

## **Fishery Management Report No. 15-35**

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# **South Alaska Peninsula Salmon Annual Management Report, 2014**

by

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and

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September 2015

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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	all standard mathematical signs, symbols and abbreviations		
deciliter	dL	all commonly accepted abbreviations	e.g., Mr., Mrs., AM, PM, etc.	alternate hypothesis	H <sub>A</sub>	
gram	g	all commonly accepted professional titles	e.g., Dr., Ph.D., R.N., etc.	base of natural logarithm	e	
hectare	ha			catch per unit effort	CPUE	
kilogram	kg	at	@	coefficient of variation	CV	
kilometer	km			common test statistics	(F, t, $\chi^2$ , etc.)	
liter	L	compass directions:		confidence interval	CI	
meter	m	east	E	correlation coefficient (multiple)	R	
milliliter	mL	north	N	correlation coefficient (simple)	r	
millimeter	mm	south	S	covariance	cov	
Weights and measures (English)		west	W	degree (angular )	°	
	cubic feet per second	ft³/s	copyright	degrees of freedom	df	
	foot	ft	corporate suffixes:	expected value	E	
	gallon	gal	Company	greater than	>	
	inch	in	Corporation	greater than or equal to	≥	
	mile	mi	Incorporated	harvest per unit effort	HPUE	
	nautical mile	nmi	Limited	less than	<	
	ounce	oz	District of Columbia	less than or equal to	≤	
	pound	lb	et alii (and others)	logarithm (natural)	ln	
	quart	qt	et cetera (and so forth)	logarithm (base 10)	log	
yard	yd	exempli gratia		logarithm (specify base)	log <sub>2</sub> , etc.	
Time and temperature		(for example)	e.g.	minute (angular)	'	
	day	d	Federal Information Code	not significant	NS	
	degrees Celsius	°C	id est (that is)	null hypothesis	H <sub>0</sub>	
	degrees Fahrenheit	°F	latitude or longitude	percent	%	
	degrees kelvin	K	monetary symbols	probability	P	
	hour	h	(U.S.)	probability of a type I error		
	minute	min	months (tables and figures): first three letters	(rejection of the null hypothesis when true)	α	
	second	s	registered trademark	probability of a type II error		
	Physics and chemistry		trademark	Jan,...,Dec	(acceptance of the null hypothesis when false)	β
		all atomic symbols		®	second (angular)	"
alternating current		AC	™	standard deviation	SD	
ampere		A	United States	standard error	SE	
calorie		cal	(adjective)	variance		
direct current		DC	United States of America (noun)	population	Var	
hertz		Hz	U.S.C.	sample	var	
horsepower		hp				
hydrogen ion activity (negative log of)		pH				
parts per million		ppm	U.S. state	use two-letter abbreviations (e.g., AK, WA)		
parts per thousand	ppt, ‰					
volts	V					
watts	W					

***FISHERY MANAGEMENT REPORT NO. 15-35***

**SOUTH ALASKA PENINSULA SALMON ANNUAL MANAGEMENT  
REPORT, 2014**

by

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September 2015

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*This document should be cited as:*

*Keyse, M. D. and E. K. C. Fox. 2015. South Alaska Peninsula salmon annual management report, 2014. Alaska Department of Fish and Game, Fishery Management Report No. 15-35, Anchorage.*

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## ABSTRACT

This report summarizes the 2014 season and historical information regarding commercial salmon fisheries of the South Alaska Peninsula Management Area (Area M).

The total commercial salmon harvest in the South Alaska Peninsula was 7,280 Chinook salmon *Oncorhynchus tshawytscha*, 1,426,380 sockeye salmon *O. nerka*, 296,819 coho salmon *O. kisutch*, 721,209 pink salmon *O. gorbuscha*, and 501,927 chum salmon *O. keta*. Harvest of Chinook and coho salmon were above recent 10-year averages (2004–2013). Harvest of sockeye, pink, and chum salmon were below recent 10-year averages (2004–2013). The number of permit holders participating in the fishery was 241. The June commercial salmon harvest included 659,213 sockeye and 390,139 chum salmon. Harvest in the South Unimak fishery was 419,731 sockeye and 239,482 chum salmon, while the Shumagin Islands accounted for 220,436 sockeye and 169,703 chum salmon. No commercial salmon fishery occurred in the Southeastern District Mainland (SEDM) during the allocation period, June 1 through July 25, due to poor escapement of sockeye salmon through the Chignik weir. The total commercial harvest in the SEDM in 2014 was 4 Chinook, 29,655 sockeye, 18,925 coho, 9 pink, and 388 chum salmon. No commercial salmon fishery occurred in the Northwest Stepovak Section from July 1 through July 25 in 2014. The South Alaska Peninsula (minus the SEDM fishery July 1–July 25) Post-June salmon harvest from July 1 through October 31 included 4,990 Chinook, 767,167 sockeye, 294,341 coho, 540,949 pink, and 111,788 chum salmon.

In 2014, the sockeye salmon sustainable escapement goal (SEG) for Orzinski Lake (16,100) was met. Total escapement of pink (1,340,380) salmon did not meet the South Alaska Peninsula SEG range of 1,864,600–3,729,300 fish. The chum salmon escapement in the South Central District lower bound SEG of 89,800 was met. Limited coho salmon surveys were conducted due to their late season run timing.

**Key words:** South Alaska Peninsula, commercial salmon fishery, South Unimak, Shumagin Islands, salmon harvest, salmon escapement, Alaska Board of Fisheries, board, salmon, *Oncorhynchus*, management plan, Chinook salmon *O. tshawytscha*, sockeye salmon *O. nerka*, coho salmon *O. kisutch*, pink salmon *O. gorbuscha*, chum salmon *O. keta*, AMR.

## INTRODUCTION

The Alaska Peninsula Salmon Management Area is that portion of Area M including waters of the North Alaska Peninsula from Cape Menshikof west to Cape Sarichef and waters of the South Alaska Peninsula from Kupreanof Point west to Scotch Cap on Unimak Island (Appendix A1). This report describes commercial salmon fisheries located in South Alaska Peninsula waters, further divided into 4 districts: (1) Southeastern District, consisting of waters between Kupreanof Point and McGinty Point; (2) South Central District, consisting of waters between McGinty Point and Arch Point Light; (3) Southwestern District, consisting of waters between Arch Point Light, False Pass, and Cape Pankof Light; and (4) Unimak District, consisting of waters between Cape Pankof Light and Scotch Cap, including Sanak Island (Appendices A2–A6). The Southeastern District is further subdivided into 2 areas with different management plans during parts of the season: (1) the Shumagin Islands Section, consisting of the Shumagin Islands archipelago and (2) the Southeastern District Mainland (SEDM), consisting of Stepovak, Balboa, and Beaver bays (Appendix A3). Data within this report supersede any data published in previous reports by the Alaska Department of Fish and Game (ADF&G).

Legal gear types in South Alaska Peninsula waters include purse seine, drift gillnet, and set gillnet (Appendix A7). In 2014, 49 of 119 purse seine permits reported landings in South Alaska Peninsula waters, 127 of 162 drift gillnet permits, and 65 of 113 set gillnet permits (Appendix A8). Most of the purse seine and set gillnet permit holders fished South Alaska Peninsula waters throughout the season, while most of the drift gillnet permit holders fished South Unimak waters during June and North Alaska Peninsula waters from July into September.

## **SOUTH ALASKA PENINSULA AREAWIDE INFORMATION**

Five species of Pacific salmon are commercially harvested in the Alaska Peninsula Salmon Management Area: Chinook salmon *Oncorhynchus tshawytscha*, sockeye salmon *O. nerka*, coho salmon *O. kisutch*, pink salmon *O. gorbuscha*, and chum salmon *O. keta*. While commercial salmon fisheries in South Peninsula waters date back to at least 1888, when canneries were operated at Orzinski Bay and Thin Point Cove, catch records are only available since 1908 (Appendix A9). Fish ticket information starting in 1970 is stored in the ADF&G database.

### **HISTORICAL SALMON PRODUCTION, 1908–2014**

Historically, South Alaska Peninsula salmon production has fluctuated dramatically. Since 1971, annual pink salmon catch and escapements (excluding June harvest, which are not considered local stocks for management purposes) ranged from 149,421 fish in 1973 to 22,530,258 fish in 1995 (Appendix A10). Since 1971, annual chum salmon catch and escapements (excluding June harvests) ranged from 223,228 fish in 1975 to 2,175,845 fish in 1994 (Appendix A11).

From 1947 to 1977, South Alaska Peninsula annual harvest (including June harvest) averaged 2,896,285 salmon and was composed of 2,567 Chinook, 591,844 sockeye, 26,747 coho, 1,523,900 pink, and 751,226 chum salmon (Appendix A9). From 1978 to 1999, South Alaska Peninsula annual harvest averaged 10,667,265 salmon and was composed of 9,141 Chinook, 2,258,878 sockeye, 257,404 coho, 6,813,207 pink, and 1,328,636 chum salmon (Appendix A9). From 2004 to 2013, South Alaska Peninsula annual harvest averaged 9,374,996 salmon and was composed of 6,192 Chinook, 2,023,527 sockeye, 187,786 coho, 6,236,343 pink, and 921,147 chum salmon. Pink and sockeye salmon are currently the most abundant salmon species harvested in the South Alaska Peninsula (Appendix A9).

### **COMMERCIAL SALMON HARVESTS FOR THE 2014 SEASON**

The first South Alaska Peninsula commercial salmon landing in 2014 occurred on June 7 and the last landing occurred on September 18 (Appendix A12). Commercial harvest (including harvest from the test fishery) of 2,962,104 salmon was composed of 7,354 Chinook, 1,429,515 sockeye, 297,816 coho, 722,220 pink, and 505,199 chum salmon (Appendix A12). The Southeastern District had the largest commercial salmon harvest in the South Alaska Peninsula, with a harvest of 1,332,640 fish (45.2%). South Central, Unimak, and Southwestern districts had harvests of 226,981 (7.7%), 605,450 (20.6%), and 774,793 (26.3%) fish respectively (Appendix A13). By gear type, seine permit holders accounted for 60.2% of the harvest, while drift gillnet permit holders accounted for 18.3% and set gillnet permit holders accounted for 21.4% of the harvest (Appendix A14). Specific management actions for the South Alaska Peninsula Management Area, as directed by emergency order (EO), are summarized in Appendix A15.

## **SOUTH UNIMAK AND SHUMAGIN ISLANDS JUNE FISHERIES**

### **HISTORICAL PERSPECTIVE**

The first documented commercial harvests from the South Unimak and Shumagin Islands June fisheries occurred in 1911. During the early to mid-1960s, the South Unimak and Shumagin

Islands fisheries were open to commercial salmon fishing 5 days per week. From 1967 through 1970, fishing occurred 7 days per week. Special regulatory meetings were held annually and resulted in different regulations every year from 1971 through 1974.

In 1975, the Alaska Board of Fisheries (BOF) implemented an allocation plan in which the South Unimak and Shumagin Islands June fisheries were granted an annual guideline harvest level (GHL) relative to the projected Bristol Bay inshore sockeye salmon harvest. Based on historical catch data, 6.8% of the forecasted inshore Bristol Bay harvest was allocated to the South Unimak June fishery and 1.5% was allocated to the Shumagin Islands June fishery. Portions of the GHL were assigned to discrete time periods so the harvest would be spread throughout June. Concerns over large harvests of chum salmon in the early 1980s and a weak Yukon River fall chum salmon run resulted in a chum salmon cap that, if reached, would result in closure of the fishery for the remainder of June. Between 1986 and 2000, the chum salmon cap was as high as 700,000 fish (1992–1997) and as low as 350,000 fish (1998–2000).

In January 2001, the BOF modified the South Unimak and Shumagin Islands June salmon fishery management plan. These modifications were in effect through the 2003 season and included eliminating the sockeye salmon GHL and the chum salmon cap. From June 10 through June 24, fishing time for any gear group was limited to 16 hours per day. Gear type constraints were also imposed on the number of consecutive fishing days allowed within a 7-day period. After June 24, in either the South Unimak or Shumagin Islands fisheries, if the sockeye-to-chum salmon ratio for all gear types was 2:1 or less on any day, the next fishing period was 6 hours in duration for all gear groups in that fishery. If the sockeye-to-chum salmon ratio was 2:1 or less for 2 consecutive fishing periods in either fishery, the season was closed for the remainder of June for all gear types. If the sockeye-to-chum salmon ratio was greater than 2:1, a 6-hour fishing period could be extended to a maximum of 16 hours.

In February 2004, the BOF modified the *South Unimak and Shumagin Islands June Fisheries Management Plan* (5 AAC 09.365) by establishing a fishing schedule that began at 6:00 AM on June 7 and ended at 10:00 PM on June 29. Fishing periods were 88 hours in duration interspersed by 32-hour closures, except for the final fishing period of 64 hours. This schedule provided 416 hours of concurrent opportunity for all gear types. In addition, the South Unimak fishery was expanded to include the entire Southwestern District and the West and East Pavlof Bay sections of the South Central District (Appendix B1).

## **2014 MANAGEMENT PLAN**

In 2013, the BOF discussed proposed changes to the June Management Plan. The BOF modified the June schedule for seine and drift gillnet gear by delaying the start date to June 10, which reduced fishing time by 64 hours. The June fishing schedule for set gillnet gear was unchanged.

During the meeting, discussions focused on chum salmon harvest and Chinook salmon harvest in June. A number of proposals and amendments were put before the BOF that included, but were not limited to, completely closing down the June fishery, reinstatement of the chum salmon cap, and ratio-based management.

## **2014 JUNE SEASON SUMMARY**

The South Unimak and Shumagin Islands June fishing schedule began at 6:00 AM on June 7 for set gillnet gear and at 6:00 AM on June 10 for seine and drift gillnet gear. A total of 229 permit

holders harvested 659,213 sockeye and 390,139 chum salmon during the 2014 June fisheries (Appendices B2 and B3).

During the 2014 South Unimak June fishery, 168 permit holders harvested 419,731 sockeye and 220,436 chum salmon (Appendices B4 and B5). In the South Unimak June fishery, 22 purse seine permit holders harvested 86,550 sockeye and 113,157 chum salmon (Appendix B6); 124 drift gillnet permit holders harvested 251,114 sockeye and 99,003 chum salmon (Appendix B7); and 22 set gillnet permit holders harvested 82,067 sockeye and 8,276 chum salmon (Appendix B8).

During the 2014 Shumagin Islands June fishery, 79 permit holders harvested 239,482 sockeye and 169,703 chum salmon (Appendices B9 and B10). Landings of 39 purse seine permit holders accounted for 133,462 sockeye and 147,710 chum salmon (Appendix B11), and 40 set gillnet permit holders harvested 106,020 sockeye and 21,993 chum salmon (Appendix B12).

Purse seine permit holders harvested 20.6% of sockeye and 51.3% of chum salmon in the South Unimak June fishery and 55.7% of sockeye and 87.0% of chum salmon in the Shumagin Islands fishery (Appendices B13–B16). Drift gillnet permit holders harvested 59.8% of sockeye and 44.9% of chum salmon in the South Unimak fishery (Appendices B13 and B14). Set gillnet permit holders harvested 19.6% of sockeye and 3.8% of chum salmon in the South Unimak fishery and 44.3% of sockeye and 13.0% of chum salmon in the Shumagin Islands June fishery (Appendices B13–B16).

## **SOUTHEASTERN DISTRICT MAINLAND FISHERIES**

The SEDM salmon fishery occurs in South Alaska Peninsula mainland waters from Kupreanof Point in the east to McGinty Point in the west (Appendix C1). The SEDM is subdivided into East Stepovak, Stepovak Flats, Northwest Stepovak, Southwest Stepovak, Balboa Bay, and Beaver Bay sections (Appendix C2).

The *Southeastern District Management Plan* (5 AAC 09.360) was formally adopted in 1980. Although it closely followed similar guidelines as previous seasons, it established that 80% of sockeye salmon harvested are considered destined for Chignik River. In 1985, June 1 through July 25 sockeye salmon harvest allocation criteria were added to the management plan. Harvest allocation has fluctuated between 6.0% and 7.6% of the total Chignik harvest since it was introduced. Currently, SEDM is managed on a 7.6% allocation of sockeye salmon harvested in the Chignik Management Area (CMA) through July 25.

Since 1985, when allocation criteria was put in place, SEDM harvest has ranged from 0.9% in 1989 to 11.5% in 2005 of sockeye salmon harvested in the CMA (Appendix C3 and C4). In 1997, 2007, 2008, and 2014 there was no fishery due to a weak sockeye salmon return to Chignik River. The recent 10-year (2004–2013) SEDM sockeye salmon harvest averaged 88,061 fish, or 6.0% of sockeye salmon harvested in the CMA (Appendices C4 and C5).

The current plan provides that 80% of sockeye salmon harvested in SEDM before July 1 are considered Chignik-bound. Beginning July 1, sockeye salmon harvested in Northwest Stepovak Section (NWSS) are considered 100% local fish and NWSS is managed on the Orzinski Lake sockeye salmon run. After July 25, commercial fishery openings are based on the strength of local pink, chum, and coho salmon stocks.

## **HISTORICAL EFFORT**

In 1972, the State of Alaska adopted limited entry management. With limited entry, a fixed number of permits were created and only people with these new permits were allowed to fish. However, because many South Alaska Peninsula fishermen participated in both set gillnet and purse seine fisheries prior to limited entry, they received a permit card for each gear type. Many of the dual permit holders sold or transferred their set gillnet permits and retained their purse seine permits. Sold or transferred permits increased effort in the SEDM fishery (Appendix C7) because many set gillnet permits that were previously used part-time were then fished full-time. This increase was reflected in both the number of set gillnet permits fished and the number of landings. The number of set gillnet permits fished increased from a low of 7 permits in 1975 to a high of 64 permits in 1993, 1996, and 2000 (Appendix C6). The numbers of set gillnet landings from SEDM increased from a low of 14 in 1975 to a high of 1,657 in 1984 (Appendix C6). Between 2004 and 2013, the number of set gillnet permits fished in the SEDM averaged 37, with an average of 734 total landings (Appendix C6).

The number of purse seine permits fished has fluctuated since 1985, from 6 in 1987 and 1992 to 69 in 1990. In the most recent 10 years (2004–2013), the number of permits has averaged 13 (Appendix C7). Purse seine landings in SEDM have fluctuated between 9 and 131 since 1985 but have averaged 25 landings over the most recent 10 years (2004–2013; Appendix C7).

## **LOCAL STOCK FISHERIES**

### **Northwest Stepovak Section**

Prior to July 1, 80% of sockeye salmon harvested in NWSS are attributed to the Chignik-bound sockeye salmon allocation (5 AAC 09.360 (f)). After July 1, sockeye salmon caught within the NWSS are considered Orzinski Lake bound. Orzinski Lake sockeye salmon escapements are assessed using a weir, with an escapement goal developed from historical aerial surveys and weir counts (Appendix E7 and E8). The sockeye salmon escapement goal for Orzinski Lake is 15,000–20,000 fish (Sagalkin and Erickson 2013).

### **Stepovak Flats Section**

Prior to July 26, Stepovak Flats may be open to commercial salmon fishing concurrently with the rest of the SEDM. Eighty percent of sockeye salmon harvested in the Stepovak Flats Section are considered Chignik-bound and assigned to the 7.6% allocation criteria stated in the SEDM salmon management plan. From July 26 to July 28, commercial salmon fishing is managed based on run strength of pink and chum salmon returning to Stepovak Flats streams. The entire section is closed from July 29 through September 30 to protect schooling chum salmon.

## **2014 MANAGEMENT PLAN**

The following apply under the current SEDM management plan (5 AAC 09.360):

1. The percentage of Chignik-bound sockeye salmon allocated to the SEDM fishery is 7.6% of the total number of sockeye salmon harvested in the CMA through July 25.
2. Prior to July 1, 80% of sockeye salmon caught in the SEDM are considered to be Chignik-bound salmon.

3. Beginning July 1, sockeye salmon caught in NWSS (Appendix C2) are considered 100% local fish and not counted toward the Chignik allocation. Fishing time in NWSS, excluding Orzinski Bay, beginning July 1, could not be more than four 24-hour periods with no more than 48 hours continuous fishing during a 7-day period. Fishing time in Orzinski Bay, after June 30, is based on sockeye salmon escapement into Orzinski Lake.
4. If Orzinski Lake escapement met or exceeded 25,000 sockeye salmon, NWSS and Orzinski Bay could be opened concurrently as follows:
  - (A) set gillnet gear could be operated continuously until midnight July 25, and;
  - (B) purse seine and hand purse seine gear would be operated as specified in 5 AAC 09.360(e)(2)(B).
5. A limited portion of Orzinski Bay could open to purse seine gear prior to July 11 if ADF&G determined the interim escapement objectives had been exceeded.
6. The Stepovak Flats Section is managed for chum salmon returning to Stepovak Flats streams for the entire season. However, 80% of the sockeye salmon caught in this section through July 25 were considered Chignik-bound fish.
7. The area encompassing Kupreanof Point is closed to commercial salmon fishing from July 6 through August 31. ADF&G could extend the Kupreanof Point closed waters area through the end of the season by EO.
8. From July 26 through October 31, the fisheries are managed for local sockeye, pink, chum, and coho salmon stocks.
9. From July 26 through October 31, the fisheries are closed for at least one 36-hour period within a 7-day period.
10. Terminal harvest areas within the SEDM are managed from July 22 through July 31 as specified under the *South Alaska Peninsula Post-June Management Plan* 5 AAC 09.366(g).

## 2014 SEASON SUMMARY

The 2014 forecast for the total run estimate of Chignik-bound sockeye salmon was 788,000 fish for early run (Black Lake) and 909,000 fish for late run (Chignik Lake) (Munro and Tide 2014).

Though harvestable surplus beyond escapement goals for the first and second runs were expected to be more than 600,000 sockeye salmon, the first run failed to develop and the harvest in the CMA did not reach 600,000 sockeye salmon during the allocation period. As a result, commercial salmon fishing was not allowed from June 1 through July 25 in the SEDM. Due to low escapement of sockeye salmon to Orzinski Lake, commercial salmon fishing was not permitted in the NWSS during the July 1 through July 25 time frame.

Between July 26 and August 31, SEDM is managed on abundance of local pink, chum, and coho salmon. Due to late escapement of both pink and chum salmon, there was no harvest in the SEDM during this time frame. From September 1 through October 31, the SEDM may be opened based on the abundance of local coho salmon. A total of 4 Chinook, 29,655 sockeye, 18,925 coho, 9 pink, and 388 chum salmon were harvested in the SEDM from September 1 through September 8 (Appendix C9).

## **SOUTH ALASKA PENINSULA POST-JUNE FISHERIES**

The South Alaska Peninsula Post-June salmon fishery takes place in Southeastern (excluding SEDM prior to July 26), South Central, Southwestern, and Unimak districts from July 1 through the end of the season (Appendix A2; 5 AAC 09.366).

The Post-June Salmon Management Plan (5 AAC 09.366) was formally adopted in 1991. Before 1991, the Post-June fishery was divided into 3 time frames: July 6 to approximately July 18, July 18 to approximately August 20, and from September 1 until the end of the season. These dates were based on run strengths of local chum, pink, and coho salmon respectively.

In 1991, after the management plan was put into place by the BOF, commercial fishing was restricted to terminal areas from July 6 to July 19. These terminal areas included Zachary Bay, the northern portion of Pavlof Bay and Cold Bay, Thin Point, Canoe Bay, and Morzhovoi Bay sections (Appendices D1 and D2). From July 20 until the close of the season, the entire South Peninsula could be opened to commercial salmon fishing by EO based on local run strength (except in the SEDM through July 25).

Since then the BOF has made changes to the management plan. The opening date that allows fishing in non-terminal areas was moved from July 20 to July 6. Also, time periods for Post-June Fisheries were changed to July 6 through July 21 and July 22 through July 31, each with distinct fishing periods, specific closures in non-terminal areas, and additional terminal areas in the latter period. In 2010, the BOF extended the fishing season through October 31.

### **IMMATURE SALMON CONCERNS**

The 1991, the BOF decision to allow commercial salmon fishing in limited areas within South Peninsula waters was made partially due to concerns for immature Chinook, sockeye, and chum salmon that were inadvertently gilled during purse seine gear fishing operations (McCullough and Shaul 1992). The presence of immature salmon in South Peninsula waters, which ADF&G first became aware of in 1962, has warranted restrictions to commercial fishing in some years. These restrictions were applied to all gear types in affected areas from late June into July in 1963, 1968, 1969, 1974, 1979 and for purse seine fishing only during the 1989 to 1992, 1999, 2001, 2003, and 2008 seasons (McCullough and Shaul 1992; Poetter 2009).

A high incidence of immature salmon has been prevalent in the Shumagin Islands Section, where concern for catching immature salmon is restricted to purse seine gear. Under current regulations, seine mesh size may not exceed 3½ inches except for the first 25 meshes above the lead line, which may not exceed 7 inches (5 AAC 09.332(a)). Set gillnet gear has larger mesh size (minimum of 5¼ inches; 5 AAC 09.331(b)(3)), which allows immature salmon to pass through the gear. Immature salmon usually migrate out of the area by July 23, although in 1992 closures were necessary until July 29.

In 1990, the ADF&G test fishing program was instituted in the Shumagin Islands to determine presence and abundance of immature salmon in South Peninsula waters prior to July commercial fishing periods. In the Shumagin Islands Section, most purse seine fishing effort has occurred in the nearshore waters of Popof Island from Popof Head to Red Bluff, thus test fishing sites were established in those areas (Appendix D3).

In 2001, the BOF adopted a regulation that defined immature salmon and required the department to conduct an immature salmon test fishery in July (5 AAC 09.366(i)).

## **2010–2014 MANAGEMENT PLAN**

The *Post-June Salmon Management Plan* (5 AAC 09.366) had 3 major components:

1. From July 6 through 21: six 24-hour fishing periods, each followed by a closure of at least 48 hours, could be permitted in non-terminal locations outside of the SEDM (Appendix D2). Additional fishing time could be allowed in terminal fishing areas based on local salmon run strength. During July 6 through 21, terminal areas included the northern portion of Pavlof Bay (north of the latitude of Black Point; Appendix A4), the southern portion of Zachary Bay (statistical area 282-35), and the Canoe Bay, Cold Bay, Morzhovoi Bay, and Thin Point sections.
2. From July 22 through 31, fishing time was limited in non-terminal areas, outside of the SEDM (prior to July 26), to 3 periods not to exceed 36 hours in duration and interspersed by closures of at least 48 hours. In addition to those terminal areas identified for the July 6 through July 21 time frame, the Deer Island, Belkofski Bay, and Mino Creek-Little Coal Bay sections were added (Appendix D2). Fishing in non-terminal areas could not begin before noon on July 23.
3. From August 1 through August 31, fishing periods were based on abundance of local sockeye, coho, pink, and chum salmon stocks. From September 1 through October 31, fishing periods were based on abundance of coho salmon stocks, although ADF&G could consider abundance of late pink and chum salmon stocks.

### **2014 SEASON SUMMARY**

The test fishery was conducted on 3 days: July 2, July 3, and July 5. Test fishery results for all dates showed numbers of immature salmon below the regulatory threshold (100 per set; Appendix D4). Because numbers of immature salmon were below the regulatory threshold, purse seines and set gillnets were able to participate in the 21-hour July 6 commercial salmon fishing period.

In 2014, 156 permit holders fished in the South Peninsula Post-June Fishery. The July 6–July 21 commercial salmon harvest from South Peninsula non-terminal areas was composed of 4,276 Chinook, 524,424 sockeye, 166,904 coho, 98,434 pink, and 65,134 chum salmon (Appendix D5). Terminal area harvests during this time frame totaled 2 Chinook, 15,872 sockeye, 377 coho, 5,779 pink, and 8,576 chum salmon (Appendix D5). The July 22–July 31 commercial salmon harvest from South Peninsula non-terminal areas (including SEDM after July 25) was 706 Chinook, 168,250 sockeye, 100,033 coho, 293,701 pink, and 34,630 chum salmon (Appendix D6). Terminal area harvests during this time frame totaled 1 Chinook, 26,570 sockeye, 865 coho, 88,612 pink, and 2,186 chum salmon (Appendix D6).

Beginning August 1, commercial salmon fishing opportunity is provided at the discretion of ADF&G based on escapement, run timing, and commercial harvest. Poor early escapements of pink and chum salmon into the South Central District reduced fishing opportunity in August, and commercial salmon fishing was not allowed in any district of the South Peninsula except the Deer Island Section. The commercial salmon harvest during August consisted of 0 Chinook, 51 sockeye, 92 coho, 54,404 pink, and 837 chum salmon (Appendix D7).

In September, weekly fishing periods were used as an index of coho salmon abundance and for determination of additional fishing opportunity if warranted. During September, 5 Chinook, 32,000 sockeye, 26,070 coho, 19 pink, and 425 chum salmon were harvested (Appendix D8).

The 2014 South Alaska Peninsula (minus the SEDM July 1–July 25 harvest) Post-June total commercial salmon harvest was 4,990 Chinook, 767,167 sockeye, 294,341 coho, 540,949 pink, and 111,788 chum salmon (Appendix D9). No SEDM fisheries occurred in the Post-June period (Appendix D10).

In 2014, purse seine, drift gillnet, and set gillnet gear commercially harvested Chinook, sockeye, coho, pink, and chum salmon in the South Peninsula during the Post-June fishery (including the SEDM fishery). Chinook salmon were caught incidentally by all 3 gear groups during the 2014 Post-June Fishery with 4,924 (98.7%) caught by purse seine, 34 (0.7%) caught by drift gillnet, and 32 (0.6%) caught by set gillnet for a total of 4,990 fish (Appendix D11). A total of 767,167 sockeye salmon were harvested, of which 415,107 (54.1 %) were caught by purse seine, 60,662 (7.9%) were caught by drift gillnet, and 291,398 (38.0%) were caught by set gillnet (Appendix D12). Coho salmon were harvested by all gear groups, with 143,675 (87.3%) caught by purse seine, 10,552 (6.4%) by drift gillnet, and 10,383 (6.3%) by set gillnet for a total of 164,610 fish (Appendix D13). A total of 540,949 pink salmon were harvested, of which 439,352 (81.2%) were caught by purse seine, 38,880 (7.2%) were caught by drift gillnet, and 62,717 (11.6%) were caught set gillnet (Appendix D14). Chum salmon were harvested by all 3 gear groups, with 78,642 (70.3%) caught by purse seine, 15,790 (14.1%) by drift gillnet, and 17,356 (15.5%) by set gillnet for a total of 111,788 fish (Appendix D15).

The 2014 harvests of Chinook, sockeye, and coho salmon were better than the recent 10-year average (2004–2013) during the South Alaska Peninsula Post-June commercial salmon fishery, and the pink and chum salmon harvests were less than a quarter of the recent 10-year average (2004–2013) harvests (Appendix D10).

## **SALMON ESCAPEMENTS**

The South Alaska Peninsula has approximately 224 salmon streams, with sockeye salmon found in 37, pink salmon in at least 204, chum salmon in 136, and coho salmon in 81 streams (McCullough 2001). In 2014, most salmon escapements were monitored by aerial surveys using small fixed-wing aircraft. The Orzinski Lake system was monitored with a salmon weir operated by ADF&G. Pink and chum salmon escapements were estimated with indexed total escapement methods, and sockeye salmon systems were estimated using peak escapements (Appendix E1).

The 2004–2013, South Alaska Peninsula total indexed salmon escapement averaged 3,917,570 salmon, composed of 91,748 sockeye, 3,246,244 pink, and 579,578 chum salmon (Appendix E2). There are no known Chinook salmon spawning streams along South Alaska Peninsula waters, and coho salmon escapement data are inconsistent.

It is beyond the scope of this report to publish detailed escapement goals for each species by location and the methodologies used in their development. Additional information on escapement goals and escapements by stream or district used in the following discussion can be found in McCullough (2001) and Sagalkin and Erickson (2013).

## **2014 ESCAPEMENT BY SPECIES**

### **Sockeye Salmon**

The total 2014 estimated South Alaska Peninsula sockeye salmon escapement of 37,670 fish (Appendices E2 through E3) was below the recent 10-year average (2004–2013) of 91,748 fish. Escapement into Mortensen Lagoon (500 fish) was below its sustainable escapement goal (SEG) range of 3,200–6,400 fish, although survey conditions were poor and subsistence harvest indicates a somewhat larger escapement than could be verified with aerial surveys. Escapement into Thin Point Lagoon (8,600 fish) was below its SEG range of 14,000–28,000 fish. The Orzinski Lake sockeye salmon escapement for 2014 was 13,600 fish through August 10, after which the weir was pulled (Appendix E7 and E8). Aerial surveys after the weir was pulled indicated 16,100 sockeye salmon escaped into Orzinski Lake, which was within the SEG range of 15,000–20,000 (Sagalkin and Erickson 2013).

### **Coho Salmon**

The total indexed coho salmon escapement for 2014 was 9,090. Many streams were not surveyed, surveyed once, or not surveyed during times of peak abundance. The coho salmon escapement goal for Thin Point Lake was eliminated at the 2013 board meeting (Sagalkin and Erickson 2013).

### **Pink Salmon**

The total 2014 indexed South Alaska Peninsula pink salmon escapement of 1,340,380 fish (Appendices E2, E3, and E5) was below the South Peninsula even-year pink salmon SEG range of 1,864,600–3,275,700 fish (Sagalkin and Erickson 2013). From 2004 to 2013, the South Alaska Peninsula total pink salmon indexed escapement averaged 3,246,244 fish (Appendix E2).

### **Chum Salmon**

In 2014, the total estimated South Alaska Peninsula chum salmon escapement of 313,615 fish (Appendices E2, E3, and E6) was below the recent 10-year average (2004–2013) of 579,578 fish. Escapement of chum salmon into the Southeastern (82,300 fish) and Southwestern (130,745 fish) districts was below their SEG ranges of 106,400–212,800 and 133,400–266,800, while escapement into the South Central District (95,070 fish) was within the SEG range of 89,800–179,600 (Sagalkin and Erickson 2013; Appendix E3). The Unimak District chum salmon escapement goal was removed prior to the 2013 season.

## **ACKNOWLEDGMENTS**

The authors would like to thank Kirsten Woodard and Kaarle Strailey for their work at the Orzinski Weir; our fish ticket editor, Katie Kesling; our pilots, Steve Hakala and Paul Horn for aerial logistics and survey support; and the crew of the R/V Resolution for providing logistical support. Thanks to Dawn Wilburn, Amanda Dorner, Kathy Greer, Ric Shepard, Neil Moomey, Doug Dorner, and Darren Asuncion for their technical support. Also special thanks to Geoff Spalinger, Charles Russell, Reid Johnson, Kevin Schaberg, and Jeff Wadle for editing this publication.

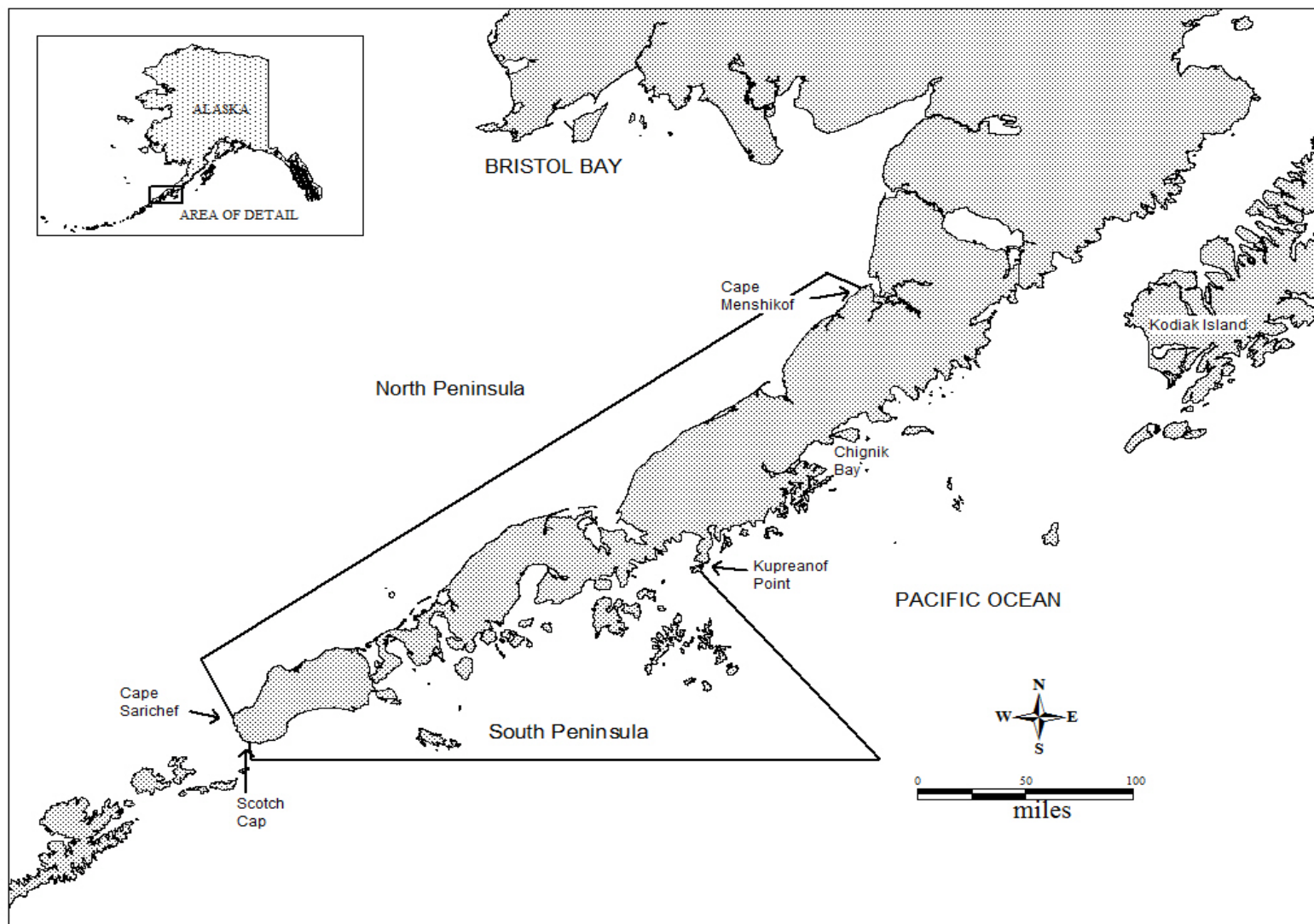
## **REFERENCES CITED**

- McCullough, J. N. 2001. Alaska Peninsula Management Area salmon systems: managers manual. Alaska Department of Fish and Game, Division of Commercial Fisheries, Regional Information Report 4K01-1, Kodiak.
- McCullough, J. N., and A. R. Shaul. 1992. The incidence of immature salmon in South Peninsula purse seine fisheries, 1963-91. Alaska Department of Fish and Game, Division of Commercial Fisheries, Regional Information Report 4K92-17, Kodiak.
- Munro, A. R., and C. Tide, editors. 2014. Editors. 2014. Run forecasts and harvest projections for 2014 Alaska salmon fisheries and review of the 2013 season. Alaska Department of fish and Game, Special Publication No. 14-10, Anchorage.
- Poetter, A. D. 2009. South Alaska Peninsula annual salmon management report, 2008. Alaska Department of Fish and Game, Division of Commercial Fisheries, Fishery management Report No.09-10, Anchorage.
- Poetter, A. D. and N. W. Nichols. 2014. South Alaska Peninsula salmon annual management report, 2013. Alaska Department of Fish and Game, Fishery Management Report No. 14-15, Anchorage.
- Sagalkin, N. H., and J. W. Erickson. 2013. Review of salmon escapement goals in the Alaska Peninsula and Aleutian Islands Management Areas, 2012. Alaska Department of Fish and Game, Fishery Manuscript No. 13-01, Anchorage.

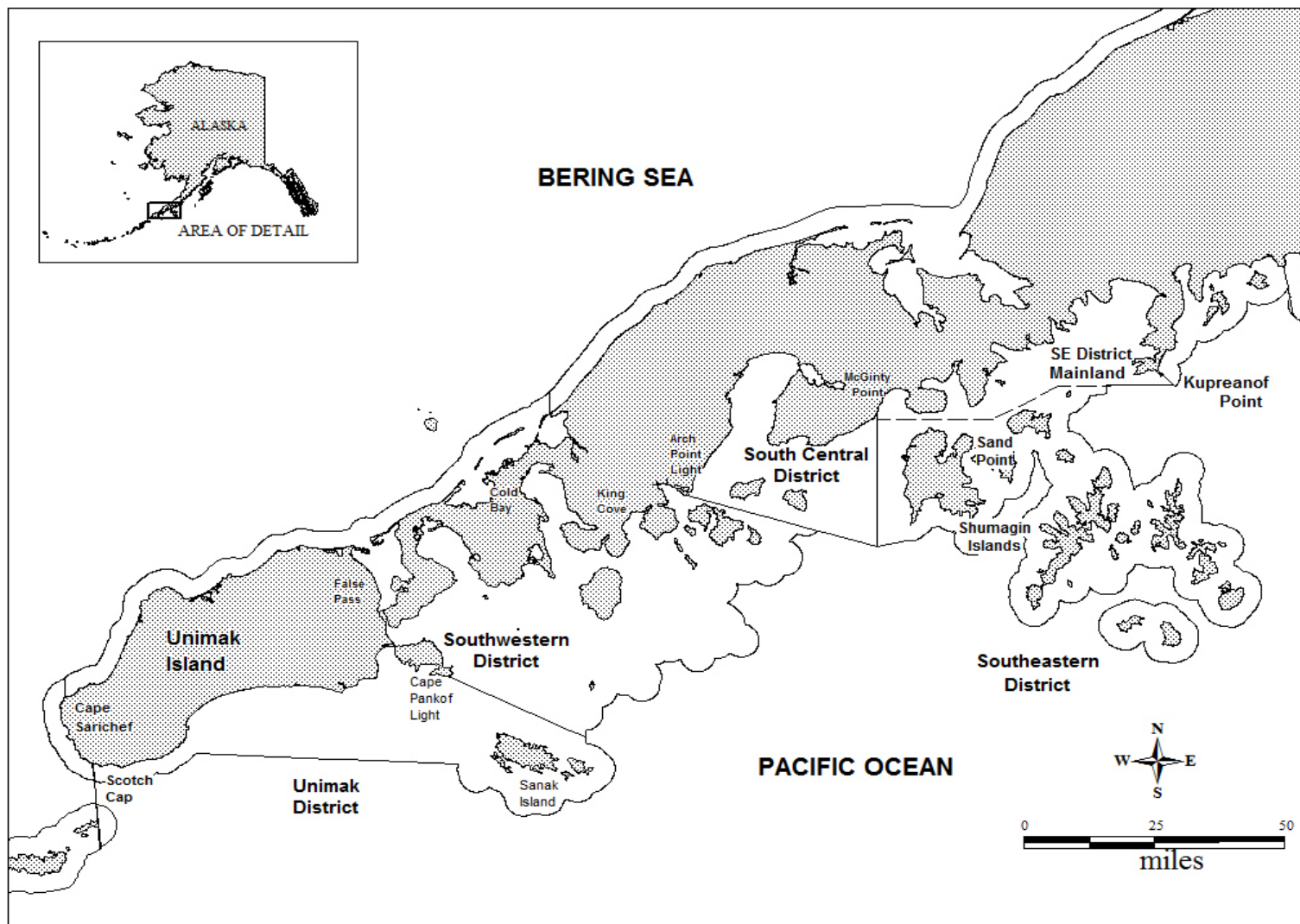


## **APPENDIX A. AREAWIDE INFORMATION**

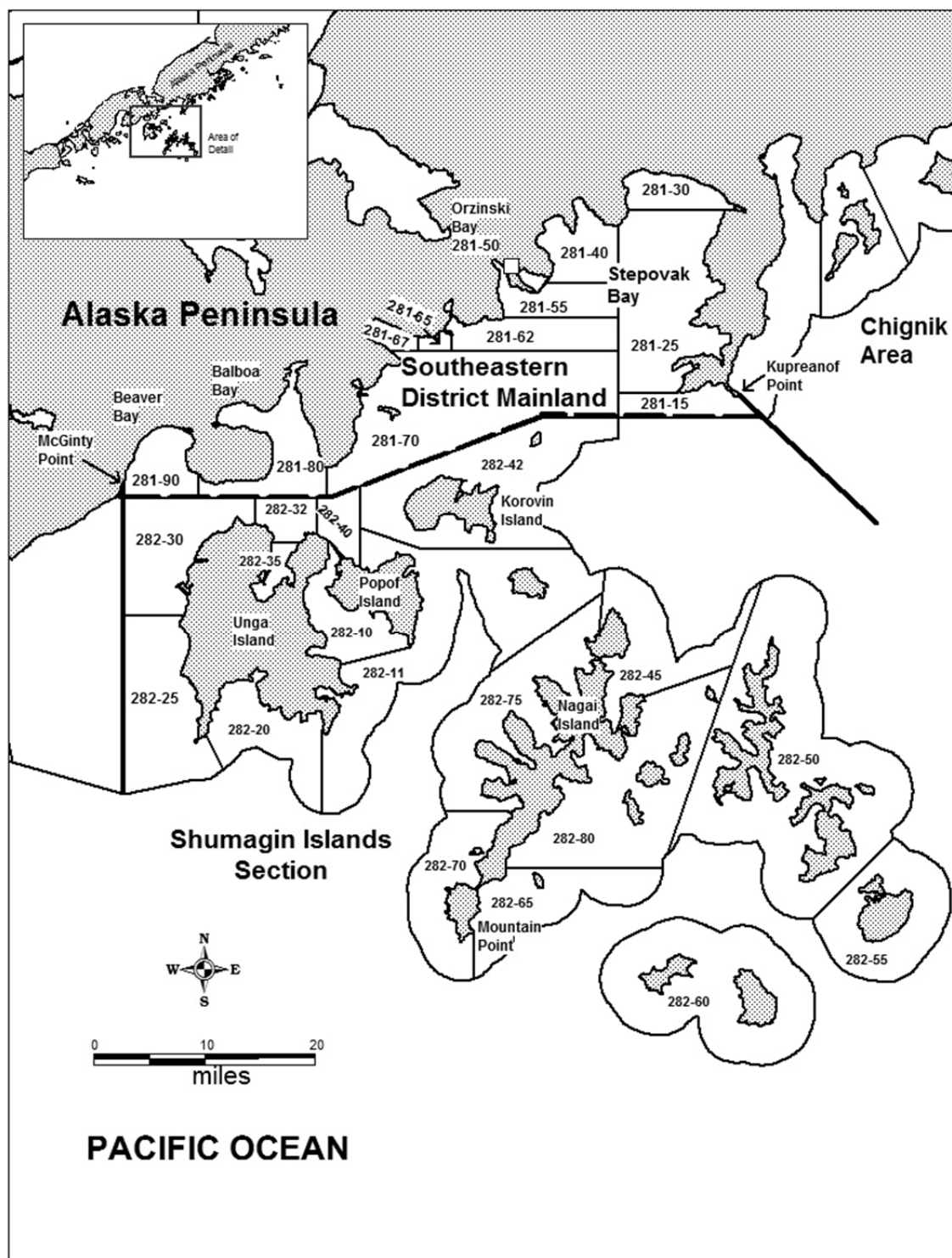
Appendix A1.—Map of Alaska Peninsula Management Area with the North and South Peninsula defined.



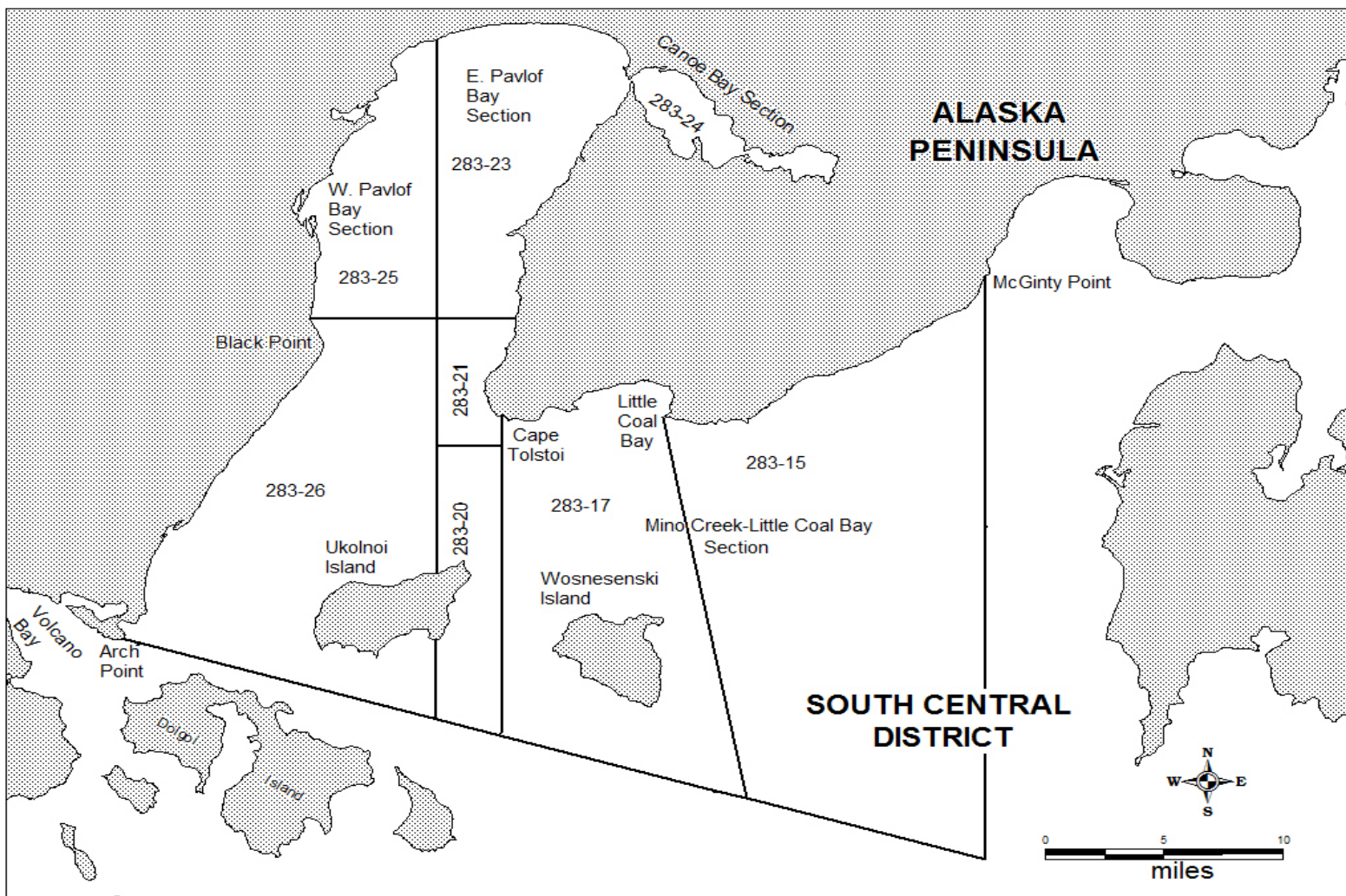
Appendix A2.—Map of Alaska Peninsula Management Area from Kupreanof Point to Scotch Cap with South Peninsula salmon fishing districts defined.



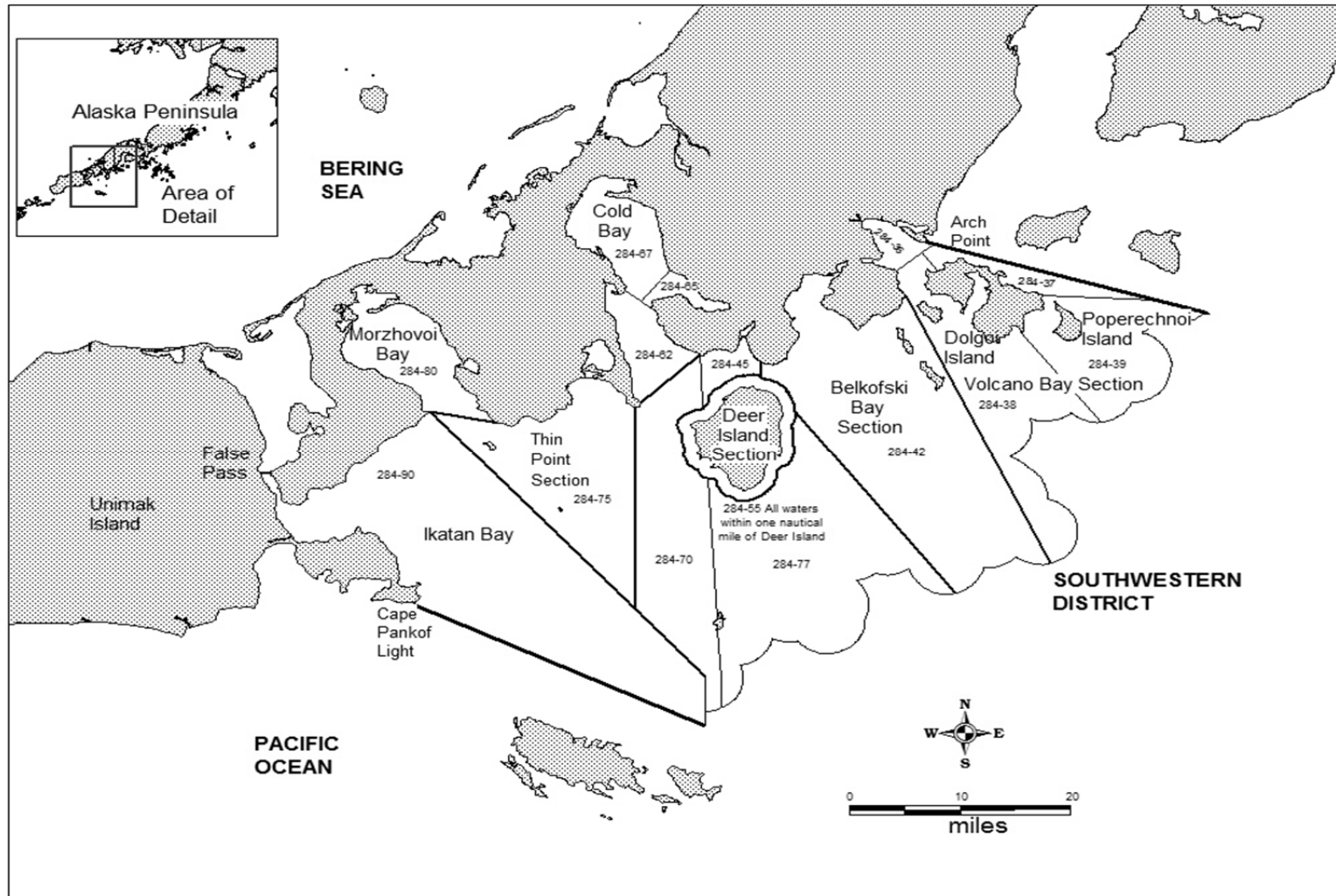
Appendix A3.—Map of Alaska Peninsula Area from Kupreanof Point to McGinty Point (Southeastern District) with statistical salmon fishing areas shown.



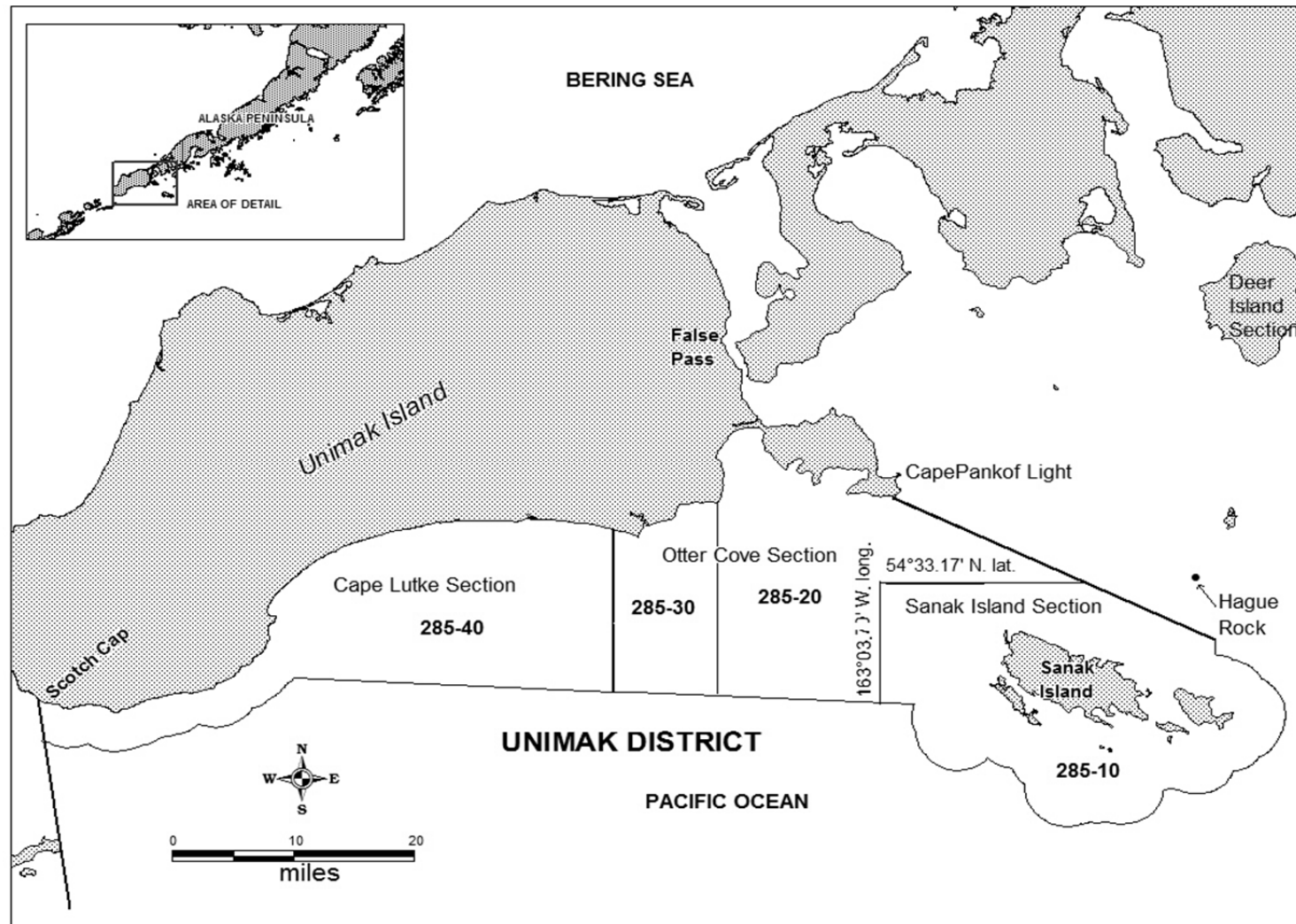
Appendix A4.—Map of Alaska Peninsula Area from McGinty Point to Arch Point (South Central District) with statistical salmon fishing areas shown.



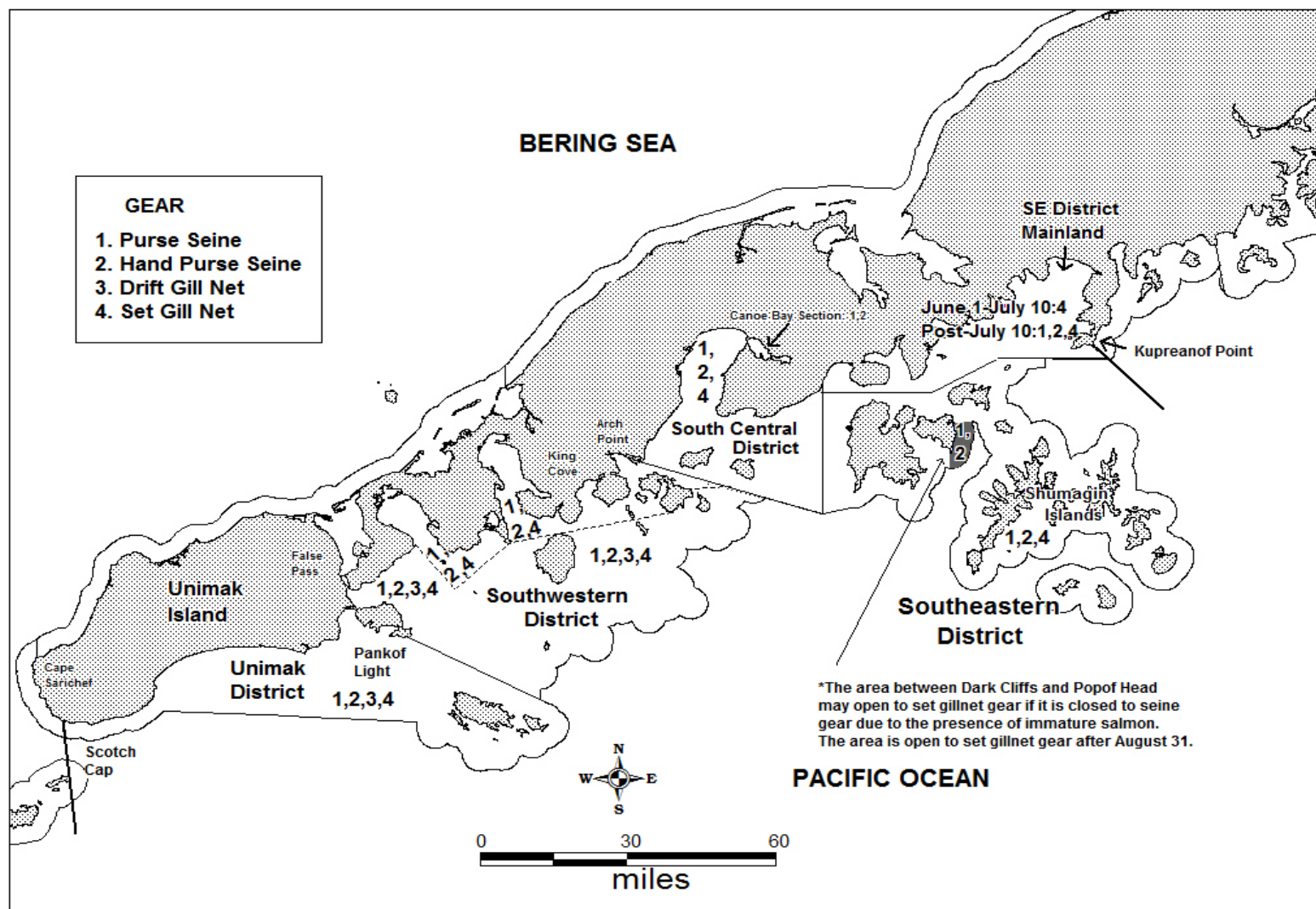
Appendix A5.—Map of Alaska Peninsula Area from Arch Point to Cape Pankof Light (Southwestern District) with statistical salmon fishing areas shown.



Appendix A6.—Map of Alaska Peninsula Area from Cape Pankof Light to Scotch Cap (Unimak District) with statistical salmon fishing areas shown.



Appendix A7.—Map of Alaska Peninsula Management Area from Kupreanof Point to Scotch Cap with legal gear types shown.



Appendix A8.—Number of actively fished limited entry (CFEC) permits in the South Alaska Peninsula, 1971–2014.

Year	Purse seine	Drift gillnet	Set gillnet	Total
1971	113	122	24	259
1972	90	151	25	266
1973	55	121	26	202
1974	46	46	42	134
1975	52	81	12	145
1976	89	108	24	221
1977	84	101	26	211
1978	101	120	30	251
1979	123	137	46	306
1980	114	129	45	288
1981	116	135	53	304
1982	115	138	52	305
1983	118	147	59	324
1984	121	147	66	334
1985	122	150	64	336
1986	119	156	60	335
1987	113	145	69	327
1988	112	148	70	330
1989	117	147	76	340
1990	118	154	81	353
1991	119	157	78	354
1992	119	142	79	340
1993	122	144	86	352
1994	118	145	79	342
1995	118	151	82	351
1996	102	147	82	331
1997	82	142	82	306
1998	79	145	86	310
1999	74	153	82	309
2000	76	149	84	309
2001	64	99	78	241
2002	42	86	70	198
2003	46	84	64	194
2004	42	95	65	202
2005	45	94	69	208
2006	43	85	74	202
2007	46	87	71	204
2008	56	111	64	231
2009	53	118	67	238
2010	62	119	64	245
2011	58	121	69	248
2012	55	123	70	248
2013	60	122	66	248
2014	49	127	65	241
2004–2013 Average	52	108	68	227

Appendix A9.—South Alaska Peninsula salmon harvest (number of fish), all gear combined, by species and year, 1908–2014.

Year <sup>a, b</sup>	Permits	Landings	Chinook	Sockeye	Coho	Pink	Chum	Total
1908			0	69,400	0	0	0	69,400
1909			0	108,400	7,200	0	0	115,600
1910			0	46,300	5,500	0	0	51,800
1911			0	240,800	12,400	25,200	83,000	361,400
1912			0	334,400	27,000	40,400	195,000	596,800
1913			1,800	299,700	0	0	7,000	308,500
1914			600	628,900	0	311,000	221,100	1,161,600
1915			4,800	367,900	16,200	120,100	333,100	842,100
1916			6,800	730,900	34,100	576,100	508,900	1,856,800
1917			6,400	1,486,100	4,600	72,100	415,500	1,984,700
1918			8,700	1,014,100	16,300	2,150,000	1,501,000	4,690,100
1919			9,600	619,100	56,100	80,200	921,400	1,686,400
1920			7,800	1,142,300	47,700	2,109,800	934,000	4,241,600
1921			700	830,700	1,500	47,300	84,600	964,800
1922			6,900	3,376,800	2,200	756,700	349,300	4,491,900
1923			4,100	1,827,200	75,300	143,600	538,900	2,589,100
1924			3,900	1,352,000	127,300	3,931,300	1,330,700	6,745,200
1925			10,700	820,500	127,100	382,100	1,116,800	2,457,200
1926			9,500	3,071,500	193,800	3,719,700	1,179,800	8,174,300
1927			9,600	714,700	125,300	1,455,500	1,299,700	3,604,800
1928			7,700	971,500	96,600	900,900	2,416,300	4,393,000
1929			10,500	935,800	84,500	1,793,500	2,429,000	5,253,300
1930			10,900	935,200	161,100	6,094,800	1,278,100	8,480,100
1931			11,000	1,863,200	128,700	997,900	1,216,000	4,216,800
1932			17,400	2,977,300	112,300	3,604,800	817,300	7,529,100
1933			12,600	1,996,700	190,000	3,109,200	1,173,900	6,482,400
1934			17,600	1,372,400	247,100	6,538,500	1,940,300	10,115,900
1935			13,900	978,400	117,200	5,386,200	2,003,100	8,498,800
1936			14,400	3,662,600	284,600	9,471,000	2,310,900	15,743,500
1937			9,300	1,558,000	73,900	9,302,000	1,506,700	12,449,900
1938			6,400	772,100	220,700	7,169,100	1,476,600	9,644,900
1939			16,500	1,881,700	98,900	6,005,300	1,440,600	9,443,000
1940			9,100	1,040,300	184,200	7,182,800	2,326,300	10,742,700
1941			13,000	1,072,000	183,000	5,347,000	1,542,000	8,157,000
1942			4,800	810,100	123,000	6,762,600	1,321,100	9,021,600
1943			21,700	2,397,700	90,600	4,360,200	924,500	7,794,700
1944			9,900	538,600	238,700	2,653,800	985,600	4,426,600
1945			21,400	813,400	116,100	3,639,600	948,900	5,539,400
1946			6,100	752,300	151,400	1,964,000	1,219,900	4,093,700
1947			3,400	1,137,100	55,800	2,319,600	1,219,200	4,735,100
1948			1,200	285,900	39,200	1,683,700	1,139,600	3,149,600
1949			3,800	637,500	19,500	1,544,000	560,900	2,765,700
1950			4,000	1,745,300	70,700	1,613,700	562,500	3,996,200

-continued-

Appendix A9.–Page 2 of 3.

Year <sup>a, b</sup>	Permits	Landings	Chinook	Sockeye	Coho	Pink	Chum	Total
1951			1,500	264,200	55,700	2,844,800	683,100	3,849,300
1952			9,200	894,500	39,200	908,500	1,040,800	2,892,200
1953			7,200	1,039,200	47,900	2,743,900	1,464,600	5,302,800
1954			4,200	636,300	49,400	2,033,300	1,413,400	4,136,600
1955			5,400	550,100	44,800	2,529,200	688,200	3,817,700
1956			4,800	641,400	61,900	2,740,700	1,618,700	5,067,500
1957			5,800	341,900	49,900	913,100	1,281,400	2,592,100
1958			800	186,100	70,600	1,385,200	841,000	2,483,700
1959			900	217,500	8,500	915,600	711,700	1,854,200
1960			1,700	379,000	1,800	1,197,500	904,400	2,484,400
1961			900	456,800	10,400	1,727,800	748,600	2,944,500
1962			3,300	420,000	12,500	1,965,500	824,800	3,226,100
1963			1,900	204,400	16,500	2,367,700	461,300	3,051,800
1964			2,000	370,800	13,600	2,740,400	751,000	3,877,800
1965			2,100	915,700	34,200	2,884,100	556,400	4,392,500
1966			1,400	606,200	6,300	302,300	494,400	1,410,600
1967			1,600	294,100	2,900	77,800	245,200	621,600
1968			1,400	699,800	31,100	1,287,100	325,300	2,344,700
1969			1,900	912,800	10,900	1,219,400	389,200	2,534,200
1970	295	4,679	1,806	1,779,525	32,571	1,737,985	993,349	4,545,236
1971	259	4,444	2,174	716,087	16,907	1,445,031	1,365,957	3,546,156
1972	266	3,124	1,332	557,422	8,021	78,221	731,814	1,376,810
1973	202	1,795	415	330,091	6,599	58,051	292,943	688,099
1974	134	853	581	197,153	9,366	100,601	71,826	379,527
1975	145	600	117	243,548	67	60,642	130,750	435,124
1976	221	2,705	2,196	375,027	216	2,366,833	532,503	3,276,775
1977	211	2,168	559	311,722	2,108	1,448,648	243,167	2,006,204
1978	251	3,860	773	579,411	60,774	5,590,145	546,182	6,777,285
1979	306	4,476	2,141	1,149,927	356,867	6,564,914	482,930	8,556,779
1980	288	5,107	4,794	3,613,025	274,181	7,861,470	1,353,112	13,106,582
1981	304	5,617	11,182	2,241,513	162,223	5,033,028	1,768,475	9,216,421
1982	305	6,286	9,845	2,345,981	256,046	6,734,905	2,272,495	11,619,272
1983	324	5,241	26,571	2,556,557	127,657	2,827,622	1,704,072	7,242,479
1984	334	6,378	9,198	2,318,028	310,950	11,589,258	1,654,622	15,882,056
1985	336	5,322	6,642	2,144,416	172,514	4,431,016	1,348,726	8,103,314
1986	335	5,132	5,589	1,223,089	235,854	4,031,487	1,749,651	7,245,670
1987	327	5,256	9,174	1,449,753	225,120	1,208,556	1,376,887	4,269,490
1988	330	6,478	11,075	1,473,651	505,533	7,044,824	1,908,507	10,943,590
1989	341	5,597	7,065	2,659,101	441,397	7,289,130	993,492	11,390,185
1990	352	6,403	16,497	2,385,560	305,510	2,861,283	1,234,679	6,803,529
1991	354	6,440	7,975	2,319,957	317,129	10,616,756	1,588,791	14,850,608
1992	341	6,512	8,026	3,445,914	418,232	9,770,386	1,316,709	14,959,267
1993	352	6,204	14,413	3,689,074	220,148	9,928,107	1,048,257	14,899,999
1994	343	6,750	10,002	2,107,233	255,905	9,179,853	2,192,079	13,745,072
1995	352	8,193	17,453	3,016,211	264,346	16,311,942	1,728,321	21,338,273
1996	331	5,875	5,520	1,543,134	293,374	2,207,503	794,642	4,844,173

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Year <sup>a, b</sup>	Permits	Landings	Chinook	Sockeye	Coho	Pink	Chum	Total
1997	306	5,768	7,163	2,258,189	112,432	2,303,926	606,254	5,287,964
1998	311	8,014	4,919	2,183,776	154,194	8,047,998	721,068	11,111,955
1999	310	7,021	5,074	2,991,819	192,503	8,456,449	840,030	12,485,875
2000	311	7,110	5,445	2,006,487	257,245	3,562,866	1,066,653	6,898,696
2001	242	3,277	2,620	614,080	214,252	4,021,381	933,014	5,785,347
2002	198	3,880	6,399	1,035,232	202,717	2,170,376	819,030	4,233,754
2003	194	3,901	2,712	1,053,603	131,007	4,258,274	637,305	6,082,901
2004	202	4,662	7,050	2,200,331	235,600	6,665,831	790,109	9,898,921
2005	208	4,944	4,487	2,337,097	143,617	9,416,197	739,460	12,640,858
2006	203	4,918	5,412	1,850,029	169,620	4,261,824	1,177,806	7,464,691
2007	204	5,298	5,312	2,438,672	150,955	7,299,330	679,787	10,574,056
2008	230	5,546	4,366	2,239,210	225,659	12,710,050	802,404	15,981,689
2009	238	5,819	5,847	1,724,029	248,552	7,900,018	1,680,719	11,559,165
2010	245	4,255	7,848	1,274,112	164,640	833,788	790,131	3,070,519
2011	248	5,609	7,207	1,916,839	153,433	4,992,228	977,755	8,047,462
2012	248	5,326	7,693	2,015,016	91,918	490,334	622,775	3,227,736
2013	248	6,842	6,701	2,239,939	293,865	7,793,830	950,528	11,284,863
2014	241	4,399	7,280	1,426,380	296,819	721,209	501,927	2,953,615
Averages								
1918–1929 <sup>c</sup>			7,475	1,389,683	79,475	1,455,883	1,175,125	4,107,642
1930–1946 <sup>c</sup>			12,706	1,495,412	160,088	5,269,929	1,437,165	8,375,300
1947–1977 <sup>c</sup>	217	2,546	2,567	591,844	26,747	1,523,900	751,226	2,896,285
1978–1999 <sup>c</sup>	324	5,997	9,141	2,258,878	257,404	6,813,207	1,328,636	10,667,265
2004–2013	227	5,322	6,192	2,023,527	187,786	6,236,343	921,147	9,374,996

Note: Permit and landing numbers are only available from 1970 through present.

<sup>a</sup> From 1928 through 1950 commercial salmon catches in the Aleutian Islands and the South Peninsula were combined. Aleutian Islands catches are generally much smaller than South Peninsula harvests. South Peninsula harvests were generally dominated by pink salmon. The 1978–1999 Aleutian Islands average salmon harvest was 510,317 fish, while the 1978–1999 average harvest for the South Peninsula was 10,671,164 salmon.

<sup>b</sup> Since 1989, salmon numbers include test fish harvests.

<sup>c</sup> These historical averages are intended to illustrate how salmon productivity has fluctuated in the South Peninsula.

Appendix A10.—South Alaska Peninsula pink salmon catch and escapement by year, 1971–2014.

Year		Post June Harvest			June harvest		
		Southeastern <sup>a</sup> and South Central Districts	Southwestern and Unimak Districts	South <sup>b</sup> Peninsula totals	South Unimak	Shumagin Islands	Total June harvest
1971	Catch	1,211,982	213,809	1,425,791	11,608	7,632	19,240
	Escapement	488,000	214,700	702,700			
	Total	1,699,982	428,509	2,128,491			
1972	Catch	53,339	6,958	60,297	11,906	6,018	17,924
	Escapement	81,800	29,600	111,400			
	Total	135,139	36,558	171,697			
1973	Catch	36,548	2,073	38,621	11,152	8,278	19,430
	Escapement	85,700	25,100	110,800			
	Total	122,248	27,173	149,421			
1974	Catch	95,951	4,650	100,601	0	0	0
	Escapement	238,600	45,800	284,400			
	Total	334,551	50,450	385,001			
1975	Catch	30,052	25,343	55,395	3,205	2,042	5,247
	Escapement	357,800	194,300	552,100			
	Total	387,852	219,643	607,495			
1976	Catch	2,036,223	306,786	2,343,009	18,181	5,643	23,824
	Escapement	1,084,000	372,400	1,456,400			
	Total	3,120,223	679,186	3,799,409			
1977	Catch	1,163,505	279,745	1,443,250	3,397	2,001	5,398
	Escapement	2,168,500	509,300	2,677,800			
	Total	3,332,005	789,045	4,121,050			
1978	Catch	4,167,878	1,332,325	5,500,203	47,380	42,562	89,942
	Escapement	1,966,300	892,400	2,858,700			
	Total	6,134,178	2,224,725	8,358,903			
1979	Catch	4,839,548	1,570,553	6,410,101	49,000	105,813	154,813
	Escapement	2,125,100	504,400	2,629,500			
	Total	6,964,648	2,074,953	9,039,601			
1980	Catch	2,519,576	3,815,588	6,335,164	1,140,611	385,695	1,526,306
	Escapement	1,410,400	1,231,200	2,641,600			
	Total	3,929,976	5,046,788	8,976,764			
1981	Catch	4,196,419	385,359	4,581,778	325,002	126,248	451,250
	Escapement	1,875,000	431,800	2,306,800			
	Total	6,071,419	817,159	6,888,578			
1982	Catch	4,104,949	911,131	5,016,080	1,032,154	686,671	1,718,825
	Escapement	1,533,200	759,800	2,293,000			
	Total	5,638,149	1,670,931	7,309,080			

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		Post June harvest			June harvest		
		Southeastern <sup>a</sup> and South Central Districts	Southwestern and Unimak Districts	South <sup>b</sup> Peninsula totals	South Unimak	Shumagin Islands	Total June harvest
1983	Catch	2,344,546	526,315	2,870,861	40,441	15,434	489,629
	Escapement	639,200	212,000	851,200			
	Total	2,983,746	738,315	3,722,061			
1984	Catch	2,745,508	4,136,235	6,881,743	470,688	449,188	919,876
	Escapement	2,526,700	1,824,900	4,351,600			
	Total	5,272,208	5,961,135	11,233,343			
1985	Catch	1,466,905	1,000,350	2,467,255	69,811	36,804	106,615
	Escapement	1,229,300	384,500	1,613,800			
	Total	2,696,205	1,384,850	4,081,055			
1986	Catch	3,066,631	672,867	3,739,498	150,674	141,315	3,890,172
	Escapement	1,185,500	531,200	1,716,700			
	Total	4,252,131	1,204,067	5,456,198			
1987	Catch	1,143,436	48,138	1,191,574	11,342	5,640	16,982
	Escapement	1,304,400	236,100	1,540,500			
	Total	2,447,836	284,238	2,732,074			
1988	Catch	4,700,486	2,164,114	6,864,600	86,678	93,546	180,224
	Escapement	1,636,500	1,203,100	2,839,600			
	Total	6,336,986	3,367,214	9,704,200			
1989	Catch	5,578,746	1,511,149	7,089,895	154,168	45,067	199,235
	Escapement	1,179,300	691,600	1,870,900			
	Total	6,758,046	2,202,749	8,960,795			
1990	Catch	1,734,227	611,816	2,346,043	444,249	70,798	515,047
	Escapement	1,018,200	580,200	1,598,400			
	Total	2,752,427	1,192,016	3,944,443			
1991	Catch	7,530,700	2,446,759	9,977,459	500,922	118,215	619,137
	Escapement	2,268,400	678,400	2,946,800			
	Total	9,799,100	3,125,159	12,924,259			
1992	Catch	4,851,245	4,266,322	9,117,567	501,127	140,963	642,090
	Escapement	1,781,000	1,053,400	2,834,400			
	Total	6,632,245	5,319,722	11,951,967			
1993	Catch	7,490,553	2,353,434	9,843,987	37,735	43,401	81,136
	Escapement	2,232,200	757,900	2,990,100			
	Total	9,722,753	3,111,334	12,834,087			
1994	Catch	3,143,952	3,507,237	6,651,189	1,731,741	760,773	2,492,514
	Escapement	1,700,525	1,371,200	3,071,725			
	Total	4,844,477	4,878,437	9,722,914			

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		Post June harvest			June harvest		
		Southeastern <sup>a</sup> and South Central Districts	Southwestern and Unimak Districts	South <sup>b</sup> Peninsula Totals	South Unimak	Shumagin Islands	Total June Harvest
1995	Catch	11,362,914	4,761,044	16,123,958	119,094	59,541	178,635
	Escapement	4,404,450	2,001,850	6,406,300			
	Total	15,767,364	6,762,894	22,530,258			
1996	Catch	1,512,680	296,875	1,809,555	146,799	230,885	377,684
	Escapement	2,668,950	978,600	3,647,550			
	Total	4,181,630	1,275,475	5,457,105			
1997	Catch	828,392	869,597	1,697,989	332,262	273,675	605,937
	Escapement	4,021,375	1,221,900	5,243,275			
	Total	4,849,767	2,091,497	6,941,264			
1998	Catch	565,639	2,000,702	2,566,341	125,906	348,434	474,340
	Escapement	2,856,255	1,811,810	4,668,065			
	Total	3,421,894	3,812,512	7,234,406			
1999	Catch	6,902,382	1,510,422	8,412,804	20,302	10,237	30,539
	Escapement	3,363,080	1,652,230	5,015,310			
	Total	10,265,462	3,162,652	13,428,114			
2000	Catch	2,344,546	844,970	3,189,516	210,521	149,508	360,029
	Escapement	1,688,785	1,104,200	2,792,985			
	Total	4,033,331	1,949,170	5,982,501			
2001	Catch	2,745,508	1,227,298	3,972,806	31,812	7,439	39,251
	Escapement	2,040,120	925,016	2,965,136			
	Total	4,785,628	2,152,314	6,937,942			
2002	Catch	1,466,905	627,220	2,094,125	33,789	42,462	76,251
	Escapement	2,108,450	1,654,350	3,762,800			
	Total	3,575,355	2,281,570	5,856,925			
2003	Catch	2,969,134	1,071,240	4,040,374	90,161	127,739	217,900
	Escapement	3,674,120	1,837,100	5,511,220			
	Total	6,643,254	2,908,340	9,551,594			
2004	Catch	5,106,489	1,199,426	6,305,915	78,808	281,108	359,916
	Escapement	5,969,710	2,341,700	8,311,410			
	Total	11,076,199	3,541,126	14,617,325			
2005	Catch	5,642,820	2,118,418	7,761,238	403,815	1,251,144	1,654,959
	Escapement	4,271,270	1,894,364	6,165,634			
	Total	9,914,090	4,012,782	13,926,872			
2006	Catch	2,332,613	596,298	2,928,911	186,096	1,146,223	1,332,319
	Escapement	1,648,365	1,213,885	2,862,250			
	Total	3,980,978	1,810,183	5,791,161			

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		Post June harvest			June harvest		
		Southeastern <sup>a</sup> and South Central Districts	Southwestern and Unimak Districts	South <sup>b</sup> Peninsula Totals	South Unimak	Shumagin Islands	Total June harvest
2007	Catch	5,175,086	323,981	5,499,067	57,032	210,496	267,528
	Escapement	1,805,873	874,340	2,680,213			
	Total	6,980,959	1,198,321	8,179,280			
2008	Catch	6,988,887	3,749,895	10,738,782	800,265	1,171,003	1,971,268
	Escapement	2,332,920	1,005,450	3,338,370			
	Total	9,321,807	4,755,345	14,077,152			
2009	Catch	3,733,217	1,939,317	5,672,534	946,823	1,301,732	2,248,555
	Escapement	1,669,900	1,397,100	3,067,000			
	Total	5,403,117	3,336,417	8,739,534			
2010	Catch	460,250	45,289	505,539	190,649	141,786	332,435
	Escapement	396,962	345,950	742,912			
	Total	857,212	391,239	1,248,451			
2011	Catch	4,047,475	233,540	4,281,015	475,289	247,846	723,135
	Escapement	1,709,900	785,050	2,494,950			
	Total	5,757,375	1,018,590	6,775,965			
2012	Catch	179,621	36,814	216,435	169,898	89,716	259,614
	Escapement	94,340	384,570	478,910			
	Total	273,961	421,384	695,345			
2013	Catch	7,047,161	449,278	7,496,439	130,987	171,868	302,855
	Escapement	1,803,000	517,790	2,320,790			
	Total	8,850,161	967,068	9,817,229			
2014	Catch	343,828	197,121	540,949	127,390	52,870	180,260
	Escapement	616,130	724,250	1,340,380			
	Total	959,958	921,371	1,881,329			

<sup>a</sup> Catch includes any salmon (usually very few) caught in Southeastern District Mainland in June which are considered local.

<sup>b</sup> Catch numbers do not include test fish and subsistence harvests.

Appendix A11.—South Alaska Peninsula chum salmon catch and escapement by year, 1971–2014.

Year		Post June harvest			June harvest		
		Southeastern <sup>a</sup> and South Central Districts	Southwestern and Unimak Districts	South <sup>b</sup> Peninsula totals	South Unimak	Shumagin Islands	Total June harvest
1971	Catch	647,092	209,668	856,760	405,311	103,886	509,197
	Escapement	199,100	144,100	343,200			
	Total	846,192	353,768	1,199,960			
1972	Catch	151,283	61,721	213,004	411,000	107,810	518,810
	Escapement	145,000	109,500	254,500			
	Total	296,283	171,221	467,504			
1973	Catch	79,872	12,441	92,313	177,720	22,910	200,630
	Escapement	130,900	81,600	212,500			
	Total	210,772	94,041	304,813			
1974	Catch	56,509	15,317	71,826	0	0	0
	Escapement	169,800	87,500	257,300			
	Total	226,309	102,817	329,126			
1975	Catch	29,419	509	29,928	65,279	35,543	100,822
	Escapement	160,200	33,100	193,300			
	Total	189,619	33,609	223,228			
1976	Catch	107,319	14,914	122,233	336,161	74,109	410,270
	Escapement	225,300	101,900	327,200			
	Total	332,619	116,814	449,433			
1977	Catch	109,541	17,630	127,171	94,097	21,899	115,996
	Escapement	500,900	274,000	774,900			
	Total	610,441	291,630	902,071			
1978	Catch	341,077	83,213	424,290	103,413	18,479	121,892
	Escapement	386,200	214,300	600,500			
	Total	727,277	297,513	1,024,790			
1979	Catch	280,401	98,426	378,827	63,150	40,953	104,103
	Escapement	302,700	108,400	411,100			
	Total	583,101	206,826	789,927			
1980	Catch	675,106	169,141	844,247	458,499	50,366	508,865
	Escapement	241,600	120,800	362,400			
	Total	916,706	289,941	1,206,647			
1981	Catch	964,530	239,998	1,204,528	509,876	54,071	563,947
	Escapement	234,500	146,800	381,300			
	Total	1,199,030	386,798	1,585,828			
1982	Catch	921,790	255,661	1,177,451	933,728	161,316	1,095,044
	Escapement	203,000	183,900	386,900			
	Total	1,124,790	439,561	1,564,351			

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		Post June harvest			June harvest		
		Southeastern <sup>a</sup> and South Central Districts	Southwestern <sup>b</sup> and Unimak Districts	South Peninsula totals	South Unimak	Shumagin Islands	Total June harvest
1983	Catch	438,505	321,145	759,650	616,354	169,277	785,631
	Escapement	328,900	117,600	446,500			
	Total	767,405	438,745	1,206,150			
1984	Catch	441,437	484,630	926,067	227,913	109,207	337,120
	Escapement	446,000	253,700	699,700			
	Total	887,437	738,330	1,625,767			
1985	Catch	209,267	375,832	585,099	324,825	109,004	433,829
	Escapement	284,700	218,800	503,500			
	Total	493,967	594,632	1,088,599			
1986	Catch	981,185	416,697	1,397,882	252,721	99,048	351,769
	Escapement	239,600	305,000	544,600			
	Total	1,220,785	721,697	1,942,482			
1987	Catch	753,246	179,500	932,746	405,955	37,064	443,019
	Escapement	329,200	291,500	620,700			
	Total	1,082,446	471,000	1,553,446			
1988	Catch	829,518	552,278	1,381,796	464,765	61,946	526,711
	Escapement	269,100	227,300	496,400			
	Total	1,098,618	779,578	1,878,196			
1989	Catch	420,667	117,662	538,329	407,635	47,528	455,163
	Escapement	189,200	121,300	310,500			
	Total	609,867	238,962	848,829			
1990	Catch	560,511	155,429	715,940	455,044	63,501	518,545
	Escapement	210,900	143,800	354,700			
	Total	771,411	299,229	1,070,640			
1991	Catch	563,373	237,695	801,068	670,103	102,602	772,705
	Escapement	345,400	242,200	587,600			
	Total	908,773	479,895	1,388,668			
1992	Catch	592,522	291,692	884,214	323,891	102,312	426,203
	Escapement	194,100	141,400	335,500			
	Total	786,622	433,092	1,219,714			
1993	Catch	330,757	183,403	514,160	381,941	150,306	532,247
	Escapement	172,400	224,630	397,030			
	Total	503,157	408,033	911,190			
1994	Catch	691,164	905,581	1,596,745	374,409	207,756	582,165
	Escapement	211,700	367,400	579,100			
	Total	902,864	1,272,981	2,175,845			

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		Post June harvest			June harvest		
		Southeastern <sup>a</sup> and South Central Districts	Southwestern and Unimak Districts	South <sup>b</sup> Peninsula totals	South Unimak	Shumagin Islands	Total June harvest
1995	Catch	666,344	511,290	1,177,634	342,307	195,126	537,433
	Escapement	324,750	401,650	726,400			
	Total	991,094	912,940	1,904,034			
1996	Catch	287,111	128,126	415,237	129,889	229,931	359,820
	Escapement	307,400	302,900	610,300			
	Total	594,511	431,026	1,025,537			
1997	Catch	101,370	182,559	283,929	196,016	126,309	322,325
	Escapement	542,050	267,000	809,050			
	Total	643,420	449,559	1,092,979			
1998	Catch	292,862	173,045	465,907	195,454	50,165	245,619
	Escapement	390,325	351,910	742,235			
	Total	683,187	524,955	1,208,142			
1999	Catch	396,431	175,229	571,660	186,886	58,420	245,306
	Escapement	336,050	389,130	725,180			
	Total	732,481	564,359	1,296,840			
2000	Catch	438,505	377,454	815,959	168,888	70,469	239,357
	Escapement	264,050	258,025	522,075			
	Total	702,555	635,479	1,338,034			
2001	Catch	441,437	432,199	873,636	36,099	12,251	48,350
	Escapement	473,800	277,421	751,221			
	Total	915,237	709,620	1,624,857			
2002	Catch	209,267	230,946	440,213	201,211	177,606	378,817
	Escapement	333,550	269,200	602,750			
	Total	542,817	500,146	1,042,963			
2003	Catch	125,741	229,126	354,867	121,169	161,269	282,438
	Escapement	297,810	193,230	491,040			
	Total	423,551	422,356	845,907			
2004	Catch	245,625	62,174	307,799	130,626	351,683	482,309
	Escapement	552,000	180,400	732,400			
	Total	797,625	242,574	1,040,199			
2005	Catch	226,172	85,458	311,630	143,610	284,031	427,641
	Escapement	648,200	322,110	970,310			
	Total	874,372	407,568	1,281,940			
2006	Catch	565,678	310,338	876,016	96,016	203,811	299,827
	Escapement	524,900	239,850	764,750			
	Total	1,090,578	550,188	1,640,766			

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		Post June harvest			June harvest		
		Southeastern <sup>a</sup> and South Central Districts	Southwestern and Unimak Districts	South <sup>b</sup> Peninsula totals	South Unimak	Shumagin Islands	Total June harvest
2007	Catch	394,959	263,067	658,026	153,334	144,205	297,539
	Escapement	327,451	399,210	726,661			
	Total	722,410	662,277	1,384,687			
2008	Catch	281,940	109,532	391,472	284,449	126,483	410,932
	Escapement	417,900	174,050	591,950			
	Total	699,840	283,582	983,422			
2009	Catch	448,952	538,856	987,808	200,783	495,992	696,775
	Escapement	125,100	387,130	512,230			
	Total	574,052	925,986	1,500,038			
2010	Catch	399,679	114,661	514,340	100,427	171,273	271,700
	Escapement	147,912	143,700	291,612			
	Total	547,591	258,361	805,952			
2011	Catch	397,227	142,271	539,498	231,081	192,254	423,335
	Escapement	314,300	183,425	497,725			
	Total	711,527	325,696	1,037,223			
2012	Catch	142,989	83,227	226,216	211,738	180,605	392,343
	Escapement	117,262	87,980	205,242			
	Total	260,251	171,207	431,458			
2013	Catch	369,502	179,492	548,994	188,952	209,981	398,933
	Escapement	339,400	163,200	502,600			
	Total	708,902	342,692	1,051,594			
2014	Catch	65,095	46,693	111,788	220,436	169,703	390,139
	Escapement	177,370	136,175	313,545			
	Total	242,465	182,868	425,333			

<sup>a</sup> Catch includes any salmon (usually very few) caught in the Southeastern District Mainland in June which are considered local.

<sup>b</sup> Catch numbers do not include test fish or subsistence harvests.

Appendix A12.—South Alaska Peninsula commercial salmon harvest, all gear combined, by species and day, 2014.

Date	Permits	Landings	Number of salmon <sup>a</sup>					Total
			Chinook	Sockeye	Coho	Pink	Chum	
7-Jun	30	54	45	4,585	0	467	3,534	8,631
8-Jun	28	42	13	4,355	0	211	2,301	6,880
9-Jun	31	47	21	4,131	0	223	2,940	7,315
10-Jun	155	207	186	19,718	0	8,580	41,885	70,369
11-Jun	81	95	62	11,272	0	3,824	14,253	29,411
12-Jun	139	177	54	26,304	0	11,198	25,730	63,286
13-Jun	124	163	33	20,490	4	2,404	15,636	38,567
14-Jun	34	48	1	6,277	0	66	1,343	7,687
15-Jun	142	216	133	39,351	0	11,793	30,481	81,758
16-Jun	90	100	133	22,428	0	12,127	21,598	56,286
17-Jun	137	192	88	40,660	5	6,281	25,784	72,818
18-Jun	111	176	80	49,505	489	11,474	31,011	92,559
19-Jun	45	75	3	13,239	0	186	4,292	17,720
20-Jun	152	228	215	74,269	23	29,426	47,355	151,288
21-Jun	74	83	123	31,942	3	16,060	23,096	71,224
22-Jun	92	116	179	38,138	61	19,744	25,087	83,209
23-Jun	99	136	106	44,981	56	16,759	19,426	81,328
24-Jun	44	82	4	24,283	30	59	1,107	25,483
25-Jun	46	58	347	36,973	35	2,040	2,523	41,918
26-Jun	44	44	144	44,875	203	10,166	12,322	67,710
27-Jun	77	94	140	48,030	767	9,710	23,045	81,692
28-Jun	75	92	180	39,584	697	7,275	14,531	62,267
29-Jun	37	63	0	13,823	105	187	859	14,974
30-Jun	b							
1-Jul	b							
2-Jul	c	1	0	1,542	354	506	1,238	3,640
3-Jul	c	1	73	985	289	289	1,766	3,402
4-Jul	b							
5-Jul	c	1		426	314	182	266	1,188
6-Jul		81	1,026	75,763	35,320	5,897	31,687	149,693
7-Jul		47	265	27,208	8,113	1,470	3,096	40,152
8-Jul	b							
9-Jul	b							
10-Jul		74	136	974	92,302	18,967	10,233	129,191
11-Jul		51	70	478	47,007	10,418	3,927	64,922
12-Jul	b							
13-Jul	b							
14-Jul		72	116	203	96,540	11,419	15,625	131,069
15-Jul		75	103	387	87,281	29,181	16,621	141,954
16-Jul	b							
17-Jul	b							
18-Jul		89	151	441	64,507	28,436	7,282	125,937
19-Jul		81	103	504	49,688	25,467	25,167	106,897
20-Jul	b							

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			Number of salmon <sup>a</sup>						
Date		Permits	Landings	Chinook	Sockeye	Coho	Pink	Chum	Total
21-Jul	b								
22-Jul		98	140	491	45,189	22,873	59,612	10,489	138,654
23-Jul		81	105	35	34,531	22,768	27,693	4,731	89,758
24-Jul	b								
25-Jul	b								
26-Jul		91	124	83	31,624	24,484	54,035	5,976	116,202
27-Jul		75	109	12	29,794	11,901	54,044	3,907	99,658
28-Jul	b								
29-Jul	b								
30-Jul		87	128	78	28,160	14,247	94,566	7,595	144,646
31-Jul		72	89	8	25,522	4,625	92,363	4,118	126,636
1-Aug	b								
2-Aug	b								
3-Aug	b								
4-Aug	b								
5-Aug	b								
6-Aug	b								
7-Aug	b								
8-Aug	b								
9-Aug	b								
10-Aug	b								
11-Aug	b								
12-Aug	b								
13-Aug	b								
14-Aug	b								
15-Aug	b								
16-Aug	d								
17-Aug	d								
18-Aug	d								
19-Aug	d								
20-Aug	d								
21-Aug		3	3	0	2	11	13,823	28	13,864
22-Aug									
23-Aug									
24-Aug									
25-Aug									
26-Aug									
27-Aug									
28-Aug									
29-Aug									
30-Aug									
31-Aug									

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Date	Permits	Landings	Number of salmon <sup>a</sup>					Total
			Chinook	Sockeye	Coho	Pink	Chum	
1-Sep	21	31	2	6,122	2,744	5	168	9,041
2-Sep	19	34	0	6,707	5,295	1	99	12,102
3-Sep	18	25	1	4,345	2,806	7	17	7,176
4-Sep	12	20	0	3,402	3,091	2	17	6,512
5-Sep	15	26	0	3,057	2,977	0	36	6,070
6-Sep <sup>b</sup>								
7-Sep <sup>b</sup>								
8-Sep	18	21	1	2,301	2,252		21	4,575
9-Sep	19	25	1	2,645	2,104	4	25	4,779
10-Sep	20	31	0	2,168	2,671	0	33	4,872
11-Sep	12	13	0	710	836	0	8	1,554
12-Sep <sup>d</sup>								
13-Sep <sup>b</sup>								
14-Sep <sup>b</sup>								
15-Sep	4	5	0	96	457	0	0	553
16-Sep	7	7	0	158	273	0	0	431
17-Sep	5	5	0	241	455	0	0	696
18-Sep <sup>d</sup>								
Total	249	4,404	7,354	1,429,515	297,816	722,220	505,199	2,962,104

<sup>a</sup> Harvest information includes commercial and test fishery harvest, but excludes personal use harvest.

<sup>b</sup> Fishery closed.

<sup>c</sup> Includes harvest from the departments test fishery.

<sup>d</sup> Confidential information.

Appendix A13.—South Alaska Peninsula commercial salmon harvest by species, statistical area, section, and district, 2014.

Statistical		Number of salmon					
Area	Section	Chinook	Sockeye	Coho	Pink	Chum	Total
Southeastern District							
281-15	Kupreanof Point	1	79	112	0	5	197
281-25	Island/ Fox Bay	0	10,303	10,778	5	207	21,293
East Stepovak Section Total		1	10,382	10,890	5	212	21,490
281-30	Stepovak Flats Section	0	0	0	0	0	0
281-40	Grub Gulch/Clark Bay	0	1,708	1,036	0	11	2,755
281-50	Orzinski Bay	0	0	0	0	0	0
281-55	American Bay	1	2,127	720	1	31	2,880
281-62	Chichagof Bay	0	2,423	800	0	36	3,259
281-65	Suzy Creek/West Cove	0	278	279	0	0	557
281-67	Dorenoi Bay	0	2,830	1,047	2	27	3,906
Northwest Stepovak Section Total		1	9,366	3,882	3	105	13,357
281-70	Southwest Stepovak Section	2	5,662	1,936	1	70	7,671
281-80	Balboa Bay Section	0	4,245	2,217	0	1	6,463
281-90	Beaver Bay Section	0	0	0	0	0	0
282-10	Popof Strait/Squaw Harbor	546	22,374	9,658	14,627	10,002	57,207
282-11	Unga Cape/East Popof	3,783	142,136	53,262	100,538	147,984	447,703
282-20	Acheredin Bay	30	56,945	1,307	7,448	2,881	68,611
282-25	West Unga Island	114	137,613	9,320	59,224	8,254	214,525
282-30	Bay Point	143	1,355	1,267	1,782	917	5,464
282-32	Outer Zachary Bay	0	3	0	6,664	765	7,432
282-35	Zachary Bay	1	1,819	239	39,476	8,282	49,817
282-40	East Head/West Head	24	5,668	1,138	8,909	7,451	23,190
282-42	Korovin Island	418	65,965	4,014	19,801	26,792	116,990
282-45	Northeast Nagai Island	17	7,328	946	15,230	1,968	25,489
282-50	Koniuju Islands	0	0	0	0	0	0
282-65	Southeast Nagai Island	117	90,129	5,993	17,036	7,620	120,895
282-70	Southwest Nagai Island	172	70,335	4,278	10,022	3,400	88,207
282-75	Cape Horn/Porpoise Rocks	8	28,687	1,557	20,602	1,167	52,021
282-80	East Nagai Straits	1	5,386	0	30	691	6,108
Shumagin Islands Section Total		5,374	635,743	92,979	321,389	228,174	1,283,659
Southeastern District Total		5,378	665,398	111,904	321,398	228,562	1,332,640
Percent of total South Peninsula salmon harvest							45.2%

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Statistical		Number of Salmon					
Area	Section	Chinook	Sockeye	Coho	Pink	Chum	Total
South Central District							
283-15	Mino Creek	0	0	0	0	0	0
283-17	Little Coal Bay	4	11,039	153	15,065	841	27,102
Mino Cr. - Little Coal B. Section		4	11,039	153	15,065	841	27,102
283-20	Ukolnoi Island	0	146	0	1	1	148
283-21	Northside Cape Tolstoi	5	10,027	22	5,786	224	16,064
283-23	Eastside Pavlof Bay	2	17,630	504	17,953	1,168	37,257
East Pavlof Bay Section total		7	27,803	526	23,740	1,393	53,469
283-24	Canoe Bay Section	0	0	0	0	0	0
283-25	Northwest Pavlof Bay	0	1,612	6	286	62	1,966
283-26	Long Beach/Ukolnoi	139	98,858	4,241	36,686	4,520	144,444
West Pavlof Bay Section total		139	100,470	4,247	36,972	4,582	146,410
South Central District total		150	139,312	4,926	75,777	6,816	226,981
Percent of total South Peninsula salmon harvest							7.7%
Southwestern District							
284-36	Volcano Bay	0	497	114	632	65	1,308
284-37	Northside Dolgoi Island	92	94,841	3,457	22,839	6,551	127,780
284-38	South Dolgoi/Moss Cape	28	38,112	786	11,393	1,276	51,595
284-39	Poperechnoi	0	7,335	377	6,155	129	13,996
Volcano Bay Section total		120	140,785	4,734	41,019	8,021	194,679
284-42	Belkofski Bay	24	26,111	236	13,962	942	41,275
284-45	King Cove	3	15,319	453	24,806	660	41,241
Belkofski Bay Section total		27	41,430	689	38,768	1,602	82,516
284-55	Deer Island Section	3	12,321	137	65,806	1,741	80,008
284-62	Outer Cold Bay	0	8,167	1,713	394	571	10,845
284-65	Lenard Harbor	0	2,949	0	0	0	2,949
284-67	Upper Cold Bay	0	3,451	133	127	115	3,826
Cold Bay Section total		0	14,567	1,846	521	686	17,620
284-47	General Section	3	9,175	0	182	712	10,072
284-70	General Section	1	809		39	209	1,058
General Section total		3	12,321	137	65,806	1,741	80,008
284-75	Thin Point Section	0	212	312	37	104	665
284-80	Morzhovoi Bay Section	0	50	3,246	6	1	3,303
284-90	Ikatan Bay Section	461	127,361	19,074	27,573	51,132	225,601
Southwestern District total		612	337,535	30,038	173,769	63,496	605,450
Percent of total South Peninsula salmon harvest							20.6%

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Statistical		Number of salmon					
Area	Section	Chinook	Sockeye	Coho	Pink	Chum	Total
Unimak District							
285-10	Sanak Island Section	0	1,653	2,798	1,198	819	6,468
285-20	Otter Cove	41	27,236	8,347	17,245	11,060	63,929
285-30	Cape Lazaref	147	36,494	12,439	15,235	24,754	89,069
Otter Cove Section total		188	63,730	20,786	32,480	35,814	152,998
285-40	Cape Lutke Section	948	209,434	126,367	116,352	162,226	615,327
Unimak District total		1,136	274,817	149,951	150,030	198,859	774,793
Percent of total South Peninsula salmon harvest							26.3%
South Peninsula total		7,279	1,426,237	296,819	721,156	498,445	2,949,936

Appendix A14.—South Alaska Peninsula commercial salmon harvest by species, district, and gear, 2014.

	Number of salmon						Percent of harvest
	Chinook	Sockeye	Coho	Pink	Chum	Total	
Southeastern District							
Seine	4,967	373,959	77,884	274,322	194,688	925,820	69.5%
Set gillnet	411	291,439	34,020	47,076	33,874	406,820	30.5%
Total	5,378	665,398	111,904	321,398	228,562	1,332,640	100.0%
South Central District							
Seine	126	61,351	2,125	70,427	2,822	136,851	60.3%
Drift gillnet	0	0	0	0	0	0	0.0%
Set gillnet	24	77,961	2,801	5,350	3,994	90,130	39.7%
Total	150	139,312	4,926	75,777	6,816	226,981	100.0%
Southwestern District							
Seine	426	122,946	11,901	145,789	24,404	305,466	49.6%
Drift gillnet	116	114,334	15,810	15,418	30,145	175,823	28.6%
Set gillnet	73	109,430	2,327	12,744	9,659	134,233	21.8%
Total	615	346,710	30,038	173,951	64,208	615,522	100.0%
Unimak District							
Seine	801	76,720	105,273	111,815	114,113	408,722	52.8%
Drift gillnet	335	197,442	44,678	38,215	84,648	365,318	47.2%
Set gillnet	0	655	0	0	98	753	0.1%
Total	1,136	274,817	149,951	150,030	198,859	774,793	100.0%
South Peninsula total							
Seine	6,320	634,976	197,183	602,353	336,027	1,776,859	60.2%
Drift gillnet	451	311,776	60,488	53,633	114,793	541,141	18.3%
Set gillnet	508	479,485	39,148	65,170	47,625	631,936	21.4%
Total	7,279	1,426,237	296,819	721,156	498,445	2,949,936	100.0%

Appendix A15.–South Peninsula emergency order summary, 2014.

E.O.#	Issued	Effective	Action Taken
SP-01	9:30 AM 6/1/14	6:00 AM 6/7/14	<u>Allows</u> four 88-hour and one 64-hour fishing periods for set gillnet gear and four 88-hour commercial salmon fishing periods for drift gillnet and seine gear in the South Unimak and Shumagin Islands June fisheries.
CB-01	9:30 AM 6/27/14	6:00 AM 6/30/14	<u>Allows</u> an 84-hour commercial salmon fishing period from 6:00 AM Monday, June 30 until 6:00 PM Thursday, July 3 in the Urilia Bay Section of the Northwestern District.
SP-02	4:30 PM 7/5/14	6:00 AM 7/6/14	<u>Allows</u> a 33-hour commercial salmon fishing period from 6:00 AM Sunday, July 6 until 3:00 PM Monday June 7 in the Unimak, Southwestern, and South Central districts and the Shumagin Islands Section of the Southeastern District.
SP-03	10:00 AM 7/7/14	12:01 AM 7/8/14	<u>Reduces</u> the closed waters of Reese Bay to the stream outlet terminus of McLees Lake to subsistence salmon fishing from 12:01 AM Tuesday July 8 until further notice.
SP-04	10:30 AM 7/9/14	6:00 PM 7/10/14	<u>Allows</u> a 36-hour commercial salmon fishing period from 6:00 AM Thursday, July 10 until 6:00 PM Friday, July 11 in the Unimak, Southwestern, and South Central districts and the Shumagin Island Section of the Southeastern District.
CB-02	12:00 PM 7/10/14	6:00 AM 7/14/14	<u>Allows</u> an 84-hour commercial salmon fishing period from 6:00 AM Saturday, July 12 until 6:00 PM Tuesday, July 15 in the Urilia Bay Section of the Northwestern District.
SP-05	8:30 AM 7/13/14	6:00 AM 7/14/14	<u>Allows</u> a 36-hour commercial salmon fishing period from 6:00 AM Monday, July 14 until 6:00 PM Tuesday, July 15 in the Unimak, Southwestern, and South Central districts and the Shumagin Island Section of the Southeastern District.
SP-06	10:30 AM 7/9/14	6:00 AM 7/18/14	<u>Allows</u> a 36-hour commercial salmon fishing period from 6:00 AM Friday, July 18 until 6:00 PM Saturday, July 19 in the Unimak, Southwestern, and South Central districts and the Shumagin Island Section of the Southeastern District.
CB-03	12:00 PM 7/19/14	6:00 AM 7/22/14	<u>Allows</u> an 84-hour commercial salmon fishing period from 6:00 AM Saturday, July 19 until 6:00 PM Tuesday, July 22 in the Urilia Bay Section of the Northwestern District.
SP-07	4:30 PM 7/20/14	6:00 AM 7/22/14	<u>Allows</u> a 36-hour commercial salmon fishing period from 6:00 AM Tuesday, July 22 until 6:00 PM Wednesday, July 23 in the Unimak, Southwestern, and South Central districts and the Shumagin Island Section of the Southeastern District.
SP-08	8:30 AM 7/25/14	6:00 AM 7/26/14	<u>Allows</u> a 36-hour commercial salmon fishing period from 6:00 AM Saturday, July 26 until 6:00 PM Sunday, July 27 in the Unimak, Southwestern, and South Central districts and the Shumagin Island Section of the Southeastern District.

-continued-

E.O.#	Issued	Effective	Action Taken
CB-04	12:00 PM 7/27/14	6:00 AM 7/28/14	<u>Allows</u> an 84-hour commercial salmon fishing period from 6:00 AM Monday, July 28 until 6:00 PM Sunday, July 31 in the Urilia Bay Section of the Northwestern District.
SP-09	4:30 PM 7/28/14	6:00 AM 7/30/14	<u>Allows</u> a 36-hour commercial salmon fishing period from 6:00 AM Wednesday, July 30 until 6:00 PM Thursday, July 31 in the Unimak, Southwestern, and South Central districts and the Shumagin Island Section of the Southeastern District.
CB-05	12:00 PM 8/1/14	6:00 AM 8/2/14	<u>Allows</u> a commercial salmon fishing period from 6:00 AM Saturday, August 2 until further notice in the Urilia Bay Section of the Northwestern District.
SP-10	10:00 AM 8/14/14	8:00 AM 8/16/14	<u>Allows</u> a commercial salmon fishing period from 8:00 AM Saturday, August 16 until further notice in the Deer Island Section of the Southwestern District.
SP-11	4:30 PM 8/20/14	8:00 AM 8/24/14	<u>Allows</u> a 60-hour commercial salmon fishing period from 8:00 PM Sunday, August 24 until 8:00 PM Tuesday, August 26 in the Aleutian Islands Area.
CB-06	12:00 PM 8/28/14	6:00 AM 9/1/14	<u>Allows</u> an 84-hour commercial salmon fishing period from 6:00 AM Monday, September 1 until 6:00 PM Thursday, September 4 in Izembek-Moffet Bay Section of the Northwestern District.
SP-12	8:00 AM 8/29/14	9:00 AM 9/1/14	<u>Establishes</u> a 59-hour commercial salmon fishing period from 9:00 AM Monday, September 1 until 8:00 PM Wednesday, September 3 in the Unimak, Southwestern (excluding Volcano Bay north of a line extending from Arch Point at 55° 12.30' N. lat, 161° 54.30' W. long to Moss Cape at 55°09.50' N. lat, 161°57.70, as well as waters in the Belkofski Bay north of a line extending from Belkofski Point at 55° 04.31' N. lat, 162° 03.40' W. long to Bold Cape at 55°01.62' N. lat, 162°13.23' W. long), South Central, and Southeastern districts.
SP-13	9:00 AM 9/3/14	8:00 PM 9/3/14	<u>Extends</u> the commercial salmon fishing period for 48 hours from 8:00 PM Wednesday, September 3 until 8:00 PM Friday, September 5 in the Unimak, Southwestern (excluding Volcano Bay north of a line extending from Arch Point at 55° 12.30' N. lat, 161° 54.30' W. long to Moss Cape at 55°09.50' N. lat, 161°57.70, as well as waters in the Belkofski Bay north of a line extending from Belkofski Point at 55° 04.31' N. lat, 162° 03.40' W. long to Bold Cape at 55°01.62' N. lat, 162°13.23' W. long), South Central, and Southeastern districts.

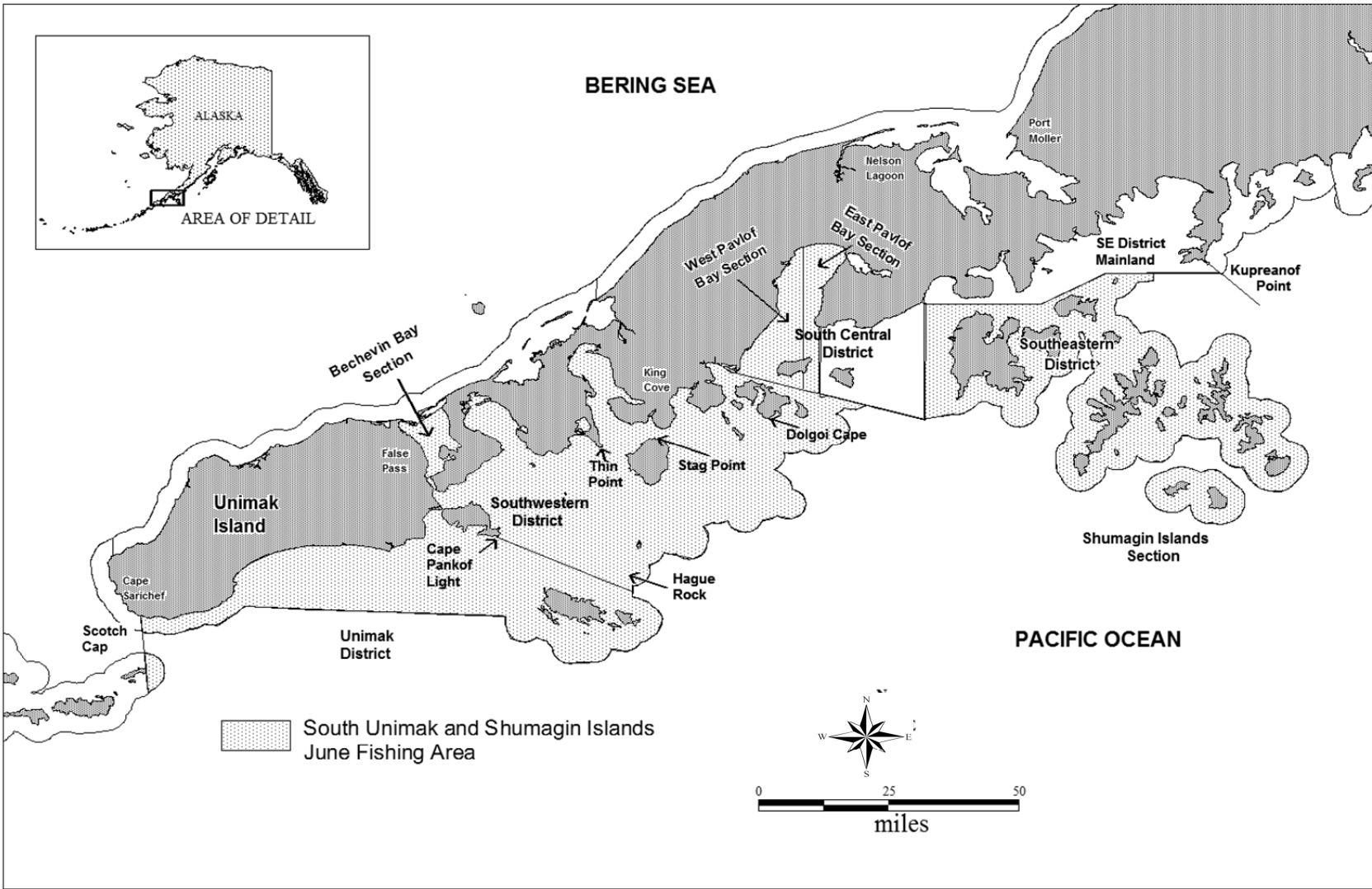
-continued-

E.O.#	Issued	Effective	Action Taken
SP-14	10:30 AM 9/5/14	8:00 PM 9/5/14	<u>Establishes</u> a 59-hour commercial salmon fishing period from 9:00 AM Monday, September 8 until 8:00 PM Wednesday, September 10 in the Unimak, Southwestern, South Central, and Southeastern districts.
SP-15	8:00 AM 9/6/14	9:00 AM 9/8/14	<u>Establishes</u> a 59-hour commercial salmon fishing period from 9:00 AM Monday, September 8 until 8:00 PM Wednesday, September 10 in the Unimak, Southwestern, South Central, and Southeastern districts.
SP-16	9:00 AM 9/6/14	6:00 AM 9/8/14	<u>Allows</u> an 84-hour commercial salmon fishing period from 6:00 AM Monday, September 8 until 6:00 PM Thursday, September 11 in the Izembek-Moffet Bay Section of the Northwestern District.
SP-17	9:00 AM 9/10/14	8:00 PM 9/10/14	<u>Extends</u> the commercial salmon fishing period for 48 hours from 8:00 PM Wednesday, September 10 until 8:00 PM Friday, September 12 in the Unimak, Southwestern, South Central, and Southeastern districts.
SP-18	8:00 AM 9/13/14	9:00 AM 9/15/14	<u>Establishes</u> a 59-hour commercial salmon fishing period from 9:00 AM Monday, September 15 until 8:00 PM Wednesday, September 17 in the Unimak, Southwestern, South Central, and Southeastern districts.
SP-19	9:30 AM 9/17/14	8:00 PM 9/17/14	<u>Extends</u> the commercial salmon fishing period for 48 hours from 8:00 PM Wednesday, September 17 until 8:00 PM Friday, September 19 in the Unimak, Southwestern, South Central, and Southeastern districts.
SP-20	8:00 AM 9/20/14	9:00 AM 9/22/14	<u>Establishes</u> a 59-hour commercial salmon fishing period from 9:00 AM Monday, September 22 until 8:00 PM Wednesday, September 24 in the Unimak, Southwestern, South Central, and Southeastern districts.

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**APPENDIX B. SOUTH UNIMAK AND SHUMAGIN  
ISLANDS JUNE FISHERIES**

Appendix B1.—Map of South Unimak and Shumagin Islands June fisheries with areas open to fishing defined.



Appendix B2.–South Unimak and Shumagin Islands June commercial sockeye and chum salmon harvest by year, 1971–2014.

Year	Sockeye <sup>a</sup>			Chum <sup>a</sup>		
	South Unimak	Shumagin Islands	Total	South Unimak	Shumagin Islands	Total
1971	422,760	39,341	462,101	405,311	103,886	509,197
1972	426,799	74,398	501,197	411,000	107,810	518,810
1973	222,124	22,964	245,088	177,720	22,910	200,630
1974 <sup>b</sup>						
1975	190,774	49,325	240,099	65,279	35,543	100,822
1976	231,568	72,016	303,584	336,161	74,109	410,270
1977	194,807	45,912	240,719	94,097	21,899	115,996
1978	418,935	67,876	486,811	103,413	18,479	121,892
1979	672,212	179,139	851,351	63,150	40,953	104,103
1980	2,731,148	475,127	3,206,275	458,499	50,366	508,865
1981	1,470,393	350,572	1,820,965	509,876	54,071	563,947
1982	1,668,153	450,548	2,118,701	933,728	161,316	1,095,044
1983	1,545,075	416,494	1,961,569	616,354	169,277	785,631
1984	1,131,365	256,838	1,388,203	227,913	109,207	337,120
1985	1,454,969	336,431	1,791,400	324,825	109,004	433,829
1986	315,370	156,027	471,397	252,721	99,048	351,769
1987	652,397	140,567	792,964	405,955	37,064	443,019
1988	474,457	282,230	756,687	464,765	61,946	526,711
1989	1,347,547	396,958	1,744,505	407,635	47,528	455,163
1990	1,088,944	255,585	1,344,529	455,044	63,501	518,545
1991	1,215,658	333,272	1,548,930	670,103	102,602	772,705
1992	2,046,022	411,834	2,457,856	323,891	102,312	426,203
1993	2,366,573	607,171	2,973,744	381,941	150,306	532,247
1994	1,001,250	460,013	1,461,263	374,409	207,756	582,165
1995	1,451,490	653,831	2,105,321	342,307	195,126	537,433
1996	572,495	456,475	1,028,970	129,889	229,931	359,820
1997	1,179,179	449,002	1,628,181	196,016	126,309	322,325
1998	974,628	314,097	1,288,725	195,454	50,165	245,619
1999	1,106,208	269,191	1,375,399	186,886	58,420	245,306
2000	892,016	359,212	1,251,228	168,888	70,469	239,357
2001	121,547	29,085	150,632	36,099	12,251	48,350
2002	356,157	234,949	591,106	201,211	177,606	378,817
2003	335,903	117,244	453,147	121,169	161,269	282,438
2004	531,955	816,118	1,348,073	130,626	351,683	482,309
2005	437,443	566,952	1,004,395	143,799	284,031	427,830
2006	491,053	441,238	932,291	96,016	203,811	299,827
2007	737,642	852,198	1,589,840	153,334	144,205	297,539
2008	1,064,570	649,005	1,713,575	284,449	126,483	410,932
2009	595,221	572,697	1,167,918	200,783	495,992	696,775
2010	487,880	330,985	818,865	100,427	171,273	271,700
2011	937,168	422,273	1,359,441	231,081	192,254	423,335
2012	899,710	628,308	1,528,018	211,700	180,605	392,305
2013	1,049,336	507,551	1,556,887	188,952	208,046	396,998
2014	419,731	239,482	659,213	220,436	169,703	390,139
1994–2013 Average						
	761,143	456,521	1,217,664	184,675	182,384	367,059
2004–2013 Average						
	723,198	578,733	1,301,930	174,117	235,838	409,955

<sup>a</sup> Does not include test fish harvests or personal use.

<sup>b</sup> The South Unimak and Shumagin Islands fisheries were closed in 1974 due to an anticipated weak Bristol Bay run.

Appendix B3.—Number and type of commercial salmon permits fished in the South Unimak and Shumagin Islands June fisheries, by year, 1971–2014.

Year	Permits			Total
	Purse seine	Drift gillnet	Set gillnet	
1971	37	122	8	167
1972	32	150	6	188
1973	16	121	6	143
1974 <sup>a</sup>				
1975	20	81	8	109
1976	25	108	14	147
1977	17	101	12	130
1978	23	120	16	159
1979	40	132	26	198
1980	68	129	29	226
1981	83	135	25	243
1982	90	138	23	251
1983	101	146	34	281
1984	101	147	32	280
1985	107	150	48	305
1986	99	156	43	298
1987	86	144	60	290
1988	90	148	63	301
1989	99	145	61	305
1990	109	153	58	320
1991	112	157	65	334
1992	112	141	68	321
1993	116	140	72	328
1994	114	145	65	324
1995	112	151	69	332
1996	99	147	67	313
1997	81	142	69	292
1998	64	145	74	283
1999	61	152	64	277
2000	70	149	59	278
2001	25	85	18	128
2002	36	86	59	181
2003	40	84	53	177
2004	38	95	57	190
2005	40	94	56	190
2006	36	85	67	188
2007	37	87	61	185
2008	38	109	49	196
2009	42	116	58	216
2010	52	117	56	225
2011	46	116	49	211
2012	45	121	61	227
2013	45	120	54	219
2014	46	125	58	229
1994–2013 Average				
	56	117	58	232
2004–2013 Average				
	42	106	57	205

<sup>a</sup> No fishery due to anticipated poor sockeye salmon runs to Bristol Bay.

Appendix B4.—South Unimak June commercial salmon harvest by species and year, 1971–2014.

Year	Permits	Landings	Number of salmon <sup>a</sup>					Total
			Chinook	Sockeye	Coho	Pink	Chum	
1971	147	1,685	549	422,760	0	11,608	405,311	840,228
1972	165	1,771	400	426,799	4	11,906	411,000	850,109
1973	132	922	145	222,124	11	11,152	177,720	411,152
1974	<sup>b</sup>							
1975	98	445	101	190,774	1	3,205	65,279	259,360
1976	131	1,184	1,827	231,568	3	18,181	336,161	587,740
1977	118	740	393	194,807	0	3,397	94,097	292,694
1978	140	1,337	267	418,935	3	47,380	103,413	569,998
1979	156	1,303	575	672,212	38	49,000	63,150	784,975
1980	188	1,666	2,927	2,731,148	853	1,140,611	458,499	4,334,038
1981	225	2,096	4,455	1,470,393	83	325,002	509,876	2,309,809
1982	225	2,313	5,577	1,668,153	1,241	1,032,154	933,728	3,640,853
1983	253	1,410	8,179	1,545,075	1	40,441	616,354	2,210,050
1984	226	814	2,024	1,131,365	0	470,688	227,913	1,831,990
1985	255	1,596	4,101	1,454,969	2	69,811	324,825	1,853,708
1986	236	1,093	1,363	315,370	1	150,674	252,721	720,129
1987	229	1,738	4,017	652,397	380	11,342	405,955	1,074,091
1988	211	1,144	2,125	474,457	11	86,678	464,765	1,028,036
1989	266	1,035	2,263	1,347,547	0	154,168	407,635	1,911,613
1990	266	2,133	8,464	1,088,944	1	444,249	455,044	1,996,702
1991	267	1,628	3,066	1,215,658	5	500,922	670,103	2,389,754
1992	273	1,597	2,373	2,046,022	3	501,127	323,891	2,873,416
1993	245	1,681	4,587	2,366,573	506	37,735	381,941	2,791,342
1994	265	1,927	4,468	1,001,250	1,271	1,731,741	374,409	3,113,139
1995	241	2,575	7,850	1,451,490	5,102	119,094	342,307	1,925,843
1996	230	1,797	1,228	572,495	11,730	146,799	129,889	862,141
1997	225	2,299	3,041	1,179,179	501	332,262	196,016	1,710,999
1998	196	2,432	1,259	974,628	312	125,906	195,454	1,297,559
1999	224	1,741	2,258	1,106,208	1	20,302	186,886	1,315,655
2000	242	2,587	2,064	892,016	303	210,521	168,888	1,273,792
2001	105	243	134	121,547	2	31,812	36,099	189,594
2002	119	783	433	356,157	3	33,789	201,211	591,593
2003	116	720	373	335,903	14	90,161	121,169	547,620
2004	<sup>c</sup>	1,325	670	531,955	159	78,808	130,626	742,218
2005	123	1,190	790	437,443	56	403,815	143,799	985,903
2006	121	1,239	1,472	491,053	432	186,096	96,016	775,069
2007	<sup>c,d</sup>	1,513	976	737,642	151	57,032	153,334	949,135
2008	139	1,871	1,317	1,064,570	152	800,265	284,449	2,150,753
2009	150	1,627	1,394	595,221	6	946,823	200,783	1,744,227
2010	152	1,394	1,474	487,880	1	190,649	100,427	780,431
2011	155	1,602	2,257	937,168	17	475,289	231,081	1,645,812
2012	156	2,253	4,554	899,710	10	169,896	211,700	1,285,870
2013	153	1,811	1,063	1,049,336	143	130,987	188,952	1,370,481
2014	168	1,538	1,021	419,731	2,056	127,390	220,436	770,634
1994–2013 Average								
	168	1,646	1,954	761,143	1,018	314,102	184,675	1,262,892
2004–2013 Average								
	140	1,583	1,597	723,198	113	343,966	174,117	1,242,990

<sup>a</sup> Does not include test fish harvests or personal use.

<sup>b</sup> South Unimak and Shumagin Islands fisheries were closed in 1974 due to an anticipated weak Bristol Bay run.

<sup>c</sup> In 2004 and 2007 fishing area was increased in the South Unimak fishery.

<sup>d</sup> Starting in 2007 drift gillnet area was increased to include the outside waters of the Southwestern District.

Appendix B5.—South Unimak June commercial salmon harvest, all gear combined, by species and day, 2014.

Date	Permits	Landings	Number of salmon					Total
			Chinook	Sockeye	Coho	Pink	Chum	
7-Jun	9	15	28	1,932	0	445	1,181	3,586
8-Jun	9	9	11	971	0	186	402	1,570
9-Jun	9	13	6	1,562	0	187	1,238	2,993
10-Jun	105	146	87	12,677	0	4,843	17,809	35,416
11-Jun	66	80	38	6,858	0	1,474	6,610	14,980
12-Jun	103	131	23	16,179	0	7,848	13,130	37,180
13-Jun	91	108	13	12,756	0	1,550	11,373	25,692
14-Jun	11	11	0	2,403	0	26	202	2,631
15-Jun	95	147	49	22,130	0	5,690	11,400	39,269
16-Jun	68	77	46	13,653	0	7,679	9,531	30,909
17-Jun	98	135	42	30,986	5	2,824	11,276	45,133
18-Jun	75	123	53	39,947	489	8,479	17,024	65,992
19-Jun	13	14	3	4,660	0	104	653	5,420
20-Jun	102	146	110	49,142	21	23,823	30,683	103,779
21-Jun	59	66	64	18,520	0	10,930	15,942	45,456
22-Jun	55	63	109	26,139	60	14,858	16,737	57,903
23-Jun	50	56	85	28,031	54	14,161	13,966	56,297
24-Jun	12	16	1	8,377	0	24	139	8,541
25-Jun	27	38	28	32,786	34	2,001	2,198	37,047
26-Jun	33	33	85	22,065	150	7,018	8,871	38,189
27-Jun	45	52	70	34,995	726	7,442	18,949	62,182
28-Jun	38	44	70	27,940	477	5,765	10,904	45,156
29-Jun	13	15	0	5,022	40	33	218	5,313
30-Jun <sup>a</sup>								
Total	168	1,538	1,021	419,731	2,056	127,390	220,436	770,634

<sup>a</sup> Closed to commercial salmon fishing.

Appendix B6.—South Unimak June commercial purse seine salmon harvest by species and day, 2014.

Date	Permits	Landings	Number of salmon					Total
			Chinook	Sockeye	Coho	Pink	Chum	
7-Jun	<sup>a</sup>							
8-Jun	<sup>a</sup>							
9-Jun	<sup>a</sup>							
10-Jun		3	3	6	474	0	3,288	3,638
11-Jun	<sup>b</sup>							
12-Jun		4	4	4	1,139	0	5,894	4,258
13-Jun	<sup>b</sup>							
14-Jun	<sup>a</sup>							
15-Jun		3	3	0	644	0	3,587	1,914
16-Jun		6	6	27	2,402	0	6,720	3,209
17-Jun	<sup>b</sup>							
18-Jun		5	5	13	2,828	0	6,786	6,605
19-Jun	<sup>a</sup>							
20-Jun		15	15	61	12,279	2	22,857	21,034
21-Jun		10	11	39	4,117	0	10,378	10,668
22-Jun		10	13	77	6,843	53	14,358	13,582
23-Jun		16	16	71	8,318	54	14,024	12,029
24-Jun	<sup>a</sup>							
25-Jun		6	7	17	11,059	14	1,785	1,239
26-Jun		12	12	77	13,287	133	6,846	7,433
27-Jun		11	11	43	11,796	633	7,149	16,943
28-Jun		15	15	67	10,791	423	5,685	9,828
29-Jun	<sup>a</sup>							
30-Jun	<sup>a</sup>							
Total		22	126	515	86,550	1,313	111,100	113,157

<sup>a</sup> Closed to commercial salmon fishing.

<sup>b</sup> Confidential information

Appendix B7.—South Unimak June commercial drift gillnet salmon harvest by species and day, 2014.

Date	Permits	Landings	Number of salmon					Total
			Chinook	Sockeye	Coho	Pink	Chum	
7-Jun	<sup>a</sup>							
8-Jun	<sup>a</sup>							
9-Jun	<sup>a</sup>							
10-Jun	96	137	65	11,452	0	1,500	13,806	26,823
11-Jun	64	78	25	6,681	0	774	6,185	13,665
12-Jun	89	114	17	13,222	0	1,883	8,554	23,676
13-Jun	76	88	8	8,825	0	1,108	10,361	20,302
14-Jun	<sup>a</sup>							
15-Jun	89	141	49	21,056	0	2,103	9,372	32,580
16-Jun	62	71	19	11,251	0	959	6,322	18,551
17-Jun	85	119	42	28,575	4	2,078	10,737	41,436
18-Jun	58	103	34	31,870	489	1,601	9,757	43,751
19-Jun	<sup>a</sup>							
20-Jun	76	119	49	33,148	19	931	9,374	43,521
21-Jun	49	55	25	14,403	0	552	5,274	20,254
22-Jun	32	36	30	14,066	7	485	2,879	17,467
23-Jun	26	29	11	13,362	0	107	1,642	15,122
24-Jun	<sup>a</sup>							
25-Jun	12	20	9	14,971	16	173	712	15,881
26-Jun	21	21	8	8,778	17	172	1,438	10,413
27-Jun	23	25	23	12,115	88	262	1,701	14,189
28-Jun	12	16	3	7,339	53	65	889	8,349
29-Jun	<sup>a</sup>							
30-Jun	<sup>a</sup>							
Total	124	1,172	417	251,114	693	14,753	99,003	365,980

<sup>a</sup> Closed to commercial salmon fishing.

Appendix B8.—South Unimak June commercial set gillnet salmon harvest by species and day, 2014.

Date	Permits	Landings	Number of salmon					Total
			Chinook	Sockeye	Coho	Pink	Chum	
7-Jun	9	15	28	1,932	0	445	1,181	3,586
8-Jun	9	9	11	971	0	186	402	1,570
9-Jun	9	13	6	1,562	0	187	1,238	2,993
10-Jun	6	6	16	751	0	55	365	1,187
11-Jun <sup>a</sup>								
12-Jun	10	13	2	1,818	0	71	318	2,209
13-Jun	14	19	5	3,914	0	108	729	4,756
14-Jun	11	11	0	2,403	0	26	202	2,631
15-Jun	3	3	0	430	0	0	114	544
16-Jun <sup>a</sup>								
17-Jun	11	14	0	2,032	0	37	470	2,539
18-Jun	12	15	6	5,249	0	92	662	6,009
19-Jun	13	14	3	4,660	0	104	653	5,420
20-Jun	11	12	0	3,715	0	35	275	4,025
21-Jun <sup>a</sup>								
22-Jun	13	14	2	5,230	0	15	276	5,523
23-Jun	8	11	3	6,351	0	30	295	6,679
24-Jun	12	16	1	8,377	0	24	139	8,541
25-Jun	9	11	2	6,756	4	43	247	7,052
26-Jun <sup>a</sup>								
27-Jun	11	16	4	11,084	5	31	305	11,429
28-Jun	11	13	0	9,810	1	15	187	10,013
29-Jun	13	15	0	5,022	40	33	218	5,313
30-Jun <sup>a</sup>								
Total	22	240	89	82,067	50	1,537	8,276	92,019

<sup>a</sup> Closed to commercial salmon fishing.

Appendix B9.—Shumagin Islands June commercial salmon harvest by species and year, 1971–2014.

Year	Permit	Landings	Number of salmon <sup>a</sup>					Total
			Chinook	Sockeye	Coho	Pink	Chum	
1971	31	301	279	39,341	1	7,632	103,886	151,139
1972	32	327	242	74,398	16	6,018	107,810	188,484
1973	21	120	102	22,964	17	8,278	22,910	54,271
1974	<sup>b</sup>							
1975	20	65	16	49,325	0	2,042	35,543	86,926
1976	30	201	305	72,016	0	5,643	74,109	152,073
1977	25	77	128	45,912	0	2,001	21,899	69,940
1978	30	232	267	67,876	0	42,562	18,479	129,184
1979	48	411	475	182,816	362	107,862	43,133	334,648
1980	54	378	266	475,127	0	385,695	50,366	911,454
1981	43	304	1,217	350,572	237	126,248	54,071	532,345
1982	48	299	1,554	450,548	0	686,671	161,316	1,300,089
1983	69	311	5,277	416,494	3	15,434	169,277	606,485
1984	99	303	1,830	256,838	14	449,188	109,207	817,077
1985	110	524	1,676	336,431	2,466	36,804	109,004	486,381
1986	72	393	532	156,027	1	141,315	99,048	396,923
1987	97	281	1,146	140,567	0	5,640	37,064	184,417
1988	97	633	1,939	282,230	244	93,546	61,946	439,905
1989	104	315	495	396,958	0	45,067	47,528	490,048
1990	95	585	1,868	255,585	0	70,798	63,501	391,752
1991	101	397	1,407	333,272	7	118,215	102,602	555,503
1992	103	328	1,387	411,834	1	140,963	102,312	656,497
1993	106	581	4,879	607,171	727	43,401	150,306	806,484
1994	106	824	3,122	460,013	308	760,773	207,756	1,431,972
1995	102	1,060	6,897	653,831	940	59,541	195,126	916,335
1996	111	879	1,617	456,475	1,489	230,885	229,931	920,397
1997	99	875	2,770	449,002	59	273,675	126,309	851,815
1998	91	1,225	1,437	314,097	164	348,434	50,165	714,297
1999	86	373	793	269,191	1	10,237	58,420	338,642
2000	86	414	785	359,212	1	149,508	70,469	579,975
2001	23	27	211	29,085	0	7,439	12,251	48,986
2002	64	518	2,010	234,949	1	42,462	177,606	457,028
2003	65	450	950	117,244	139	127,739	161,269	407,341
2004	67	935	3,753	816,118	462	281,108	351,683	1,453,124
2005	69	1,154	2,265	566,952	1,863	1,251,144	284,031	2,106,255
2006	69	1,173	3,025	441,238	2,197	1,146,223	203,811	1,796,494
2007	73	1,137	3,660	852,198	1,482	210,496	144,205	1,212,041
2008	64	720	1,640	649,005	26	1,171,003	126,483	1,948,157
2009	69	1,225	2,442	572,697	197	1,301,732	495,992	2,373,060
2010	77	768	1,644	330,985	26	141,786	171,273	645,714
2011	65	677	1,207	422,273	107	247,846	192,254	863,687
2012	76	839	1,817	628,308	2	89,716	180,605	900,448
2013	78	753	1,151	507,551	156	171,260	208,046	888,164
2014	79	1,050	1,269	239,482	422	52,870	169,703	463,746
1994–2013 Average								
	77	801	2,160	456,521	481	401,150	182,384	1,042,697
2004–2013 Average								
	71	938	2,260	578,733	652	601,231	235,838	1,370,632

<sup>a</sup> Does not include test fish harvests or personal use.

<sup>b</sup> South Unimak and Shumagin Islands fisheries were closed in 1974 due to an anticipated weak Bristol Bay run.

Appendix B10.–Shumagin Islands June commercial salmon harvest, all gear combined, by species and day, 2014.

Date	Permits	Landings	Number of salmon					Total
			Chinook	Sockeye	Coho	Pink	Chum	
7-Jun	21	39	17	2,653	0	22	2,353	5,045
8-Jun	19	33	2	3,384	0	25	1,899	5,310
9-Jun	22	34	15	2,569	0	36	1,702	4,322
10-Jun	50	61	99	7,041	0	3,737	24,076	34,953
11-Jun	15	15	24	4,414	0	2,350	7,643	14,431
12-Jun	36	46	31	10,125	0	3,350	12,600	26,106
13-Jun	33	55	20	7,734	4	854	4,263	12,875
14-Jun	23	37	1	3,874	0	40	1,141	5,056
15-Jun	47	69	84	17,221	0	6,103	19,081	42,489
16-Jun	22	23	87	8,775	0	4,448	12,067	25,377
17-Jun	39	57	46	9,674	0	3,457	14,508	27,685
18-Jun	36	53	27	9,558	0	2,995	13,987	26,567
19-Jun	32	61	0	8,579	0	82	3,639	12,300
20-Jun	50	82	105	25,127	2	5,603	16,672	47,509
21-Jun	15	17	59	13,422	3	5,130	7,154	25,768
22-Jun	37	53	70	11,999	1	4,886	8,350	25,306
23-Jun	49	80	21	16,950	2	2,598	5,460	25,031
24-Jun	32	66	3	15,906	30	35	968	16,942
25-Jun	19	20	319	4,187	1	39	325	4,871
26-Jun	11	11	59	22,810	53	3,148	3,451	29,521
27-Jun	32	42	70	13,035	41	2,268	4,096	19,510
28-Jun	37	48	110	11,644	220	1,510	3,627	17,111
29-Jun	24	48	0	8,801	65	154	641	9,661
30-Jun <sup>a</sup>								
Total	79	1,050	1,269	239,482	422	52,870	169,703	463,746

<sup>a</sup> Closed to commercial salmon fishing.

Appendix B11.–Shumagin Islands June commercial purse seine salmon harvest by species and day, 2014.

Date	Permits	Landings	Number of salmon					Total
			Chinook	Sockeye	Coho	Pink	Chum	
7-Jun	<sup>a</sup>							
8-Jun	<sup>a</sup>							
9-Jun	<sup>a</sup>							
10-Jun	27	27	91	5,326	0	3,722	23,427	32,566
11-Jun	15	15	24	4,414	0	2,350	7,643	14,431
12-Jun	14	14	30	5,745	0	3,317	12,151	21,243
13-Jun	8	8	7	1,762	4	797	3,033	5,603
14-Jun	<sup>a</sup>							
15-Jun	24	26	83	12,636	0	6,092	17,625	36,436
16-Jun	22	23	87	8,775	0	4,448	12,067	25,377
17-Jun	15	15	46	6,363	0	3,427	13,567	23,403
18-Jun	15	16	26	6,166	0	2,961	12,849	22,002
19-Jun	<sup>a</sup>							
20-Jun	20	20	103	16,337	0	5,519	15,236	37,195
21-Jun	15	17	59	13,422	3	5,130	7,154	25,768
22-Jun	10	10	70	6,633	1	4,844	7,765	19,313
23-Jun	16	16	17	6,637	2	2,549	4,772	13,977
24-Jun	<sup>a</sup>							
25-Jun	<sup>b</sup>							
26-Jun	11	11	59	22,810	53	3,148	3,451	29,521
27-Jun	11	11	70	9,280	17	2,189	3,665	15,221
28-Jun	16	16	110	7,095	193	1,446	3,273	12,117
29-Jun	<sup>a</sup>							
30-Jun	<sup>a</sup>							
Total	39	246	882	133,462	273	51,954	147,710	334,281

<sup>a</sup> Closed to commercial salmon fishing.

<sup>b</sup> Confidential information

Appendix B12.–Shumagin Islands June commercial set gillnet salmon harvest by species and day, 2014.

Date	Permits	Landings	Number of salmon					Total
			Chinook	Sockeye	Coho	Pink	Chum	
7-Jun	21	39	17	2,653		22	2,353	5,045
8-Jun	19	33	2	3,384		25	1,899	5,310
9-Jun	22	34	15	2,569		36	1,702	4,322
10-Jun	23	34	8	1,715		15	649	2,387
11-Jun <sup>a</sup>								
12-Jun	22	32	1	4,380		33	449	4,863
13-Jun	25	47	13	5,972		57	1,230	7,272
14-Jun	23	37	1	3,874		40	1,141	5,056
15-Jun	23	43	1	4,585		11	1,456	6,053
16-Jun <sup>a</sup>								
17-Jun	24	42		3,311		30	941	4,282
18-Jun	21	37	1	3,392		34	1,138	4,565
19-Jun	32	61		8,579		82	3,639	12,300
20-Jun	30	62	2	8,790	2	84	1,436	10,314
21-Jun <sup>a</sup>								
22-Jun	27	43		5,366		42	585	5,993
23-Jun	33	64	4	10,313		49	688	11,054
24-Jun	32	66	3	15,906	30	35	968	16,942
25-Jun	18	19	319	4,126	1	24	293	4,763
26-Jun <sup>a</sup>								
27-Jun	21	31		3,755	24	79	431	4,289
28-Jun	21	32		4,549	27	64	354	4,994
29-Jun	24	48		8,801	65	154	641	9,661
30-Jun <sup>a</sup>								
Total	40	804	387	106,020	149	916	21,993	129,465

<sup>a</sup> Closed to commercial salmon fishing.

Appendix B13.–South Unimak June fishery commercial sockeye salmon harvests in number of fish and percent by gear type and year, 1971–2014.

Year	Purse seine <sup>a</sup>		Drift gillnet <sup>a</sup>		Set gillnet <sup>a</sup>		Total
	Number	Percent	Number	Percent	Number	Percent	
1971	107,075	25.3	315,685	74.7	0	0.0	422,760
1972	53,173	12.5	373,618	87.5	8	0.0	426,799
1973	21,364	9.6	200,258	90.2	502	0.2	222,124
1974	<sup>b</sup>						
1975	43,703	22.9	146,918	77.0	153	0.1	190,774
1976	40,334	17.4	190,256	82.2	978	0.4	231,568
1977	29,698	15.2	164,165	84.3	944	0.5	194,807
1978	77,221	18.4	339,295	81.0	2,419	0.6	418,935
1979	474,381	70.6	196,482	29.2	1,349	0.2	672,212
1980	2,086,038	76.4	631,975	23.1	13,135	0.5	2,731,148
1981	745,747	50.7	693,166	47.1	31,480	2.1	1,470,393
1982	902,804	54.1	745,616	44.7	19,733	1.2	1,668,153
1983	935,003	60.5	599,152	38.8	10,920	0.7	1,545,075
1984	716,685	63.3	403,582	35.7	11,098	1.0	1,131,365
1985	891,775	61.3	553,558	38.0	9,636	0.7	1,454,969
1986	147,380	46.7	162,950	51.7	5,040	1.6	315,370
1987	238,193	36.5	401,215	61.5	12,989	2.0	652,397
1988	141,410	29.8	317,818	67.0	15,229	3.2	474,457
1989	800,949	59.4	512,522	38.0	34,076	2.5	1,347,547
1990	<sup>c</sup>						
1991	619,391	56.9	452,484	41.6	17,069	1.6	1,088,944
1992	650,461	53.5	539,490	44.4	25,707	2.1	1,215,658
1993	1,192,202	58.3	765,752	37.4	88,068	4.3	2,046,022
1994	1,397,481	59.1	902,788	38.1	66,304	2.8	2,366,573
1995	573,247	57.3	371,103	37.1	56,900	5.7	1,001,250
1996	611,453	42.1	792,940	54.6	47,097	3.2	1,451,490
1997	127,366	22.2	421,882	73.7	23,247	4.1	572,495
1998	174,536	14.8	896,638	76.0	108,005	9.2	1,179,179
1999	70,263	7.2	856,265	87.9	48,100	4.9	974,628
2000	232,779	21.0	836,876	75.7	36,553	3.3	1,106,208
2001	114,831	12.9	722,855	81.0	54,330	6.1	892,016
2002	17,159	14.1	95,547	78.6	8,841	7.3	121,547
2003	72,569	20.4	254,657	71.5	28,931	8.1	356,157
2004	58,813	17.5	245,657	73.1	31,433	9.4	335,903
2005	90,465	17.0	369,011	69.4	72,479	13.6	531,955
2006	89,607	20.5	227,206	51.9	120,630	27.6	437,443
2007	114,760	23.4	228,924	46.6	147,369	30.0	491,053
2008	108,659	14.7	560,544	76.0	68,439	9.3	737,642
2009	256,971	24.1	762,898	71.7	44,701	4.2	1,064,570
2010	174,467	29.3	350,382	58.9	70,372	11.8	595,221

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Year	Purse seine <sup>a</sup>		Drift gillnet <sup>a</sup>		Set gillnet <sup>a</sup>		Total
	Number	Percent	Number	Percent	Number	Percent	
2010	171,300	35.1	285,070	58.4	31,510	6.5	487,880
2011	358,476	38.3	542,148	57.8	36,544	3.9	937,168
2012	175,964	19.6	683,836	76.0	39,910	4.4	899,710
2013	206,923	19.7	796,574	75.9	45,839	4.4	1,049,336
2014	86,550	20.6	251,114	59.8	82,067	19.6	419,731
1994–2013 Average							
	190,030	23.6	515,051	67.6	56,062	8.8	761,143
2004–2013 Average							
	174,759	24.2	480,659	64.3	67,779	11.6	723,198

<sup>a</sup> Does not include test fish harvests.

<sup>b</sup> No fishery due to anticipated poor sockeye salmon runs to Bristol Bay.

<sup>c</sup> Gear depth limitations in effect beginning in 1990.

Appendix B14.–South Unimak June fishery commercial chum salmon harvests in number of fish and percent by gear type and year, 1971–2014.

Year	Purse seine <sup>a</sup>		Drift gillnet <sup>a</sup>		Set gillnet <sup>a</sup>		Total
	Number	Percent	Number	Percent	Number	Percent	
1971	79,044	19.5	326,267	80.5	0	0.0	405,311
1972	38,365	9.3	372,635	90.7	0	0.0	411,000
1973	11,746	6.6	165,753	93.3	221	0.1	177,720
1974	<sup>b</sup>						
1975	18,833	28.9	46,446	71.1	0	0.0	65,279
1976	47,623	14.2	288,300	85.8	238	0.1	336,161
1977	9,852	10.5	84,052	89.3	193	0.2	94,097
1978	10,210	9.9	93,115	90.0	88	0.1	103,413
1979	19,007	30.1	44,051	69.8	92	0.1	63,150
1980	363,360	79.2	94,900	20.7	239	0.1	458,499
1981	323,817	63.5	184,586	36.2	1,473	0.3	509,876
1982	430,661	46.1	501,282	53.7	1,785	0.2	933,728
1983	405,903	65.9	209,600	34.0	851	0.1	616,354
1984	137,110	60.2	90,498	39.7	305	0.1	227,913
1985	125,813	38.7	198,361	61.1	651	0.2	324,825
1986	110,666	43.8	141,299	55.9	756	0.3	252,721
1987	155,447	38.3	247,934	61.1	2,574	0.6	405,955
1988	155,895	33.5	305,967	65.8	2,903	0.6	464,765
1989	212,310	52.1	192,650	47.3	2,675	0.7	407,635
1990	<sup>c</sup>						
1990	263,532	57.9	190,002	41.8	1,510	0.3	455,044
1991	410,034	61.2	256,132	38.2	3,937	0.6	670,103
1992	204,717	63.2	115,401	35.6	3,773	1.2	323,891
1993	252,798	66.2	120,820	31.6	8,323	2.2	381,941
1994	239,286	63.9	129,530	34.6	5,593	1.5	374,409
1995	161,199	47.1	172,715	50.5	8,393	2.5	342,307
1996	41,516	32.0	86,103	66.3	2,270	1.7	129,889
1997	58,999	30.1	127,646	65.1	9,371	4.8	196,016
1998	26,777	13.7	162,566	83.2	6,111	3.1	195,454
1999	52,314	28.0	128,723	68.9	5,849	3.1	186,886
2000	46,728	27.7	114,812	68.0	7,348	4.4	168,888
2001	5,701	15.8	28,651	79.4	1,747	4.8	36,099
2002	46,036	22.9	145,079	72.1	10,096	5.0	201,211
2003	23,435	19.3	92,730	76.5	5,004	4.1	121,169
2004	18,142	13.9	109,227	83.6	3,257	2.5	130,626
2005	26,253	18.3	112,144	78.0	5,402	3.8	143,799
2006	7,479	7.8	83,752	87.2	4,785	5.0	96,016
2007	34,534	22.5	115,461	75.3	3,339	2.2	153,334
2008	96,576	34.0	181,758	63.9	6,115	2.1	284,449
2009	85,945	42.8	105,764	52.7	9,074	4.5	200,783

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Year	Purse seine <sup>a</sup>		Drift gillnet <sup>a</sup>		Set gillnet <sup>a</sup>		Total
	Number	Percent	Number	Percent	Number	Percent	
2010	25,144	25.0	70,358	70.1	4,925	4.9	100,427
2011	142,028	61.5	74,990	32.5	14,063	6.1	231,081
2012	75,087	35.5	134,350	63.5	2,263	1.1	211,700
2013	83,100	44.0	103,912	55.0	1,940	1.0	188,952
2014	113,157	51.3	99,003	44.9	8,276	3.8	220,436
1994–2013 Average							
	64,814	30.3	114,014	66.3	6,053	3.4	184,675
2004–2013 Average							
	59,429	30.5	109,172	66.2	5,516	3.3	174,117

<sup>a</sup> Does not include test fish harvests.

<sup>b</sup> No fishery due to anticipated poor sockeye salmon runs to Bristol Bay.

<sup>c</sup> Gear depth limitations in effect beginning in 1990.

Appendix B15.–Shumagin Islands June fishery commercial sockeye salmon harvests in number of fish and percent by gear type and year, 1971–2014.

Year	Purse seine <sup>a</sup>		Set gillnet <sup>a</sup>		Total	
	Number	Percent	Number	Percent		
1971	35,176	89.4	4,165	10.6	39,341	
1972	72,069	96.9	2,329	3.1	74,398	
1973	20,047	87.3	2,917	12.7	22,964	
1974	b					
1975		48,065	97.4	1,260	2.6	49,325
1976		68,755	95.5	3,261	4.5	72,016
1977		43,579	94.9	2,333	5.1	45,912
1978		65,826	97.0	2,050	3.0	67,876
1979		165,605	92.4	13,534	7.6	179,139
1980		458,069	96.4	17,058	3.6	475,127
1981		332,300	94.8	18,272	5.2	350,572
1982		438,420	97.3	12,128	2.7	450,548
1983		405,757	97.4	10,737	2.6	416,494
1984	243,136	94.7	13,702	5.3	256,838	
1985	318,878	94.8	17,553	5.2	336,431	
1986	132,580	85.0	23,447	15.0	156,027	
1987	106,799	76.0	33,768	24.0	140,567	
1988	203,391	72.1	78,839	27.9	282,230	
1989	360,860	90.9	36,098	9.1	396,958	
1990	c	217,968	85.3	37,617	14.7	255,585
1991		268,539	80.6	64,733	19.4	333,272
1992		374,258	90.9	37,576	9.1	411,834
1993		531,258	87.5	75,913	12.5	607,171
1994		346,923	75.4	113,090	24.6	460,013
1995		532,952	81.5	120,879	18.5	653,831
1996		342,317	75.0	114,158	25.0	456,475
1997		338,803	75.5	110,199	24.5	449,002
1998		155,216	49.4	158,881	50.6	314,097
1999		200,108	74.3	69,083	25.7	269,191
2000		277,974	77.4	81,238	22.6	359,212
2001		24,705	84.9	4,380	15.1	29,085
2002		180,135	76.7	54,814	23.3	234,949
2003		82,608	70.5	34,636	29.5	117,244
2004		608,775	74.6	207,343	25.4	816,118
2005		347,114	61.2	219,838	38.8	566,952
2006		302,729	68.6	138,509	31.4	441,238
2007		707,696	83.0	144,502	17.0	852,198
2008		556,696	85.8	92,309	14.2	649,005
2009	423,423	73.9	149,274	26.1	572,697	

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Appendix B15.–Page 2 of 2.

Year	Purse seine <sup>a</sup>		Set gillnet <sup>a</sup>		Total
	Number	Percent	Number	Percent	
2010	268,986	81.3	61,999	18.7	330,985
2011	358,698	84.9	63,575	15.1	422,273
2012	551,760	87.8	76,548	12.2	628,308
2013	437,689	86.2	69,862	13.8	507,551
2014	133,462	55.7	106,020	44.3	239,482
1994–2013 Average					
	352,265	76.4	104,256	23.6	456,521
2004–2013 Average					
	456,357	78.7	122,376	21.3	578,733

<sup>a</sup> Does not include test fish harvests.

<sup>b</sup> No fishery due to anticipated poor sockeye salmon runs to Bristol Bay.

<sup>c</sup> Gear depth limitations in effect beginning in 1990.

Appendix B16.–Shumagin Islands June fishery commercial chum salmon harvests in number of fish and percent by gear type and year, 1971–2014.

Year	Purse seine <sup>a</sup>		Set gillnet <sup>a</sup>		Total
	Number	Percent	Number	Percent	
1971	100,544	96.8	3,342	3.2	103,886
1972	106,239	98.5	1,571	1.5	107,810
1973	21,605	94.3	1,305	5.7	22,910
1974	b				
1975		97.4	929	2.6	35,543
1976		97.1	2,163	2.9	74,109
1977		99.0	221	1.0	21,899
1978		96.3	686	3.7	18,479
1979		95.7	1,757	4.3	40,953
1980		97.3	1,376	2.7	50,366
1981		98.7	720	1.3	54,071
1982		98.9	1,798	1.1	161,316
1983		99.6	659	0.4	169,277
1984		99.3	712	0.7	109,207
1985		96.0	4,385	4.0	109,004
1986		95.0	4,968	5.0	99,048
1987		93.4	2,447	6.6	37,064
1988		82.6	10,792	17.4	61,946
1989		93.6	3,030	6.4	47,528
1990	c	93.1	4,390	6.9	63,501
1991		93.3	6,846	6.7	102,602
1992		96.3	3,803	3.7	102,312
1993		97.9	3,146	2.1	150,306
1994		96.5	7,179	3.5	207,756
1995		93.7	12,232	6.3	195,126
1996		95.9	9,482	4.1	229,931
1997		93.8	7,891	6.2	126,309
1998		78.7	10,701	21.3	50,165
1999		93.2	3,981	6.8	58,420
2000		94.5	3,889	5.5	70,469
2001		93.1	849	6.9	12,251
2002		94.8	9,201	5.2	177,606
2003		95.8	6,824	4.2	161,269
2004		95.8	14,930	4.2	351,683
2005		92.0	22,770	8.0	284,031
2006		89.9	20,619	10.1	203,811
2007		92.5	10,826	7.5	144,205
2008		89.3	13,559	10.7	126,483
2009		91.1	44,172	8.9	495,992

-continued-

Appendix B16.–Page 2 of 2.

Year	Purse seine <sup>a</sup>		Set gillnet <sup>a</sup>		Total
	Number	Percent	Number	Percent	
2010	159,153	92.9	12,120	7.1	171,273
2011	181,291	94.3	10,963	5.7	192,254
2012	169,989	94.1	10,616	5.9	180,605
2013	197,600	95.0	10,446	5.0	208,046
2014	147,710	87.0	21,993	13.0	169,703
1994–2013 Average	170,222	92.8	12,163	7.2	182,384
2004–2013 Average	218,736	92.7	17,102	7.3	235,838

<sup>a</sup> Does not include test fish harvests.

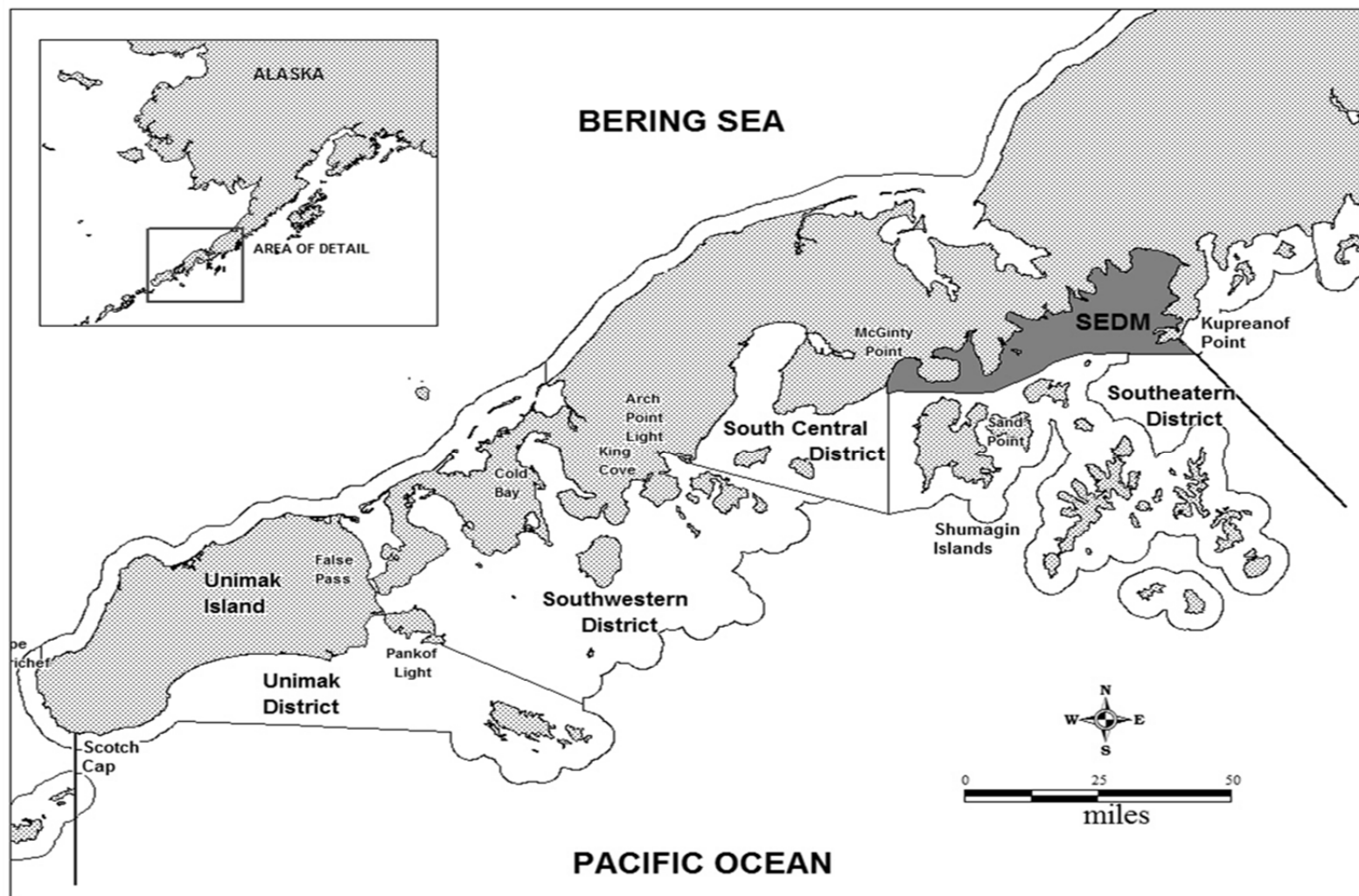
<sup>b</sup> No fishery due to anticipated poor sockeye salmon runs to Bristol Bay.

<sup>c</sup> Gear depth limitations in effect beginning in 1990.

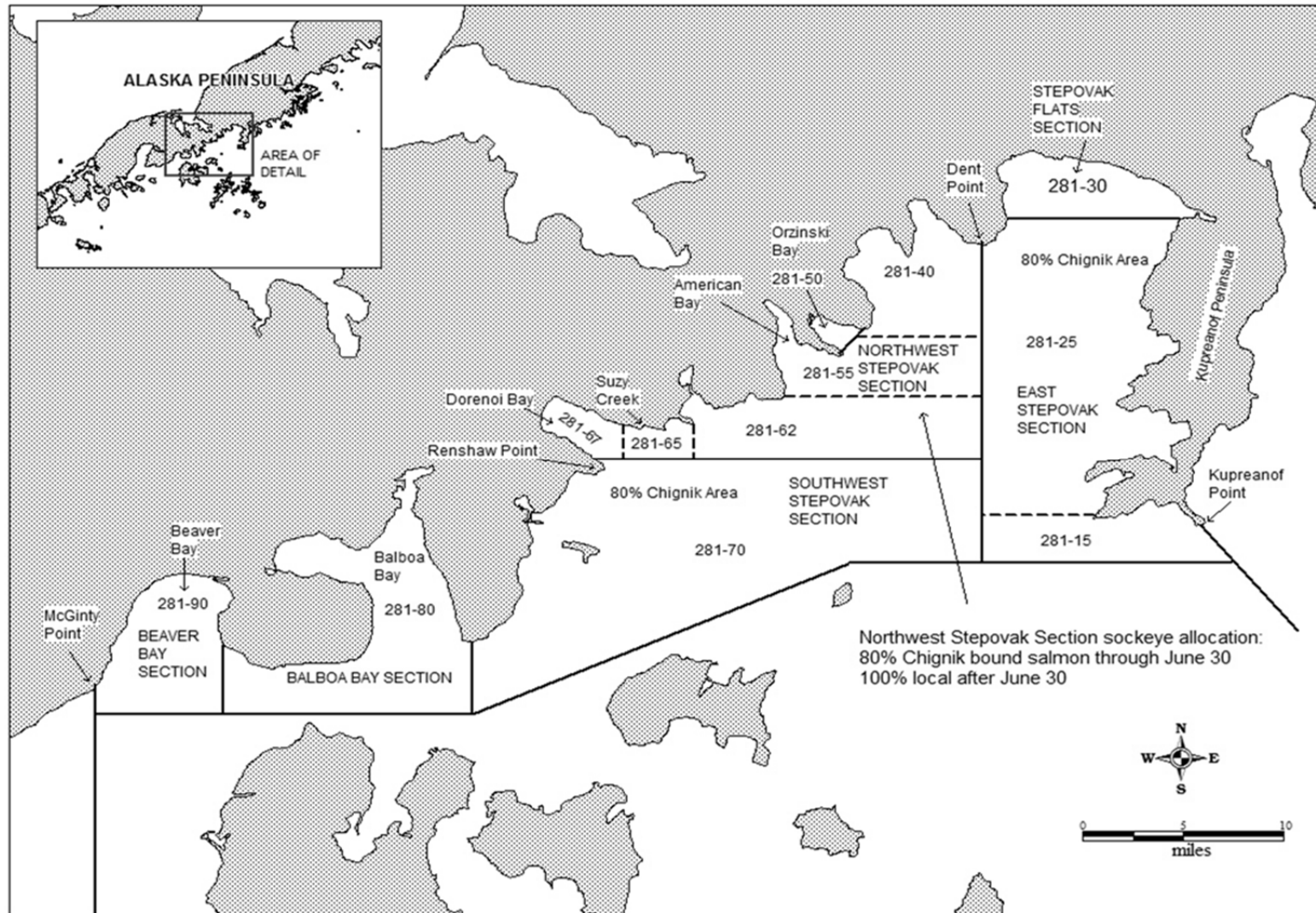


## **APPENDIX C. SOUTHEASTERN DISTRICT MAINLAND FISHERIES**

Appendix C1.—Map of South Alaska Peninsula Management Area from Kupreanof Point to Scotch Cap with Southeastern District Mainland highlighted.



Appendix C2.—Map of Southeastern District Mainland (SEDM) fishery from Kupreanof Point to McGinty Point with salmon fishing sections defined.



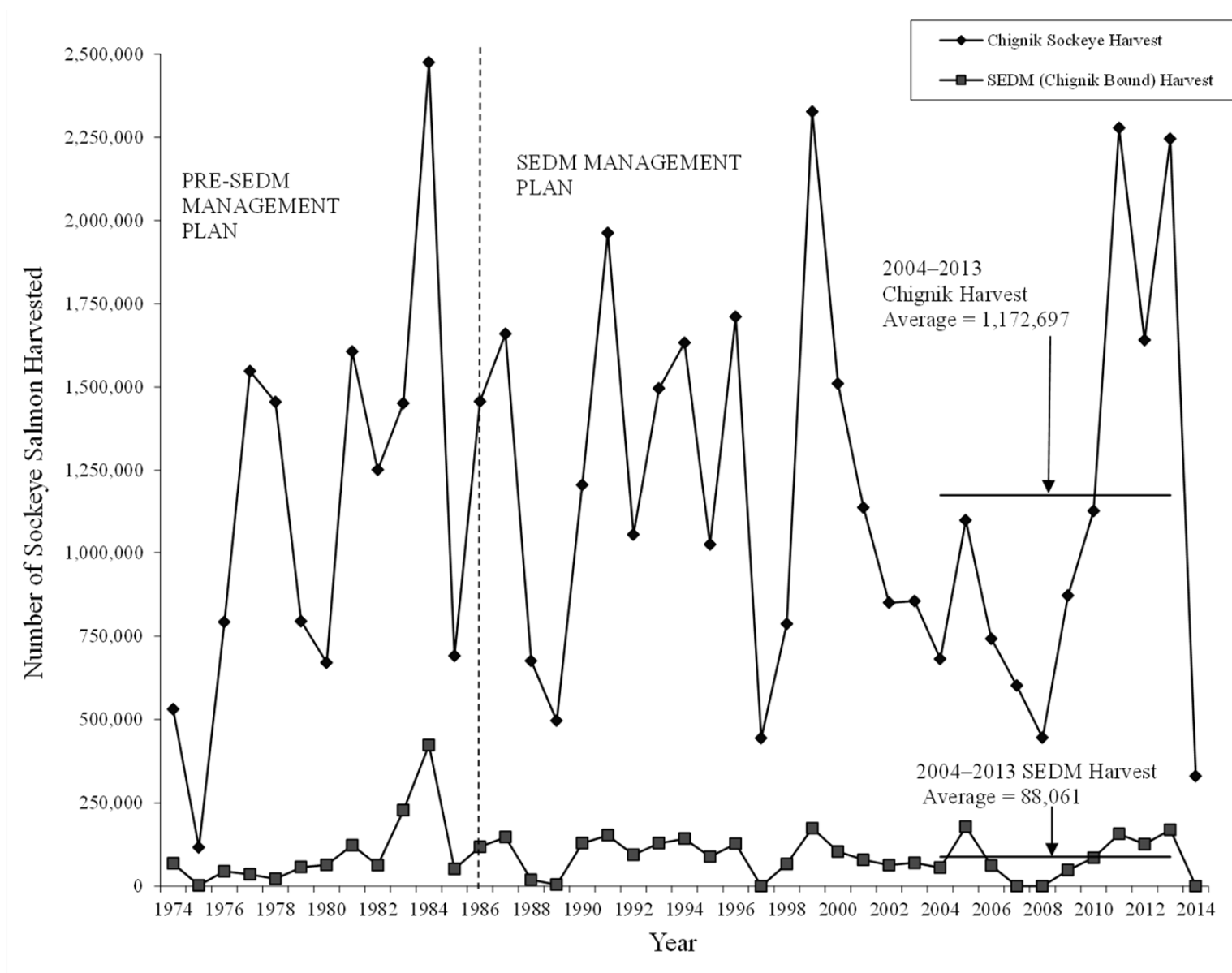
Appendix C3.—Harvest of sockeye salmon, in number of fish and percent, considered to be Chignik-bound by regulation in the Chignik, Cape Igvak, and Southeastern District Mainland Areas from 1974–2014.

Year		Chignik Area <sup>a</sup>		Cape Igvak <sup>a</sup>		Southeastern District Mainland Area <sup>a</sup>		Total
		Harvest	Percent	Harvest	Percent	Harvest	Percent	
1974	<sup>b</sup>	530,278	73.6	122,071	16.9	68,029	9.4	720,378
1975	<sup>b</sup>	115,984	81.8	23,635	16.7	2,205	1.6	141,824
1976	<sup>b</sup>	792,024	83.0	117,926	12.4	44,730	4.7	954,680
1977	<sup>b</sup>	1,547,285	90.4	128,852	7.5	35,502	2.1	1,711,639
1978	<sup>c,d</sup>	1,454,389	85.5	225,014	13.2	22,064	1.3	1,701,467
1979	<sup>e</sup>	794,504	91.8	13,950	1.6	56,878	6.6	865,332
1980		670,001	91.3	32	0.0	63,724	8.7	733,757
1981		1,606,300	79.9	282,727	14.1	122,533	6.1	2,011,560
1982		1,250,768	84.5	166,756	11.3	62,767	4.2	1,480,291
1983		1,450,832	72.7	318,048	15.9	227,392	11.4	1,996,272
1984		2,474,405	73.9	449,372	13.4	423,068	12.6	3,346,845
1985	<sup>f</sup>	690,698	79.8	123,627	14.3	51,421	5.9	865,746
1986		1,456,729	82.6	188,017	10.7	118,006	6.7	1,762,752
1987		1,659,236	78.0	321,506	15.1	146,886	6.9	2,127,628
1988		675,487	95.8	10,520	1.5	19,320	2.7	705,327
1989		496,044	99.1	0	0.0	4,485	0.9	500,529
1990		1,205,575	83.6	107,706	7.5	128,599	8.9	1,441,880
1991	<sup>g</sup>	1,962,583	80.4	324,329	13.3	152,714	6.3	2,439,626
1992	<sup>h</sup>	1,054,309	81.2	150,343	11.6	93,845	7.2	1,298,497
1993		1,495,098	77.7	300,055	15.6	128,536	6.7	1,923,689
1994	<sup>i</sup>	1,632,435	80.6	250,230	12.4	142,350	7.0	2,025,015
1995		1,024,785	79.9	169,530	13.2	88,302	6.9	1,282,617
1996	<sup>j</sup>	1,710,249	79.7	308,327	14.4	127,201	5.9	2,145,777
1997		443,892	100.0	0	0.0	0	0.0	443,892
1998	<sup>k,l</sup>	786,446	91.2	8,813	1.0	66,893	7.8	862,152
1999		2,326,811	78.7	456,039	15.4	173,621	5.9	2,956,471
2000		1,509,652	80.1	271,344	14.4	103,419	5.5	1,884,415
2001	<sup>m</sup>	1,134,991	79.4	215,214	15.1	79,037	5.5	1,429,242
2002	<sup>n</sup>	849,980	81.0	136,448	13.0	63,026	6.0	1,049,454
2003		855,179	81.7	121,887	11.6	70,044	6.7	1,047,110
2004		681,120	75.9	160,665	17.9	55,355	6.2	897,141
2005		1,097,405	70.8	274,328	17.7	177,906	11.5	1,549,639
2006		741,887	87.7	41,834	4.9	62,010	7.3	845,731
2007	<sup>o</sup>	601,213	92.0	52,527	8.0	0	0.0	653,740
2008		445,199	100.0	0	0.0	0	0.0	445,199
2009		871,890	83.3	126,968	12.1	48,322	5.5	1,047,180
2010		1,125,135	80.6	185,193	13.3	85,267	7.6	1,395,595
2011		2,277,681	77.8	494,538	16.9	156,637	6.9	2,928,856
2012		1,640,517	78.4	324,895	15.5	126,083	7.7	2,091,495
2013		2,244,918	81.1	354,179	12.8	169,029	7.5	2,768,126
2014		330,302	100.0	0	0.0	0	0.0	330,302
2004–2013 Average		1,172,697	82.8	201,513	11.9	88,061	6.0	1,462,270

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- <sup>a</sup> Before 2002, Cape Igvak and Southeastern District Mainland (SEDM) figures represent 80% of the total sockeye salmon catches for those areas based on the premise that 80% of the sockeye salmon caught in the Cape Igvak Section and the SEDM (excluding sockeye salmon caught in Northwest Stepovak Section from 1964–1991 and 1996–2005 and in Orzinski Bay only from 1992–1995) are bound for the Chignik Management Area (CMA).
- <sup>b</sup> During 1974–1977 all 3 fisheries were managed on a day by day basis.
- <sup>c</sup> Beginning in 1978, the Alaska Board of Fisheries (board) allocated 15 percent of the total sockeye salmon catch destined for Chignik to the Cape Igvak fishery.
- <sup>d</sup> Beginning in 1978, seining prior to July 11 was disallowed in SEDM. Set gillnet fishermen were allowed to fish 3 days per week through July 10, after which the fishery was managed on the basis of local stocks.
- <sup>e</sup> During 1979–1984 and prior to July 11, fishing was allowed 5 days per week in the Southeastern District Mainland Area with a maximum harvest of an estimated 60,000 sockeye destined for Chignik. If the Chignik Area sockeye catch was 1,000,000 or more before July 11, the 60,000 maximum harvest was to be dropped.
- <sup>f</sup> Beginning in 1985, SEDM was placed on an allocation of 6.2 percent of the total estimated Chignik sockeye catch through July 25. After July 25, the SEDM was managed on a local stock basis. The allocation changed to 6.0 percent beginning in 1988. Seining is still not allowed prior to July 11.
- <sup>g</sup> CMA harvest includes over escapement of 278,305 sockeye counted past the weir during the Chignik Area seiners' price dispute (June 23–July 4, 1991).
- <sup>h</sup> Review of Orzinski Lake historical and current escapement records led the board to redefine the SEDM Management Plan. Beginning in 1992, the SEDM fishery (excluding Orzinski Bay) was placed on an allocation of 7.0% of the total estimated Chignik sockeye salmon catch through July 25.
- <sup>i</sup> CMA harvest includes over escapement of 208,921 sockeye counted past the weir during the Chignik Area seiners' price dispute (June 22–June 25, 1994).
- <sup>j</sup> In 1996, the area managed for local Orzinski Lake sockeye salmon was increased from only Orzinski Bay to the entire Northwest Stepovak Section. Prior to July 1, the entire Northwest Stepovak Section will be managed on an allocation based on the strength of Chignik sockeye salmon runs. Beginning July 1, Northwest Stepovak will be managed entirely on local stocks. The board also decreased the percentage of sockeye salmon allocated to the SEDM fishery from 7% to 6% to attempt to maintain traditional harvest levels of Chignik-bound sockeye salmon harvest in the SEDM fishery.
- <sup>k</sup> In 1998, the area managed entirely for local Orzinski Lake sockeye salmon was reduced from the entire Northwest Stepovak Section to only Orzinski Bay. All sockeye salmon caught in the Northwest Stepovak Section beginning July 1 would still be considered 100% local fish and not counted toward the 6% allocation. The remainder of SEDM sockeye salmon harvest allocated as 80% Chignik-bound fish. Assures minimum harvest of 600,000 sockeye salmon in Chignik through July 25.
- <sup>l</sup> CMA harvest includes 7,714 sockeye salmon caught by the Chignik Seiners Association (CSA), and an over escapement of 52,131 sockeye salmon counted past the weir during the CSA boycott (June 16–29, 1998).
- <sup>m</sup> CMA harvest includes a foregone harvest of 398,887 sockeye salmon which escaped past the weir as a result of the fishermen's strike (in the CMA). SEDM harvest includes a foregone harvest of 27,896 sockeye salmon which escaped past the Orzinski weir as a result of the fishermen's strike (in SEDM).
- <sup>n</sup> Beginning in 2002, the percent of sockeye salmon harvested in Cape Igvak Section considered to be Chignik-bound was increased from 80% to 90%.
- <sup>o</sup> Beginning in 2007, the percent sockeye salmon harvested in SEDM was considered independent of the Igvak fishery and based solely on 7.6% of Chignik Area harvest.

Appendix C4.—Harvest comparison of Chignik-bound sockeye salmon June 1 through July 25, 1974–2014.



Appendix C5.—Southeastern District Mainland salmon harvest by species, all gear combined, June 1–July 25, 1974–2014.

Year	Permits	Landings	Number of salmon					Total
			Chinook	Sockeye	Coho	Pink	Chum	
1974	42	363	50	92,562	216	29,769	7,783	130,380
1975	13	25	0	3,156	63	3,020	770	7,009
1976	41	221	58	59,844	37	20,059	6,759	86,757
1977	52	266	33	48,589	940	43,301	11,454	104,317
1978	42	213	39	31,197	354	33,140	16,104	80,834
1979	42	344	119	90,658	5,857	45,582	7,561	149,777
1980	36	420	79	96,665	1,608	40,779	59,441	198,572
1981	69	718	1,320	202,540	3,058	17,347	172,340	396,605
1982	67	893	401	86,793	1,920	209,898	134,473	433,485
1983	78	852	1,387	302,387	3,222	11,295	101,873	420,164
1984	87	1,736	1,054	595,044	4,414	199,990	141,452	941,954
1985	72	418	177	80,957	909	74,592	87,116	243,751
1986	60	645	219	206,532	770	40,771	51,003	299,295
1987	59	537	130	244,895	197	2,363	21,332	268,917
1988	57	345	214	81,160	2,318	97,534	74,743	255,969
1989	67	248	145	89,224	1,226	210,017	6,570	307,182
1990	115	408	694	166,322	16,809	48,999	43,479	276,303
1991	98	818	614	289,727	1,386	24,788	12,113	328,628
1992	65	664	170	215,444	135	15,939	20,629	252,317
1993	117	845	1,093	210,927	4,207	78,278	9,266	303,771
1994	56	678	242	221,657	1,041	11,158	5,651	239,749
1995	84	718	321	159,381	2,286	52,772	21,809	236,569
1996	89	1,210	325	284,076	3,846	71,856	36,478	396,581
1997	69	1,194	146	304,629	1,380	16,613	6,368	329,136
1998	65	365	307	117,131	2,959	125,030	9,929	255,356
1999	90	679	184	217,026	898	42,905	8,390	269,403
2000	90	1,194	174	202,435	6,968	57,176	27,261	294,014
2001	67	571	177	106,607	1,314	42,220	50,211	200,529
2002	65	1,026	545	153,469	5,390	143,365	18,752	321,521
2003	59	1,055	309	222,651	2,234	129,458	12,272	366,924
2004	44	773	389	210,545	4,536	57,617	5,827	278,914
2005	64	510	97	245,153	6,030	312,207	9,633	573,120
2006	37	117	29	77,513	2,805	77,685	13,259	171,291
2007 <sup>a</sup>								
2008	28	299	29	31,669	505	34,137	6,139	72,479
2009	61	742	120	151,765	1,999	59,799	15,630	229,313
2010	61	938	882	167,756	2,915	14,605	74,186	260,344
2011	66	1,516	395	222,515	2,300	47,178	51,496	323,884
2012	65	1,100	99	218,601	1,277	42,483	31,823	294,283
2013	70	1,592	697	241,031	17,681	326,858	41,359	627,626
2014 <sup>a</sup>								
2004–2013 Average								
	50	759	274	156,655	4,005	97,257	24,935	283,125

<sup>a</sup> No fishery.

Appendix C6.–Southeastern District Mainland salmon harvest by species, set gillnet gear, June 1–July 25, 1974–2014.

Year	Permits	Landings	Number of salmon					Total
			Chinook	Sockeye	Coho	Pink	Chum	
1974	32	278	32	70,433	144	8,147	3,675	82,431
1975	7	14	0	1,807	29	960	592	3,388
1976	19	167	51	54,120	0	5,147	2,154	61,472
1977	22	158	20	33,943	0	5,791	5,041	44,795
1978	23	189	28	29,070	33	1,785	5,733	36,649
1979	29	318	100	79,432	3,036	11,245	5,881	99,694
1980	24	384	75	89,769	597	5,972	28,894	125,307
1981	32	604	1,203	182,527	333	4,339	22,121	210,523
1982	37	753	273	79,442	947	19,204	32,729	132,595
1983	36	707	365	215,280	1,030	1,840	14,718	233,233
1984	54	1,657	708	567,043	1,481	45,542	32,007	646,781
1985	49	367	157	78,347	184	8,075	9,579	96,342
1986	42	616	177	196,545	449	9,540	20,350	227,061
1987	53	528	111	244,413	102	1,555	12,944	259,125
1988	41	300	84	77,204	731	16,595	11,532	106,146
1989	42	194	87	46,977	105	11,100	1,449	59,718
1990	46	277	191	85,368	829	1,465	9,064	96,917
1991	59	747	439	275,768	857	6,128	7,733	290,925
1992	59	650	166	214,638	115	11,129	5,797	231,845
1993	64	763	557	186,656	664	14,757	3,416	206,050
1994	56	678	242	221,657	1,041	11,158	5,651	239,749
1995	58	688	268	139,515	182	13,097	8,184	161,246
1996	64	1,164	252	276,212	2,869	52,785	31,859	363,977
1997	57	1,171	102	293,750	889	12,288	5,874	312,903
1998	45	340	97	74,069	1,439	33,880	3,413	112,898
1999	63	649	164	205,706	351	8,495	6,772	221,488
2000	64	1,163	160	199,605	5,612	42,700	24,572	272,649
2001	51	551	113	102,213	1,146	27,790	43,962	175,224
2002	53	1,001	476	145,656	1,127	82,515	14,660	244,434
2003	48	1,035	268	211,069	1,574	76,530	10,570	300,011
2004	42	763	389	206,316	4,397	55,202	5,827	272,131
2005	43	474	58	152,978	1,003	30,855	4,440	189,334
2006	24	102	4	39,849	339	7,910	4,701	52,803
2007 <sup>a</sup>								
2008	27	299	29	30,861	505	28,566	6,072	66,033
2009	44	701	64	133,526	1,134	22,826	11,151	168,701
2010	45	906	46	161,675	1,534	7,607	27,466	198,328
2011	52	1,498	266	214,853	849	8,008	34,283	258,259
2012	48	1,065	69	190,065	440	9,172	13,038	212,784
2013	46	1,531	344	219,365	9,677	53,505	15,468	298,359
2014 <sup>a</sup>								
2004–2013 Average								
	37	734	127	134,949	1,988	22,365	12,245	171,673

<sup>a</sup> No fishery.

Appendix C7.—Southeastern District Mainland salmon harvest by species, purse seine gear, June 1–July 25, 1974–2014.

Year	Permits	Landings	Number of salmon					Total
			Chinook	Sockeye	Coho	Pink	Chum	
1974	18	85	18	22,129	72	21,622	4,108	47,949
1975	6	11	0	1,349	34	2,060	178	3,621
1976	22	54	7	5,724	37	14,912	4,605	25,285
1977	30	108	13	14,646	940	37,510	6,413	59,522
1978	19	24	11	2,267	321	31,355	10,371	44,325
1979	12	23	19	11,159	2,821	34,331	1,676	50,006
1980	12	36	4	6,896	1,011	34,807	30,547	73,265
1981	35	112	117	19,883	2,725	12,984	149,523	185,232
1982	30	140	128	7,351	973	190,694	101,744	300,890
1983	42	145	1,022	87,107	2,192	9,455	87,155	186,931
1984	33	79	346	28,001	2,933	154,448	109,445	295,173
1985	23	51	20	2,610	725	66,517	77,537	147,409
1986	18	29	42	9,987	321	31,231	30,653	72,234
1987	6	9	19	482	95	808	8,388	9,792
1988	16	45	130	3,956	1,587	80,939	63,211	149,823
1989	25	54	58	42,247	1,121	198,917	5,121	247,464
1990	69	131	503	80,954	15,980	47,534	34,415	179,386
1991	39	71	175	13,959	529	18,660	4,380	37,703
1992	6	14	4	806	20	4,810	14,832	20,472
1993	53	82	536	24,271	3,543	63,521	5,850	97,721
1994 <sup>a</sup>								
1995	26	30	53	19,866	2,104	39,677	13,625	75,325
1996	25	46	73	7,864	977	19,071	4,619	32,604
1997	12	23	44	11,115	491	4,325	494	16,469
1998	20	25	210	43,062	1,520	91,150	6,516	142,458
1999	27	30	20	11,320	547	34,410	1,618	47,915
2000	26	31	14	2,830	1,356	14,476	2,689	21,365
2001	16	20	64	4,394	168	14,430	6,249	25,305
2002	12	25	69	7,813	4,263	60,850	4,092	77,087
2003	11	20	41	11,582	660	52,928	1,702	66,913
2004 <sup>b</sup>								
2005	21	36	39	92,175	5,027	281,352	5,193	383,786
2006	13	15	25	37,664	2,466	69,775	8,558	118,488
2007 <sup>a</sup>								
2008 <sup>b</sup>								
2009	17	41	13	18,239	865	36,973	4,479	60,569
2010	16	32	836	6,081	1,381	6,998	46,720	62,016
2011	14	18	96	7,662	1,451	39,170	17,213	65,592
2012	17	35	30	28,536	837	33,311	18,785	81,499
2013	24	61	353	21,666	8,004	273,353	25,891	329,267
2014 <sup>a</sup>								
2004–2013 Average								
	13	25	139	21,706	2,017	74,892	12,691	111,445

<sup>a</sup> No fishery.

<sup>b</sup> Numbers may not be released due to state confidentiality requirements.

Appendix C8.–Southeastern District Mainland commercial fishing effort and assignment of sockeye salmon harvests (number of fish) June 1 through July 25, 1985–2014.

Effort					Northwest Stepovak			SEDM minus Northwest Stepovak		SEDM		Total catch	
Year	Set gillnet		seine		Total	"Local"	"Non-local"	"Local"	"Non-local"	"Local"	"Non-local"		
	Permits	Landings	Permits	Landings									
1985	a	49	367	23	51	16,681	16,681	0	12,855	51,421	29,536	51,421	80,957
1986		42	616	18	29	59,025	59,025	0	29,501	118,006	88,526	118,006	206,532
1987		53	528	6	9	61,287	61,287	0	36,722	146,886	98,009	146,886	244,895
1988		41	300	16	45	57,010	57,010	0	4,830	19,320	61,840	19,320	81,160
1989		42	248	25	54	83,618	83,618	0	1,121	4,485	84,739	4,485	89,224
1990		46	277	69	131	3,279	3,279	0	32,609	128,599	35,888	128,599	164,487
1991		59	747	39	71	98,834	98,834	0	38,179	152,714	137,013	152,714	289,727
1992	b		650	6	14	113,430	101,198	12,232	20,403		121,599	93,845	215,444
1993		64	763	53	82	73,747	54,955	18,792	27,436	109,744	82,391	128,536	210,927
1994		56	678	0	0	89,522	52,880	36,642	26,427	105,708	79,307	142,350	221,657
1995		58	718	26	30	62,598	51,723	10,875	19,357	81,613	77,426	71,079	159,380
1996	c59	64	1,164	25	46	137,925	127,645	10,280	29,230	116,921	156,875	127,201	284,076
1997		57	1,173	12	23	304,865	304,865	0	0	0	304,865	0	304,865
1998		45	340	18	23	33,515	33,515	0	16,723	66,893	50,238	66,893	117,131
1999		63	649	27	30	32,884	6,577	26,307	36,828	147,313	43,405	173,620	217,025
2000		64	1,163	26	31	89,857	76,500	13,357	22,516	90,062	99,016	103,419	202,435
2001		51	551	16	20	42,681	42,681	0	12,785	51,141	55,466	51,141	106,607
2002		53	1,001	12	25	85,086	76,767	8,319	13,677	54,706	90,444	63,025	153,469
2003		48	1,035	11	20	142,410	136,391	6,019	16,006	64,025	152,397	70,044	222,441
2004		42	763	2	10	150,399	143,161	7,238	12,029	48,117	155,190	55,355	210,545
2005		43	474	21	30	58,243	29,865	28,378	37,382	149,528	67,247	177,906	245,153
2006		24	102	13	15	0	0	0	15,503	62,010	15,503	62,010	77,513
2007	d												
2008		27	299	1	3	31,669	31,669	0	0	0	31,669	0	31,669
2009		44	701	17	41	91,363	91,363	0	12,080	48,322	103,443	48,322	151,765
2010		45	906	16	32	70,131	62,964	7,167	19,525	78,100	82,489	85,267	167,756
2011		52	1,498	14	18	52,695	31,914	20,781	33,964	135,856	65,878	156,637	222,515
2012		48	1,065	17	35	78,251	64,448	13,803	28,070	112,280	92,518	126,083	218,601
2013		46	1,531	24	61	62,573	36,311	26,262	35,692	142,767	72,003	169,029	241,032
2014	d												
2004–2013 Average													
		37	684	11	20	67,516	59,178	8,339	17,456	69,824	76,633	78,162	154,796

-continued-

## Appendix C8.–Page 2 of 2.

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- <sup>a</sup> From 1970 through 1991, the Chignik contribution was 80% of the sockeye salmon harvested in the Beaver Bay, Balboa Bay, Southwest Stepovak, Stepovak Flats, and East Stepovak Sections.
- <sup>b</sup> From 1992 through 1995, the Chignik contribution was 80% of the sockeye salmon harvested in the Southeastern District Mainland (SEDM) fishery, except Orzinski Bay where 100% of the sockeye salmon were considered local production.
- <sup>c</sup> Since 1996, the Chignik contribution is 80% of the sockeye salmon harvested in the SEDM fishery, except beginning July 1, in the Northwest Stepovak Section where 100% of the sockeye salmon are considered local production.
- <sup>d</sup> No fishery.

Appendix C9.–Southeastern District Mainland commercial salmon harvest, all gear combined, by species and day, 2014.

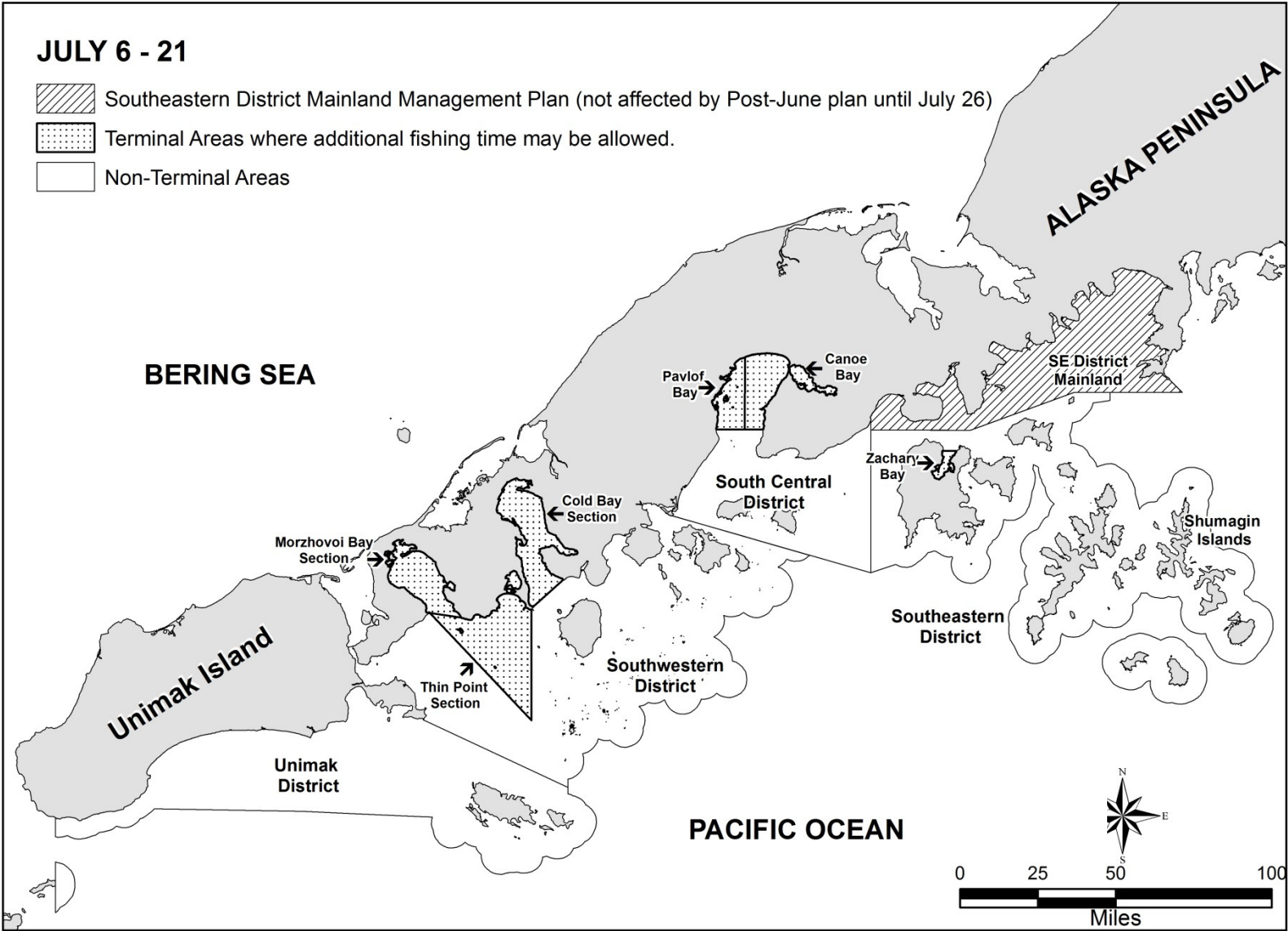
Date	Permits	Landings	Number of salmon					Total
			Chinook	Sockeye	Coho	Pink	Chum	
1-Sep	15	23	2	4,349	2,028	2	145	6,526
2-Sep	13	26		6,450	2,465		93	9,008
3-Sep	15	22		4,214	1,580	1	16	5,811
4-Sep	11	19		3,374	1,041	2	17	4,434
5-Sep	15	26		3,057	2,977		36	6,070
6-Sep								0
7-Sep								0
8-Sep	17	20	1	2,240	2,174		21	4,436
9-Sep	18	24	1	2,616	2,094	4	24	4,739
10-Sep	18	29		2,102	2,436		27	4,565
11-Sep	12	13		710	836		8	1,554
12-Sep	1	1		18	5		1	24
13-Sep								
14-Sep								
15-Sep	4	5		96	457			553
16-Sep	7	7		158	273			431
17-Sep	5	5		241	455			696
18-Sep	<sup>a</sup>							
Subtotal	<sup>b</sup>							
June 1–July 25		0	0	0	0	0	0	0
Subtotal	<sup>b</sup>							
July 26– August 31		0	0	0	0	0	0	0
Subtotal								
September 1–October 31		221	4	29,655	18,925	9	388	48,981
Season total		221	4	29,655	18,925	9	388	48,981

<sup>a</sup> Confidential information.

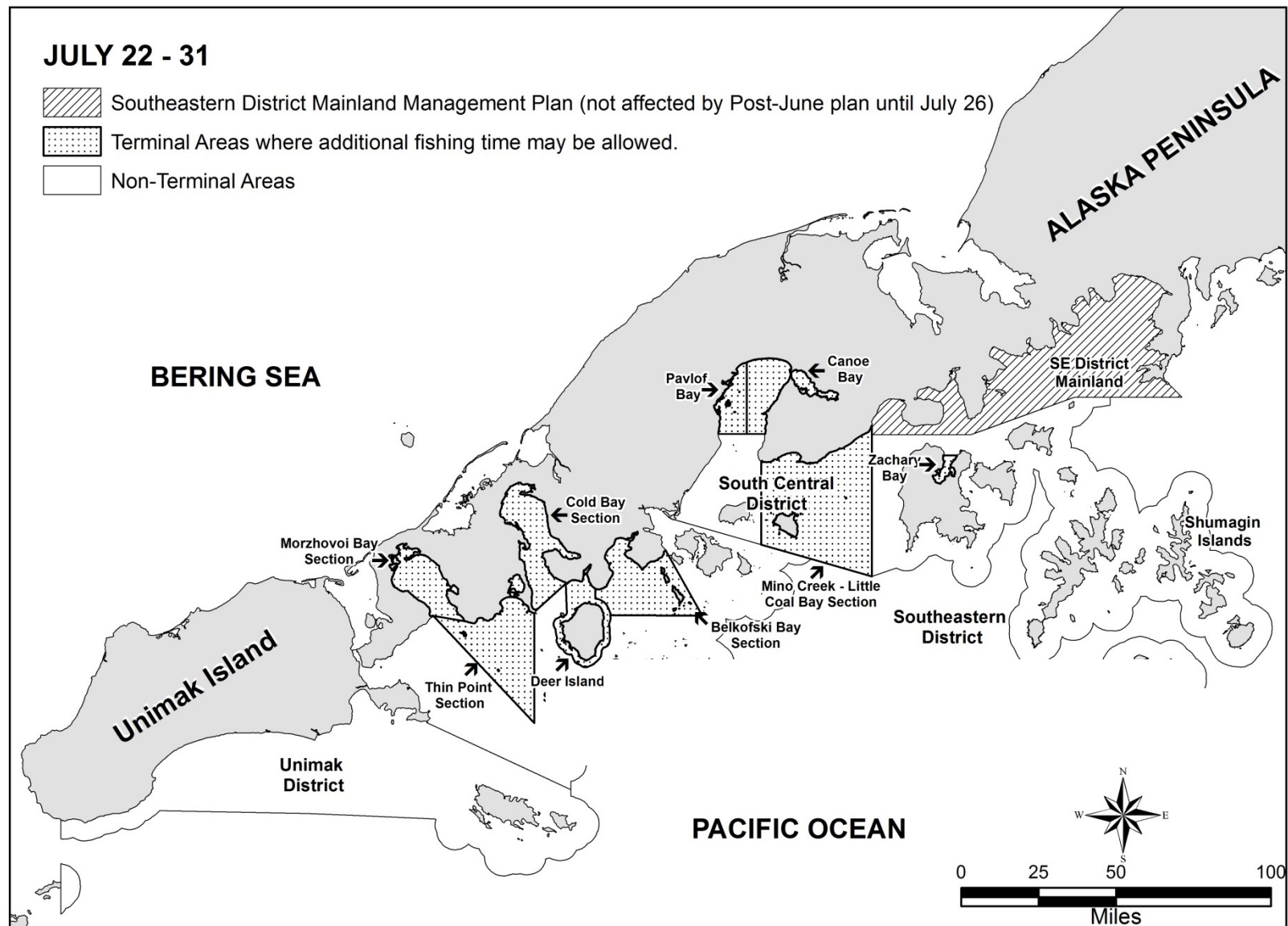
<sup>b</sup> No harvest occurred from June 1 through August 31.

## **APPENDIX D. SOUTH ALASKA PENINSULA POST-JUNE FISHERIES**

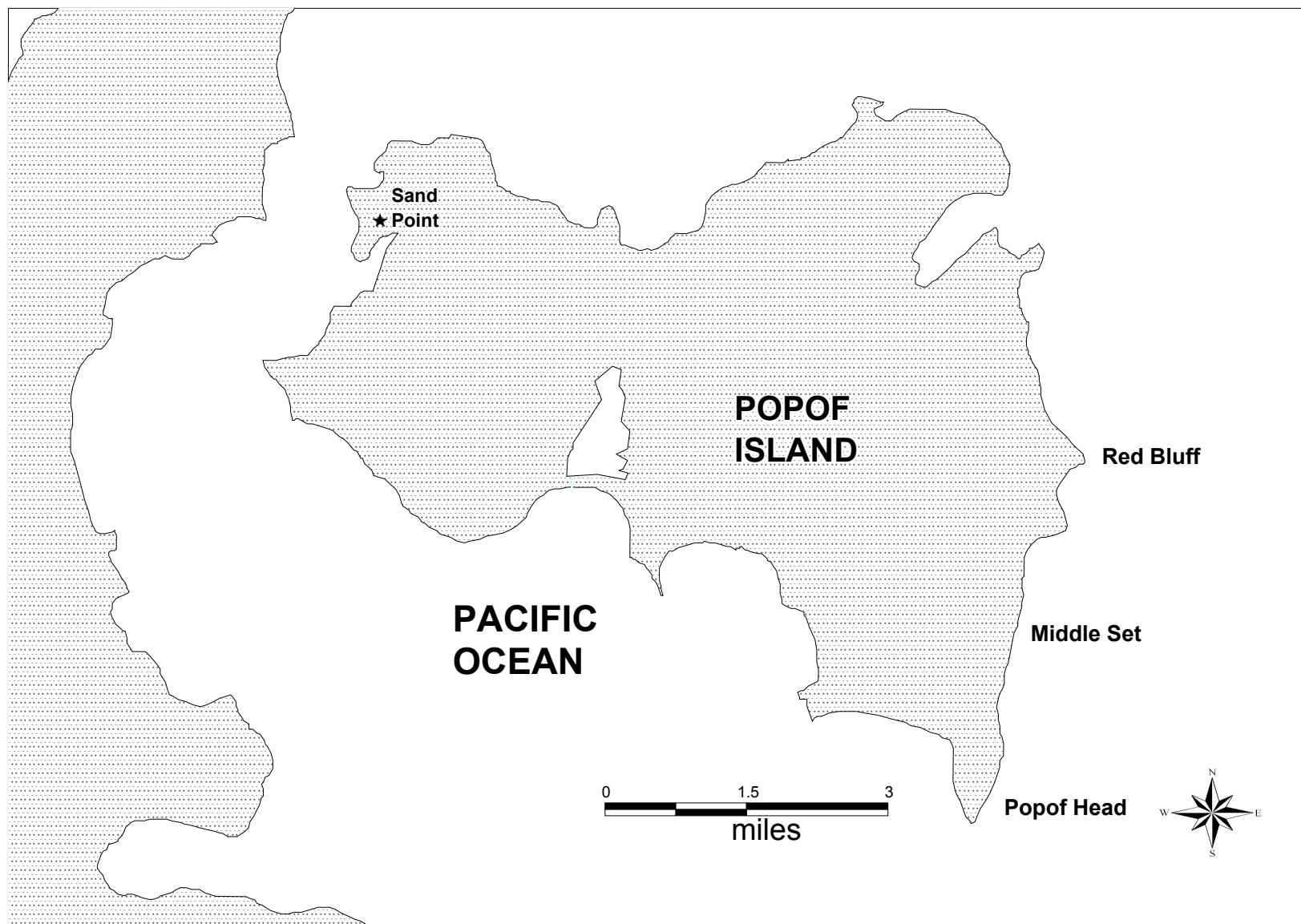
Appendix D1.—Map of the South Peninsula Post-June fishery with terminal areas defined during July 6–21.



Appendix D2.—Map of the South Peninsula Post-June fishery with terminal areas defined during July 22–31.



Appendix D3.—Map of Popof Island with test fishing sites defined.



Appendix D4.–Summary of the Shumagin Islands July salmon test fishery, 2014.

Date	Number of sets <sup>a</sup>	Number of adult salmon						Number of immature salmon				
		Chinook	Sockeye	Coho	Pink	Chum	Total	Chinook	Sockeye	Coho	Chum	Total
2-Jul		58	1,542	354	506	1,238	3,698	20	69	0	2	91
	Avg/Set	7.0	193.0	44.0	63.0	155.0	462.0	2.5	8.6	0.0	0.3	11.4
3-Jul	7	170	985	289	289	1,766	3,499	93	53	0	21	167
	Avg/Set	21.0	123.0	36.0	36.0	221.0	437.0	11.6	6.6	0.0	2.6	20.9
5-Jul	6	128	432	314	182	266	1,322	48	21	0	3	72
	Avg/Set	18.0	62.0	45.0	26.0	38.0	189.0	6.9	3.0	0.0	0.4	10.3
Total	20	356	2,959	957	977	3,270	8,519	161	143	0	26	330

<sup>a</sup> Test fishing is standardized to purse seine gear, conducting 20-minute sets at Popof Head, Middle Set, and Red Bluff located on Popof Island.

Appendix D5.—South Peninsula Post-June commercial salmon harvest, all gear combined, by species, July 6–July 21, 2014.

		Number of salmon <sup>a</sup>					
Date		Chinook	Sockeye	Coho	Pink	Chum	Total
Non-terminal areas, all gear combined, by day							
6-Jul		1,026	73,584	35,274	5,658	26,860	142,402
7-Jul		265	25,506	7,801	1,418	2,947	37,937
8-Jul	b						
9-Jul	b						
10-Jul		974	90,373	18,967	10,111	6,702	127,127
11-Jul		478	44,562	10,418	3,907	2,980	62,345
12-Jul	b						
13-Jul	b						
14-Jul		201	90,951	11,366	13,315	6,775	122,608
15-Jul		387	86,232	29,181	13,986	5,582	135,368
16-Jul	b						
17-Jul	b						
18-Jul		441	63,894	28,434	24,892	7,222	124,883
19-Jul		504	49,322	25,463	25,147	6,066	106,502
20-Jul	b						
21-Jul	b						
Non-Terminal total		4,276	524,424	166,904	98,434	65,134	859,172
Terminal areas, all gear combined, by day							
6-Jul		0	2,179	6	239	4,828	7,252
7-Jul		0	1,702	312	54	149	2,217
8-Jul	b						
9-Jul	b						
10-Jul		0	1,929	0	122	13	2,064
11-Jul		0	2,445	0	20	112	2,577
12-Jul	b						
13-Jul	b						
14-Jul		2	5,589	53	2,310	507	8,461
15-Jul		0	1,049	0	2,635	2,902	6,586
16-Jul	b						
17-Jul	b						
18-Jul		0	613	2	379	60	1,054
19-Jul		0	366	4	20	5	395
20-Jul	b						
21-Jul	b						
Terminal total		2	15,872	377	5,779	8,576	30,606
Total harvest Jul 6–Jul 21		4,278	540,296	167,281	104,213	73,710	889,778

<sup>a</sup> Does not include test fishery harvests

<sup>b</sup> Fishery closed.

Appendix D6.—South Peninsula Post-June commercial salmon harvest, all gear combined, by species, July 22–July 31, 2014.

		Number of salmon <sup>a</sup>					
Date		Chinook	Sockeye	Coho	Pink	Chum	Total
Non-terminal areas (including SEDM after July 25), all gear combined, by day							
22-Jul		491	43,830	22,745	56,373	10,100	133,539
23-Jul		34	32,354	22,537	24,465	4,628	84,018
24-Jul	<sup>b</sup>						
25-Jul	<sup>b</sup>						
26-Jul		83	28,717	24,436	44,005	5,399	102,640
27-Jul		12	23,797	11,868	32,725	3,712	72,114
28-Jul	<sup>b</sup>						
29-Jul	<sup>b</sup>						
30-Jul		78	25,549	14,171	75,872	7,371	123,041
31-Jul		8	14,003	4,276	60,261	3,420	81,968
Non-terminal total		706	168,250	100,033	293,701	34,630	597,320
Terminal areas, all gear combined, by day							
22-Jul			1,359	128	3,239	389	5,115
23-Jul		1	2,177	231	3,228	103	5,740
24-Jul	<sup>b</sup>						
25-Jul	<sup>b</sup>						
26-Jul			2,907	48	10,030	577	13,562
27-Jul			5,997	33	21,319	195	27,544
28-Jul							0
29-Jul							0
30-Jul			2,611	76	18,694	224	21,605
31-Jul			11,519	349	32,102	698	44,668
Terminal total		1	26,570	865	88,612	2,186	118,234
Total harvest Jul 22–Jul 31		707	194,820	100,898	382,313	36,816	715,554

<sup>a</sup> Does not include test fishery harvests.

<sup>b</sup> Fishery closed.

Appendix D7.–South Peninsula Post-June commercial salmon harvest, by species, by day, August 1–August 31, 2014.

Date		Number of salmon <sup>a</sup>					Total
		Chinook	Sockeye	Coho	Pink	Chum	
1-Aug	<sup>b</sup>						
2-Aug	<sup>b</sup>						
3-Aug	<sup>b</sup>						
4-Aug	<sup>b</sup>						
5-Aug	<sup>b</sup>						
6-Aug	<sup>b</sup>						
7-Aug	<sup>b</sup>						
8-Aug	<sup>b</sup>						
9-Aug	<sup>b</sup>						
10-Aug	<sup>b</sup>						
11-Aug	<sup>b</sup>						
12-Aug	<sup>b</sup>						
13-Aug	<sup>b</sup>						
14-Aug	<sup>b</sup>						
15-Aug	<sup>b</sup>						
16-Aug		0	4	0	11,370	534	11,908
17-Aug		0	2	35	2,283	11	2,331
18-Aug		0	20	20	4,474	120	4,634
19-Aug		0	18	22	3,682	129	3,851
20-Aug		0	5	4	18,772	15	18,796
21-Aug		0	2	11	13,823	28	13,864
22-Aug	<sup>b</sup>						
23-Aug	<sup>b</sup>						
24-Aug	<sup>b</sup>						
25-Aug	<sup>b</sup>						
26-Aug	<sup>b</sup>						
27-Aug	<sup>b</sup>						
28-Aug	<sup>b</sup>						
29-Aug	<sup>b</sup>						
30-Aug	<sup>b</sup>						
31-Aug	<sup>b</sup>						
Total		0	51	92	54,404	837	55,384

<sup>a</sup> Does not include test fishery harvests.

<sup>b</sup> Fishery closed.

Appendix D8.—South Peninsula fall fishery (September 1–September 30) commercial salmon harvest, by species and year, 1974–2014.

Year	Permits	Landings	Number of salmon <sup>a, b</sup>					Total
			Chinook	Sockeye	Coho	Pink	Chum	
1974	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0
1976	4	15	0	1,776	160	85	0	2,021
1977	9	23	0	2,465	635	0	528	3,628
1978	21	51	0	808	4,651	0	5,726	11,185
1979	25	60	0	2,375	17,468	54	5,307	25,204
1980	29	139	0	6,513	30,390	154	4,166	41,223
1981	31	115	0	10,004	21,016	0	220	31,240
1982	29	213	2	24,471	10,742	0	3,407	38,622
1983	48	334	35	25,493	14,945	1,254	2,958	44,685
1984	52	269	10	13,351	10,526	458	1,789	26,134
1985	55	182	5	4,002	14,725	290	6,960	25,982
1986	46	146	2	3,459	6,318	518	2,519	12,816
1987	65	323	12	23,332	22,040	1,499	52,079	98,962
1988	68	328	4	24,635	26,497	62,290	19,345	132,771
1989	60	363	12	34,932	15,724	281	10,058	61,007
1990	66	426	7	67,142	23,318	584	73,195	164,246
1991	52	273	2	20,056	20,337	0	16,183	56,578
1992	53	333	58	13,115	35,323	1,525	3,486	53,507
1993	50	248	31	16,386	16,965	515	2,918	36,815
1994	75	373	18	25,481	36,563	294	214,174	276,530
1995	55	473	3	110,657	26,083	1,710	9,860	148,313
1996	57	364	5	26,301	26,525	136	2,910	55,877
1997	51	513	30	76,965	36,447	3,568	6,199	123,209
1998	67	430	25	44,775	20,838	1,818	10,382	77,838
1999	58	503	12	118,064	17,622	12,353	3,668	151,719
2000	71	444	11	47,160	25,039	3,963	83,701	159,874
2001	34	382	16	97,717	17,317	1,824	2,894	119,768
2002	26	244	0	19,341	8,034	217	7,776	35,368
2003	23	257	8	57,641	27,891	0	559	86,099
2004	22	169	8	13,763	12,126	496	1,794	28,187
2005	13	58	0	5,581	9,580	0	306	15,467
2006	32	247	27	49,620	19,172	1,096	24,168	94,083
2007	28	136	2	22,523	5,657	11,130	17,984	57,296
2008	29	188	5	20,651	24,125	194,421	13,510	252,712
2009	36	164	4	9,301	14,876	38,195	84,834	147,210
2010	13	50	5	4,367	2,111	0	149	6,632
2011	16	60	3	5,511	6,192	1,374	25,141	38,221
2012	0	0	0	0	0	0	0	0
2013	22	78	8	10,114	5,043	821	1,668	17,654
2014	31	245	5	32,000	26,070	19	425	58,519
Average 2004–2013								
	38	265	11	38,590	17,658	13,656	25,646	95,561

<sup>a</sup> Does not include test fishery harvests.

<sup>b</sup> Harvest from 1987–1990, 1992, 1993, 1995–1998, and 2002–2003 include catch from limited fishing periods in October.

Appendix D9.—South Peninsula (minus the Southeastern District Mainland fishery July 1–July 25)  
Post-June (July 1–September 30) commercial salmon harvest, by species and year, 1974–2014.

Year	Permits	Landings	Number of salmon <sup>a,b</sup>					Total
			Chinook	Sockeye	Coho	Pink	Chum	
1974	95	509	532	108,923	9,152	71,459	64,455	254,521
1975	46	65	0	293	3	52,375	29,158	81,829
1976	125	1,102	6	11,674	176	2,324,547	116,355	2,452,758
1977	103	1,131	7	26,545	1,168	1,425,107	119,646	1,572,473
1978	123	2,081	203	61,379	60,417	5,467,134	408,544	5,997,677
1979	165	2,446	972	209,755	350,770	6,365,911	371,358	7,298,766
1980	152	2,646	1,522	310,278	271,738	6,295,345	785,026	7,663,909
1981	167	2,502	4,190	218,667	158,846	4,564,926	1,033,055	5,979,684
1982	182	2,781	2,313	140,487	252,885	4,806,182	1,042,978	6,244,845
1983	201	2,667	11,726	292,536	124,431	2,760,452	816,567	4,005,712
1984	217	3,525	4,290	334,781	306,522	10,469,392	1,176,050	12,291,035
1985	213	2,787	688	272,059	169,137	4,249,809	827,781	5,519,474
1986	202	3,001	3,475	545,160	235,082	3,698,727	1,346,879	5,829,323
1987	233	2,692	3,881	410,755	224,543	1,189,211	911,414	2,739,804
1988	243	4,356	6,797	635,804	502,960	6,767,066	1,307,053	9,219,680
1989	274	3,993	4,106	825,372	440,171	6,879,878	531,759	8,681,286
1990	261	3,257	5,480	875,237	288,728	2,299,161	672,937	4,141,543
1991	234	3,573	2,423	465,874	311,825	9,952,671	788,955	11,521,748
1992	234	3,919	4,096	767,735	418,065	9,111,099	867,944	11,168,939
1993	221	3,089	3,768	499,624	214,667	9,768,653	505,720	10,992,432
1994	214	3,309	1,741	409,303	253,285	6,648,561	1,593,751	8,906,641
1995	207	3,823	2,128	734,744	255,908	16,079,640	1,158,417	18,230,837
1996	178	1,962	2,075	216,234	276,193	1,744,707	381,522	2,620,731
1997	165	1,355	1,204	310,481	109,950	1,681,374	277,559	2,380,568
1998	210	3,971	1,793	763,810	150,693	7,442,498	456,456	8,815,250
1999	185	4,211	1,612	1,368,315	191,603	8,382,239	567,950	10,511,719
2000	180	2,897	2,088	532,467	249,973	3,135,286	790,817	4,710,631
2001	175	2,436	2,098	356,841	212,936	3,939,910	834,453	5,346,238
2002	112	1,556	3,411	290,606	197,323	1,950,760	421,461	2,863,561
2003	102	1,673	1,079	377,805	128,620	3,910,916	342,595	4,761,015
2004	103	1,629	2,238	641,326	230,443	6,248,298	301,972	7,424,277
2005	111	2,090	1,335	1,087,549	135,668	7,449,031	301,997	8,975,580
2006	116	2,392	886	840,225	164,186	2,851,820	864,720	4,721,837
2007	116	2,648	676	848,832	149,322	7,031,802	382,248	8,412,880
2008	134	2,653	1,380	493,966	224,976	10,704,645	385,333	11,810,300
2009	124	2,228	1,891	404,346	246,350	5,591,664	968,314	7,212,565
2010	139	1,165	3,848	287,491	161,698	486,748	444,245	1,384,030
2011	167	1,823	3,348	334,883	151,009	4,221,915	502,924	5,214,079
2012	181	1,113	1,197	253,841	90,619	186,045	195,880	727,582
2013	198	2,685	3,767	436,059	275,885	7,162,950	510,111	8,388,772
2014	156	1,811	4,990	767,167	294,341	540,949	111,788	1,719,235
Average 2004–2013								
	140	2,022	2,323	581,426	193,136	4,770,533	451,776	5,999,194

<sup>a</sup> Does not include test fishery harvests.

<sup>b</sup> Harvest from 1987–1990, 1992, 1993, 1995, and 2002–2003 include catch from limited fishing periods in October.

Appendix D10.— South Peninsula (including the Southeastern District Mainland fishery) Post-June (July 1–September 30) commercial salmon harvest, by species and year, 1974–2014.

Year	Permits	Landings	Number of salmon <sup>a,b</sup>					Total
			Chinook	Sockeye	Coho	Pink	Chum	
1974	95	744	557	171,700	9,362	100,179	71,430	353,228
1975	46	90	0	3,449	66	55,395	29,928	88,838
1976	125	1,181	14	20,707	213	2,342,600	121,282	2,484,816
1977	103	1,315	35	60,669	2,108	1,443,245	126,762	1,632,819
1978	123	2,187	222	74,839	60,771	5,500,177	423,532	6,059,541
1979	165	2,699	1,049	283,352	356,562	6,409,584	378,712	7,429,259
1980	152	2,948	1,569	371,638	273,328	6,335,159	843,988	7,825,682
1981	168	2,940	4,415	316,945	161,899	4,581,643	1,201,454	6,266,356
1982	183	3,361	2,566	177,160	254,798	5,016,065	1,171,508	6,622,097
1983	210	3,210	12,833	522,913	127,157	2,771,744	917,198	4,351,845
1984	217	4,251	4,913	525,275	310,910	10,668,889	1,312,347	12,822,334
1985	213	2,970	724	294,782	170,046	4,323,885	912,580	5,702,017
1986	202	3,444	3,586	687,525	235,852	3,739,423	1,394,332	6,060,718
1987	233	2,926	3,935	463,090	224,740	1,191,512	929,782	2,813,059
1988	243	4,701	7,011	716,964	505,278	6,864,600	1,381,796	9,475,649
1989	274	4,185	4,225	909,393	441,397	7,089,895	538,177	8,983,087
1990	261	3,663	6,164	1,039,265	305,509	2,346,043	715,940	4,412,921
1991	234	3,889	2,807	570,688	313,210	9,977,423	797,890	11,662,018
1992	234	4,329	4,133	872,847	418,189	9,126,950	884,505	11,306,624
1993	222	3,686	4,545	641,103	218,871	9,846,906	514,405	11,225,830
1994	214	3,745	1,825	542,322	254,298	6,657,000	1,596,247	9,051,692
1995	208	4,227	2,197	827,772	258,131	16,132,189	1,175,556	18,395,845
1996	180	2,821	2,285	392,551	280,033	1,816,358	413,525	2,904,752
1997	168	2,550	1,350	615,228	111,334	1,697,989	283,929	2,709,830
1998	210	4,336	2,100	880,941	153,652	7,567,528	466,385	9,070,606
1999	186	4,357	1,651	1,415,509	192,498	8,425,091	572,609	10,607,358
2000	180	3,805	2,183	656,086	256,940	3,192,461	816,096	4,923,766
2001	178	3,006	2,275	461,136	214,250	3,982,130	884,593	5,544,384
2002	116	2,321	3,724	407,582	202,712	2,093,251	437,533	3,144,802
2003	106	2,492	1,289	553,301	130,852	4,039,946	353,704	5,079,092
2004	108	2,229	2,507	804,977	234,971	6,305,840	306,812	7,655,107
2005	111	2,253	1,379	1,244,326	141,692	7,754,815	309,551	9,451,763
2006	116	2,506	915	917,738	166,991	2,929,505	877,979	4,893,128
2007	116	2,648	676	848,832	149,322	7,031,802	382,248	8,412,880
2008	135	2,955	1,409	525,635	225,481	10,738,782	391,472	11,882,779
2009	127	2,968	2,011	556,111	248,349	5,651,463	983,944	7,441,878
2010	142	1,886	4,712	417,791	164,610	501,342	515,260	1,603,715
2011	175	2,589	3,595	452,133	153,291	4,268,929	541,785	5,419,733
2012	193	1,847	1,247	409,338	91,906	228,531	226,252	957,274
2013	206	3,670	4,372	572,909	293,524	7,489,200	549,535	8,909,540
2014	156	1,811	4,990	767,167	294,341	540,949	111,788	1,719,235
Average 2004–2013								
	144	2,487	2,528	683,360	196,771	4,858,287	472,421	6,213,367

<sup>a</sup> Does not include test fishery harvests.

<sup>b</sup> Harvest from 1987–1990, 1992, 1993, 1995–1998, and 2002–2003 include catch from limited openings in October.

Appendix D11.–South Peninsula (including Southeastern District Mainland fishery) Post-June (July 1–September 30) commercial Chinook salmon harvest by gear and year, 1974–2014.

Year <sup>a</sup>	Purse seine		Drift gillnet		Set gillnet		Total
	Number <sup>b</sup>	Percent	Number <sup>b</sup>	Percent	Number <sup>b</sup>	Percent	
1974	509	91.4	22	3.9	26	4.7	557
1975	0	0.0	0	0.0	0	0.0	0
1976	5	35.7	1	7.1	8	57.1	14
1977	18	51.4	0	0.0	17	48.6	35
1978	204	91.9	0	0.0	18	8.1	222
1979	981	93.5	2	0.2	66	6.3	1,049
1980	1,495	95.3	0	0.0	74	4.7	1,569
1981	4,280	96.9	0	0.0	135	3.1	4,415
1982	2,294	89.4	90	3.5	182	7.1	2,566
1983	12,552	97.8	78	0.6	203	1.6	12,833
1984	4,338	88.3	161	3.3	414	8.4	4,913
1985	625	86.3	24	3.3	75	10.4	724
1986	3,395	94.7	24	0.7	167	4.7	3,586
1987	3,700	94.0	64	1.6	171	4.3	3,935
1988	6,586	93.9	142	2.0	283	4.0	7,011
1989	3,584	84.8	295	7.0	346	8.2	4,225
1990	5,605	90.9	122	2.0	437	7.1	6,164
1991	2,085	74.3	62	2.2	660	23.5	2,807
1992	3,724	92.2	47	1.2	269	6.7	4,040
1993	3,666	85.2	111	2.6	524	12.2	4,301
1994	1,321	76.5	25	1.4	380	22.0	1,726
1995	1,556	74.8	34	1.6	489	23.5	2,079
1996	1,839	86.6	28	1.3	257	12.1	2,124
1997	1,161	86.0	18	1.3	171	12.7	1,350
1998	1,768	84.2	18	0.9	314	15.0	2,100
1999	1,367	84.4	15	0.9	237	14.6	1,619
2000	1,983	91.1	19	0.9	174	8.0	2,176
2001	1,732	88.5	19	1.0	206	10.5	1,957
2002	3,245	87.1	2	0.1	477	12.8	3,724
2003	961	74.6	7	0.5	321	24.9	1,289
2004	2,088	83.3	1	0.0	418	16.7	2,507
2005	1,296	94.0	2	0.1	81	5.9	1,379
2006	674	73.7	1	0.1	240	26.2	915
2007	570	84.3	1	0.1	105	15.5	676
2008	1,236	87.7	15	1.1	158	11.2	1,409
2009	1,819	90.5	11	0.5	181	9.0	2,011
2010	4,571	97.0	31	0.7	110	2.3	4,712
2011	3,158	87.8	123	3.4	314	8.7	3,595
2012	1,002	80.4	206	16.5	39	3.1	1,247
2013	3,665	83.8	343	7.8	364	8.3	4,372
2014	4,924	98.7	34	0.7	32	0.6	4,990
Average 2004–2013							
	2,273	87	70	3	186	10	2,528

<sup>a</sup> Harvest from 1987–1990, 1992, 1993, 1995–1998, and 2002–2003 include catch from limited openings in October.

<sup>b</sup> Does not include test fishery harvest.

Appendix D12.–South Peninsula (including Southeastern District Mainland fishery) Post-June (July 1–September 30) commercial sockeye salmon harvest by gear and year, 1974–2014.

Year <sup>a</sup>	Purse seine		Drift gillnet		Set gillnet		Total
	Number <sup>b</sup>	Percent	Number <sup>b</sup>	Percent	Number <sup>b</sup>	Percent	
1974	28,466	44.8	14,843	23.3	20,260	31.9	63,569
1975	1,642	47.6	0	0.0	1,807	52.4	3,449
1976	9,630	46.5	2,649	12.8	8,428	40.7	20,707
1977	32,051	52.8	0	0.0	28,618	47.2	60,669
1978	57,448	76.8	0	0.0	17,391	23.2	74,839
1979	193,629	68.3	1,097	0.4	88,626	31.3	283,352
1980	260,433	70.1	398	0.1	110,807	29.8	371,638
1981	171,658	54.2	1,388	0.4	143,899	45.4	316,945
1982	92,784	52.4	13,472	7.6	70,904	40.0	177,160
1983	258,763	49.5	19,005	3.6	245,145	46.9	522,913
1984	240,959	45.9	26,698	5.1	257,618	49.0	525,275
1985	178,953	60.7	18,441	6.3	97,388	33.0	294,782
1986	412,251	60.0	30,261	4.4	245,013	35.6	687,525
1987	238,678	51.5	39,360	8.5	185,052	40.0	463,090
1988	423,852	59.1	44,657	6.2	248,455	34.7	716,964
1989	470,465	51.7	86,343	9.5	352,585	38.8	909,393
1990	524,630	50.5	132,907	12.8	381,728	36.7	1,039,265
1991	232,338	40.7	21,721	3.8	316,629	55.5	570,688
1992	443,201	50.9	44,935	5.2	382,491	43.9	870,627
1993	288,648	45.1	23,421	3.7	327,273	51.2	639,342
1994	147,337	27.2	18,134	3.4	375,637	69.4	541,108
1995	368,688	44.8	21,505	2.6	433,594	52.6	823,787
1996	80,819	20.7	5,776	1.5	304,043	77.8	390,638
1997	123,940	20.1	24,278	3.9	467,010	75.9	615,228
1998	381,734	43.4	35,569	4.0	462,960	52.6	880,263
1999	680,344	48.5	35,100	2.5	687,592	49.0	1,403,036
2000	212,658	32.5	20,587	3.1	421,287	64.4	654,532
2001	96,249	21.2	28,932	6.4	329,631	72.5	454,812
2002	118,441	29.1	15,783	3.9	273,358	67.1	407,582
2003	162,365	29.3	16,093	2.9	374,843	67.7	553,301
2004	400,982	49.8	21,452	2.7	382,543	47.5	804,977
2005	657,543	52.8	8,492	0.7	578,291	46.5	1,244,326
2006	414,302	45.1	2,702	0.3	500,734	54.6	917,738
2007	477,594	56.3	6,626	0.8	364,612	43.0	848,832
2008	321,396	61.1	12,629	2.4	191,610	36.5	525,635
2009	248,639	44.7	7,800	1.4	299,672	53.9	556,111
2010	175,804	42.1	13,877	3.3	228,110	54.6	417,791
2011	210,003	46.4	23,941	5.3	218,189	48.3	452,133
2012	168,419	41.1	56,039	13.7	184,880	45.2	409,338
2013	297,320	51.9	51,316	9.0	224,273	39.1	572,909
2014	415,107	54.1	60,662	7.9	291,398	38.0	767,167
Average 2004–2013							
	344,283	50.4	24,140	3.5	314,937	46.1	683,360

<sup>a</sup> Harvest from 1987–1990, 1992, 1993, 1995–1998, and 2002–2003 include catch from limited openings in October.

<sup>b</sup> Does not include test fishery harvest.

Appendix D13.–South Peninsula (including Southeastern District Mainland fishery) Post-June (July 1–September 30) commercial coho salmon harvest by gear and year, 1974–2014.

Year <sup>a</sup>	Purse seine		Drift gillnet		Set gillnet		Total
	Number <sup>b</sup>	Percent	Number <sup>b</sup>	Percent	Number <sup>b</sup>	Percent	
1974	8,091	86.4	1,110	11.9	161	1.7	9,362
1975	37	56.1	0	0.0	29	43.9	66
1976	53	24.9	0	0.0	160	75.1	213
1977	1,034	49.1	0	0.0	1,074	50.9	2,108
1978	57,842	95.2	0	0.0	2,929	4.8	60,771
1979	346,021	97.0	33	0.0	10,508	2.9	356,562
1980	249,602	91.3	0	0.0	23,726	8.7	273,328
1981	155,653	96.1	10	0.0	6,236	3.9	161,899
1982	219,462	86.1	19,202	7.5	16,134	6.3	254,798
1983	109,822	86.4	3,658	2.9	13,677	10.8	127,157
1984	247,342	79.6	37,805	12.2	25,763	8.3	310,910
1985	128,931	75.8	18,033	10.6	23,082	13.6	170,046
1986	203,505	86.3	18,901	8.0	13,446	5.7	235,852
1987	169,763	75.5	30,445	13.5	24,532	10.9	224,740
1988	389,723	77.1	75,445	14.9	40,110	7.9	505,278
1989	305,558	69.2	88,376	20.0	47,463	10.8	441,397
1990	224,354	73.4	42,659	14.0	38,496	12.6	305,509
1991	199,104	63.6	51,215	16.4	62,891	20.1	313,210
1992	294,100	70.9	58,621	14.1	62,184	15.0	414,905
1993	148,565	69.4	26,364	12.3	39,050	18.2	213,979
1994	161,903	64.7	24,980	10.0	63,196	25.3	250,079
1995	185,974	73.1	26,020	10.2	42,477	16.7	254,471
1996	197,800	74.0	22,561	8.4	47,017	17.6	267,378
1997	47,254	42.4	19,855	17.8	44,225	39.7	111,334
1998	83,205	54.2	30,219	19.7	40,204	26.2	153,628
1999	143,560	74.6	11,734	6.1	37,186	19.3	192,480
2000	180,030	70.1	33,632	13.1	43,179	16.8	256,841
2001	149,064	70.7	30,125	14.3	31,708	15.0	210,897
2002	165,305	81.5	11,567	5.7	25,840	12.7	202,712
2003	74,947	57.3	11,253	8.6	44,652	34.1	130,852
2004	174,961	74.5	9,115	3.9	50,895	21.7	234,971
2005	105,844	74.7	3,829	2.7	32,019	22.6	141,692
2006	120,089	71.9	2,353	1.4	44,549	26.7	166,991
2007	120,881	81.0	4,126	2.8	24,315	16.3	149,322
2008	166,130	73.7	21,815	9.7	37,536	16.6	225,481
2009	213,281	85.9	10,549	4.2	24,519	9.9	248,349
2010	143,675	87.3	10,552	6.4	10,383	6.3	164,610
2011	110,317	72.0	20,241	13.2	22,733	14.8	153,291
2012	52,121	56.7	36,106	39.3	3,679	4.0	91,906
2013	158,785	54.1	108,273	36.9	26,466	9.0	293,524
2014	143,675	87.3	10,552	6.4	10,383	6.3	164,610
Average 2004–2013							
	137,251	74.2	21,592	11.7	26,134	14.1	184,977

<sup>a</sup> Harvest from 1987–1990, 1992, 1993, 1995–1998, and 2002–2003 include catch from limited openings in October.

<sup>b</sup> Does not include test fishery harvest.

Appendix D14.—South Peninsula (including Southeastern District Mainland fishery) Post-June (July 1–September 30) commercial pink salmon harvest by gear and year, 1974–2014.

Year <sup>a</sup>	Purse seine		Drift gillnet		Set gillnet		Total
	Number <sup>b</sup>	Percent	Number <sup>b</sup>	Percent	Number <sup>b</sup>	Percent	
1974	88,832	88.7	1,626	1.6	9,721	9.7	100,179
1975	54,435	98.3	0	0.0	960	1.7	55,395
1976	2,337,109	99.8	65	0.0	5,426	0.2	2,342,600
1977	1,427,176	98.9	0	0.0	16,069	1.1	1,443,245
1978	5,470,855	99.5	0	0.0	29,322	0.5	5,500,177
1979	6,310,680	98.5	12,365	0.2	86,539	1.4	6,409,584
1980	6,236,027	98.4	12	0.0	99,120	1.6	6,335,159
1981	4,461,903	97.4	7,176	0.2	112,564	2.5	4,581,643
1982	4,852,553	96.7	50,748	1.0	112,764	2.2	5,016,065
1983	2,688,187	97.0	5,586	0.2	77,971	2.8	2,771,744
1984	10,324,380	96.8	78,575	0.7	265,934	2.5	10,668,889
1985	4,096,285	94.7	21,803	0.5	205,797	4.8	4,323,885
1986	3,602,769	96.3	27,772	0.7	108,882	2.9	3,739,423
1987	1,135,252	95.3	3,025	0.3	53,235	4.5	1,191,512
1988	6,427,823	93.6	145,106	2.1	291,671	4.2	6,864,600
1989	6,641,815	93.7	85,946	1.2	362,134	5.1	7,089,895
1990	2,256,837	96.2	32,089	1.4	57,117	2.4	2,346,043
1991	9,614,533	96.4	26,740	0.3	336,150	3.4	9,977,423
1992	8,616,933	94.5	91,106	1.0	409,440	4.5	9,117,479
1993	9,494,663	96.5	12,037	0.1	337,262	3.4	9,843,962
1994	6,317,708	95.0	53,701	0.8	277,061	4.2	6,648,470
1995	15,404,768	95.5	41,868	0.3	677,097	4.2	16,123,733
1996	1,523,636	84.1	17,593	1.0	269,395	14.9	1,810,624
1997	1,627,495	95.8	14,435	0.9	56,059	3.3	1,697,989
1998	6,803,002	89.9	192,352	2.5	570,987	7.5	7,566,341
1999	8,016,735	95.3	12,045	0.1	383,971	4.6	8,412,751
2000	2,871,880	90.0	15,979	0.5	301,656	9.5	3,189,515
2001	3,629,078	91.3	20,999	0.5	322,729	8.1	3,972,806
2002	1,831,099	87.5	9,664	0.5	252,488	12.1	2,093,251
2003	3,679,093	91.1	13,377	0.3	347,476	8.6	4,039,946
2004	6,051,523	96.0	24,360	0.4	229,957	3.6	6,305,840
2005	7,386,836	95.3	6,258	0.1	361,721	4.7	7,754,815
2006	2,629,811	89.8	5,520	0.2	294,174	10.0	2,929,505
2007	6,485,719	92.2	5,134	0.1	540,949	7.7	7,031,802
2008	10,056,235	93.6	83,287	0.8	599,260	5.6	10,738,782
2009	5,350,718	94.7	47,711	0.8	253,034	4.5	5,651,463
2010	443,498	88.5	4,823	1.0	53,021	10.6	501,342
2011	4,013,553	94.0	33,045	0.8	222,331	5.2	4,268,929
2012	187,337	82.0	13,546	5.9	27,648	12.1	228,531
2013	7,192,644	96.0	81,475	1.1	215,081	2.9	7,489,200
2014	439,352	81.2	38,880	7.2	62,717	11.6	540,949
Average 2004–2013							
	4,567,021	94.0	31,276	0.6	259,990	5.4	4,858,287

<sup>a</sup> Harvest from 1987–1990, 1992, 1993, 1995–1998, and 2002–2003 include catch from limited openings in October.

<sup>b</sup> Does not include test fishery harvest.

Appendix D15.—South Peninsula (including Southeastern District Mainland fishery) Post-June (July 1–September 30) commercial chum salmon harvest by gear and year, 1974–2014.

Year <sup>a</sup>	Purse seine		Drift gillnet		Set gillnet		Total
	Number <sup>b</sup>	Percent	Number <sup>b</sup>	Percent	Number <sup>b</sup>	Percent	
1974	51,538	72.2	13,998	19.6	5,894	8.3	71,430
1975	29,336	98.0	0	0.0	592	2.0	29,928
1976	118,482	97.7	1,390	1.1	1,410	1.2	121,282
1977	114,058	90.0	0	0.0	12,704	10.0	126,762
1978	403,352	95.2	0	0.0	20,180	4.8	423,532
1979	346,006	91.4	2,834	0.7	29,872	7.9	378,712
1980	758,344	89.9	8	0.0	85,636	10.1	843,988
1981	1,105,265	92.0	4,125	0.3	92,064	7.7	1,201,454
1982	1,060,812	90.6	15,587	1.3	95,109	8.1	1,171,508
1983	829,281	90.4	19,913	2.2	68,004	7.4	917,198
1984	1,186,753	90.4	30,941	2.4	94,653	7.2	1,312,347
1985	828,645	90.8	18,521	2.0	65,414	7.2	912,580
1986	1,300,638	93.3	22,294	1.6	71,400	5.1	1,394,332
1987	811,464	87.3	43,115	4.6	75,203	8.1	929,782
1988	1,228,987	88.9	68,066	4.9	84,743	6.1	1,381,796
1989	417,978	77.7	44,605	8.3	75,594	14.0	538,177
1990	600,040	83.8	46,700	6.5	69,200	9.7	715,940
1991	635,031	79.6	25,465	3.2	137,394	17.2	797,890
1992	776,939	88.3	29,252	3.3	73,875	8.4	880,066
1993	448,204	87.3	17,871	3.5	47,503	9.2	513,578
1994	1,458,898	91.5	26,262	1.6	108,430	6.8	1,593,590
1995	1,039,506	88.6	22,517	1.9	110,941	9.5	1,172,964
1996	315,357	76.6	14,306	3.5	81,918	19.9	411,581
1997	239,619	84.4	13,278	4.7	31,032	10.9	283,929
1998	333,693	71.6	35,723	7.7	96,486	20.7	465,902
1999	427,414	75.3	21,247	3.7	119,268	21.0	567,929
2000	653,132	80.2	26,134	3.2	134,711	16.5	813,977
2001	696,166	79.7	25,762	2.9	151,637	17.4	873,565
2002	381,423	87.2	12,325	2.8	43,785	10.0	437,533
2003	287,757	81.4	11,867	3.4	54,080	15.3	353,704
2004	254,545	83.0	6,655	2.2	45,612	14.9	306,812
2005	260,703	84.2	1,818	0.6	47,030	15.2	309,551
2006	777,244	88.5	1,561	0.2	99,174	11.3	877,979
2007	327,484	85.7	2,059	0.5	52,705	13.8	382,248
2008	316,076	80.7	13,457	3.4	61,939	15.8	391,472
2009	851,190	86.5	19,509	2.0	113,245	11.5	983,944
2010	418,693	81.3	19,051	3.7	77,516	15.0	515,260
2011	416,883	76.9	44,251	8.2	80,651	14.9	541,785
2012	162,178	71.7	37,558	16.6	26,516	11.7	226,252
2013	405,997	73.9	84,073	15.3	59,465	10.8	549,535
2014	78,642	70.3	15,790	14.1	17,356	15.5	111,788
Average 2004–2013							
	388,149	82.2	22,344	4.7	61,928	13.1	472,421

<sup>a</sup> Harvest from 1987–1990, 1992, 1993, 1995–1998, and 2002–2003 include catch from limited openings in October.

<sup>b</sup> Does not include test fishery harvest.

## **APPENDIX E. SALMON ESCAPEMENT DATA**

## Appendix E1.—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. To account for the high variability of peak survey date, between 3 to 5 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 salmon escapements. 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, Coho Salmon:** These species tend to have a much longer stream life than pink and chum salmon. Therefore, the total indexed escapement is the peak escapement count combined with carcass counts. 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 conduct a thorough survey.

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 made approximately 2 weeks apart

**Pink and Chum Salmon:** Due to the high variability of survey conditions, between 3 to 5 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	<b>1,000</b>	<b>5,000</b>	0	0	0
17-Jul	15,000	25,000	5,000	0	0	0
1-Aug	10,000	<b>150,000</b>	10,000	0	0	0
15-Aug	3,000	100,000	25,000	500	1,000	0
1-Sep	<b>12,000</b>	<b>50,000</b>	55,000	<b>2,000</b>	<b>5,000</b>	<b>500</b>
Subtotal	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 3 weeks after adult pink and chum salmon 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 E2.—South Peninsula total indexed salmon escapements by species and year, 1974–2014.

Year	Number of salmon				Total
	Sockeye	Coho	Pink	Chum	
1974	95,600		284,400	257,300	637,300
1975	51,700		552,100	193,300	797,100
1976	69,700		1,456,400	327,200	1,853,300
1977	64,900		2,677,800	774,900	3,517,600
1978	64,800		2,858,700	600,500	3,524,000
1979	53,300		2,629,500	411,100	3,093,900
1980	45,900		2,641,600	362,400	3,049,900
1981	45,700		2,307,500	381,300	2,734,500
1982	39,200		2,293,000	386,900	2,719,100
1983	59,200		851,200	446,500	1,356,900
1984	54,800		3,811,600	699,700	4,566,100
1985	49,900		1,614,100	503,500	2,167,500
1986	48,000		1,716,700	544,600	2,309,300
1987	44,600		1,540,500	620,700	2,205,800
1988	74,100		2,839,600	496,400	3,410,100
1989	78,100		1,870,900	310,500	2,259,500
1990	95,300	87,500 <sup>a</sup>	1,598,400	354,700	2,048,400 <sup>b</sup>
1991	124,900		2,946,800	587,600	3,659,300
1992	97,600		2,834,400	335,500	3,267,500
1993	100,341		2,990,140	397,030	3,487,511
1994	120,255		3,071,725	579,100	3,771,080
1995	129,110		6,406,300	726,400	7,261,810
1996	72,950		3,647,550	610,300	4,330,800
1997	104,440		5,243,275	809,050	6,156,765
1998	85,440		4,668,065	742,235	5,495,740
1999	97,000		5,015,000	725,000	5,837,000
2000	69,530		2,792,985	522,075	3,384,590
2001	161,630		2,965,136	751,221	3,877,987
2002	192,749		3,762,800	602,750	4,558,299
2003	198,192		5,511,220	476,540	6,185,952
2004	220,861		8,311,410	732,400	9,264,671
2005	123,964		6,165,634	970,310	7,259,908
2006	88,148		2,862,250	764,750	3,715,148
2007	69,013		2,680,213	726,661	3,475,887
2008	95,859		3,338,370	591,950	4,026,179
2009	128,117		3,067,000	512,230	3,707,347
2010	38,039		742,912	291,912	1,072,863
2011	59,794		2,494,950	497,725	3,052,469
2012	56,300		478,910	205,242	740,452
2013	37,386		2,320,790	502,600	2,860,776
2014	37,670		1,340,380	313,615	1,691,665
Average 2003–2013	91,748		3,246,244	579,578	3,917,570

<sup>a</sup> In 1990, excellent survey conditions and additional funding allowed coho surveys during mid- and late-September.

<sup>b</sup> The 1990 coho numbers are not included in the total escapement.

Appendix E3.–South Peninsula total indexed salmon escapements by species, district, section, and stream, 2014.

		Number of salmon			
Stream number	Stream name	Sockeye	Coho <sup>a</sup>	Pink	Chum
Southeastern District					
East Stepovak Section					
281-35.07	Near Bluff				
281-35.06	Boulder Bay			1,700	
281-35.05	Fox Bay			1,700	
281-35.04	Fox Bay			400	
281-35.02	Fox Bay			800	
281-35.01	Fox Bay				
281-34.08	Island Bay				
281-34.07	Island Bay				
281-34.05 & .06	Island Bay		500	1,100	
281-34.04	Island Bay				
281-34.03	Stonehouse Creek		200	9,200	
281-34.02	Osterback's Creek			3,200	
Total East Stepovak Section		0	700	18,100	0
Stepovak Flats Section					
281-34.01	Granville's		100	4,300	
281-33.06	Granville Portage				
281-33.05	Stepovak River				2,800
281-33.04	Big River				6,400
281-33.03	Louis' Corner		200	300	5,100
281-33.01 & .02	Ramsey Bay				4,600
Total Stepovak Flats Section		0	300	4,600	18,900
Northwest Stepovak Section					
281-32.07	Grub Gulch		300	67,000	11,500
281-32.06	Clark Bay			3,200	
281-32.05	Clark Bay			28,200	2,000
281-31.04	Little Norway		100	35,600	2,400
281-31.03	Orzinski	16,100		26,000	
281-20.04	Windbound Bay			1,150	
281-20.02 & .03	Chichagof Lagoon		25	13,800	4,600
281-20.01	Chichagof			2,580	
281-10.04	West Cove			100	
281-10.03	Suzy Creek			10,300	
281-10.02	Dorenoi, Minor			4,600	
281-10.01	Dorenoi, Major		50	13,200	3,500
Total Northwest Stepovak Section		16,100	475	205,730	24,000

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Appendix E3.–Page 2 of 7.

Stream number	Stream name	Number of salmon			
		Sockeye	Coho <sup>a</sup>	Pink	Chum
Southwest Stepovak Section					
281-90.03 & .04	San Diego		40	16,600	11,300
281-90.02	Rough Beach			9,900	
281-90.01	Swedania Point			1,200	
Total Southwest Stepovak Section		0	40	27,700	11,300
Balboa Bay Section					
281-80.07	Lefty Creek				
281-80.16	Near Ballast Island				
281-80.15	Coleman Creek		500	3,000	16,400
281-80.14	Johnson Creek			4,200	3,200
281-80.12	Foster's Camp			2,800	
281-80.11	Monolith Point Creek			400	
281-80.09	Foster Creek	100	300	21,300	1,500
281-80.08	Lefthand River	110	130	3,200	
281-80.06	Cape Aliaksin, East			100	
281-80.05	Cape Aliaksin, Center			300	
281-80.04	Cape Aliaksin, West			1,800	
Total Balboa Bay Section		210	930	37,100	21,100
Beaver Bay Section					
281-70.05	Beaver River		900	24,500	1,000
281-70.05	Not Smilies				
Total Beaver Bay Section		0	900	24,500	1,000

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Appendix E3.–Page 3 of 7.

Stream number	Stream name	Number of salmon			
		Sockeye	Coho <sup>a</sup>	Pink	Chum
Shumagin Islands Section					
282-11.06	Korvin Lake				
282-11.05	West Korovin				
282-11.03	Foxhole			5,000	
282-11.01	Salmon Ranch				
282-10.18	Humbolt Creek				
282-10xx	Simeon's Bight				
282-10.20	Red Cove Lake				
282-12.10	Zachary Bay			1,000	
282-12.09	Zachary Bay				
282-12.08	Zachary Bay				
282-12.07 & .06	Zachary Bay			4,000	
282-12.05 & .04	Zachary Bay			10,000	3,000
282-12.03	Zachary Bay			300	3,000
282-12.02	Zachary Bay			200	
282-12.01	Zachary Bay				
282-13.01	Unga Spit				
282-13.02	Dry Lagoon			17,100	
282-13.03	Bay Point		30	2,400	
282-13.04	Pinnacle Point				
282-13.05	2nd Stream S. of Pinn Point				
282-13.06	3rd Stream S. of Pinn Point				
282-10.02	Little Apollo				
282-10.03	Big Apollo			100	
282-10.04	Acheredin	3,710			
282-10.12	Unga Cape				
282-10.10	Delarof Harbor				
282-10.11	Apollo Gold Mine Creek			500	
282-10.13	John Nelson				
282-10.14	Squaw Harbor, Minor				
282-10.15	Squaw Harbor, Major			7,000	
282-10.16	Farm			1,500	
282-20.01	Porpoise Rocks				
282-20.02	Porpoise Harbor				
282-20.03	Sanborn Lagoon-Lake				
282-20.04	Sanborn Harbor				
282-20.xx	Falmouth Harbor				
282-20.06	Falmouth Harbor				
282-20.08	East Bight				
282-20.09	West Bight				
Total Shumagin Islands Section		3,710	30	49,100	6,000
Southeastern District total		20,020	3,375	366,830	82,300

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Appendix E3.–Page 4 of 7.

Stream number	Stream name	Number of salmon			
		Sockeye	Coho <sup>a</sup>	Pink	Chum
South Central District					
Mino Creek-Little Coal Bay Section					
283-70.03	McGinty Point Creek			2,100	
283-70.02	East of Mino Creek			1,400	
283-70.01	Mino's Creek	510		71,500	4,400
283-62.06	Wosnesenski Lake				
283-62.05	Coal Bay, Main			6,200	
283-62.04	Coal Bay, #2			1,300	
283-62.03	Coal Bay, #3			300	
283-62.02	Coal Bay, #4				
283-62.01	Cape Tolstoi Creek				
	Total Mino Creek-Little Coal Bay Section	510	0	82,800	4,400
East Pavlof Bay Section					
283-63.16	Settlement Point Creek		4,000	83,800	
283-63.15	Middle Creek			39,700	
	Total East Pavlof Bay Section	0	4,000	123,500	0
Canoe Bay Section					
283-64.10	Ness Creek			400	
283-64.09					
283-64.08	Entrance Creek			5,100	
283-64.07	Wolverine Gulch	3,000			
283-64.06	Canoe Bay River			30,000	60,700
283-64.05	Bluff Point Creek			3,400	11,200
	Total Canoe Bay Section	3,000	0	38,900	71,900
West Pavlof Bay Section					
283-63.14	Dry Lagoon				
283-63.13	Jackson Lagoon	510			2,200
283-63.11	Chinaman Lagoon, North				800
283-63.10	Chinaman Lagoon, Main				1,370
283-63.09	Chinaman Lagoon 6309				
283-63.05 & .06	Chinaman Lagoon, South				6,200
283-63.04	Stream S. of Chinaman Lagoon				400
283-61.05	Long John Lagoon, East				
283-61.04	Long John Lagoon, Spring Fed Lakes		405		
283-61.03	Long John Lagoon, 2 South				
283-61.02	Long John Lagoon, Southwest	100		4,100	7,800
	Total West Pavlof Bay Section	610	405	4,100	18,770
South Central District total		4,120	4,405	249,300	95,070

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Stream number	Stream name	Number of salmon			
		Sockeye	Coho <sup>a</sup>	Pink	Chum
Southwestern District					
Volcano Bay Section					
284-52.10	Dushkin Lagoon			100	
284-52.08	Volcano River		350	25,200	26,600
284-52.07	Volcano Bay Center Sloughs		100	950	2,000
284-52.06	Volcano Bay West Spring Holes			7,300	100
284-52.05	Streamguard Creek			10,000	700
284-52.04	Stub Creek			920	
284-52.03	Little Bear Bay			2,500	
284-52.01	Nikolaski			400	
284-52.00	Little Nikolaski				
284-51.03	Dolgoi Harbor, North			75	
284-51.04	Dolgoi Harbor, Northeast				
284-51.05	Dolgoi Harbor, East				
284-51.06	Dolgoi Harbor, South				
Total Volcano Bay Section		0	450	47,445	29,400
Belkofski Bay Section					
284-41.01	Belkofski Village Creek			31,400	400
284-42.12	Rocky River			1,990	
284-42.10	Kitchen Anchorage			2,900	
284-42.09	Captain's Harbor			1,800	
284-42.07	Belkofski River			7,900	22,700
284-42.06	Belkofski Beach				
284-42.05	Belkofski Bay, West			5,300	
284-42.04	Belkofski Bay 4204				
284-42.03	Indian Head Creek			700	
284-33.05	Rams Creek				
284-33.04	King Cove Lagoon, North				
284-33.03	King Cove Lagoon, West				
Total Belkofski Bay Section		0	0	51,990	23,100
Deer Island Section					
284-31.01	Deer Island, North				
284-31.02	Fox Island Anchorage Center			80,100	
284-31.03	Fox Island Anchorage			55,000	
284-31.05	Paw Cape				
284-31.06	Southern Creek			316,400	
284-31.010	Eastern Creek			60,600	
Total Deer Island Section		0	0	512,100	0

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Appendix E3.–Page 6 of 7.

Stream number	Stream name	Number of salmon			
		Sockeye	Coho <sup>a</sup>	Pink	Chum
Cold Bay Section					
284-34.11	Outer Lenard Harbor				
284-34.13					
284-34.12					
284-34.10	Delta Creek			4,000	5,000
284-34.09	Barney's Creek			13,200	
284-34.07	Kinzarof Lagoon, East				
284-34.06	Kinzarof Lagoon, Center				
284-34.05	Kinzarof Lagoon, West				
284-34.03	Trout Creek				
284-34.02	Russel Creek		600	60,400	55,500
284-34.01	Mortensen Lagoon	500			
284-32.01	Old Man Lagoon	250			
Total Cold Bay Section		750	600	77,600	60,500
Thin Point Section					
284-20.06	Thin Point Lagoon				
284-20.07	Thin Point Lagoon SW				
284-20.10	Thin Point Lake	8,600			
284-20.09	Thin Point Stream				
284-20.04	Southwest Bight			1,600	
284-20.03	McGinty's Creek			4,200	900
284-20.01	Sandy Cove			11,700	12,800
Total Thin Point Section		8,600	0	17,500	13,700
Morzhovoi Bay Section					
284-11.01	Near Egg Island			500	
284-12.13	Little John Lagoon			1,325	3,175
284-12.12	Little John Sandpit				
284-12.10	Little John Rock				
284-12.11	Cannery Creek			200	
284-12.05	Middle Lagoon	2,200			
284-12.01	Hansen's Creek	800		350	
Total Morzhovoi Bay Section		3,000	0	2,375	3,175
Ikatan Bay Section					
284-60.08	Deadman's Cove		100	3,900	
284-60.07	Whalebone Bay	900		620	
284-60.06	Sankin Bay		60		
284-60.05	Whirl Point			280	
284-60.04	Ikatan River		80	400	870
284-60.03	Swede's Lake	230			
284-60.01	Ikatan Point			5,800	
Total Ikatan Bay Section		1,130	240	11,000	870
Southwestern District total		13,480	1,290	720,010	130,745

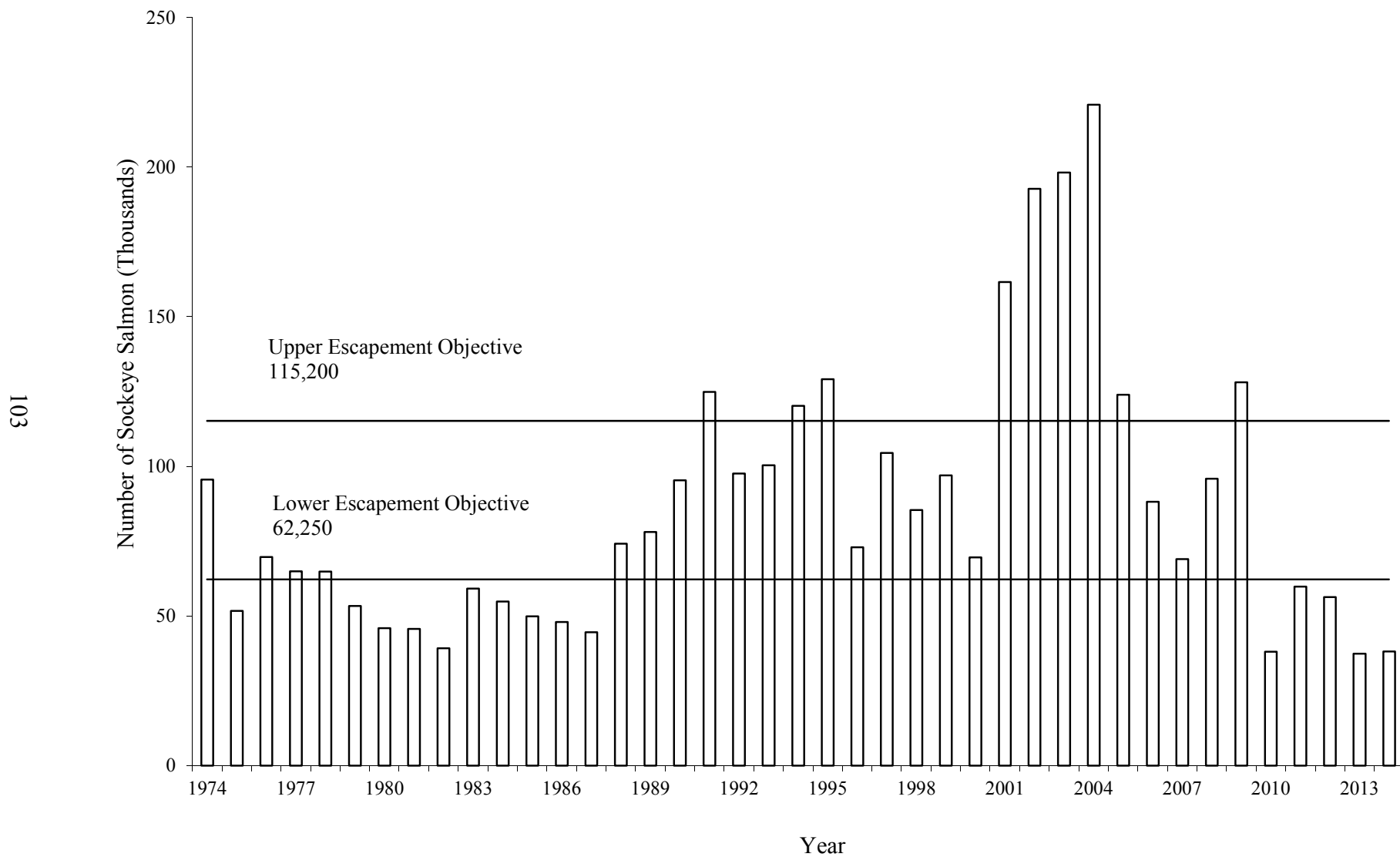
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Appendix E3.–Page 7 of 7.

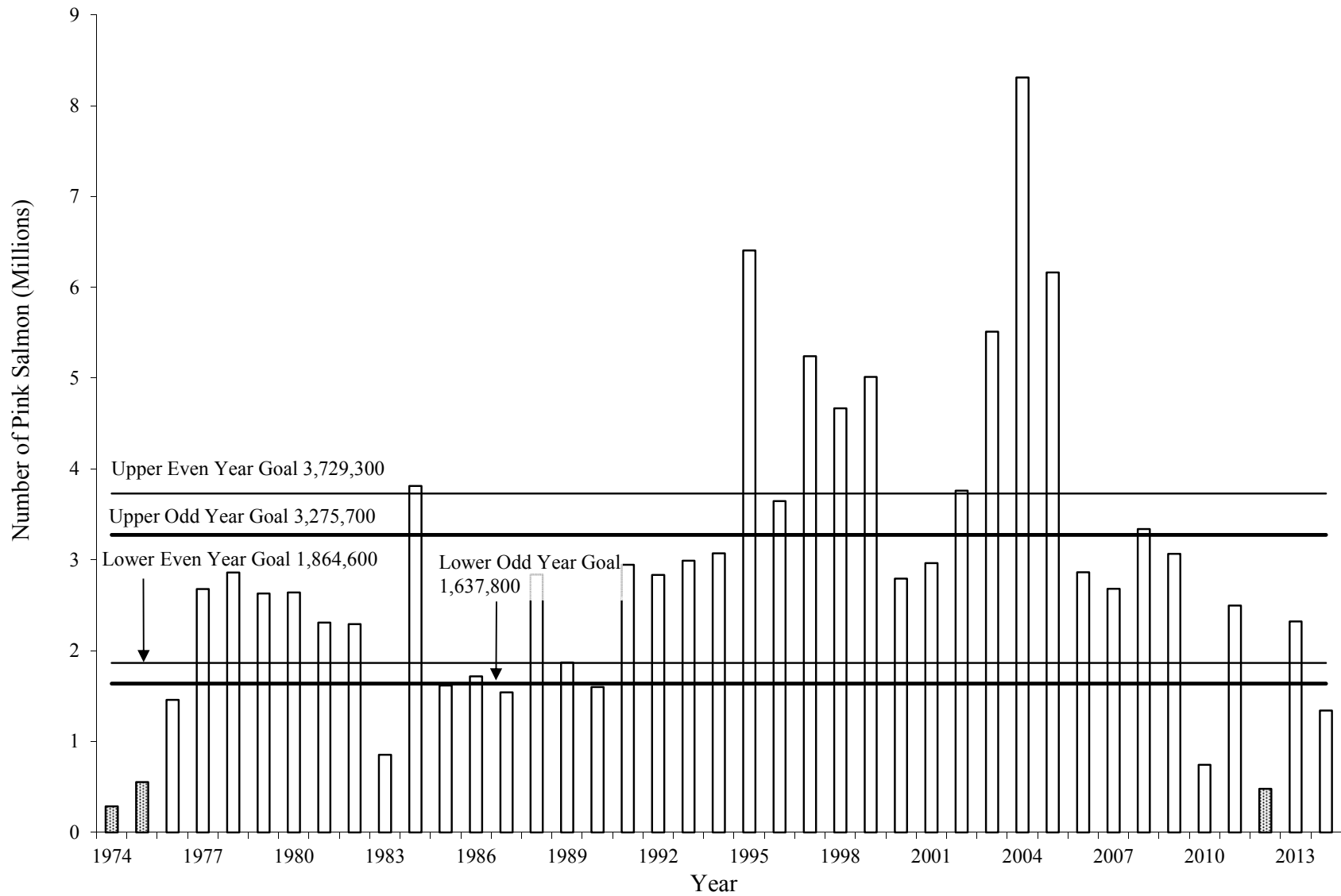
Unimak District				
Otter Cove Section				
285-50.00	Dora Harbor			
285-40.09	Otter Cove, East		2,140	2,800
285-40.08	Otter Cove, West	20	1,800	2,500
285-30.07	Conocal Red Hill Stream			
285-40.05	Lazaref River	50	300	250
Total Otter Cove Section		50	20	4,240
Sanak Island Section				
285-10.02	Pauloff Harbor			
285-10.03	Johnson Bay			
285-10.04	Unimak Cove			
285-10.10	Salmon Bay			
285-10.09	Sandy Bay			
285-10.05	Dodd's Bay, East			
285-10.08	Wahwoman Creek			
285-10.07	West Sanak Island, Trinity			
285-10.06	Near Sanak Village			
Total Sanak Island Section		0	0	0
Unimak District total		50	20	4,240
South Peninsula total		37,670	9,090	1,340,380
				313,545

<sup>a</sup> Only peak coho salmon escapement is estimated due to their late run timing.

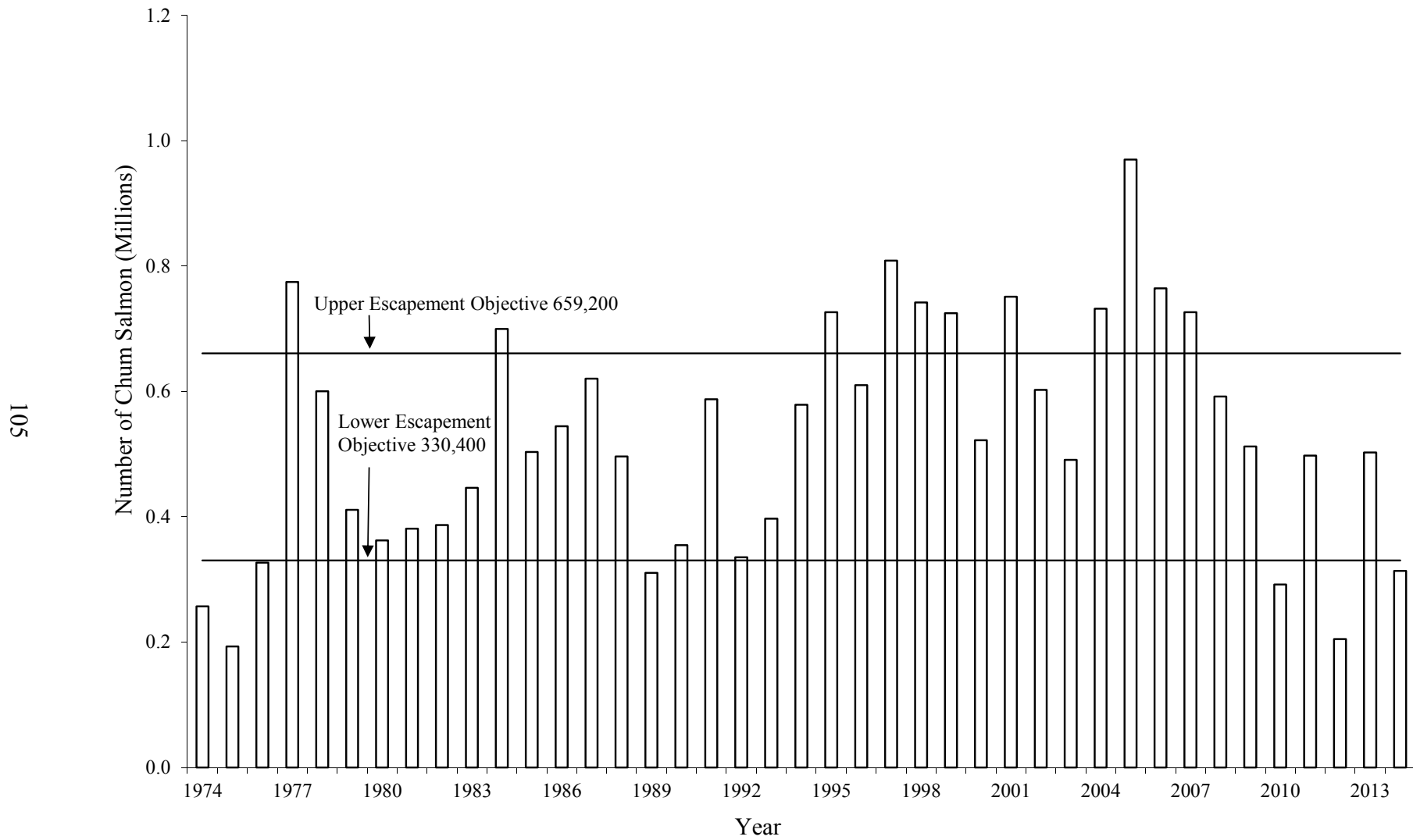
Appendix E4.–South Peninsula total indexed sockeye salmon escapement by year, 1974–2014.



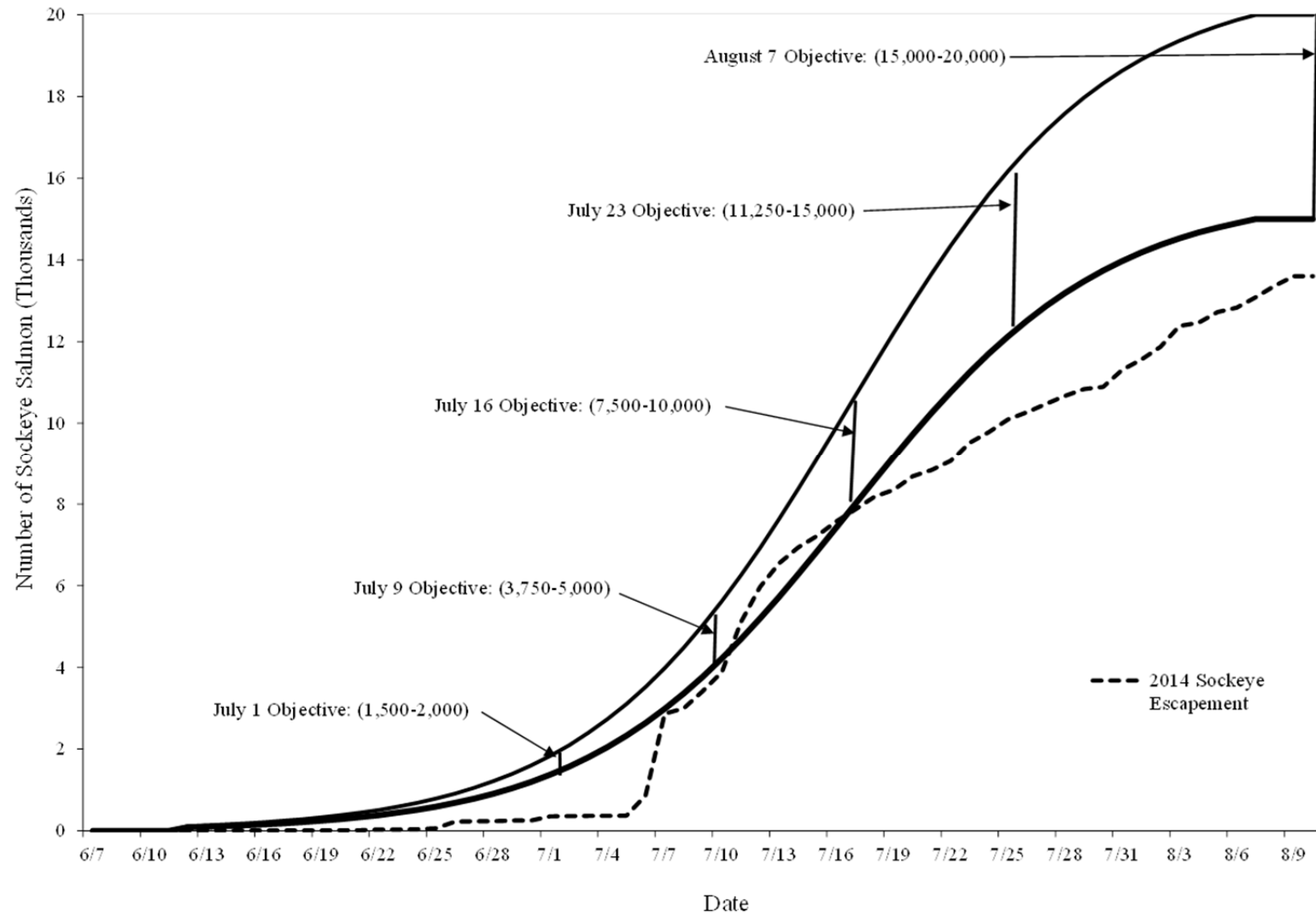
Appendix E5.—South Peninsula total indexed pink salmon escapement by year, 1974–2014.



Appendix E6.–South Peninsula total indexed chum salmon escapement by year, 1974–2014.



Appendix E7.—Sockeye salmon cumulative escapement counts through the Orzinski Lake weir, 2014 with upper and lower escapement goals defined.



Appendix E8.—Sockeye, pink, and chum salmon daily and cumulative escapement counts through the Orzinski Lake weir 2014.

Date	Sockeye				Pink		Chum	
	Adults	Jacks	Total	Cumulative	Daily	Cumulative	Daily	Cumulative
6-Jun	Weir Installed							
7-Jun	0	0	0	0	0	0	0	0
8-Jun	0	0	0	0	0	0	0	0
9-Jun	1	0	1	1	0	0	0	0
10-Jun	0	0	0	1	0	0	0	0
11-Jun	0	0	0	1	0	0	0	0
12-Jun	0	0	0	1	0	0	0	0
13-Jun	4	1	5	6	0	0	0	0
14-Jun	2	0	2	8	0	0	0	0
15-Jun	0	0	0	8	0	0	0	0
16-Jun	0	0	0	8	0	0	0	0
17-Jun	0	0	0	8	0	0	0	0
18-Jun	0	0	0	8	0	0	0	0
19-Jun	0	0	0	8	0	0	0	0
20-Jun	2	4	6	14	0	0	0	0
21-Jun	1	0	1	15	0	0	0	0
22-Jun	10	6	16	31	0	0	0	0
23-Jun	0	0	0	31	0	0	0	0
24-Jun	3	5	8	39	0	0	1	1
25-Jun	18	5	23	62	0	0	0	1
26-Jun	134	26	160	222	0	0	0	1
27-Jun	13	2	15	237	0	0	0	1
28-Jun	0	0	0	237	0	0	0	1
29-Jun	8	9	17	254	0	0	0	1
30-Jun	0	0	0	254	0	0	0	1
1-Jul	43	57	100	354	0	0	0	1
2-Jul	3	1	4	358	0	0	0	1
3-Jul	2	7	9	367	0	0	0	1
4-Jul	0	1	1	368	0	0	0	1
5-Jul	1	4	5	373	0	0	0	1
6-Jul	357	140	497	870	0	0	0	1
7-Jul	1,877	119	1,996	2,866	0	0	0	1
8-Jul	95	36	131	2,997	0	0	0	1
9-Jul	268	156	424	3,421	0	0	0	1
10-Jul	315	155	470	3,891	1	1	0	1
11-Jul	1,007	214	1,221	5,112	4	5	0	1
12-Jul	703	160	863	5,975	0	5	0	1
13-Jul	489	86	575	6,550	17	22	0	1
14-Jul	308	83	391	6,941	23	45	0	1

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Appendix E8.–Page 2 of 2.

Date	Sockeye				Pink		Chum	
	Adults	Jacks	Total	Cumulative	Daily	Cumulative	Daily	Cumulative
15-Jul	213	70	283	7,224	5	50	0	1
16-Jul	251	104	355	7,579	26	76	0	1
17-Jul	178	113	291	7,870	4	80	0	1
18-Jul	190	120	310	8,180	2	82	0	1
19-Jul	94	72	166	8,346	2	84	0	1
20-Jul	212	124	336	8,682	5	89	0	1
21-Jul	86	71	157	8,839	0	89	0	1
22-Jul	131	96	227	9,066	1	90	0	1
23-Jul	316	140	456	9,522	28	118	2	3
24-Jul	161	96	257	9,779	32	150	0	3
25-Jul	215	96	311	10,090	129	279	0	3
26-Jul	117	63	180	10,270	67	346	0	3
27-Jul	113	90	203	10,473	104	450	2	5
28-Jul	145	51	196	10,669	428	878	2	7
29-Jul	99	69	168	10,837	26	904	0	7
30-Jul	27	28	55	10,892	3	907	1	8
31-Jul	226	193	419	11,311	12	919	0	8
1-Aug	111	137	248	11,559	2	921	0	8
2-Aug	229	81	310	11,869	10	931	0	8
3-Aug	339	176	515	12,384	17	948	0	8
4-Aug	39	40	79	12,463	5	953	0	8
5-Aug	186	72	258	12,721	321	1,274	1	9
6-Aug	75	33	108	12,829	67	1,341	0	9
7-Aug	182	76	258	13,087	4,273	5,614	1	10
8-Aug	194	85	279	13,366	5,601	11,215	5	15
9-Aug	152	81	233	13,599	1,326	12,541	2	17
10-Aug	1	0	1	13,600	0	12,541	0	17
11-Aug	Weir Pulled							
12-Aug								
13-Aug								
14-Aug								
15-Aug								
Total	9,945	3,654	13,600		12,541		17	