing by general location in the Alaska Peninsula Area, 1984–2013.

Year	Drift Gillnet				Set Gillnet		
	Ilnik and Outer Port Heiden ^a	Inner Port Heiden	Cinder River	Total Area T	Inner Port Heiden	Cinder River	Total Area T
1984	8	19	25	52	4	11	15
1985	0	25	23	48	6	11	18
1986	13	23	^b	37	7	0	7
1987	17	23	10	50	5	4	9
1988	22	28	18	68	7	7	14
1989	34	22	15	71	5	13	18
1990	0	28	39	67	5	11	15
1991	0	22	50	72	4	8	12
1992	0	20	85	105	4	14	18
1993	0	17	34	51	^b	8	^b
1994	0	18	59	77	^b	7	^b
1995	0	19	62	81	5	7	12
1996	0	0	32	32	0	6	6
1997	0	17	25	42	^b	7	^b
1998	0	10	50	60	^b	6	^b
1999	0	9	12	21	0	^b	^b
2000	0	12	15	27	^b	^b	^b
2001	0	0	4	4	0	^b	^b
2002	0	0	^b	^b	0	0	0
2003	0	0	4	4	0	0	0
2004	0	0	^b	^b	0	0	0
2005	0	4	6	10	0	^b	^b
2006	0	6	0	6	0	0	0
2007	0	0	0	0	0	0	0
2008	0	0	0	0	0	0	0
2009	0	0	0	0	0	^b	0
2010	0	0	0	0	0	0	0
2011	0	0	0	0	0	0	0
2012	0	0	0	0	0	0	0
2013	0	0	0	0	0	0	0

^a The Outer Port Heiden Section was closed to commercial salmon fishing and after 1989 the Alaska Board of Fisheries adopted regulation that closed the Ilnik Section except Ilnik Lagoon to Area T permit holders.

^b Confidentiality requirements prohibit the release of this information.

APPENDIX B. COMMERCIAL HARVEST DATA

Appendix B1.—Alaska Peninsula and Aleutian Islands commercial salmon harvest in numbers of fish by year, in the South Alaska Peninsula, North Alaska Peninsula, Aleutian Islands, and Atka-Amlia areas, 1906–2013.

Year		Chinook	Sockeye	Coho	Pink	Chum	Total ^a
1906	South Peninsula	0	0	0	0	0	0
	North Peninsula	1,500	135,000	0	0	0	136,500
	Aleutian Islands	0	0	0	0	0	0
	Total	1,500	135,000	0	0	0	136,500
1907	South Peninsula	0	0	0	0	0	0
	North Peninsula	1,700	66,500	3,200	1,500	0	72,900
	Aleutian Islands	0	0	0	0	0	0
	Total	1,700	66,500	3,200	1,500	0	72,900
1908	South Peninsula	0	69,400	0	0	0	69,400
	North Peninsula	1,500	166,900	0	0	0	168,400
	Aleutian Islands	0	0	0	0	0	0
	Total	1,500	236,300	0	0	0	237,800
1909	South Peninsula	0	108,400	7,200	0	0	115,600
	North Peninsula	1,500	143,000	0	0	1,000	145,500
	Aleutian Islands	0	0	0	0	0	0
	Total	1,500	251,400	7,200	0	1,000	261,100
1910	South Peninsula	0	46,300	5,500	0	0	51,800
	North Peninsula	0	0	0	0	0	0
	Aleutian Islands	0	0	0	0	0	0
	Total	0	46,300	5,500	0	0	51,800
1911	South Peninsula	0	240,800	12,400	25,200	83,000	361,400
	North Peninsula	0	129,600	0	0	0	129,600
	Aleutian Islands	0	9,300	0	0	0	9,300
	Total	0	379,700	12,400	25,200	83,000	500,300
1912	South Peninsula	0	334,400	27,000	40,400	195,000	596,800
	North Peninsula	900	252,700	11,000	0	2,400	267,000
	Aleutian Islands	0	0	0	0	0	0
	Total	900	587,100	38,000	40,400	197,400	863,800
1913	South Peninsula	1,800	299,700	0	0	7,000	308,500
	North Peninsula	600	888,800	18,700	0	2,000	910,100
	Aleutian Islands	0	0	0	0	0	0
	Total	2,400	1,188,500	18,700	0	9,000	1,218,600
1914	South Peninsula	600	628,900	0	311,000	221,100	1,171,500
	North Peninsula	8,100	1,325,100	0	0	0	1,333,200
	Aleutian Islands	0	0	0	0	0	0
	Total	8,700	1,954,000	9,900	311,000	221,100	2,504,700
1915	South Peninsula	4,800	367,900	16,200	120,100	333,100	842,100
	North Peninsula	14,000	1,974,300	0	0	54,800	2,043,100
	Aleutian Islands	0	0	0	0	0	0
	Total	18,800	2,342,200	16,200	120,100	387,900	2,885,200

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Year		Chinook	Sockeye	Coho	Pink	Chum	Total ^a
1916	South Peninsula	6,800	730,900	34,100	576,100	508,900	1,856,800
	North Peninsula	44,200	1,974,700	0	2,600	191,400	2,212,900
	Aleutian Islands	0	76,500	1,200	180,300	100	258,100
	Total	51,000	2,782,100	35,300	759,000	700,400	4,327,800
1917	South Peninsula	6,400	1,486,100	4,600	72,100	415,500	1,984,700
	North Peninsula	20,000	679,600	6,800	600	90,300	797,300
	Aleutian Islands	0	70,400	3,800	600	23,100	97,900
	Total	26,400	2,236,100	15,200	73,300	528,900	2,879,900
1918	South Peninsula	8,700	1,014,100	16,300	2,150,000	1,501,000	4,690,900
	North Peninsula	9,700	1,208,500	0	1,200	252,300	1,471,700
	Aleutian Islands	0	55,200	4,400	75,600	135,200	270,400
	Total	18,400	2,277,800	20,700	2,227,600	1,888,500	6,433,000
1919	South Peninsula	9,600	619,100	56,100	80,200	921,400	1,686,400
	North Peninsula	19,600	389,200	0	12,000	143,500	564,300
	Aleutian Islands	0	3,900	800	4,000	0	8,700
	Total	29,200	1,012,200	56,900	96,200	1,064,900	2,259,400
1920	South Peninsula	7,800	1,142,300	47,700	2,109,800	934,000	4,241,600
	North Peninsula	19,000	1,371,900	0	0	37,000	1,427,900
	Aleutian Islands	0	10,100	2,800	0	0	12,900
	Total	26,800	2,524,300	50,500	2,109,800	971,000	5,682,400
1921	South Peninsula	700	830,700	1,500	47,300	84,600	964,800
	North Peninsula	12,500	1,746,500	0	0	32,800	1,791,800
	Aleutian Islands	0	0	0	0	0	0
	Total	13,200	2,577,200	1,500	47,300	117,400	2,756,600
1922	South Peninsula	6,900	3,376,800	2,200	756,700	349,300	4,491,900
	North Peninsula	10,400	667,900	0	0	42,900	721,200
	Aleutian Islands	0	14,000	0	0	0	14,000
	Total	17,300	4,058,700	2,200	756,700	392,200	5,227,100
1923	South Peninsula	4,100	1,827,200	75,300	143,600	538,900	2,589,100
	North Peninsula	9,100	731,700	100	0	25,800	766,700
	Aleutian Islands	0	0	0	0	0	0
	Total	13,200	2,558,900	75,400	143,600	564,700	3,355,800
1924	South Peninsula	3,900	1,352,000	127,300	3,931,300	1,330,700	6,745,200
	North Peninsula	10,500	701,700	0	0	48,400	760,600
	Aleutian Islands	0	24,900	0	673,800	100	698,800
	Total	14,400	2,078,600	127,300	4,605,100	1,379,200	8,204,600
1925	South Peninsula	10,700	820,500	127,100	382,100	1,116,800	2,457,200
	North Peninsula	10,600	400,200	0	0	53,900	464,700
	Aleutian Islands	0	18,600	0	3,800	9,100	31,500
	Total	21,300	1,239,300	127,100	385,900	1,179,800	2,953,400
1926	South Peninsula	9,500	3,071,500	193,800	3,719,700	1,179,800	8,174,300
	North Peninsula	23,900	672,900	0	0	71,500	768,300
	Aleutian Islands	0	1,300	0	521,700	7,800	530,800
	Total	33,400	3,745,700	193,800	4,241,400	1,259,100	9,473,400

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Year		Chinook	Sockeye	Coho	Pink	Chum	Total ^a
1927	South Peninsula	9,600	714,700	125,300	1,455,500	1,299,700	3,604,800
	North Peninsula	16,500	230,600	100	0	87,000	334,200
	Aleutian Islands	0	17,300	0	334,600	0	351,900
	Total	26,100	962,600	125,400	1,790,100	1,386,700	4,290,900
1928	S.Pen & Aleutian	7,700	971,500	96,600	900,900	2,416,300	4,393,000
	North Peninsula	4,600	855,600	0	0	83,500	943,700
	Total	12,300	1,827,100	96,600	900,900	2,499,800	5,336,700
1929	S.Pen & Aleutian	10,500	935,800	84,500	1,793,500	2,429,000	5,253,300
	North Peninsula	4,100	878,000	0	0	145,200	1,027,300
	Total	14,600	1,813,800	84,500	1,793,500	2,574,200	6,280,600
1930	S.Pen & Aleutian	10,900	935,200	161,100	6,094,800	1,278,100	8,480,100
	North Peninsula	3,800	167,700	0	0	93,400	265,200
	Total	14,700	1,102,900	161,100	6,094,800	1,371,800	8,745,300
1931	S.Pen & Aleutian	11,000	1,863,200	128,700	997,900	1,216,000	4,211,800
	North Peninsula	1,300	761,000	0	0	54,900	817,200
	Total	12,300	2,624,200	128,700	997,900	1,265,900	5,029,000
1932	S.Pen & Aleutian	17,400	2,977,300	112,300	3,604,800	817,300	7,529,100
	North Peninsula	3,200	977,100	0	0	56,300	1,036,600
	Total	20,600	3,954,400	112,300	3,604,800	873,600	8,565,700
1933	S.Pen & Aleutian	12,600	1,996,700	190,000	3,109,200	1,173,900	6,482,400
	North Peninsula	1,100	350,100	0	0	16,000	367,200
	Total	13,700	2,346,800	190,000	3,109,200	1,189,900	6,849,600
1934	S.Pen & Aleutian	17,600	1,372,400	247,100	6,538,500	1,940,300	10,115,900
	North Peninsula	1,600	1,091,300	0	400	13,000	1,106,300
	Total	19,200	2,463,700	247,100	6,538,900	1,953,300	11,222,200
1935	S.Pen & Aleutian	13,900	978,400	117,200	5,386,200	2,003,100	8,498,800
	North Peninsula	1,000	479,200	0	100	33,800	514,100
	Total	14,900	1,457,600	117,200	5,386,300	2,036,900	9,012,900
1936	S.Pen & Aleutian	14,400	3,662,600	284,600	9,471,000	2,310,900	15,743,500
	North Peninsula	1,000	610,700	0	2,800	19,000	633,500
	Total	15,400	4,273,300	284,600	9,473,800	2,329,900	16,377,000
1937	S.Pen & Aleutian	9,300	1,558,000	73,900	9,302,000	1,506,700	12,449,900
	North Peninsula	1,600	860,900	0	100	65,600	928,200
	Total	10,900	2,418,900	73,900	9,302,100	1,572,300	13,378,100
1938	S.Pen & Aleutian	6,400	772,100	220,700	7,169,100	1,476,600	9,644,900
	North Peninsula	5,900	1,009,600	0	0	34,700	1,050,200
	Total	12,300	1,781,700	220,700	7,169,100	1,511,300	10,695,100
1939	S.Pen & Aleutian	16,500	1,881,700	98,900	6,005,300	1,440,600	9,443,000
	North Peninsula	3,900	746,200	0	0	82,200	832,300
	Total	20,400	2,527,900	98,900	6,005,300	1,522,800	10,275,300
1940	S.Pen & Aleutian	9,100	1,040,300	184,200	7,182,800	2,326,300	10,472,700
	North Peninsula	700	678,900	0	0	65,600	745,200
	Total	9,800	1,719,200	184,200	7,182,800	2,391,900	11,487,900

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Year		Chinook	Sockeye	Coho	Pink	Chum	Total ^a
1941	S.Pen & Aleutian	13,000	1,072,000	183,000	5,347,000	1,542,000	8,157,800
	North Peninsula	700	491,700	0	3,200	30,200	525,800
	Total	13,700	1,563,700	183,000	5,350,200	1,572,200	8,682,800
1942	S.Pen & Aleutian	4,800	810,100	123,000	6,762,600	1,321,100	9,021,600
	North Peninsula	0	0	0	0	0	0
	Total	4,800	810,100	123,000	6,762,600	1,321,100	9,021,600
1943	S.Pen & Aleutian	21,700	2,397,700	90,600	4,360,200	924,500	7,794,700
	North Peninsula	200	567,400	0	1,300	50,400	619,300
	Total	21,900	2,965,100	90,600	4,361,500	974,900	8,414,000
1944	S.Pen & Aleutian	9,900	538,600	238,700	2,653,800	985,600	4,426,600
	North Peninsula	100	414,700	0	2,600	157,900	575,300
	Total	10,000	953,300	238,700	2,656,400	1,143,500	5,001,900
1945	S.Pen & Aleutian	21,400	813,400	116,100	3,639,600	948,900	5,539,400
	North Peninsula	100	394,400	0	2,500	335,100	732,100
	Total	21,500	1,207,800	116,100	3,642,100	1,284,000	6,271,500
1946	S.Pen & Aleutian	6,100	752,300	151,400	1,964,000	1,219,900	4,093,700
	North Peninsula	2,500	697,700	300	0	36,000	736,500
	Total	8,600	1,450,000	151,700	1,964,000	1,255,900	4,830,200
1947	S.Pen & Aleutian	3,400	1,137,100	55,800	2,319,600	1,219,200	4,735,100
	North Peninsula	100	357,700	100	100	75,000	433,000
	Total	3,500	1,491,800	55,900	2,319,700	1,294,200	5,168,100
1948	S.Pen & Aleutian	1,200	285,900	39,200	1,683,700	1,139,600	3,149,600
	North Peninsula	1,200	477,600	17,200	0	161,700	658,700
	Total	3,400	763,500	56,400	1,683,700	1,301,300	3,808,300
1949	S.Pen & Aleutian	3,800	637,500	19,500	1,544,000	560,900	2,765,700
	North Peninsula	700	137,100	25,700	0	40,700	204,200
	Total	4,500	774,600	45,200	1,544,000	601,600	2,969,900
1950	S.Pen & Aleutian	4,000	1,745,300	70,700	1,613,700	562,500	3,996,200
	North Peninsula	1,100	127,800	37,800	0	217,600	284,300
	Total	5,100	1,873,100	108,500	1,613,700	780,100	4,380,500
1951	South Peninsula	1,500	264,200	55,700	2,844,800	683,100	3,849,300
	North Peninsula	1,200	358,900	32,900	20,400	203,000	616,400
	Aleutians	0	11,700	400	500	94,500	107,100
	Total	2700	634,800	89000	2865700	980,600	4,572,800
1952	South Peninsula	9,200	894,500	39,200	908,500	1,040,800	2,892,200
	North Peninsula	700	354,800	54,200	1,400	246,900	658,000
	Aleutian Islands	200	42,800	0	31,800	25,700	100,500
	Total	10,100	1,292,100	93,400	941,700	1,313,400	3,650,700
1953	South Peninsula	7,200	1,039,200	47,900	2,743,900	1,464,600	5,302,800
	North Peninsula	800	537,300	26,200	18,300	224,400	807,000
	Aleutian Islands	0	4,200	500	69,200	800	74,700
	Total	8,000	1,580,700	74,600	2,831,400	1,689,800	6,184,500

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Year		Chinook	Sockeye	Coho	Pink	Chum	Total ^a
1954	South Peninsula	4,200	636,300	49,400	2,033,300	1,413,400	4,136,600
	North Peninsula	3,400	354,700	35,000	18,500	405,000	816,600
	Aleutian Islands	0	6,300	800	566,500	200	573,800
	Total	7,600	997,300	85,200	2,618,300	1,818,600	5,527,000
1955	South Peninsula	5,400	550,100	44,800	2,529,200	688,200	3,817,700
	North Peninsula	4,100	586,600	6,200	900	129,600	727,400
	Aleutian Islands	0	12,600	100	31,100	400	44,200
	Total	9,500	1,149,300	51,100	2,561,200	818,200	4,589,300
1956	South Peninsula	4,800	641,400	61,900	2,740,700	1,618,700	5,067,500
	North Peninsula	4,200	1,370,900	8,200	28,500	427,400	1,839,200
	Aleutian Islands	0	400	0	33,900	0	34,300
	Total	9,000	2,012,700	70,100	2,803,100	2,046,100	6,941,000
1957	South Peninsula	5,800	341,900	49,900	913,100	1,281,400	2,592,100
	North Peninsula	1,000	327,900	18,300	3,300	274,900	625,400
	Aleutian Islands	2,300	27,300	100	500	13,900	44,100
	Total	9,100	697,100	68,300	916,900	1,570,200	3,261,600
1958	South Peninsula	800	186,100	70,600	1,385,200	841,000	2,483,700
	North Peninsula	15,000	473,800	57,100	60,400	254,800	861,100
	Aleutian Islands	0	300	0	613,200	3,700	617,200
	Total	15,800	660,200	127,700	2,058,800	1,099,500	3,962,000
1959	South Peninsula	900	217,500	8,500	915,600	711,700	1,854,200
	North Peninsula	28,700	634,900	59,100	9,600	404,700	1,137,000
	Aleutian Islands	0	6,100	0	12,000	100	18,200
	Total	29,600	858,500	67,600	937,200	1,116,500	3,009,400
1960	South Peninsula	1,700	379,000	1,800	1,197,500	904,400	2,484,400
	North Peninsula	10,400	692,800	44,000	34,700	607,200	1,389,100
	Aleutian Islands	0	7,600	0	444,900	300	452,800
	Total	12,100	1,079,400	45,800	1,677,100	1,511,900	4,326,300
1961	South Peninsula	900	456,800	10,400	1,727,800	748,600	2,944,500
	North Peninsula	6,100	387,700	24,600	3,000	153,300	574,700
	Aleutian Islands	0	2,700	0	94,000	200	96,900
	Total	7,000	847,200	35,000	1,824,800	902,100	3,616,100
1962	South Peninsula	3,300	420,000	12,500	1,965,500	824,800	3,226,100
	North Peninsula	5,400	249,700	35,200	31,200	34,900	356,400
	Aleutian Islands	0	5,500	100	2,001,700	1,200	2,008,500
	Total	8,700	675,200	47,800	3,998,400	860,900	5,591,000
1963	South Peninsula	1,900	204,400	16,500	2,367,700	461,300	3,051,800
	North Peninsula	3,600	225,200	40,500	6,900	49,900	326,100
	Aleutian Islands	0	4,500	0	93,900	300	98,700
	Total	5,500	434,100	57,000	2,468,500	511,500	3,476,600
1964	South Peninsula	2,000	370,800	13,600	2,740,400	751,000	3,877,800
	North Peninsula	3,600	250,800	36,600	6,800	139,000	436,800
	Aleutian Islands	0	200	0	194,100	2,300	196,600
	Total	5,600	621,800	50,200	2,941,300	892,300	4,511,200

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Year		Chinook	Sockeye	Coho	Pink	Chum	Total ^a
1965	South Peninsula	2,100	915,700	34,200	2,884,100	556,400	4,392,500
	North Peninsula	6,100	199,500	34,500	2,100	69,700	311,900
	Aleutian Islands	0	0	0	0	0	0
	Total	8,200	1,115,200	68,700	2,886,200	626,100	4,704,400
1966	South Peninsula	1,400	606,200	6,300	302,300	494,400	1,410,600
	North Peninsula	5,600	245,300	37,300	16,000	82,800	387,000
	Aleutian Islands	0	1,000	0	63,500	700	65,200
	Total	7,000	852,500	43,600	381,800	577,900	1,862,800
1967	South Peninsula	1,600	294,100	2,900	77,800	245,200	621,600
	North Peninsula	5,500	224,700	46,800	700	41,300	319,000
	Aleutians	0	200	0	7,900	0	8,100
	Total	7,100	519,000	49,700	86,400	286,500	948,700
1968	South Peninsula	1,400	699,800	31,100	1,287,100	325,300	2,344,700
	North Peninsula	4,500	237,100	64,900	200	73,500	380,200
	Aleutian Islands	0	2,000	100	902,800	800	905,700
	Total	5,900	938,900	96,100	2,190,100	399,600	3,630,600
1969	South Peninsula	1,900	912,800	10,900	1,219,400	389,200	2,534,200
	North Peninsula	4,800	321,300	49,100	100	28,100	403,400
	Aleutian Islands	0	1,900	0	242,200	1,500	245,600
	Total	6,700	1,236,000	60,000	1,461,700	418,800	3,183,200
1970	South Peninsula	1,806	1,779,525	32,571	1,737,985	993,349	4,545,236
	North Peninsula	3,829	187,793	26,327	7,904	47,989	273,842
	Aleutian Islands	6	208	135	644,121	3,029	647,499
	Total	5,644	1,967,526	59,033	2,390,010	1,044,367	5,466,580
1971	South Peninsula	2,174	716,087	16,907	1,445,031	1,365,957	3,546,156
	North Peninsula	2,187	353,784	8,222	297	64,154	428,644
	Aleutian Islands	0	333	2	45,114	58	45,507
	Total	4,361	1,070,204	25,131	1,490,442	1,430,169	4,020,307
1972	South Peninsula	1,332	557,422	8,021	78,221	731,814	1,376,810
	North Peninsula	1,790	179,325	9,684	129	84,687	275,615
	Aleutian Islands	0	69	1	2,784	6	2,860
	Total	3,122	736,816	17,706	81,134	816,507	1,655,285
1973	South Peninsula	415	330,091	6,599	58,051	292,943	688,099
	North Peninsula	2,569	165,388	19,776	143	152,773	340,649
	Aleutian Islands	0	0	0	2,042	0	2,042
	Total	3,042	495,481	26,375	60,236	445,716	1,030,850
1974	South Peninsula	581	197,153	9,366	100,601	71,826	379,527
	North Peninsula	2,710	246,209	16,799	10,599	34,417	310,734
	Aleutian Islands	0	0	0	0	0	0
	Total	3,301	443,362	26,165	111,200	106,243	690,271
1975	South Peninsula	117	243,548	67	60,642	130,750	435,124
	North Peninsula	2,093	233,293	28,349	295	8,770	272,800
	Aleutian Islands	0	19,402	0	659	1,881	21,942
	Total	2,210	496,243	28,422	61,596	141,401	729,872

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Year		Chinook	Sockeye	Coho	Pink	Chum	Total ^a
1976	South Peninsula	2,196	375,027	216	2,366,833	532,503	3,276,775
	North Peninsula	4,947	641,134	26,061	672	73,589	746,403
	Aleutian Islands	0	0	0	0	0	0
	Total	7,149	1,016,161	26,277	2,367,505	606,092	4,023,184
1977	South Peninsula	559	311,722	2,108	1,448,648	243,167	2,006,204
	North Peninsula	5,489	472,006	34,137	888	129,168	641,688
	Aleutian Islands	0	0	0	0	0	0
	Total	6,048	783,728	36,245	1,449,536	372,335	2,647,892
1978	South Peninsula	773	579,411	60,774	5,590,145	546,182	6,777,285
	North Peninsula	13,524	896,616	63,341	485,224	163,804	1,622,509
	Aleutian Islands	0	1,829	0	38,109	6	39,944
	Total	15,031	1,477,856	124,115	6,113,478	709,992	8,440,472
1979	South Peninsula	2,141	1,149,927	356,867	6,564,914	482,930	8,556,779
	North Peninsula	15,704	1,979,167	112,835	4,994	65,711	2,178,411
	Aleutian Islands	0	12,206	0	539,393	242	551,841
	Total	19,248	3,141,300	469,702	7,109,301	548,883	11,288,434
1980	South Peninsula	4,794	3,613,025	274,181	7,861,470	1,353,112	13,106,582
	North Peninsula	16,627	1,397,118	127,878	301,672	700,196	2,543,491
	Aleutian Islands	2	9,226	2	2,597,461	4,874	2,611,565
	Total	21,601	5,019,370	402,061	10,760,603	2,058,183	18,261,818
1981	South Peninsula	11,182	2,241,513	162,223	5,033,028	1,768,475	9,216,421
	North Peninsula	18,385	1,844,335	155,420	11,217	706,818	2,736,175
	Aleutian Islands	16	5,430	188	302,786	6,553	314,973
	Total	30,073	4,091,278	317,831	5,347,031	2,481,846	12,268,059
1982	South Peninsula	9,845	2,345,981	256,046	6,734,905	2,272,495	11,619,272
	North Peninsula	29,770	1,435,277	238,016	12,321	331,133	2,046,517
	Aleutian Islands	0	2,672	28	1,447,818	6,148	1,456,666
	Total	39,958	3,783,933	494,090	8,195,044	2,609,776	15,122,801
1983	South Peninsula	26,571	2,556,557	127,657	2,827,622	1,704,072	7,242,479
	North Peninsula	29,006	2,090,142	75,138	3,404	348,307	2,545,997
	Aleutian Islands	0	4,405	0	2,005	11,361	17,771
	Total	56,050	4,654,336	202,795	2,833,031	2,064,155	9,810,367
1984 ^b	South Peninsula	9,198	2,318,028	310,950	11,589,258	1,654,622	15,882,056
	North Peninsula	22,747	1,734,851	198,582	27,419	796,723	2,780,322
	Aleutian Islands	26	67,163	1,923	2,309,665	32,025	2,410,802
	Total	32,190	4,120,047	511,455	13,926,342	2,483,375	21,073,409
1985	South Peninsula	6,642	2,144,416	172,514	4,431,016	1,348,726	8,103,314
	North Peninsula	23,403	2,596,073	176,118	3,054	666,616	3,465,264
	Aleutian Islands	40	2,750	0	90	14,175	17,055
	Total	30,210	4,743,247	348,632	4,434,160	2,029,532	11,585,781
1986	South Peninsula	5,589	1,223,089	235,854	4,031,487	1,749,651	7,245,670
	North Peninsula	11,735	2,463,734	164,071	22,630	271,216	2,933,386
	Aleutian Islands	11	7,702	60	42,621	38,819	89,213
	Total	17,340	3,694,526	399,985	4,096,738	2,059,686	10,268,275

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Year		Chinook	Sockeye	Coho	Pink	Chum	Total ^a
1987	South Peninsula	9,174	1,449,753	225,120	1,208,556	1,375,887	4,268,490
	North Peninsula	14,186	1,209,435	171,784	3,486	368,696	1,767,587
	Aleutian Islands	0	75	0	0	0	75
	Total	23,360	2,659,263	396,904	1,212,042	1,744,583	6,036,152
1988	South Peninsula	11,075	1,473,651	505,533	7,044,824	1,908,507	10,943,590
	North Peninsula	16,721	1,528,107	233,966	65,242	393,075	2,237,111
	Aleutian Islands	0	4,315	7	183,109	450	187,881
	Total	27,880	3,006,082	739,506	7,293,175	2,302,034	13,368,677
1989	South Peninsula	7,009	2,659,101	441,397	7,289,130	993,492	11,390,129
	North Peninsula	10,698	1,718,001	227,551	4,103	156,992	2,117,345
	Aleutian Islands	0	8,248	0	6,700	0	14,948
	Total	18,013	4,387,764	671,394	7,303,461	1,151,408	13,532,040
1990	South Peninsula	16,497	2,385,560	305,510	2,861,283	1,234,679	6,803,529
	North Peninsula	12,320	2,416,047	192,978	517,724	126,113	3,265,182
	Aleutian Islands	2	12,435	74	282,823	1,038	296,372
	Total	28,844	4,815,326	500,270	3,666,403	1,364,977	10,375,820
1991	South Peninsula	7,510	2,304,531	313,223	10,596,596	1,573,773	14,795,633
	North Peninsula	9,359	2,931,406	218,274	4,249	191,278	2,814,566
	Aleutian Islands	0	796	0	0	0	796
	Total	17,347	4,712,149	535,403	10,621,005	1,780,078	17,665,982
1992	South Peninsula	7,933	3,438,875	414,948	9,759,657	1,310,337	14,931,750
	North Peninsula	13,136	3,575,507	206,813	194,395	341,616	4,331,467
	Aleutian Islands	0	3,082	0	312,072	1,230	316,384
	Atka-Amlia	0	231	42	7,972	308	8,553
	Total	21,069	7,017,695	621,803	10,274,096	1,653,491	19,588,154
1993	South Peninsula	14,083	3,682,604	215,256	9,925,123	1,046,407	14,883,473
	North Peninsula	22,417	3,866,479	64,376	5,328	134,957	4,093,557
	Aleutian Islands	0	0	0	0	0	0
	Atka-Amlia	0	24	4	145	563	736
	Total	36,500	7,549,107	279,636	9,930,596	1,181,927	18,977,766
1994	South Peninsula	9,474	2,091,009	251,686	9,143,703	2,178,910	13,674,782
	North Peninsula	18,508	1,783,156	241,913	226,315	83,897	3,353,789
	Aleutian Islands	0	47	6	858,787	617	859,457
	Atka-Amlia	0	16	0	896	0	912
	Total	27,982	3,874,228	493,605	10,229,701	2,263,424	17,888,940
1995	South Peninsula	17,078	2,996,353	260,686	16,302,593	1,715,067	21,291,777
	North Peninsula	7,540	3,272,748	135,639	12,171	99,293	3,527,391
	Aleutian Islands	0	0	0	0	0	0
	Atka-Amlia	0	0	0	0	0	0
	Total	24,618	6,269,101	396,325	16,314,764	1,814,360	24,819,168
1996	South Peninsula	5,071	1,528,587	278,191	2,187,239	775,057	4,774,145
	North Peninsula	4,941	1,911,126	157,313	53,842	67,956	2,195,178
	Aleutian Islands	0	0	0	0	0	0
	Atka-Amlia	0	0	0	20	0	20
	Total	10,012	3,439,713	435,504	2,241,101	843,013	6,969,343

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Year		Chinook	Sockeye	Coho	Pink	Chum	Total ^a
1997	South Peninsula	7,163	2,258,189	112,432	2,303,926	606,254	5,287,964
	North Peninsula	10,352	2,151,010	94,776	50,701	97,380	2,404,219
	Aleutian Islands	0	0	0	0	0	0
	Atka-Amlia	0	0	0	0	0	0
	Total	17,515	4,409,199	207,208	2,354,627	703,634	7,692,183
1998	South Peninsula	4,796	2,170,803	154,170	8,040,681	711,526	11,081,976
	North Peninsula	5,288	1,087,552	134,724	34,810	69,516	1,332,530
	Aleutian Islands	0	0	0	0	0	0
	Atka-Amlia	0	0	0	0	0	0
	Total	10,084	3,258,355	288,894	8,075,491	781,042	12,414,506
1999	South Peninsula	4,815	2,948,267	192,485	8,443,343	816,966	12,405,876
	North Peninsula	4,886	1,783,804	53,907	4,367	50,120	1,897,084
	Aleutian Islands	0	0	0	0	0	0
	Atka-Amlia	0	0	0	0	0	0
	Total	9,701	4,732,071	246,392	8,447,710	867,086	14,302,960
2000	South Peninsula	5,104	1,984,576	257,146	3,549,545	1,055,316	6,851,687
	North Peninsula	3,904	1,968,882	83,655	34,373	93,696	2,184,510
	Aleutian Islands	1	0	59	256,050	0	256,110
	Atka-Amlia	0	0	0	0	0	0
	Total	9,009	3,953,458	340,860	3,839,968	1,149,012	9,292,307
2001	South Peninsula	2,302	607,756	210,899	4,012,057	921,986	5,755,000
	North Peninsula	4,412	1,147,030	22,162	12,469	174,523	1,360,596
	Aleutian Islands	0	0	0	0	0	0
	Atka-Amlia	0	0	0	0	0	0
	Total	6,714	1,754,786	233,061	4,024,526	1,096,509	7,115,596
2002	South Peninsula	6,399	1,035,232	202,717	2,170,376	819,030	4,233,754
	North Peninsula	3,852	1,415,872	28,751	21,461	51,040	1,520,976
	Aleutian Islands	0	0	0	0	0	0
	Atka-Amlia	0	0	0	0	0	0
	Total	10,251	2,451,104	231,468	2,191,837	870,070	5,754,730
2003	South Peninsula	2,712	1,054,208	131,097	4,258,274	637,305	6,083,596
	North Peninsula	4,545	1,477,391	53,137	18,624	38,755	1,592,452
	Aleutian Islands	0	0	0	0	0	0
	Atka-Amlia	0	0	0	0	0	0
	Total	7,257	2,531,599	184,234	4,276,898	676,060	7,676,048
2004	South Peninsula	7,050	2,199,944	235,600	6,665,831	790,109	9,898,534
	North Peninsula	10,402	2,433,778	33,920	15,828	14,958	2,508,886
	Aleutian Islands	0	0	0	0	0	0
	Atka-Amlia	0	0	0	0	0	0
	Total	17,452	4,633,722	269,520	6,681,659	805,067	12,407,420
2005	South Peninsula	4,487	2,337,097	143,617	9,416,197	739,460	12,640,858
	North Peninsula	9,198	3,115,807	71,192	3,830	42,539	3,242,566
	Aleutian Islands	0	0	0	0	0	0
	Atka-Amlia	0	0	0	0	0	0
	Total	13,685	5,452,904	214,809	9,420,027	781,999	15,883,424

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Year		Chinook	Sockeye	Coho	Pink	Chum	Total ^a
2006	South Peninsula	5,412	1,850,029	169,620	4,261,824	1,177,806	7,464,691
	North Peninsula	7,633	2,375,158	93,955	64,207	131,718	2,672,671
	Aleutian Islands	0	2,329	0	991,687	1,534	995,550
	Atka- Amlia	0	0	0	0	0	0
	Total	13,045	4,227,516	263,575	5,317,718	1,311,058	11,132,912
2007	South Peninsula	5,312	2,438,672	150,955	7,299,330	679,787	10,574,056
	North Peninsula	7,609	3,408,818	69,010	137,882	181,009	3,804,328
	Aleutian Islands	0	0	0	1,017,164	0	1,017,164
	Atka- Amlia	0	0	0	0	0	0
	Total	12,921	5,847,490	219,965	8,454,376	860,796	15,395,548
2008	South Peninsula	4,366	2,239,210	225,659	12,710,050	802,404	15,981,689
	North Peninsula	1,799	2,003,906	125,237	21,136	177,364	2,329,442
	Aleutian Islands	1	29	48	784,828	261	785,167
	Atka- Amlia	0	0	0	0	0	0
	Total	6,166	4,243,145	350,944	13,516,014	980,029	19,096,298
2009	South Peninsula	5,847	1,722,929	248,174	7,899,988	1,680,358	11,557,296
	North Peninsula	3,189	2,426,601	67,601	275,083	105,994	2,878,468
	Aleutian Islands	0	703	16	1,625,910	2,005	1,628,634
	Atka- Amlia	0	0	0	0	0	0
	Total	9,036	4,150,233	315,791	9,800,981	1,788,357	16,064,398
2010	South Peninsula	7,848	1,274,112	164,640	833,788	790,131	3,070,519
	North Peninsula	2,772	2,229,978	62,147	7,833	259,063	2,561,793
	Aleutian Islands	2	1,263	0	25,668	4,862	31,795
	Atka- Amlia	0	0	0	0	0	0
	Total	10,622	3,505,353	226,787	867,289	1,054,056	5,664,107
2011	South Peninsula	7,207	1,916,839	153,433	4,992,228	977,755	8,047,462
	North Peninsula	2,368	923,194	19,440	108,830	293,782	1,347,614
	Aleutian Islands	2	1,863	2	632,889	235	634,991
	Atka- Amlia	0	0	0	0	0	0
	Total	9,577	2,841,896	172,875	5,733,947	1,271,772	10,030,067
2012	South Peninsula	7,644	1,993,880	86,724	476,064	610,911	3,175,223
	North Peninsula	1,053	764,388	37,399	1,173	283,035	1,087,048
	Aleutian Islands	0	0	0	173,252	245	173,497
	Atka- Amlia	0	0	0	0	0	0
	Total	8,697	2,758,268	124,123	650,489	894,191	4,435,768
2013	South Peninsula	6,652	2,234,800	293,187	7,798,974	946,764	11,280,377
	North Peninsula	571	721,336	27,452	5,281	130,939	885,579
	Aleutian Islands	0	0	0	0	0	0
	Atka- Amlia	0	0	0	0	0	0
	Total	7,223	2,956,136	320,639	7,804,255	1,077,703	12,165,956
2003–2012 Average	South Peninsula	5,789	1,902,692	170,952	5,881,357	888,603	8,849,392
	North Peninsula	5,057	2,115,902	63,304	65,443	152,822	2,402,527
	Aleutian Islands	1	619	7	525,140	914	526,680
	Atka- Amlia	0	0	0	0	0	0
	Total	10,846	4,019,213	234,262	6,471,940	1,042,339	11,778,599

^a Does not include test fishery catches.

^b On June 18, 1984 fishermen harvested 23 Chinook, 63,929 sockeye, 1,900 coho, 18,950 pink, and 8,409 chum salmon in Unimak Pass. Unimak Pass was defined as closed to commercial salmon fishing under the Alaska Peninsula portion of the finfish regulations but open to commercial salmon fishing under the Aleutian Islands portion of the finfish regulation book. After 1984, regulations were passed by the Alaska Board of Fisheries closing the Unimak Pass area to commercial salmon fishing until at least July 10.

Appendix B2.—Alaska Peninsula, and Aleutian Islands Management Areas commercial salmon harvest in numbers of fish by statistical area, section, and district, 2013.

Statistical Area	Section	Number of Salmon ^a					Total
		Chinook	Sockeye	Coho	Pink	Chum	
SOUTH PENINSULA							
SOUTHEASTERN DISTRICT							
281-15	Kupreanof Point	22	7,224	249	24,357	1,285	33,137
281-25	Stepovak Bay	238	83,673	4,256	61,139	13,611	162,917
	East Stepovak Section Total	260	90,897	4,505	85,496	14,896	196,054
281-30	Stepovak Flats Section	29	1,038	52	10,300	12,070	23,489
281-40	Grub Gulch/Clark Bay	20	16,793	16	268	537	17,634
281-50	Orzinski Bay	6	1,759	18	67	60	1,910
281-55	American Bay	54	21,362	21	2,597	1,430	25,464
281-62	Chichagof Bay	42	13,382	26	335	416	14,201
281-65	Suzy Creek	1	4,392	21	513	252	5,179
281-67	Dorenoi Bay	17	5,047	21	351	299	5,735
	Northwest Stepovak Section Total	140	62,735	123	4,131	2,994	70,123
281-70	Southwest Stepovak Section	249	77,058	15,490	163,298	9,259	265,354
281-80	Balboa Bay Section	27	17,454	1,411	20,409	2,603	41,904
281-90	Beaver Bay Section	0	671	51	43,707	1,132	45,561
282-10	Popof Strait/Squaw Harbor	154	50,493	5,360	199,381	26,955	282,343
282-11	Unga Cape/East Popof	3,111	490,726	86,296	2,228,256	279,005	3,087,394
282-20	Archeredin Bay	46	43,400	1,655	305,393	15,925	366,419
282-25	West Unga Island	71	59,824	4,678	619,610	28,957	713,140
282-30	Outer Zachary Bay	0	1,699	7	13,471	762	15,939
282-32	Middle Zachary Bay	0	201	10	9,505	9,461	19,177

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Statistical Area	Section	Number of Salmon ^a					Total
		Chinook	Sockeye	Coho	Pink	Chum	
282-35	Inner Zachary Bay	0	432	44	29,205	6,217	35,898
282-40	East Head/West Head	44	6,453	785	26,104	3,612	36,998
282-42	Korovin Island	758	56,764	5,175	101,472	18,058	182,227
282-45	Northeast Bight	0	372	0	6,217	752	7,341
282-50	Koniuji Island	0	0	0	0	0	0
282-65	Southeast Nagai Island	35	21,549	742	47,716	8,599	78,641
282-70	Southwest Nagai Island	111	50,564	6,210	651,593	18,273	726,751
282-75	Cape Horn/Porpoise Rocks	13	3,482	219	31,998	2,335	38,047
282-80	East Nagai Strait	22	10,573	5	9,424	5,313	25,337
	Shumagin Islands Section Total	4,365	796,532	111,186	4,279,345	424,224	5,615,652
SOUTHEASTERN DISTRICT TOTAL		5,070	1,046,385	132,818	4,606,686	467,178	6,258,137
SOUTH CENTRAL DISTRICT							
283-15	Mino Creek - McGinty Point	11	3,129	407	394,203	8,959	406,709
283-17	Coal Bay - South Cape Tolstoi	6	3,654	130	615,216	3,140	622,146
	Mino Cr. - Little Coal B. Section Total	17	6,783	537	1,009,419	12,099	1,028,855
283-20	Southside Cape Tolstoi	0	1,040	119	43,468	2,031	46,658
283-21	Northside Cape Tolstoi	8	6,095	16,160	141,228	2,767	166,258
283-23	Eastside Pavlof Bay	14	1,499	73	880,807	26,182	908,575
	East Pavlof Bay Section Total	22	8,634	16,352	1,065,503	30,980	1,121,491
283-24	Canoe Bay Section	0	452	257	318,198	15,432	334,339
283-25	Northwest Pavlof Bay	1	441	0	15,049	2,970	18,461
283-26	Long Beach/Ukolnoi	61	7,835	3,278	203,817	49,675	264,666
	West Pavlof Bay Section Total	62	8,276	3,278	218,866	52,645	283,127
SOUTH CENTRAL DISTRICT TOTAL		101	24,145	20,424	2,611,986	111,156	2,767,812

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Statistical Area	Section	Number of Salmon ^a					Total
		Chinook	Sockeye	Coho	Pink	Chum	
SOUTHWESTERN DISTRICT							
284-36	Volcano Bay	0	368	463	40,887	3,285	45,003
284-37	Northside Dolgoi Island	18	33,250	1,682	59,154	8,834	102,938
284-38	South Dolgoi/Moss Cape	11	5,257	2,052	52,907	2,483	62,710
284-39	Poperechnoi Island	15	4,469	921	4,830	1,742	11,977
	Volcano Bay Section Total	44	43,344	5,118	157,778	16,344	222,628
284-42	Belkofski Bay Section	1	2,518	124	20,270	1,484	24,397
284-45	King Cove	0	170	104	38,340	346	38,960
284-47	South of Deer Island Section ^b	4	3,610	490	307	283	4,694
284-70	South of Cold Bay Section ^b	0	19	0	0	34	53
	General Section Total	4	3,799	594	38,647	663	43,707
284-55	Deer Island Section	1	5,218	1	13,910	361	19,491
284-62	Outer Cold Bay	0	3,893	1,038	17,387	1,002	23,320
284-65	Lenard Harbor	0	0	18	19,336	12,766	32,120
284-67	Inner Cold Bay	7	3,501	603	27,708	31,330	63,149
	Cold Bay Section Total	7	7,394	1,659	64,431	45,098	118,589
284-75	Thin Point Section^b	0	0	0	0	0	0
284-80	Morzhovoi Bay Section	0	3,559	0	9,296	8,356	21,211
284-90	Ikatan Bay Section	339	220,720	28,052	57,904	40,940	347,955
SOUTHWESTERN DISTRICT TOTAL^c		396	286,881	35,548	380,916	113,366	817,107

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Statistical Area	Section	Number of Salmon ^a					Total
		Chinook	Sockeye	Coho	Pink	Chum	
285-10	Sanak Island Section	55	17,017	12,458	30,984	18,763	79,277
285-20	Bird Island	270	207,475	28,528	39,780	51,712	327,765
285-30	Cape Lazaref	203	195,551	32,200	32,515	70,373	330,842
	Otter Cove Section Total	473	403,026	60,728	72,295	122,085	658,607
285-40	Cape Lutke Section	557	457,346	31,211	96,107	114,216	699,437
UNIMAK DISTRICT TOTAL		1,085	877,389	104,397	199,386	255,064	1,437,321
311-60	Bechevin Bay^d						
SOUTH PENINSULA TOTAL		6,652	2,234,800	293,187	7,798,974	946,764	11,280,377
NORTH PENINSULA							
NORTHWESTERN DISTRICT							
311-20	Dublin Bay Section	0	0	0	0	0	0
311-32	Urilia Bay Section	0	0	0	0	0	0
311-52	Swanson Lagoon Section	0	0	0	0	0	0
311-60	Bechevin Bay Section^b	0	0	0	2,958	9,345	12,303
311-58	Cape Kreitzen to Cape Glazenap ^b						0
312-10	Cape Glazenap to Moffet Point	1	2,468	5	40	3,525	6,039
312-20	Izembek Lagoon ^b						0
312-40	Moffet Bay	7	20,169	20	119	69,090	89,405
	Izembek-Moffet Bay Section Total	8	22,637	25	159	72,615	101,333
NORTHWESTERN DISTRICT TOTAL^c		8	24,098	25	3,123	86,382	113,636

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Statistical Area	Section	Number of Salmon ^a					Total
		Chinook	Sockeye	Coho	Pink	Chum	
NORTHERN DISTRICT							
313-10	Black Hills Section	37	32,373	323	325	21,185	54,243
313-30	Nelson Lagoon Section	346	217,327	21,734	13	7,210	246,630
314-12	Port Moller Bight Section	0	0	0	0	0	0
314-20	Herendeen Bay ^b	0	0	0	0	0	0
314-30	Moller Bay	0	0	0	0	0	0
	Herendeen-Moller Bay Section Total^b	0	0	0	0	0	0
315-11	Bear River	42	59,426	1,510	86	864	61,928
315-20	Muddy River	13	34,909	788	702	663	37,075
	Bear River Section Total	55	94,335	2,298	788	1,527	99,003
316-10	Three Hills Section	1	16,983	1,162	503	322	18,971
316-20	Outside Ilnik	48	54,834	1,674	452	802	57,810
316-22	Ilnik Lagoon	0	0	0	0	0	0
316-25	Strogonof Point	26	26,455	0	0	929	27,410
	Ilnik Section Total	74	81,289	1,674	452	1,731	85,220
317-10	Outer Port Heiden Section	50	254,916	40	77	11,849	266,932
317-20	Inner Port Heiden Section	0	0	0	0	0	0
318-20	Cinder River Section^b	0	0	0	0	0	0
NORTHERN DISTRICT TOTAL^c		563	697,238	27,427	2,158	44,557	771,943
NORTH PENINSULA TOTAL		571	721,336	27,452	5,281	130,939	885,579

-continued-

Statistical Area	Section	Number of Salmon ^a					Total
		Chinook	Sockeye	Coho	Pink	Chum	
UNALASKA DISTRICT-ALEUTIAN ISLANDS ^c		0	0	0	0	0	0
ALEUTIAN ISLANDS TOTAL^e		0	0	0	0	0	0
ALASKA PENINSULA AND ALEUTIAN ISLANDS AREAS TOTAL		7,223	2,956,136	320,639	7,804,255	1,077,703	12,165,956

^a Numbers do not include fish harvested for personal use and ADF&G test fisheries.

^b Confidentiality requirements prohibit the release of this information.

^c Total includes data not released due to confidentiality requirements.

^d The Bechevin Bay Section participates in the South Peninsula's June fishery and therefore June harvest data in this section is reported towards the South Peninsula's harvest. There was no commercial fishing effort in June 2013 in the Bechevin Bay Section.

^e No commercial fishing effort occurred in 2013.

Appendix B3.—Alaska Peninsula and Aleutian Islands areas commercial salmon harvest by gear and species, in numbers and percent, 2013.

	Chinook		Sockeye		Coho		Pink		Chum		Total	
	Number of fish	Percent of total	Number of fish	Percent of total	Number of fish	Percent of total	Number of fish	Percent of total	Number of fish	Percent of total	Number of fish	Percent of total
Area M												
Seine	4,966	68.8	963,499	32.6	158,194	49.3	7,495,085	96.0	766,172	71.1	9,387,916	77.2
Drift Gillnet	1,425	19.7	1,422,320	48.1	123,133	38.4	90,520	1.2	234,089	21.7	1,871,487	15.4
Set Gillnet	832	11.5	570,317	19.3	39,312	12.3	218,650	2.8	77,442	7.2	906,553	7.4
Total	7,223	100.0	2,956,136	100.0	320,639	100.0	7,804,255	100.0	1,077,703	100.0	12,165,956	100.0
Area T												
Drift Gillnet	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Set Gillnet	0	0.0	0	0.0	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	0	0.0	0	0.0
Grand Total												
Seine	4,966	68.8	963,499	32.6	158,194	49.3	7,495,085	96.0	766,172	71.1	9,387,916	77.2
Drift Gillnet	1,425	19.7	1,422,320	48.1	123,133	38.4	90,520	1.2	234,089	21.7	1,871,487	15.4
Set Gillnet	832	11.5	570,317	19.3	39,312	12.3	218,650	2.8	77,442	7.2	906,553	7.4
Total	7,223	100.0	2,956,136	100.0	320,639	100.0	7,804,255	100.0	1,077,703	100.0	12,165,956	100.0

Note: Values do not include test fishery catches.

Appendix B4.—Alaska Peninsula area salmon test fishery catches, 1989–2013.

Year		Number of Adult Salmon					Total
		Chinook	Sockeye	Coho	Pink	Chum	
1989	Shumagin Islands	56	1,699	2,446	3,528	739	8,468
	Total South Peninsula	56	1,699	2,446	0	739	4,940
	North Peninsula	6	638	0	0	97	741
	Alaska Peninsula Total	62	2,337	2,446	3,528	836	9,209
1990	Shumagin Islands	25	1,284	1,708	4,573	3,147	10,737
	Total South Peninsula	25	1,284	1,708	4,573	3,147	10,737
	Alaska Peninsula Total	25	1,284	1,708	4,573	3,147	10,737
1991	Shumagin Islands	465	15,034	3,906	20,160	14,716	54,281
	South Unimak	0	377	0	0	306	683
	Total South Peninsula	465	15,411	3,906	20,160	15,022	54,964
	Alaska Peninsula Total	465	15,411	3,906	20,160	15,022	54,964
1992	Shumagin Islands	93	7,039	3,284	10,729	6,372	27,517
	Total South Peninsula	93	7,039	3,284	10,729	6,372	27,517
	Alaska Peninsula Total	93	7,039	3,284	10,729	6,372	27,517
1993	Shumagin Islands	330	6,470	4,892	2,984	1,850	16,526
	Total South Peninsula	330	6,470	4,892	2,984	1,850	16,526
	Alaska Peninsula Total	330	6,470	4,892	2,984	1,850	16,526
1994	Shumagin Islands	528	16,224	4,219	36,150	13,169	70,290
	Total South Peninsula	528	16,224	4,219	36,150	13,169	70,290
	Alaska Peninsula Total	528	16,224	4,219	36,150	13,169	70,290
1995	Shumagin Islands	290	13,410	3,660	9,072	10,005	36,437
	South Unimak	101	7,239	1	105	2,941	10,387
	Total South Peninsula	391	20,649	3,661	9,177	12,946	46,824
	Alaska Peninsula Total	391	20,649	3,661	9,177	12,946	46,824
1996	Shumagin Islands	375	9,049	15,183	15,261	14,372	54,240
	South Unimak	80	6,055	0	2,594	4,250	12,979
	Total South Peninsula	455	15,104	15,183	17,855	18,622	67,219
	Alaska Peninsula Total	455	15,104	15,183	17,855	18,622	67,219
1997	Shumagin Islands	429	11,226	3,594	8,158	10,407	33,814
	South Unimak	188	11,224	3	3,976	10,682	26,073
	Total South Peninsula	617	22,450	3,597	12,134	21,089	59,887
	Alaska Peninsula Total	617	22,450	3,597	12,134	21,089	59,887
1998	Shumagin Islands	28	4,581	24	2,093	3,257	9,983
	South Unimak	95	8,392	0	5,224	6,285	19,996
	Total South Peninsula	123	12,973	24	7,317	9,542	29,979
	Alaska Peninsula Total	123	12,973	24	7,317	9,542	29,979

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Year		Number of Adult Salmon					Total
		Chinook	Sockeye	Coho	Pink	Chum	
1999	Shumagin Islands	119	33,513	18	13,045	19,808	66,503
	South Unimak	140	10,039	0	61	3,256	13,496
	Total South Peninsula	259	43,552	18	13,106	23,064	79,999
	Alaska Peninsula Total	259	43,552	18	13,106	23,064	79,999
2000	Shumagin Islands	65	9,225	99	5,385	5,790	20,564
	South Unimak	276	12,686	0	7,936	5,547	26,445
	Total South Peninsula	341	21,911	99	13,321	11,337	47,009
	North Peninsula	0	1,482	1	2	4	1,489
	Alaska Peninsula Total	341	23,393	100	13,323	11,341	48,498
2001	Shumagin Islands	318	6,258	3,353	9,382	10,772	30,083
	South Unimak	0	0	0	0	0	0
	Total South Peninsula	318	6,258	3,353	9,382	10,772	30,083
	North Peninsula	13	4,363	2	10	62	4,450
	Alaska Peninsula Total	331	10,621	3,355	9,392	10,834	34,533
2002	Shumagin Islands	29	1,020	11	443	1,227	2,730
	South Unimak	0	0	0	0	0	0
	Total South Peninsula	29	1,020	11	443	1,227	2,730
	North Peninsula	0	6,021	14	41	169	6,245
	Alaska Peninsula Total	29	7,041	25	484	1,396	8,975
2003	Shumagin Islands	26	819	1,279	4,646	2,275	9,045
	South Unimak	0	0	0	0	0	0
	Total South Peninsula	26	819	1,279	4,646	2,275	9,045
	North Peninsula	1	5,785	10	99	178	6,073
	Alaska Peninsula Total	27	6,604	1,289	4,745	2,453	15,118
2004	Shumagin Islands	81	507	542	1,131	1,827	4,088
	South Unimak	0	5,845	0	14,485	2,724	23,054
	Total South Peninsula	81	6,352	542	15,616	4,551	27,142
	North Peninsula	0	3,874	35	108	87	4,104
	Alaska Peninsula Total	81	10,226	577	15,724	4,638	31,246
2005	Shumagin Islands	67	1,197	2,137	7,117	2,140	12,658
	South Unimak	0	0	0	0	0	0
	Total South Peninsula	67	1,197	2,137	7,117	2,140	12,658
	North Peninsula	0	2,291	2	11	36	2,340
	Alaska Peninsula Total	67	3,488	2,139	7,128	2,176	14,998

-continued-

Year		Number of Adult Salmon					Total
		Chinook	Sockeye	Coho	Pink	Chum	
2006	Shumagin Islands	21	1,211	440	2,254	7,855	11,781
	South Unimak	0	0	0	0	0	0
	Total South Peninsula	21	1,211	440	2,254	7,855	11,781
	North Peninsula	20	2,232	2	0	89	2,343
	Alaska Peninsula Total	41	3,443	442	2,254	7,944	14,124
2007	Shumagin Islands	12	11,389	781	7,036	1,300	20,518
	South Unimak	0	0	0	0	0	0
	Total South Peninsula	12	11,389	781	7,036	1,300	20,518
	North Peninsula	6	4,027	7	29	54	4,123
	Alaska Peninsula Total	18	15,416	788	7,065	1,354	24,641
2008	Shumagin Islands	12	9,934	1,891	13,933	11,719	37,489
	South Unimak	0	0	0	0	0	0
	Total South Peninsula	12	9,934	1,891	13,933	11,719	37,489
	North Peninsula	0	2,249	54	1	105	2,409
	Alaska Peninsula Total	12	12,183	1,945	13,934	11,824	39,898
2009	Shumagin Islands	28	1,587	389	21,101	3,825	26,930
	South Unimak	0	0	0	0	0	0
	Total South Peninsula	28	1,587	389	21,101	3,825	26,930
	North Peninsula	6	4,027	7	29	54	4,123
	Alaska Peninsula Total	34	5,614	396	21,130	3,879	31,053
2010	Shumagin Islands	13	6,418	179	4,180	1,608	12,398
	South Unimak	0	0	0	0	0	0
	Total South Peninsula	13	6,418	179	4,180	1,608	12,398
	North Peninsula	0	2,294	2	19	58	2,373
	Alaska Peninsula Total	13	8,712	181	4,199	1,666	14,771
2011	Shumagin Islands	7	1,151	49	11,980	1,315	14,502
	South Unimak	0	0	0	0	0	0
	Total South Peninsula	7	1,151	49	11,980	1,315	14,502
	North Peninsula	1	2,434	21	33	66	2,555
	Alaska Peninsula Total	8	3,585	70	12,013	1,381	17,057
2012	Shumagin Islands	4	2,668	16	947	1,192	4,827
	South Unimak	0	0	0	0	0	0
	Total South Peninsula	4	2,668	16	947	1,192	4,827
	North Peninsula	0	0	0	0	0	0
	Alaska Peninsula Total	4	2,668	16	947	1,192	4,827
2013	Shumagin Islands	4	2,366	1,002	7,043	1,632	12,047
	South Unimak	0	0	0	0	0	0
	Total South Peninsula	4	2,366	1,002	7,043	1,632	12,047
	North Peninsula	0	2,035	28	34	116	2,213
	Alaska Peninsula Total	4	4,401	1,030	7,077	1,748	14,260

APPENDIX C. ESCAPEMENT DATA

Appendix C1.—Alaska Peninsula Management area estimated total Chinook, sockeye, pink and chum salmon escapements by species and year, 1962–2013.

Year	Area	Chinook	Sockeye	Pink ^a	Chum
1962	South Peninsula	0	18,800	1,598,800	399,400
	<u>North Peninsula</u>	<u>4,400</u>	<u>351,200</u>	<u>4,000</u>	<u>150,900</u>
	Total	4,400	370,000	1,602,800	550,300
1963	South Peninsula	0	23,000	1,317,900	446,700
	<u>North Peninsula</u>	<u>6,200</u>	<u>351,000</u>	<u>4,400</u>	<u>203,200</u>
	Total	6,200	374,000	1,322,300	649,900
1964	South Peninsula	0	15,700	1,436,400	454,800
	<u>North Peninsula</u>	<u>25,900</u>	<u>419,900</u>	<u>15,100</u>	<u>156,100</u>
	Total	25,900	435,600	1,451,500	610,900
1965	South Peninsula	0	12,100	1,035,400	228,000
	<u>North Peninsula</u>	<u>22,100</u>	<u>238,400</u>	<u>900</u>	<u>49,300</u>
	Total	22,100	250,500	1,036,300	277,300
1966	South Peninsula	0	17,000	719,400	422,000
	<u>North Peninsula</u>	<u>8,200</u>	<u>283,300</u>	<u>2,000</u>	<u>149,000</u>
	Total	8,200	300,300	721,400	571,000
1967	South Peninsula	0	16,200	445,500	182,900
	<u>North Peninsula</u>	<u>12,200</u>	<u>299,700</u>	<u>700</u>	<u>122,600</u>
	Total	12,200	315,900	446,200	305,500
1968	South Peninsula	0	12,800	823,300	279,100
	<u>North Peninsula</u>	<u>15,800</u>	<u>251,300</u>	<u>26,500</u>	<u>250,800</u>
	Total	15,800	264,100	849,800	529,900
1969	South Peninsula	0	29,500	2,474,900	134,600
	<u>North Peninsula</u>	<u>19,500</u>	<u>575,000</u>	<u>4,400</u>	<u>146,800</u>
	Total	19,500	604,500	2,479,300	281,400
1970	South Peninsula	0	16,500	1,298,900	280,500
	<u>North Peninsula</u>	<u>8,300</u>	<u>451,500</u>	<u>11,100</u>	<u>169,800</u>
	Total	8,300	468,000	1,310,000	450,300
1971	South Peninsula	0	19,400	702,700	343,200
	<u>North Peninsula</u>	<u>5,200</u>	<u>435,100</u>	<u>8,600</u>	<u>109,400</u>
	Total	5,200	454,500	711,300	452,600
1972	South Peninsula	0	11,900	111,400	254,500
	<u>North Peninsula</u>	<u>5,000</u>	<u>190,200</u>	<u>1,300</u>	<u>124,000</u>
	Total	5,000	202,100	112,700	378,500
1973	South Peninsula	0	7,300	110,800	505,500
	<u>North Peninsula</u>	<u>4,300</u>	<u>180,200</u>	<u>200</u>	<u>122,400</u>
	Total	4,300	187,500	111,000	627,900

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Year	Area	Chinook	Sockeye	Pink ^a	Chum
1974	South Peninsula	0	95,600	284,400	257,300
	<u>North Peninsula</u>	<u>3,000</u>	<u>332,800</u>	<u>23,000</u>	<u>105,100</u>
	Total	3,000	428,400	307,400	362,400
1975	South Peninsula	0	51,700	552,100	193,300
	<u>North Peninsula</u>	<u>4,600</u>	<u>516,800</u>	<u>600</u>	<u>109,200</u>
	Total	4,600	568,500	552,700	302,500
1976	South Peninsula	0	69,700	1,456,400	327,200
	<u>North Peninsula</u>	<u>6,000</u>	<u>532,600</u>	<u>37,300</u>	<u>293,400</u>
	Total	6,000	602,300	1,493,700	620,600
1977	South Peninsula	0	64,900	2,677,800	774,900
	<u>North Peninsula</u>	<u>7,100</u>	<u>541,100</u>	<u>8,500</u>	<u>681,200</u>
	Total	7,100	606,000	2,686,300	1,456,100
1978	South Peninsula	0	64,800	2,858,700	600,500
	<u>North Peninsula</u>	<u>13,700</u>	<u>1,213,500</u>	<u>96,800</u>	<u>310,500</u>
	Total	13,700	1,278,300	2,955,500	911,000
1979	South Peninsula	0	53,300	2,629,500	411,100
	<u>North Peninsula</u>	<u>15,800</u>	<u>1,574,000</u>	<u>9,300</u>	<u>305,300</u>
	Total	15,800	1,627,300	2,638,800	716,400
1980	South Peninsula	0	45,900	2,641,600	362,400
	<u>North Peninsula</u>	<u>11,000</u>	<u>1,387,600</u>	<u>103,600</u>	<u>769,500</u>
	Total	11,000	1,433,500	2,745,200	1,131,900
1981	South Peninsula	0	45,700	2,307,500	381,300
	<u>North Peninsula</u>	<u>12,400</u>	<u>1,347,900</u>	<u>6,100</u>	<u>535,200</u>
	Total	12,400	1,393,600	2,313,600	916,500
1982	South Peninsula	0	39,200	2,293,000	386,900
	<u>North Peninsula</u>	<u>20,000</u>	<u>718,400</u>	<u>51,700</u>	<u>457,600</u>
	Total	20,000	757,600	2,344,700	844,500
1983	South Peninsula	0	59,200	851,200	446,500
	<u>North Peninsula</u>	<u>25,700</u>	<u>580,300</u>	<u>4,000</u>	<u>392,600</u>
	Total	25,700	639,500	855,200	839,100
1984	South Peninsula	0	54,800	3,811,600	699,700
	<u>North Peninsula</u>	<u>17,700</u>	<u>826,000</u>	<u>56,600</u>	<u>870,200</u>
	Total	17,700	880,800	3,868,200	1,569,900
1985	South Peninsula	0	49,900	1,614,100	503,400
	<u>North Peninsula</u>	<u>12,900</u>	<u>898,100</u>	<u>1,400</u>	<u>344,200</u>
	Total	12,900	948,000	1,615,500	847,600

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Year	Area	Chinook	Sockeye	Pink ^a	Chum
1986	South Peninsula	0	48,000	1,716,700	544,600
	<u>North Peninsula</u>	<u>8,700</u>	<u>580,300</u>	<u>13,300</u>	<u>243,600</u>
	Total	8,700	628,300	1,730,000	788,200
1987	South Peninsula	0	44,600	1,540,500	620,700
	<u>North Peninsula</u>	<u>10,700</u>	<u>556,000</u>	<u>100</u>	<u>510,900</u>
	Total	10,700	600,600	1,540,600	1,131,600
1988	South Peninsula	0	74,100	2,839,600	496,400
	<u>North Peninsula</u>	<u>11,700</u>	<u>614,900</u>	<u>43,500</u>	<u>500,300</u>
	Total	11,700	689,000	2,883,100	996,700
1989	South Peninsula	0	78,100	1,870,900	310,500
	<u>North Peninsula</u>	<u>5,600</u>	<u>814,400</u>	<u>1,900</u>	<u>212,300</u>
	Total	5,600	892,500	1,872,800	522,800
1990	South Peninsula	0	95,300	1,598,400	354,700
	<u>North Peninsula</u>	<u>7,100</u>	<u>1,032,200</u>	<u>132,200</u>	<u>226,400</u>
	Total	7,100	1,127,500	1,730,600	581,100
1991	South Peninsula	0	124,900	2,946,800	587,600
	<u>North Peninsula</u>	<u>9,600</u>	<u>1,317,300</u>	<u>6,300</u>	<u>303,300</u>
	Total	9,600	1,442,200	2,953,100	890,900
1992	South Peninsula	0	97,600	2,834,400	335,500
	<u>North Peninsula</u>	<u>6,600</u>	<u>861,300</u>	<u>207,600</u>	<u>351,700</u>
	Total	6,600	958,900	3,042,000	687,200
1993	South Peninsula	0	100,341	2,990,140	397,030
	<u>North Peninsula</u>	<u>13,745</u>	<u>1,003,848</u>	<u>72,830</u>	<u>402,380</u>
	Total	13,745	1,104,189	3,062,970	799,410
1994	South Peninsula	0	120,255	3,071,725	579,100
	<u>North Peninsula</u>	<u>38,400</u>	<u>1,211,400</u>	<u>133,200</u>	<u>480,200</u>
	Total	38,400	1,331,655	3,204,925	1,059,300
1995	South Peninsula	0	129,110	6,406,300	726,400
	<u>North Peninsula</u>	<u>24,400</u>	<u>1,077,030</u>	<u>8,200</u>	<u>756,000</u>
	Total	24,400	1,206,140	6,414,500	1,482,400
1996	South Peninsula	0	72,950	3,647,550	610,300
	<u>North Peninsula</u>	<u>25,670</u>	<u>967,890</u>	<u>382,600</u>	<u>823,130</u>
	Total	25,670	1,040,840	4,030,150	1,433,430
1997	South Peninsula	0	104,440	5,243,275	809,050
	<u>North Peninsula</u>	<u>19,250</u>	<u>820,243</u>	<u>24,750</u>	<u>388,185</u>
	Total	19,250	924,683	5,268,025	1,197,235

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Year	Area	Chinook	Sockeye	Pink ^a	Chum
1998	South Peninsula	0	85,440	4,668,065	742,235
	<u>North Peninsula</u>	<u>14,954</u>	<u>894,015</u>	<u>300,000</u>	<u>729,350</u>
	Total	14,954	979,455	4,968,065	1,471,585
1999	South Peninsula	0	96,800	5,015,310	725,180
	<u>North Peninsula</u>	<u>10,907</u>	<u>897,267</u>	<u>20,000</u>	<u>666,275</u>
	Total	10,907	994,067	5,035,310	1,391,455
2000	South Peninsula	0	69,530	2,792,985	522,075
	<u>North Peninsula</u>	<u>9,565</u>	<u>927,194</u>	<u>50,000</u>	<u>594,700</u>
	Total	9,565	996,724	2,842,985	1,116,775
2001	South Peninsula	0	161,630	2,965,136	751,221
	<u>North Peninsula</u>	<u>13,337</u>	<u>875,353</u>	<u>31,141</u>	<u>692,712</u>
	Total	13,337	1,036,983	2,996,277	1,443,933
2002	South Peninsula	0	192,749	3,762,800	602,750
	<u>North Peninsula</u>	<u>18,924</u>	<u>894,543</u>	<u>40,000</u>	<u>679,810</u>
	Total	18,924	1,087,292	3,802,800	1,282,560
2003	South Peninsula	0	198,192	5,511,220	476,540
	<u>North Peninsula</u>	<u>11,078</u>	<u>1,231,411</u>	<u>20,000</u>	<u>447,960</u>
	Total	11,078	1,429,603	5,531,220	924,500
2004	South Peninsula	0	220,861	8,311,410	732,400
	<u>North Peninsula</u>	<u>30,874</u>	<u>1,433,827</u>	<u>122,000</u>	<u>434,950</u>
	Total	30,874	1,654,688	8,433,410	1,167,350
2005	South Peninsula	0	124,000	6,165,634	970,313
	<u>North Peninsula</u>	<u>30,617</u>	<u>1,556,888</u>	<u>52,628</u>	<u>296,640</u>
	Total	30,617	1,680,888	6,218,262	1,266,953
2006	South Peninsula	0	87,783	3,102,445	786,485
	<u>North Peninsula</u>	<u>32,173</u>	<u>1,157,546</u>	<u>252,462</u>	<u>576,043</u>
	Total	32,173	1,245,329	3,354,907	1,362,528
2007	South Peninsula	0	69,013	2,680,213	726,661
	<u>North Peninsula</u>	<u>20,685</u>	<u>1,069,752</u>	<u>45,509</u>	<u>578,784</u>
	Total	20,685	1,138,765	2,725,722	1,305,445

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Year	Area	Chinook	Sockeye	Pink ^a	Chum
2008	South Peninsula	0	95,859	3,338,370	591,950
	<u>North Peninsula</u>	<u>36,072</u>	<u>1,012,320</u>	<u>49,400</u>	<u>470,287</u>
	Total	36,072	1,108,179	3,387,770	1,062,237
2009	South Peninsula	0	128,117	3,067,000	586,830
	<u>North Peninsula</u>	<u>12,807</u>	<u>934,400</u>	<u>91,441</u>	<u>232,591</u>
	Total	12,807	1,062,517	3,158,441	819,421
2010	South Peninsula	0	38,039	742,912	291,912
	<u>North Peninsula</u>	<u>9,387</u>	<u>875,100</u>	<u>32,412</u>	<u>289,410</u>
	Total	9,387	913,139	775,324	581,322
2011	South Peninsula	0	59,794	2,494,950	497,725
	<u>North Peninsula</u>	<u>15,254</u>	<u>795,105</u>	<u>16,778</u>	<u>248,352</u>
	Total	15,254	854,899	2,511,728	746,077
2012	South Peninsula	0	55,900	478,910	205,242
	<u>North Peninsula</u>	<u>3,542</u>	<u>747,090</u>	<u>28,968</u>	<u>280,418</u>
	Total	3,542	802,990	507,878	485,660
2013	South Peninsula	0	37,386	2,320,790	502,600
	<u>North Peninsula</u>	<u>4,346</u>	<u>1,010,400</u>	<u>8,183</u>	<u>230,051</u>
	Total	4,346	1,047,786	2,328,973	732,651
2003–2012 Average	South Peninsula	0	107,756	3,589,306	586,606
	<u>North Peninsula</u>	<u>20,249</u>	<u>1,081,344</u>	<u>71,160</u>	<u>385,544</u>
	Total	20,249	1,189,100	3,660,466	972,149

Note: Coho salmon escapement estimates are not available due to incomplete data.

^a North Peninsula pink salmon escapement estimates are based on incomplete data.

**APPENDIX D. METHOD FOR CALCULATING INDEXED
TOTAL ESCAPEMENT**

Appendix D1.–Method for calculating indexed total escapement.

Aerial surveys have inherently high variability and are influenced by many factors including survey conditions, timing of peak surveys and variability between surveyors. With the high variability of peak survey date, between three to five surveys are conducted per stream, per year. For pink and chum salmon, an approximate 21-day stream life is used to calculate total pink and chum escapements. For sockeye and coho salmon, with their longer stream life, the indexed total escapement is usually the peak escapement count. Due to the high variability, the methods of calculating estimated indexed total escapements without the use of a weir or tower are as follows:

Chinook, Sockeye, and Coho Salmon: These species tend to have a much longer stream life than pink and chum salmon. Therefore, the indexed total escapement is usually the peak escapement count and carcasses. However, it is recognized that there are problems in large systems such as Ilnik and Caribou-David’s rivers. The basic problem on large systems is the length of time, expense, and fuel needed to do a thorough survey yet meet more pressing obligations.

The Caribou and David’s River complex (including Coastal and other nearby lakes) is so massive a system for the size of its runs that complete surveys are not done.

At Thin Point Lagoon and Lake, estimates of sockeye salmon in the lagoon are added together based on estimated time in lagoon and observations of when sockeye salmon start to move from the lagoon to the lake.

In Morzhovoi (Middle Lagoon), Bluebill, Outer Marker, and Mortensen’s Lagoon systems the escapement is calculated by adding estimates of spawning sockeye salmon approximately two weeks apart.

Pink and Chum Salmon: Again, due to the high variability of survey conditions, between three and five surveys are conducted per stream per year. From those surveys, the peak number of fish in the stream is added to the total count. If there are any stream counts 21 days prior to the peak count, the number of fish in the stream and the carcasses are added to the total count. Likewise, if there are any counts 21 days after the peak count, those live fish found at both the mouth and in the stream are added to the total count.

EXAMPLE

Fictional Stream 281-##						
Survey Date	Pinks at Mouth	Pinks in Stream	Pink Carcasses	Chums at Mouth	Chums in Stream	Chum Carcasses
10-Jul	5,000	1,000	5,000	0	0	0
17-Jul	15,000	25,000	5,000	0	0	0
1-Aug	10,000	150,000	10,000	0	0	0
15-Aug	3,000	100,000	25,000	500	1,000	0
1-Sep	12,000	50,000	55,000	2,000	5,000	500
Sub total	12,000	201,000	5,000	2,000	5,000	500
Total		218,000 Pink			7,500 Chum	

The indexed total escapement is calculated by adding the figures in **bold**.

The estimate of 21 days stream life was used because significant numbers of carcasses begin to appear about three weeks after adult pinks and chums first appear in Alaska Peninsula streams. It is recognized that stream life can vary, however this method is easily duplicated and is comparable from year to year. Variation in stream life is likely a much smaller factor than variation between observers.

With the exception of several small streams, there are no problems with streams being obscured by brush or trees in the Alaska Peninsula and Aleutian Islands Areas. With some exceptions, visibility of spawning grounds is outstanding during periods of normal water flow and clear weather.

APPENDIX E. FIELD PERSONNEL

Appendix E1.–Field Personnel, 2013.

Employee	Title	Duties and Location
Bob Murphy	FBIII	Moffet Point to Cape Menshikof Area Salmon Management Biologist, North Peninsula Herring Management Biologist
Aaron Poetter	FBIII	Southeastern District-Alaska Peninsula Area Salmon Management Biologist and South Peninsula/Aleutian Islands Areas Herring Management Biologist, Sand Point
Dawn Wilburn	FBII	Moffet Point to Cape Menshikof Assistant Area Salmon and Herring Management Biologist, Port Moller
Vacant	FBII	Alaska Peninsula Area Assistant Salmon Management Biologist, Cold Bay
Nathaniel Nichols	FBII	Southeastern District-Alaska Peninsula Area Assistant Salmon Management Biologist and South Peninsula/Aleutian Islands Areas Assistant Herring Management Biologist, Sand Point
Adam St. Saviour	FB II	Salmon Research Biologist
Paul Horn	Pilot II	Pilot and Aircraft Mechanic, Chignik
Steve Hakala	Pilot I	Pilot, Sand Point
Reid Johnson	FB I	Port Moller
Corey Litwiniak	FB I	Sandy River Weir
Alexandra Bateman	FWT III	Nelson River Weir
Travis LaPointe	FWT III	Ilnik River Weir
Kaarle Strailey	FWT III	Orzinski Weir
Mike Mannelin	FWT III	Bear River Weir
Carrie Steves	FWT III	Sand Point Fish Ticket Clerk
Kirsten Woodard	FWT II	Orzinski Lake Weir
Michelle Stratton	FWT II	Nelson River Weir
Jeanne Boyle	FWT II	Port Moller Catch Sampler
Kyle Tidwell	FWT II	Ilnik River Weir
William Jasper	FWT II	Sandy River Weir
Erin Cleary	FWT II	Bear River Weir