

Fishery Management Report No. 09-57

**South Alaska Peninsula Salmon Annual Management
Report, 2009**

by

Aaron D. Poetter,

Matthew D. Keyse,

and

Alex C. Bernard

December 2009

Alaska Department of Fish and Game

Divisions of Sport Fish and Commercial Fisheries



Symbols and Abbreviations

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

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Alaska Department of Fish and Game, Division of Commercial Fisheries, Kodiak

Alaska Department of Fish and Game
Division of Sport Fish, Research and Technical Services
333 Raspberry Road, Anchorage, Alaska, 99518-1565

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*Aaron D. Poetter,
Matthew D. Keyse,
and
Alex C. Bernard*

*Alaska Department of Fish and Game, Division of Commercial Fisheries,
211 Mission Road, Kodiak, AK 99615, USA*

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ABSTRACT

This report summarizes the 2009 season and historical information regarding commercial salmon fisheries of the South Alaska Peninsula Management Area, commonly referred to as the South Peninsula, Area M.

The total commercial salmon harvest in the South Peninsula in 2009 was 5,875 Chinook *Oncorhynchus tshawytscha*, 1,724,516 sockeye *O. nerka*, 248,563 coho *O. kisutch*, 7,921,089 pink *O. gorbuscha*, and 1,684,583 chum *O. keta* salmon. Harvests of Chinook, coho, pink, and chum salmon were above recent 10-year averages (2000-2009). Sockeye salmon harvest was below the 10-year average. The number of permit holders participating in the fishery (238) was higher than the 10-year average.

The June commercial salmon harvest included 1,167,918 sockeye salmon and 696,775 chum salmon. Harvest in the South Unimak fishery was 595,221 sockeye salmon and 200,783 chum salmon, while the Shumagin Islands accounted for 572,697 sockeye and 495,992 chum salmon.

There was a salmon fishery in the Southeastern District Mainland (SEDM) during the allocation period, June 1 through July 25. The total commercial harvest in the SEDM in 2009 was 120 Chinook salmon, 151,765 sockeye salmon, 1,999 coho salmon, 59,799 pink salmon and 15,630 chum salmon. The total harvest for the Northwest Stepovak Section, from July 1 through July 25, was 45 Chinook salmon, 91,363 sockeye salmon, 184 coho salmon, 11,887 pink salmon, and 3,845 chum salmon.

The Post-June non-terminal harvest from the South Peninsula during the July 6-21 period included 711 Chinook, 172,027 sockeye, 90,034 coho, 805,019 pink, and 79,847 chum salmon. The July 6-21 harvest from terminal areas included 2 Chinook, 4,219 sockeye, 44 coho, 3,125 pink, and 518 chum salmon.

The Post-June non-terminal harvest from the South Peninsula during the July 22-31 period included 653 Chinook, 107,838 sockeye, 70,879 coho, 881,481 pink, and 110,033 chum salmon. Fishing in terminal areas was allowed as escapement objectives were met. Salmon harvests included 0 Chinook salmon, 6,291 sockeye salmon, 35 coho salmon, 101,284 pink salmon, and 4,189 chum salmon.

Commercial salmon harvest for August and September was composed of 525 Chinook salmon, 113,006 sockeye salmon, 84,980 coho salmon, 3,800,725 pink salmon, and 773,366 chum salmon.

Total escapement for sockeye salmon (128,117), pink salmon (3,067,000), and chum salmon (512,230) were within their respective escapement goal ranges for 2009. No Chinook salmon are known to spawn in South Peninsula streams. 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, 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 that includes waters of the North Peninsula from Cape Menshikof west to Cape Sarichef, and waters of the South Peninsula from Kupreanof Point west to Scotch Cap on Unimak Island (Appendix A1). This report describes those commercial salmon fisheries located in South Peninsula waters, which are further divided into four 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 two areas that have different management plans during part of the season: (1) Shumagin Islands Section, consisting of the Shumagin Islands archipelago and (2) Southeastern District Mainland (SEDM), consisting of Stepovak, Balboa, and Beaver bays (Appendix A3).

Legal gear types in South Peninsula waters include purse seine, drift gillnet, and set gillnet (Appendix A7). In 2009, only 53 of 133 purse seine permits had landings attributed to them in South Peninsula waters, as did 118 of 184 drift gillnet permits, and 67 of 123 set gillnet permits (Appendix A8). Most of the purse seine and set gillnet permit holders fished South Peninsula waters throughout the season, while most of the drift gillnet permit holders fished South Unimak waters during June and North 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*. Commercial salmon fisheries in South Peninsula waters date back to at least 1888, when canneries were operated at Orzinski Bay and Thin Point Cove; however, catch records are only available since 1908 (Appendix A9). Fish ticket data from 1970 to the present are stored in the department's database.

HISTORICAL SALMON PRODUCTION, 1908-2009

Historically, South Peninsula salmon production for all species has fluctuated dramatically (Appendix A9). Since 1962, annual combined pink salmon catch and escapements (excluding June migrants) ranged from 149,421 fish in 1973 to 22,530,258 fish in 1995 (Appendix A10). Since 1962, annual combined chum salmon catch and escapements (excluding June harvests, which are not considered local stocks) ranged from 223,228 fish in 1975 to 2,175,845 fish in 1994 (Appendix A11).

From 1947 to 1977, South Peninsula annual total harvests (including June migrants) averaged 2,896,285 salmon and was composed of 2,567 Chinook salmon; 591,844 sockeye salmon; 26,747 coho salmon; 1,523,900 pink salmon; and 751,226 chum salmon (Appendix A9). Pink and sockeye salmon are currently the most abundant salmon species harvested in the South Peninsula (Appendix A9 and A12). From 1978 to 1999, South Peninsula annual harvests averaged 10,649,271 salmon, which was composed of 9,019 Chinook salmon; 2,252,692 sockeye salmon; 255,805 coho salmon; 6,807,750 pink salmon; and 1,324,006 chum salmon (Appendix A9). From 2000 to 2009, South Peninsula annual harvest has averaged 9,108,394 salmon and was composed of 4,902 Chinook salmon; 1,746,636 sockeye salmon; 197,311 coho salmon; 6,227,791 pink salmon; and 931,754 chum salmon.

COMMERCIAL SALMON HARVESTS FOR THE 2009 SEASON

The first South Peninsula commercial salmon landing in 2009 occurred on June 7 and the last landing occurred on September 30 (Appendix A13). The 2009 South Peninsula commercial harvest of 11,584,626 salmon was composed of 5,875 Chinook salmon; 1,724,516 sockeye salmon; 248,563 coho salmon; 7,921,089 pink salmon; and 1,684,583 chum salmon (Appendix A9). The Southeastern District had the largest commercial salmon harvest of all districts located in the South Alaska Peninsula, with a total harvest of 6,469,207 fish (56%). South Central, Southwestern, and Unimak districts had respective harvests of 786,227 (7%), 3,106,793 (27%), and 1,199,399 salmon (10%), respectively (Appendix A14). By gear type, purse seine permit holders accounted for 86.2% of the total harvest while drift gillnet permit holders harvested

5.1%, and set gillnet permit holders harvested 8.8% of the total harvest (Appendix A15). Specific management actions for the South Peninsula Management Area, as directed by emergency order, are summarized in Appendix A16.

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 (Appendix B1). During the early to mid 1960s, the South Unimak and Shumagin Islands fisheries were open to commercial salmon fishing five days per week. From 1967-1970, fishing occurred seven days per week. Special regulatory meetings were held annually and resulted in different regulations every year from 1971-1974 (Appendix B2).

In 1975, the Alaska Board of Fisheries (board) 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 fall Yukon River 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) as detailed in Appendix B2.

In January 2001, the board modified the South Unimak and Shumagin Islands June salmon fishery management plan. These modifications were in effect through the 2003 season and included the elimination of the sockeye salmon GHL and the chum salmon cap. Fishing time for any gear group was reduced to a maximum of 16 hours per day. Fishing time by seine and drift gillnet gear was limited to a maximum of 48 hours in a floating seven day period with no more than two 16-hour periods on consecutive days in any seven day period. Purse seine and drift gillnet fishing periods through June 24 occurred at the same time in the South Unimak and Shumagin Islands fisheries. Set gillnet fishermen were managed under slightly different constraints.

From June 10 through June 24, set gillnet gear could be operated on consecutive days for 16-hour fishing periods as long as the set gillnet sockeye to chum salmon ratio was above the recent 10-year average in each fishery. If the set gillnet sockeye to chum salmon ratio fell below the recent 10-year average in either of the fisheries (South Unimak or Shumagin Islands), that fishery was closed for one period. From June 10 through June 24, daily fishing periods for set gillnet gear were from 6:00 AM until 10:00 PM.

After June 24, in either the South Unimak or Shumagin Islands fisheries, if the ratio of sockeye to chum salmon, for all gear combined, was 2:1 or less on any day, the next fishing period was six hours in duration for all gear groups in that fishery. If the ratio of sockeye to chum salmon was 2:1 or less for two consecutive fishing periods in either fishery, the season was closed for the remainder of June for all gear groups. If the sockeye to chum salmon ratio was greater than 2:1, a six-hour fishing period could be extended to a maximum of 16 hours.

In February 2004, the board 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, which was 64 hours. Fishing time was concurrent 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.

2007-2009 MANAGEMENT PLAN

In February 2007, the board made modifications to the *June Fishery Management Plan*:

1. Changed the description of the Sanak Island Section;
2. Expanding the use of drift gillnets to the following portion of the Southwestern District; south and east of a line from Cape Pankof Light (54° 39.60' N. lat., 163° 03.70' W. long.) to Thin Point (54° 57.32' N. lat., 162° 33.50' W. long.); south of a line from Thin Point (54° 57.32' N. lat., 162° 33.50' W. long.) to the northernmost tip of Stag Point (54° 59.10' N. lat., 162° 18.10' W. long.) on Deer Island to the southernmost tip of Dolgoi Cape (55° 03.15' N. lat., 161° 44.35' W. long.) on Dolgoi Island and south of the latitude of the northeastern tip of Dolgoi Island (55° 07.50' N. lat., 161° 38.30' W. long.) (Appendix B3);
3. Allowed the use of salmon net pens;
4. Allowed two Commercial Fisheries Entry Commission (CFEC) set gillnet permit holders aboard a registered set gillnet fishing vessel, to tow a second registered CFEC set gillnet vessel that has a second aggregate of set gillnet gear onboard.

For a detailed regulatory history, see Appendix B2. For details on historical harvests and allocations, see Appendices B4-B23.

2007 JUNE SEASON SUMMARY

A total of 185 permit holders harvested 1,589,840 sockeye salmon and 297,539 chum salmon during the 2007 South Unimak and Shumagin Islands June fisheries (Appendix B4).

During the 2007 South Unimak June fishery, 126 permit holders harvested 737,642 sockeye and 153,334 chum salmon (Appendices B8 and B9 in Poetter et al. 2008; Appendix B5). In the South Unimak fishery, 13 purse seine permit holders harvested 108,659 sockeye and 34,534 chum salmon (Appendix B10 in Poetter et al. 2008); 87 drift gillnet permit holders harvested 560,544 sockeye and 115,461 chum salmon (Appendix B11 in Poetter et al. 2008); and 26 set gillnet permit holders harvested 68,439 sockeye and 3,339 chum salmon (Appendix B12 in Poetter et al. 2008). Drift gillnet harvest in the new expanded area, as identified at the 2007 board meeting, (Appendix B3) was minimal. Confidentiality requirements do not allow actual harvests to be reported.

During the 2007 Shumagin Islands June fishery, 73 permit holders harvested 852,198 sockeye and 144,205 chum salmon (Appendices B8 and B13 in Poetter et al. 2008; Appendix B6). Twenty-six purse seine permit holders harvested 707,696 sockeye and 133,379 chum salmon (Appendix B14 in Poetter et al. 2008), and 47 set gillnet permit holders harvested 144,502 sockeye and 10,826 chum salmon (Appendix B15 in Poetter et al. 2008).

Purse seine permit holders harvested 14.7% of the sockeye and 22.5% of the chum salmon in the South Unimak fishery, and 83.0% of the sockeye and 92.5% of the chum salmon in the Shumagin Islands fishery (Appendices B16-B20). Drift gillnet permit holders harvested 76.0% of the sockeye and 75.3% of the chum salmon in the South Unimak fishery (Appendices B16-18). Set gillnet permit holders harvested 9.3% of the sockeye and 2.2% of the chum salmon in the South Unimak fishery, and 17.0% of the sockeye and 7.5% of the chum salmon in the Shumagin Islands June fishery (Appendix B16-B20).

June sockeye to chum salmon harvest ratios were about 4.8:1 in the South Unimak fishery and 5.9:1 in the Shumagin Islands fishery (Appendix B21). The overall sockeye to chum salmon ratio for both fisheries was about 5.3:1. In the South Unimak fishery, the sockeye to chum salmon ratio was 3.1:1 for purse seine, 4.9:1 for drift gillnet, and 20.5:1 for set gillnet permit holders (Appendix B22). In the Shumagin Islands fishery, the sockeye to chum salmon ratio was 5.3:1 for purse seine and 13.3:1 for set gillnet permit holders. In 2007, 37 purse seine, 87 drift gillnet, and 61 set gillnet permit holders recorded commercial salmon deliveries in the South Unimak and Shumagin Islands June fisheries (Appendix B23).

2008 JUNE SEASON SUMMARY

A total of 196 permit holders harvested 1,713,575 sockeye salmon and 410,932 chum salmon during the 2008 South Unimak and Shumagin Islands June fisheries (Appendix B4).

During the 2008 South Unimak June fishery, 139 permit holders harvested 1,064,570 sockeye and 284,449 chum salmon (Appendices B8 and B9 in Poetter 2009; Appendix B5). In the South Unimak fishery, 15 purse seine permit holders harvested 256,971 sockeye and 96,576 chum salmon (Appendix B10 in Poetter 2009); 109 drift gillnet permit holders harvested 762,898 sockeye and 181,758 chum salmon (Appendix B11 in Poetter 2009), and 15 set gillnet permit holders harvested 44,701 sockeye and 6,115 chum salmon (Appendix B12 in Poetter 2009). Drift gillnet harvest in the new expanded area (Appendix B3) was minimal. Confidentiality requirements do not allow actual harvests to be reported.

During the 2008 Shumagin Islands June fishery, 64 permit holders harvested 649,005 sockeye and 126,483 chum salmon (Appendices B8 and B13 in Poetter 2009; Appendix B6). Twenty-eight purse seine permit holders harvested 556,696 sockeye and 112,924 chum salmon (Appendix B14 in Poetter 2009), and 36 set gillnet permit holders harvested 92,309 sockeye and 13,559 chum salmon (Appendix B15 in Poetter 2009).

Purse seine permit holders harvested 24.1% of sockeye and 34.0% of chum salmon in the South Unimak fishery, and 85.8% of sockeye and 89.3% of chum salmon in the Shumagin Islands fishery (Appendices B16-B20). Drift gillnet permit holders harvested 71.7% of sockeye and 63.9% of chum salmon in the South Unimak fishery (Appendices B16-18). Set gillnet permit holders harvested 4.2% of sockeye and 2.1% of chum salmon in the South Unimak fishery, and 14.2% of sockeye and 10.7% of chum salmon in the Shumagin Islands June fishery (Appendix B16-B20).

The June sockeye to chum salmon harvest ratios were 3.7:1 in the South Unimak fishery and 5.1:1 in the Shumagin Islands fishery (Appendix B21). The overall ratio for both fisheries combined, was 4.2:1. In the South Unimak fishery, sockeye to chum salmon ratio was 2.7:1 for purse seine, 4.2:1 for drift gillnet, and 7.3:1 for set gillnet permit holders (Appendix B22). In the Shumagin Islands fishery, sockeye to chum salmon ratio was 4.9:1 for purse seine and 6.8:1 for

set gillnet permit holders. In 2008, 38 purse seine, 109 drift gillnet, and 49 set gillnet permit holders recorded commercial salmon deliveries in the South Unimak and Shumagin Islands June fisheries combined (Appendix B23).

2009 JUNE SEASON SUMMARY

A total of 216 permit holders harvested 1,167,918 sockeye salmon and 696,775 chum salmon during the 2009 South Unimak and Shumagin Islands June fisheries (Appendix B4). In addition, 2,248,555 pink salmon were harvested in June which was the second largest since 1970 (Appendix B4).

During the 2009 South Unimak June fishery, 150 permit holders harvested 595,221 sockeye and 200,783 chum salmon (Appendices B5, B8, and B9). In the South Unimak fishery, 18 purse seine permit holders harvested 174,467 sockeye and 85,945 chum salmon (Appendix B10), 116 drift gillnet permit holders harvested 350,382 sockeye salmon and 105,764 chum salmon (Appendix B11); and 16 set gillnet permit holders harvested 70,372 sockeye salmon and 9,074 chum salmon (Appendix B12). Drift gillnet harvest in the new expanded area (Appendix B3) was minimal. Confidentiality requirements do not allow actual harvests to be reported.

During the 2009 Shumagin Islands June fishery, 69 permit holders harvested 572,697 sockeye salmon and 495,992 chum salmon (Appendices B6, B8, and B13). Twenty-six purse seine permit holders harvested 423,423 sockeye salmon and 451,820 chum salmon (Appendix B14), and 43 set gillnet permit holders harvested 149,274 sockeye and 44,172 chum salmon (Appendix B15).

Purse seine permit holders harvested 29.3% of sockeye salmon and 42.8% of chum salmon in the South Unimak fishery, and 73.9% of the sockeye salmon and 91.1% of chum salmon in the Shumagin Islands fishery (Appendices B16-B20). Drift gillnet permit holders harvested 58.9% of the sockeye and 52.7% of the chum salmon in the South Unimak fishery (Appendices B16-18). Set gillnet permit holders harvested 11.8% of sockeye salmon and 4.5% of chum salmon in the South Unimak fishery, and 26.1% of sockeye salmon and 8.9% of chum salmon in the Shumagin Islands June fishery (Appendix B16-B20).

The June sockeye to chum salmon harvest ratios were 3.0:1 in the South Unimak fishery and 1.2:1 in the Shumagin Islands fishery (Appendix B21). The overall ratio for both fisheries combined, was 1.7:1. In the South Unimak fishery, the sockeye to chum salmon ratio was 2.0:1 for purse seine, 3.3:1 for drift gillnet, and 7.8:1 for set gillnet permit holders (Appendix B22). In the Shumagin Islands fishery, the sockeye to chum salmon ratio was 0.9:1 for purse seine and 3.4:1 for set gillnet permit holders. In 2009, 42 purse seine, 116 drift gillnet, and 58 set gillnet permit holders recorded commercial salmon deliveries in the South Unimak and Shumagin Islands June fisheries combined (Appendix B23).

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). This area is subdivided into the East Stepovak, Stepovak Flats, Northwest Stepovak, Southwest Stepovak, Balboa Bay, and Beaver Bay sections (Appendix C2).

The SEDM has been managed under a variety of management criteria. 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 the Chignik River. In 1985, the June 1 through July 25 sockeye salmon harvest allocation criteria were added to the management plan. The harvest allocation has fluctuated between 6% and 7.0% 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. A historical regulatory summary can be found in Appendix C3.

Since the inception of the allocation criteria in 1985, SEDM harvest of Chignik-bound sockeye salmon has ranged from 0% in 1997, 2007, and 2008 to 11.5% in 2005 (Appendix C4). The recent 10-year (2000-2009) SEDM sockeye salmon harvest averaged 67,120 fish or 5.4% of Chignik-bound sockeye salmon harvest (Appendices C4 and C5). Since 1985, on average 56% of the sockeye salmon harvested in the SEDM occurred during the June 1 through July 25 timeframe (Appendix C6).

The current plan provides that 80% of the 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 sockeye salmon run to Orzinski Lake. 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 Peninsula fishermen participated in both the 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. This selling or transferring of 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 C8 and C9). 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 C8). Between 2000 and 2009, the number of set gillnet permits fished in the SEDM averaged 37 with an average of 579 total landings (Appendix C8).

In contrast, the number of purse seine permits fished has fluctuated dramatically since 1985, and ranged from 6 in 1987 and 1992, to a high of 69 in 1990 and have averaged 12 from 2000 through 2009 (Appendix C10 and C11). Purse seine landings in SEDM have fluctuated between 9 and 131 since 1985 but have averaged 20 landings over the most recent 10 years (2000-2009; Appendix C10).

LOCAL STOCK FISHERIES

Northwest Stepovak Section

Prior to July 1, 80% of the sockeye salmon harvested in NWSS are attributed to Chignik-bound sockeye salmon allocation (5 AAC 09.360 (f)). Beginning July 1, all sockeye salmon caught within the NWSS are considered bound for Orzinski Lake. Orzinski Lake sockeye salmon escapements are assessed using a weir. The Orzinski Lake sockeye salmon escapement goal was

developed with historical aerial survey and weir count data, and implemented during the 1991 season (Appendix C12). The sockeye salmon escapement goal for Orzinski Lake was 15,000-20,000 fish (Honnold et al. 2007). From 2000 to 2009 sockeye salmon escapement averaged 37,342 fish and ranged from 10,643 in 2007 to 75,450 sockeye salmon in 2004 (Appendix C13 and C14).

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 the sockeye salmon harvested in the Stepovak Flats Section are considered Chignik-bound and assigned to the 7.6% allocation criteria stated in the current 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 31 to protect schooling chum salmon.

2007-2009 MANAGEMENT PLAN

Under the current SEDM management plan (5 AAC 09.360)

1. The percentage of Chignik-bound sockeye salmon allocated to the SEDM fishery was 7.6% of the total number of sockeye salmon harvested in the CMA through July 25.
2. Prior to July 1, 80% of the sockeye salmon caught in the SEDM were considered to be Chignik-bound salmon.
3. Beginning July 1, sockeye salmon caught in NWSS (Appendix C2) were 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 seven-day period. Fishing time in Orzinski Bay, after June 30, was 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 09.360(e)(2)(B).
5. A limited portion of Orzinski Bay could open to purse seine gear prior to July 11 if the department determined the interim escapement objectives had been exceeded.
6. The Stepovak Flats Section was 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. The department could extend the Kupreanof Point closed waters area through the end of the season by emergency order.
8. From July 26 through September 30, the fisheries are managed for local sockeye, pink, chum, and coho salmon stocks.

9. From July 26 through September 30, the fisheries are closed for at least one 36-hour period within a seven-day period.
10. Terminal harvest areas within the SEDM are managed from July 22 through July 31 as specified under the *South Peninsula Post-June Management Plan 5AAC 09.366(g)*.

2007 SEASON SUMMARY

The 2007 forecast for the total harvest of Chignik-bound sockeye salmon was 674,000 sockeye salmon for the early run (Black Lake) and 651,000 salmon for the late run (Chignik Lake) (Eggers 2007). The forecast indicated that a fishery could occur in SEDM since a harvest of at least 600,000 sockeye salmon was expected in CMA before the end of the allocation period (June 1 through July 25).

The Chignik early run returned later than expected and commercial fishing was not allowed in the CMA until June 15. Commercial fishing was then suspended in CMA from June 18 through June 25, to allow for additional escapement. Due to the late timing of the Chignik early run and the lower than expected Chignik harvest, total Chignik harvest did not reach 600,000 sockeye salmon until July 25. As a result, SEDM was not opened to commercial salmon fishing during the allocation period for the first time since the management plan was enacted in 1985. No sockeye salmon were harvested in NWSS during this period (Appendix C16).

In 2007, Orzinski Lake weir was operated from June 8 through August 13 and 10,643 sockeye salmon (of which 4,580 were jack sockeye salmon) were counted through the weir (Appendix C13 and C14). The run was unusually late in 2007 and daily sockeye salmon escapements were recorded until August 13, at which time the weir was removed. Typically the weir is removed around August 3, and because the weir was operated unusually late in the season, no post-weir estimate was added to the total escapement. As a result of low Chignik harvest and low Orzinski escapement, fishing was not permitted in the NWSS between June 1 and July 25 (Appendix C16). Furthermore, no additional fishing was permitted in Orzinski Bay from July 1 through July 25.

Between July 26 and August 31 SEDM was managed on the abundance of local sockeye, pink, chum, and coho salmon. During this time, Beaver Bay, Balboa Bay, Southwest Stepovak, and East Stepovak sections of SEDM (Appendix C2) were opened for a total of 397 hours. Total SEDM harvest from July 26 through August 31 was 17 Chinook salmon, 145,954 sockeye salmon, 9,035 coho salmon, 1,356,092 pink salmon, and 38,209 chum salmon (Appendix C25 in Poetter et al. 2008). For the majority of August, NWSS of SEDM remained closed due to low pink and chum salmon escapements and only opened for 60 hours starting August 15. In that time, the total all gear combined harvest for the NWSS was 127 sockeye salmon, 142 coho salmon, 66,839 pink salmon, and 1,097 chum salmon (Appendix C22 in Poetter et al. 2008).

From September 1 through September 30 SEDM was opened based on the abundance of local coho salmon, for a total of 350 hours, of which 120 hours were extensions. Total harvest during September was 1 Chinook salmon, 21,344 sockeye salmon, 4,850 coho salmon, 2,444 pink salmon, and 2,440 chum salmon (Appendix C25 in Poetter et al. 2008).

2008 SEASON SUMMARY

The 2008 forecast for the total harvest of Chignik-bound sockeye salmon was 720,000 sockeye salmon for the early run (Black Lake) and 401,000 salmon for the late run (Chignik Lake)

(Nelson et al. 2008). The forecast indicated that a fishery could occur in the SEDM since a harvest of at least 600,000 sockeye salmon was expected in the CMA before the end of the allocation period (June 1 through July 25).

The Chignik River early run returned later than expected and commercial fishing was not allowed in the CMA until June 24. Due to the late timing of the Chignik River early run and the lower than expected harvest, total harvest in CMA did not reach 600,000 sockeye salmon until August 18. As a result, commercial salmon fishing was not allowed in the SEDM during the allocation period.

In 2008, Orzinski Lake weir was operated from June 13 through August 12 and passed 36,839 sockeye salmon (Appendix C13 and C14). Because the weir was operated later in the season, no post weir estimate was added to total escapement. Due to strong Orzinski Lake sockeye salmon escapement, commercial fishing was permitted in the NWSS with the first opening on July 3. As a result, 27 set gillnet and one purse seine permit holder made deliveries between July 3 and July 25 (Appendix C17 in Poetter 2009). A total of 31,669 sockeye salmon were harvested during this time frame (Appendix C16 and C17). Although liberal fishing time was permitted, the commercial fishery seemed ineffective at harvesting the surplus sockeye salmon returning to Orzinski Lake.

Between July 26 and August 31, SEDM was managed on the abundance of local pink, chum, and coho salmon. Due to strong returns of pink and chum salmon, the maximum amount of commercial fishing that could be permitted was allowed through August 20. Because of the strong pink salmon return to South Peninsula and higher than average price being offered by buyers, the department received frequent reports of illegal fishing activity. Due to these reports and concern for late season escapement the fishery was shut down August 20 through August 31. The total SEDM harvest from July 26 through August 20 was 357 Chinook salmon, 118,149 sockeye salmon, 36,910 coho salmon, 2,634,166 pink salmon, and 63,071 chum salmon (Appendix C19 in Poetter 2009). From September 1 through September 30 SEDM was opened based on the abundance of local coho salmon. The total harvest from September 1 through September 30 was 4 Chinook salmon, 19,361 sockeye salmon, 10,516 coho salmon, 2,365 pink salmon, and 3,053 chum salmon (Appendix C19 in Poetter 2009).

2009 SEASON SUMMARY

The 2009 forecast for the total run estimate of Chignik-bound sockeye salmon was 846,000 fish for the early run (Black Lake) and 535,000 fish for the late run (Chignik Lake) (Volk et al. 2009). The forecast suggested that a fishery might not occur in the SEDM unless at least 600,000 sockeye salmon were harvested in the CMA before the end of the allocation period (June 1 through July 25).

Commercial salmon fishing was not allowed in the CMA until June 20. The total harvest in the Chignik Management Area did not reach 600,000 sockeye salmon until July 11. Set gillnet fishermen were first allowed in SEDM on July 9 and 10, with the purse seine fishermen following on July 13. There were a total of two openings for the set gillnet fleet and five openings for both set gillnet and purse seine gear. A total of 75 Chinook, 60,402 sockeye, 1,815 coho, 47,912 pink salmon and 11,785 chum salmon were harvested in the SEDM (Appendix C16 and C18).

In 2009, Orzinski Lake weir was operated from June 12 through August 3 and passed 21,457 sockeye salmon (Appendix C13 and C14). Additional aerial surveys were conducted after the weir was removed but observed no additional sockeye salmon escaping into Orzinski Lake. Due to the strong Orzinski Lake sockeye salmon escapement, commercial fishing was permitted in the Northwest Stepovak Section with the first opening on July 1. As a result, 35 set gillnet and three purse seine permit holder made deliveries between July 3 and July 25. A total of 91,363 sockeye salmon were harvested during this time frame (Appendix C16 and C17).

Between July 26 and August 31 SEDM is managed on the abundance of local pink, chum, and coho salmon. Total SEDM harvest from July 26 through August 31 was 29 Chinook salmon, 83,544 sockeye salmon, 9,386 coho salmon, 803,112 pink salmon, and 131,722 chum salmon (Appendix C18). From September 1 through September 30 the SEDM was opened based on the abundance of local coho salmon. Total harvest from September 1 through September 30 was 3 Chinook salmon, 7,674 sockeye salmon, 5,017 coho salmon, 12,145 pink salmon, and 3,208 chum salmon (Appendix C18).

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).

Until 1974, the South Peninsula Post-June salmon fishery was generally opened five days per week, with a season closure on August 10 to allow for adequate escapement into local streams and maintain product quality (McCullough 1995; Appendix D1). During 1974 and 1975, the fisheries were severely restricted to rebuild pink salmon runs. From 1976 to 1991, the salmon fisheries were managed by emergency order based on local stock run strength. From July 6 to approximately July 18 fishing periods were based on chum salmon run strength, while from approximately July 18 through August 20, fishing periods were based primarily on pink salmon run strength. Fishing continued into late August in years of strong pink salmon runs. Migratory salmon were also harvested during these openings and, in some years, are believed to have contributed substantially to total Post-June harvest. Beginning September 1, fishing periods were based on local coho salmon run strength, and to a lesser degree on local pink and chum salmon run strength (Appendix D1).

In 1991, the board established the *Post-June Salmon Management Plan* for the South Alaska Peninsula (5 AAC 09.366; McCullough 1995; Appendix D1). Under this plan, commercial salmon fishing from July 6 to 19 was restricted to terminal fishing areas, and was based on local stock run strength as determined by harvests and escapements. Fishing areas considered non-terminal, which during previous seasons had been open to fishing, remained closed. The board decided that local pink and chum salmon could be caught in terminal areas early in the season, without sacrificing product quality, while still allowing migratory salmon to pass through South Peninsula waters (Appendix D1). The terminal areas included Zachary Bay, the northern portion of Pavlof Bay, and Cold Bay, Thin Point, Canoe Bay, and Morzhovoi Bay sections (Appendix D2 and D3). After July 19, South Peninsula fishermen could harvest pink salmon in their traditional cape fishing areas to maintain product quality. From July 20 until the close of the season, the entire South Peninsula could be opened to commercial salmon fishing by emergency order based on local run strength (except in the SEDM through July 25).

In early 1992, the Stepovak-Shumagin Setnet Association sued the board to stop the implementation of the *Post-June Salmon Management Plan* for the South Alaska Peninsula (Appendix D1). On July 10, 1992 an injunction was granted staying the enforcement of the new management plan. On July 13, management of Post-June fisheries reverted back to pre-1992 regulations (Shaul et al. 1993; Appendix D1)).

In March 1993, the Alaska State Superior Court reconsidered the 1992 injunction and reinstated the *Post-June Salmon Management Plan*, which was fully implemented during the 1993 through 1997 commercial fishing seasons (Shaul and Campbell 1997; Appendix D1).

In 1998, the board made significant changes to the *Post-June Salmon Management Plan* (Appendix D1). The earliest general opening date of the Post-June fishery in non-terminal areas was changed from July 20 to July 6. July was segmented into two time periods: July 6-21 and July 22-31, each with distinct fishing periods, specific closures in non-terminal areas and additional terminal areas in the latter period (Appendices D2 and D3). The board also established a 60,000 coho salmon harvest cap for non-terminal areas during the July 22-31 period (Appendix D1).

The board made only minor changes to the *Post-June Salmon Management Plan* for South Alaska Peninsula in 2001. The board clarified the definition of immature salmon during the department's July test fishery. The board also changed the southern boundary of the Suzy Creek terminal harvest area. It was modified to be consistent with the southern boundary of the NWSS at 57° 37.33' N. lat. (Appendix C1). In February 2004, the board repealed the 60,000 coho salmon harvest cap from non-terminal areas for the July 22-31 period (Appendix D1).

For the Post-June section of this report, unconventional time periods are used to average harvest figures. These time periods better represent the historical nature of the South Peninsula Post-June fisheries due to board actions that significantly changed the plan and harvests. The 1978-1992, 1993-1997, 2000-2009, and 2007-2009 periods are used for most historical average harvests, and are compared to the 2009 harvests. The 1978-1992 average harvests represent catches after Alaska salmon populations had recovered from low runs during the 1960s and early 1970s. The 1993-1997 averages are used because during those years only a few terminal harvest areas were open in Post-June fisheries from July 1 to 19. The current management plan, with a few minor modifications, went into effect in 1998. Tables for time periods or areas unaffected by board management plan changes (such as the fisheries during August and September) summarize data with 10- and 20-year averages.

IMMATURE SALMON CONCERNS

The 1991 board 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 department first became aware of immature salmon catches in 1963 (McCullough and Shaul 1992). The presence of immature salmon in South Peninsula waters 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 1989-1992, 1999, 2001, 2003, and 2008 seasons (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 department 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 near shore waters of Popof Island from Popof Head to Red Bluff, thus test fishing sites were established in those areas (Appendix D4).

In 2001, the board 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)).

2007-2009 MANAGEMENT PLAN

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

1. From July 6 to 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 6-21, 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 to 31, fishing time was limited in non-terminal areas, outside of the Southeastern District Mainland (prior to July 26), to three 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 6-21 time frame, the Deer Island, Belkofski Bay, and Mino Creek-Little Coal Bay sections, the Stepovak Flats Section from July 26 to 28, and the area near Suzy Creek (281-65) after July 25 (Appendix D3). 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 September 30, fishing periods were based on abundance of coho salmon stocks, although the department could consider abundance of late pink and chum salmon stocks.

2007 SEASON SUMMARY

The immature test fishery was conducted on July 2, 3, and 5. Test fishery results on July 5 indicated that the number of immature salmon was below the regulatory threshold (100 per set) at 12.2 immature salmon per set (Appendix D5 in Poetter et al. 2008). The South Peninsula, including the Shumagin Islands Section was opened to seine and gillnet gear on July 6 for 21 hours from 12:01 AM until 9:00 PM (Appendix A16 in Poetter et al. 2008). There were five subsequent 24-hour fishing periods in non-terminal areas through July 21, each starting at 9:00 PM.

Inseason monitoring of the seine fishery after July 5 showed the harvest of immature salmon remained below the threshold for the remainder of the fishery.

In 2007, a total of 116 permit holders fished in the South Peninsula Post-June fishery. The July 6-21 commercial salmon harvest from South Peninsula non-terminal areas was composed of 513 Chinook salmon, 378,863 sockeye salmon, 59,127 coho salmon, 617,556 pink salmon, and 95,737 chum salmon (Appendix D6 in Poetter et al. 2008). The 2007 South Peninsula July 6-21 salmon harvest from terminal areas was composed of 7 Chinook salmon, 4,139 sockeye salmon, 143 coho salmon, 2,160 pink salmon, and 510 chum salmon (Appendix D6 in Poetter et al. 2008).

The July 22-31 commercial salmon harvest from South Peninsula non-terminal areas was composed of 109 Chinook salmon, 160,730 sockeye salmon, 33,191 coho, 906,953 pink, and 61,195 chum salmon (Appendix D7 in Poetter et al. 2008). The 2007 South Peninsula July 22-31 salmon harvest from terminal areas was composed of 3 Chinook salmon, 62,615 sockeye salmon, 201 coho, 448,192 pink, and 29,998 chum salmon (Appendix D7 in Poetter et al. 2008).

During August 2007, pink and chum salmon escapements in the South Peninsula were generally adequate and there was modest harvest effort on these stocks. The total commercial salmon harvest during August consisted of 42 Chinook salmon, 210,962 sockeye salmon, 51,003 coho, 5,045,811 pink, and 176,824 chum salmon (Appendix D8 in Poetter et al. 2008).

The South Peninsula fall fishery opened September 1 and commercial salmon fishing periods were primarily based on local coho salmon catch per unit effort (CPUE) and in some areas, on late pink and chum salmon run strength. In 2007, the salmon harvest for September in the South Peninsula consisted of 2 Chinook salmon, 22,523 sockeye salmon, 5,657 coho, 11,130 pink, and 17,984 chum salmon (Appendix D9) with the last delivery of the season occurring on September 26 (Appendix A13 in Poetter et al. 2008).

The 2007 South Peninsula (minus the SEDM July 1-25 harvest) Post-June (July 1-September 26) total commercial salmon harvest totaled 676 Chinook salmon, 848,832 sockeye salmon, 149,322 coho, 7,031,802 pink, and 382,248 chum salmon (Appendix D10). The harvest numbers were the same as totals including SEDM July 1-25 as there was no harvest in the Southeastern District Mainland between July 1 and July 25.

In 2007, purse seine, drift gillnet, and set gillnet gear commercially harvested Chinook salmon, sockeye salmon, coho, pink and chum salmon in the South Peninsula during the Post-June fishery (including the Southeastern District Mainland fishery). Chinook salmon were caught incidentally by all three gear groups during the 2007 Post-June fishery with 570 (84.3%) caught by purse seine, 1 (0.1%) caught by drift gillnet, and 105 (15.5%) caught by set gillnet for a total of 676 fish (Appendix D12). A total of 848,832 sockeye salmon were harvested, of which 477,594 (56.3 %) were caught by purse seine, 6,626 (0.8%) were caught by drift gillnet, and 364,612 (43.0%) were caught by set gillnet (Appendix D13). Coho salmon were harvested by all gear groups with 120,881 (81%) caught by purse seine, 4,126 (2.8%) by drift gillnet, and 24,315 (16.3%) by set gillnet for a total of 149,322 fish (Appendix D14). A total of 7,031,802 pink salmon were harvested, of which 6,485,719 (92.2%) were caught by purse seine, 5,134 (0.1%) were caught by drift gillnet, and 540,949 (7.7%) were caught set gillnet (Appendix D15). Chum salmon were harvested by all three gear groups with 327,484 (85.7%) caught by purse seine, 2,059 (0.5%) by drift gillnet, and 52,705 (13.8%) by set gillnet for a total of 382,248 fish (Appendix D16).

2008 SEASON SUMMARY

The test fishery was conducted on five days: July 3, 4, 5, 7, and 8. Test fishery results on July 5 indicated that the number of immature salmon was above the regulatory threshold (100 per set) at 112 immatures per set (Appendix D5 in Poetter 2009). Due to the presence of immature salmon, the Shumagin Islands were only opened to gillnet gear during the 21 hour July 6th opening (Appendix A16 in Poetter 2009). On July 7, immature numbers were too high to allow a fishery but results for July 8 indicated that the number of immature salmon was below the threshold (48 immature salmon per set; Appendix D5 in Poetter 2009). In season monitoring of the seine fishery after July 8 showed that the harvest of immature salmon remained below the threshold for the remainder of the fishery.

In 2008, 135 permit holders fished in the South Peninsula Post-June fishery. The July 6-21 commercial salmon harvest from South Peninsula non-terminal areas was composed of 250 Chinook salmon, 167,567 sockeye salmon, 77,393 coho salmon, 487,613 pink salmon, and 99,179 chum salmon (Appendix D6 in Poetter 2009). Terminal area harvests during this time frame totaled 0 Chinook salmon, 758 sockeye salmon, 6 coho salmon, 40,979 pink salmon, and 12,510 chum salmon (Appendix D6 in Poetter 2009).

The July 22-31 commercial salmon harvest from South Peninsula non-terminal areas was composed of 385 Chinook salmon, 32,317 sockeye salmon, 33,147 coho salmon, 351,239 pink salmon, and 29,258 chum salmon (Appendix D7 in Poetter 2009). Terminal area harvests during this time frame totaled 9 Chinook salmon, 13,619 sockeye salmon, 1,461 coho salmon, 565,405 pink salmon, and 25,286 chum salmon (Appendix D7 in Poetter 2009).

During August 2008, pink and chum salmon escapements in the South Peninsula were generally good to strong and there was considerable harvest effort on these stocks. The total commercial salmon harvest during August consisted of 638 Chinook salmon, 223,533 sockeye salmon, 73,598 coho salmon, 8,530,257 pink salmon, and 185,382 chum salmon (Appendix D8 in Poetter 2009).

The South Peninsula fall fishery opened September 1 and commercial salmon fishing periods were primarily based on local coho salmon CPUE and in some areas, on late pink salmon and chum salmon run strength. In 2008, the salmon harvest for September in the South Peninsula consisted of 5 Chinook salmon, 20,651 sockeye salmon, 24,125 coho salmon, 194,421 pink salmon, and 13,510 chum salmon (Appendix D9) with the last delivery of the season occurring on September 30 (Appendix A13 in Poetter 2009).

The 2008 South Peninsula (minus the SEDM July 1-25 harvest) Post-June total commercial salmon harvest totaled 1,019 Chinook salmon, 356,456 sockeye salmon, 177,550 coho salmon, 8,068,114 pink salmon, and 319,209 chum salmon (Appendix D10).

In 2008, 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 Southeastern District Mainland fishery). Chinook salmon were caught incidentally by all three gear groups during the 2008 Post-June fishery with 1,236 (87.7%) caught by purse seine, 15 (1.1%) caught by drift gillnet, and 158 (11.2%) caught by set gillnet for a total of 1,409 fish (Appendix D12). A total of 525,635 sockeye salmon were harvested, of which 321,396 (61.1 %) were caught by purse seine, 12,629 (2.4%) were caught by drift gillnet, and 191,610 (36.5%)

were caught by set gillnet (Appendix D13). Coho salmon were harvested by all gear groups with 166,130 (73.7%) caught by purse seine, 21,815 (9.7%) by drift gillnet, and 37,536 (16.6%) by set gillnet for a total of 225,481 fish (Appendix D14). A total of 10,738,782 pink salmon were harvested, of which 10,056,235 (93.6%) were caught by purse seine, 83,287 (0.8%) were caught by drift gillnet, and 599,260 (5.6%) were caught set gillnet (Appendix D15). Chum salmon were harvested by all three gear groups with 316,076 (80.7%) caught by purse seine, 13,457 (3.4%) by drift gillnet, and 61,939 (15.8%) by set gillnet for a total of 391,472 fish (Appendix D16).

2009 SEASON SUMMARY

The test fishery was conducted on five days: July 3, 4, and 5. Test fishery results for all dates showed the number of immature salmon were below the regulatory threshold (100 per set) (Appendix D5). Due to the number of immature salmon being below the regulatory threshold both purse seine and set gillnet gear types were able to participate in the 21 hour July 6th commercial salmon fishing opener.

In 2009, 127 permit holders fished in the South Peninsula Post-June fishery. The July 6-21 commercial salmon harvest from South Peninsula non-terminal areas was composed of 711 Chinook salmon, 172,027 sockeye salmon, 90,034 coho salmon, 805,019 pink salmon, and 79,847 chum salmon (Appendix D6). Terminal area harvests during this time frame totaled 2 Chinook salmon, 4,219 sockeye salmon, 44 coho salmon, 3,125 pink salmon, and 518 chum salmon (Appendix D6).

The July 22-31 commercial salmon harvest from South Peninsula non-terminal areas was composed of 653 Chinook salmon, 107,838 sockeye salmon, 70,879 coho salmon, 881,481 pink salmon, and 110,033 chum salmon (Appendix D7). Terminal area harvests during this time frame totaled 0 Chinook salmon, 6,291 sockeye salmon, 35 coho salmon, 101,284 pink salmon, and 4,189 chum salmon (Appendix D7).

During August 2009, pink and chum salmon escapements in the South Peninsula were generally good to strong and there was considerable harvest effort on these stocks. The total commercial salmon harvest during August consisted of 521 Chinook salmon, 104,670 sockeye salmon, 70,482 coho salmon, 3,762,560 pink salmon, and 688,893 chum salmon (Appendix D8).

The South Peninsula fall fishery opened September 1 and commercial salmon fishing periods were primarily based on local coho salmon CPUE and in some areas, on late pink and chum salmon run strength. In 2009, the salmon harvest for September in the South Peninsula consisted of 4 Chinook salmon, 8,336 sockeye salmon, 14,498 coho salmon, 38,165 pink salmon, and 84,473 chum salmon (Appendix D9) with the last delivery of the season occurring on September 30 (Appendix A13).

The 2009 South Peninsula (minus the SEDM July 1-25 harvest) Post-June total commercial salmon harvest totaled 1,891 Chinook salmon, 403,187 sockeye salmon, 245,845 coho salmon, 5,591,634 pink salmon, and 967,944 chum salmon (Appendix D10).

In 2009, 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 Southeastern District Mainland fishery). Chinook salmon were caught incidentally by all three gear groups during the 2009 Post-June fishery with 1,819 (90.5%) caught by purse seine, 11 (0.5%) caught by drift gillnet, and 181 (9.0%) caught by set gillnet for a total of 2,011 fish (Appendix D12). A total of 555,146 sockeye salmon were harvested, of which 248,639 (44.8%)

were caught by purse seine, 7,800 (1.4%) were caught by drift gillnet, and 298,707 (53.8%) were caught by set gillnet (Appendix D13). Coho salmon were harvested by all gear groups with 213,281 (86.0%) caught by purse seine, 10,549 (4.3%) by drift gillnet, and 24,141 (9.7%) by set gillnet for a total of 247,971 fish (Appendix D14). A total of 5,651,433 pink salmon were harvested, of which 5,350,718 (94.7%) were caught by purse seine, 47,711 (0.8%) were caught by drift gillnet, and 253,004 (4.5%) were caught set gillnet (Appendix D15). Chum salmon were harvested by all three gear groups with 851,190 (86.5%) caught by purse seine, 19,509 (2.0%) by drift gillnet, and 112,884 (11.5%) by set gillnet for a total of 983,583 fish (Appendix D16).

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 2007-2009, most salmon escapements were monitored by aerial observations using small fixed-wing aircraft. The Orzinski Lake system was monitored with a salmon weir operated by department employees (Appendix E1). Pink and chum salmon escapements were estimated using an indexed total escapement method, while sockeye salmon systems were estimated using peak escapements (Appendix E2).

Alaska salmon production was low during the 1960s and early 1970s. The Alaska salmon runs began to rebuild in the mid 1970s and most Alaska Peninsula salmon stocks recovered by 1977. The 1962-1976 and 1977-2009 time periods will be used in this report for comparison of 2009 escapements to better represent average historical escapements and production trends. From 1962-1976, South Peninsula total indexed salmon escapement averaged 1,280,100 fish composed of 27,813 sockeye salmon, 957,887 pink salmon, and 294,400 chum salmon (Appendix E3). From 1977-2009, South Peninsula total indexed salmon escapement averaged 3,990,487 salmon composed of 93,876 sockeye salmon, 3,319,133 pink salmon, and 577,479 chum salmon (Appendix E3). There are no known Chinook salmon spawning streams along South 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 Witteveen et al. in prep.

2007 ESCAPEMENT BY SPECIES

Sockeye Salmon

On the South Peninsula there are three systems with established sockeye salmon sustainable escapement goals (SEG): Thin Point Lake (14,000 to 28,000); Mortensens Lagoon (3,200 to 6,400); and Orzinski Lake (15,000 to 20,000; Honnold et al. 2007). Sockeye salmon escapements into Thin Point Lake (19,300) and Mortensens Lagoon (6,400) were within their SEG ranges but Orzinski Lake's escapement (10,643) was short of the goal. Estimated total South Peninsula sockeye salmon escapement of 69,013 fish was above the lower escapement objective of 62,250 fish (Appendix E4 in Poetter et al. 2008; Appendices E3 and E5).

Coho Salmon

The 2007 South Peninsula total indexed coho salmon escapement could not be calculated due to limited survey data. A total of 110,800 coho salmon were counted in 31 streams on South

Peninsula in 2007 (Poetter et al. 2008). However, many streams were not surveyed, only surveyed once, or were not surveyed during times of peak abundance.

Pink Salmon

The 2007 South Peninsula total indexed pink salmon escapement of 2,680,213 fish (Appendices E4 and E6 in Poetter et al. 2008; Appendix E3) was within the odd-year escapement goal range of 1,637,800 to 3,275,700 fish (Honnold et al. 2007). In the last 20 years, pink salmon escapement ranged from 1,598,400 in 1990 to 8,311,410 in 2004 (Appendix E3). From 1997-2006, South Peninsula total pink salmon indexed escapement averaged 4,631,393 fish (Appendix E3 in Poetter et al. 2008).

Chum Salmon

Chum salmon are managed on district-wide SEGs of 106,400 to 212,800 fish for Southeastern District; 89,800-179,600 fish in the South Central District; 133,400 to 266,800 fish in the Southwestern District; and a lower bound SEG of 800 fish for the Unimak District (Honnold et al. 2007). The Southeastern (201,451), South Central (126,000), and Unimak (1,200) districts were all within their respective chum salmon escapement goal ranges. Chum salmon escapement into the Southwestern District (398,010) was above its escapement goal. The total escapement of 726,661 fish was above the combined escapement goal range of 330,400 to 659,200 fish (Appendices E4, and E7 in Poetter et al. 2008; Appendix E3; Honnold et al. 2007). From 1987-2006, chum salmon escapements have ranged from 310,500 fish in 1989 to 970,310 fish in 2005 (Appendix E3).

2008 ESCAPEMENT BY SPECIES

Sockeye Salmon

Total estimated South Alaska Peninsula sockeye salmon escapement of 95,859 fish (Appendices E4 and E5 in Poetter 2009 Appendix E3) was below the recent 10-year average (1998-2007) of 130,653 fish. In 2008, escapement estimates for Thin Point (18,900) and Mortensens Lagoon (5,600) were compiled with aerial surveys and were within their respective SEG ranges. The Orzinski Lake sockeye salmon escapement of 36,839 fish, through August 12 when the weir was pulled (Appendix E6 in Poetter 2009), was above the SEG range.

Coho Salmon

Total indexed coho salmon escapement could not be calculated due to limited survey data. Many streams were not surveyed, only surveyed once, or were not surveyed during times of peak abundance. Salmon management staff leave the South Peninsula prior to completion of coho salmon runs. A total of 10,750 coho salmon were counted on the South Peninsula in 2008 (Poetter 2009). The number of coho salmon observed in Thin Point Lake was 3,200 fish, which was above the lower bound SEG of 3,000 fish (Honnold et al. 2007).

Pink Salmon

Total indexed South Peninsula pink salmon escapement of 3,338,370 fish (Appendix E4 in Poetter 2009; Appendices E3 and E7) was within the even-year SEG range of 1,864,600 to 3,729,300 fish (Honnold et al. 2007). In the last 20 years, the pink salmon indexed escapement ranged from 1,598,400 in 1990 to 8,311,410 in 2004 (Appendix E3). From 1998-2007, the

South Peninsula total pink salmon indexed escapement averaged 4,473,471 fish (Appendix E3 in Poetter 2009).

Chum Salmon

In 2008, chum salmon escapement in the Southeastern District was 277,450 fish and was the only district to exceed its SEG range (Appendix E4 in Poetter 2009). Chum salmon escapement for the South Central, Southwestern, and Unimak districts were 140,450, 171,250, and 2,800 fish, respectively (Appendix E4 in Poetter 2009), and were all within established SEG ranges. South Peninsula total indexed chum salmon escapement of 591,950 fish was within the combined escapement goal range of 330,400 to 659,200 fish (Appendices E3 and E8).

2009 ESCAPEMENT BY SPECIES

Sockeye Salmon

The total 2009 estimated South Alaska Peninsula sockeye salmon escapement of 128,117 fish (Appendices E3 through E5) was below the recent 10-year average (2000-2009) of 134,806 fish. In 2009, escapement estimates for Thin Point (33,500) and Mortensens Lagoon (25,000) were compiled with aerial surveys. Escapement in both Thin Point Lake and Mortensens Lagoon were above their respective SEG ranges. The Orzinski Lake sockeye salmon escapement of 21,457 fish, through August 3 after which the weir was pulled (Appendix E6), was above the SEG range.

Coho Salmon

The total indexed coho salmon escapement could not be calculated due to limited survey data. Many streams were not surveyed, only surveyed once, or were not surveyed during times of peak abundance. A total of 108,855 coho salmon were counted on the South Peninsula in 2009. The number of coho salmon observed in Thin Point Lake was 1,500 fish, which did not meet the lower bound SEG of 3,000 fish (Honnold et al. 2007).

Pink Salmon

The total 2009 indexed South Peninsula pink salmon escapement of 3,067,000 fish (Appendices E3, E4, and E7) was within the odd-year SEG range of 1,637,800 to 3,275,700 fish (Honnold et al. 2007). In the last 20 years, the pink salmon indexed escapement ranged from 1,598,400 in 1990 to 8,311,410 in 2004 (Appendix E3). From 2000-2009, the South Peninsula total pink salmon indexed escapement averaged 4,145,702 fish (Appendix E3).

Chum Salmon

In 2009, chum salmon escapement in the Unimak District was 1,400 fish and was the only district to exceed its SEG (Appendix E4). Chum salmon escapement was within the established SEG for the Southeastern and Southwestern districts of 106,500 and 385,730 fish respectively (Appendix E4). The South Central District chum salmon escapement of 18,600 fish was below the SEG. South Peninsula total indexed chum salmon escapement of 512,230 fish was within the combined escapement goal range of 330,400 to 659,200 fish (Appendices E3 and E8).

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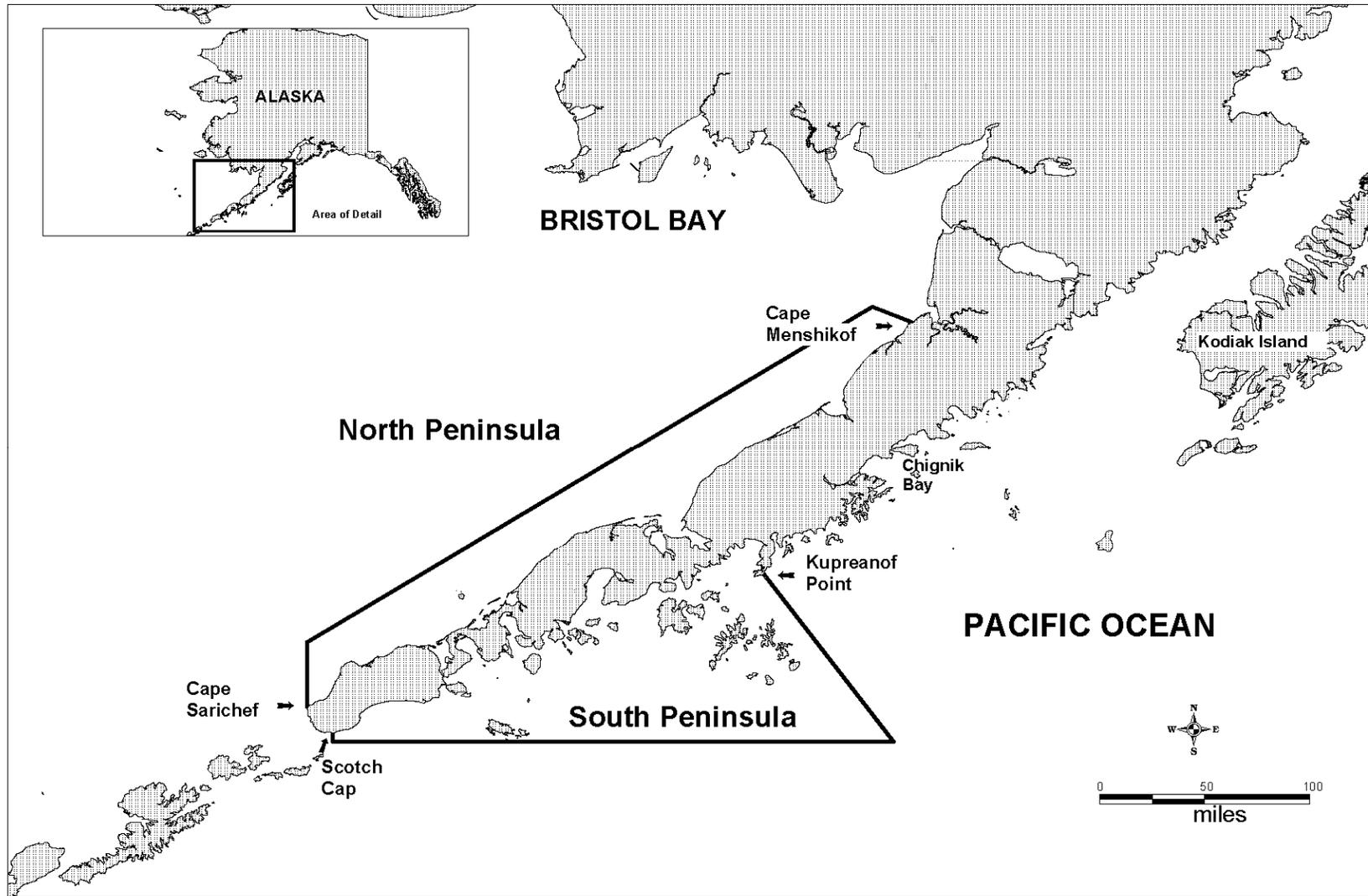
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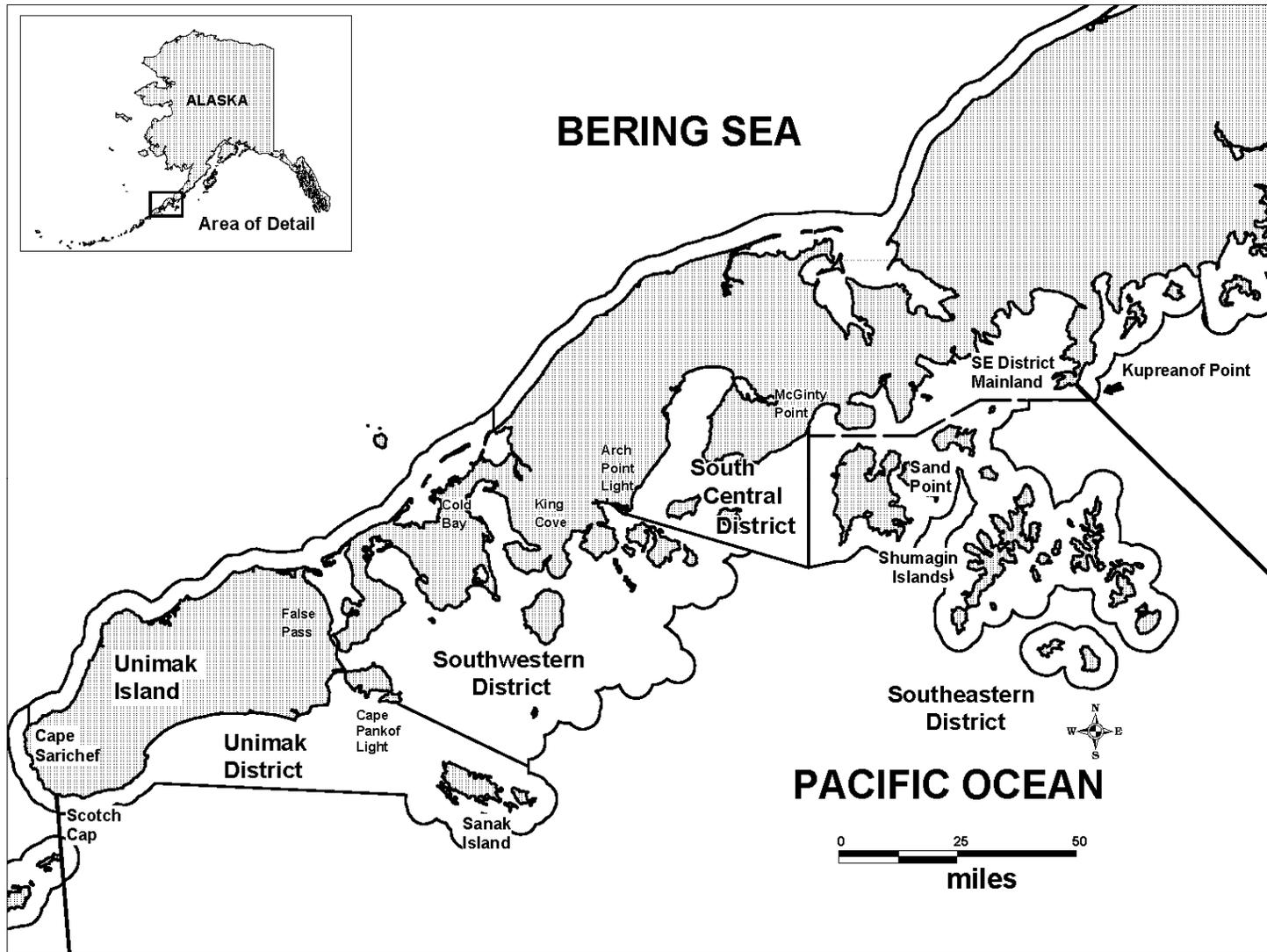
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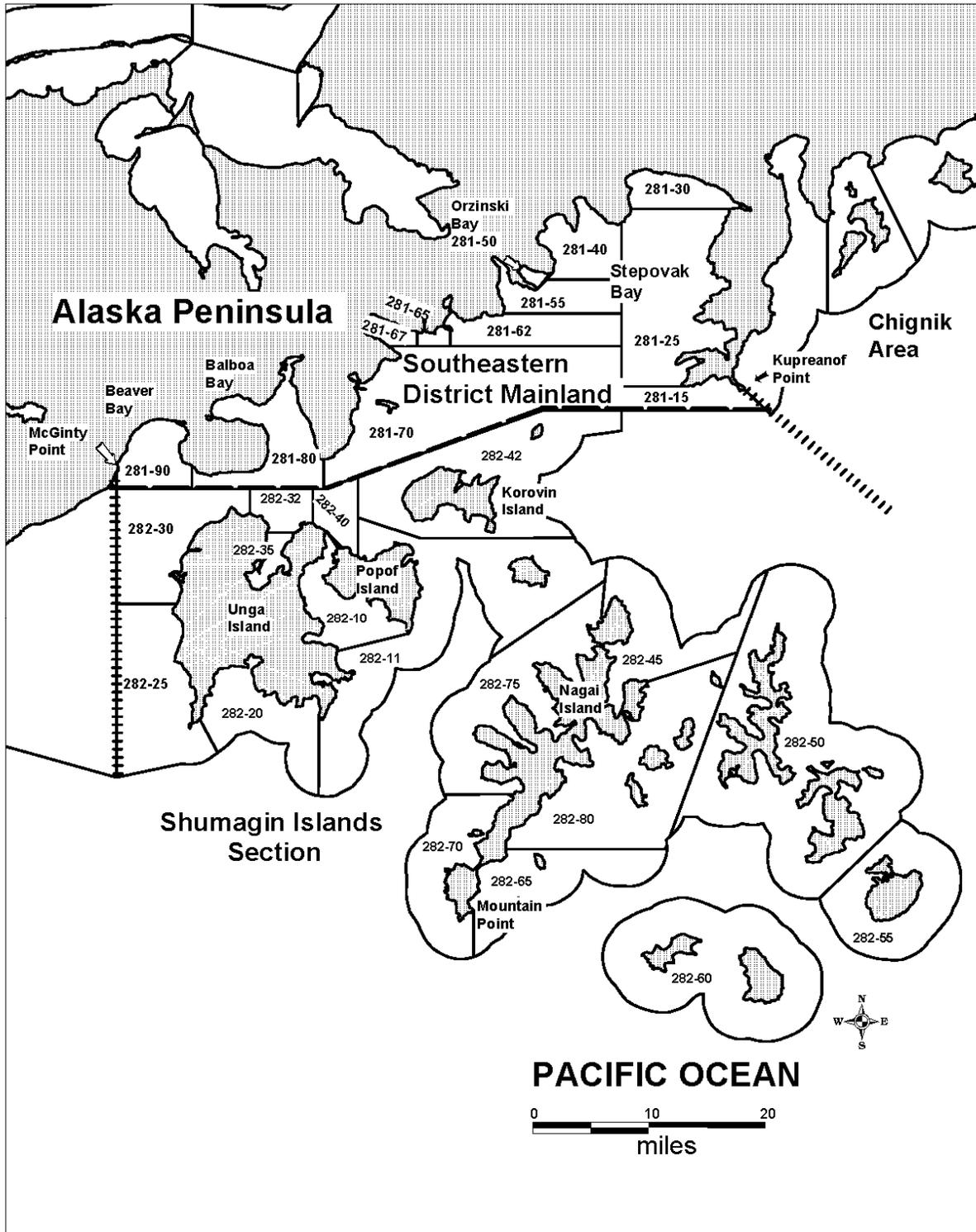
APPENDIX A. AREAWIDE INFORMATION



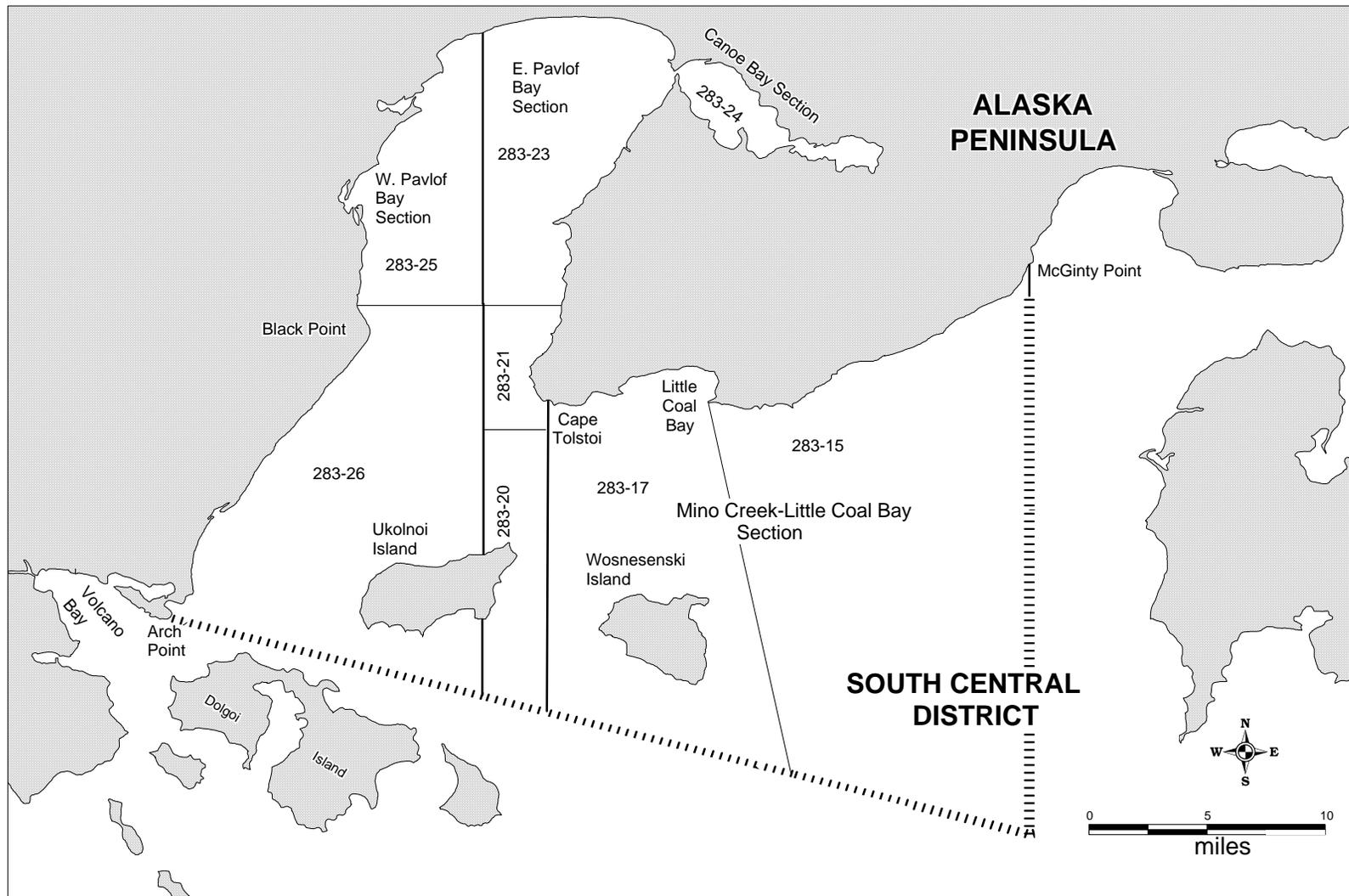
Appendix A1.—Map of Alaska Peninsula Management Area with the North and South Peninsula defined.



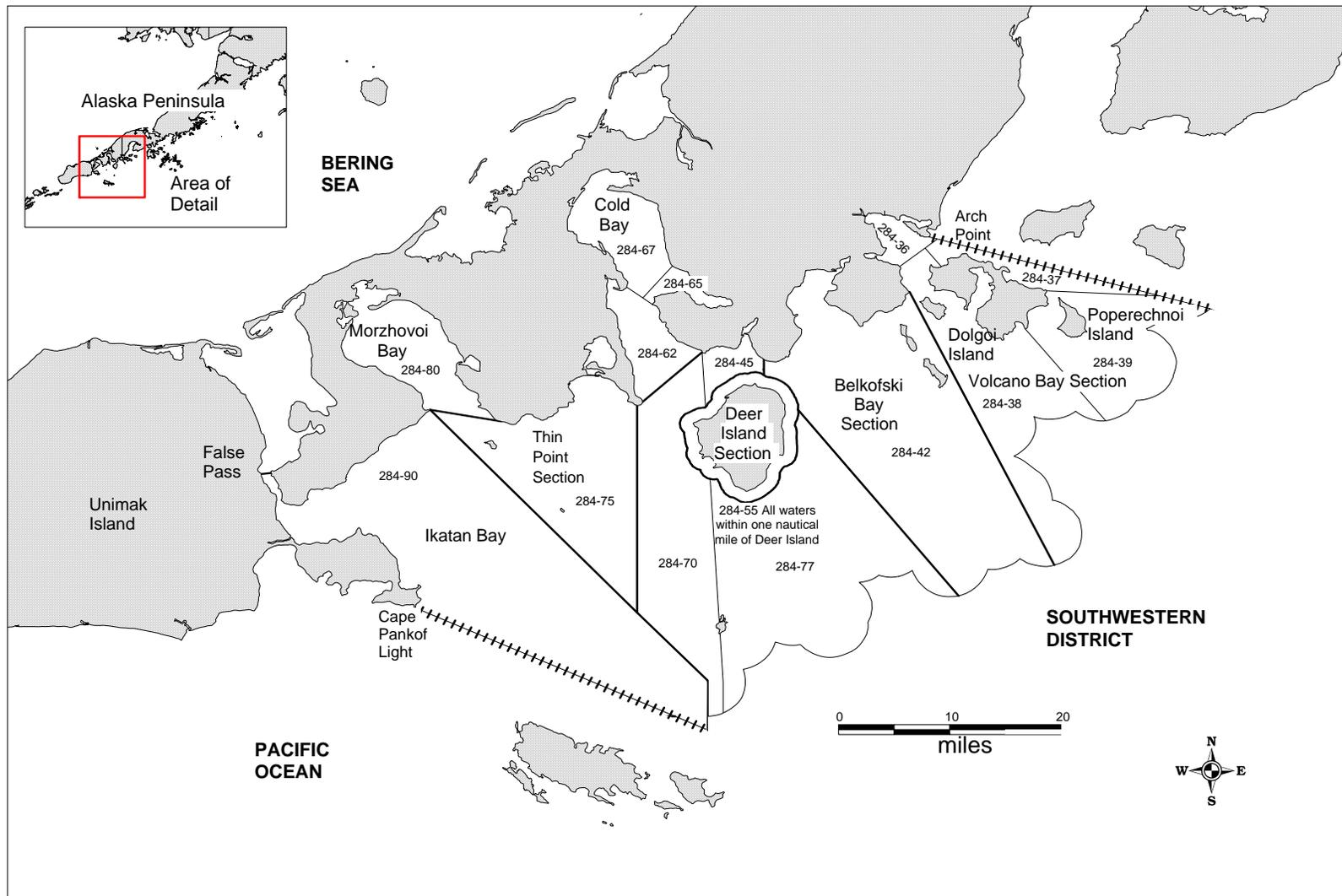
Appendix A2.—Map of Alaska Peninsula Management Area from Kupreanof Point to Scotch Cap with South Peninsula salmon fishing districts defined.



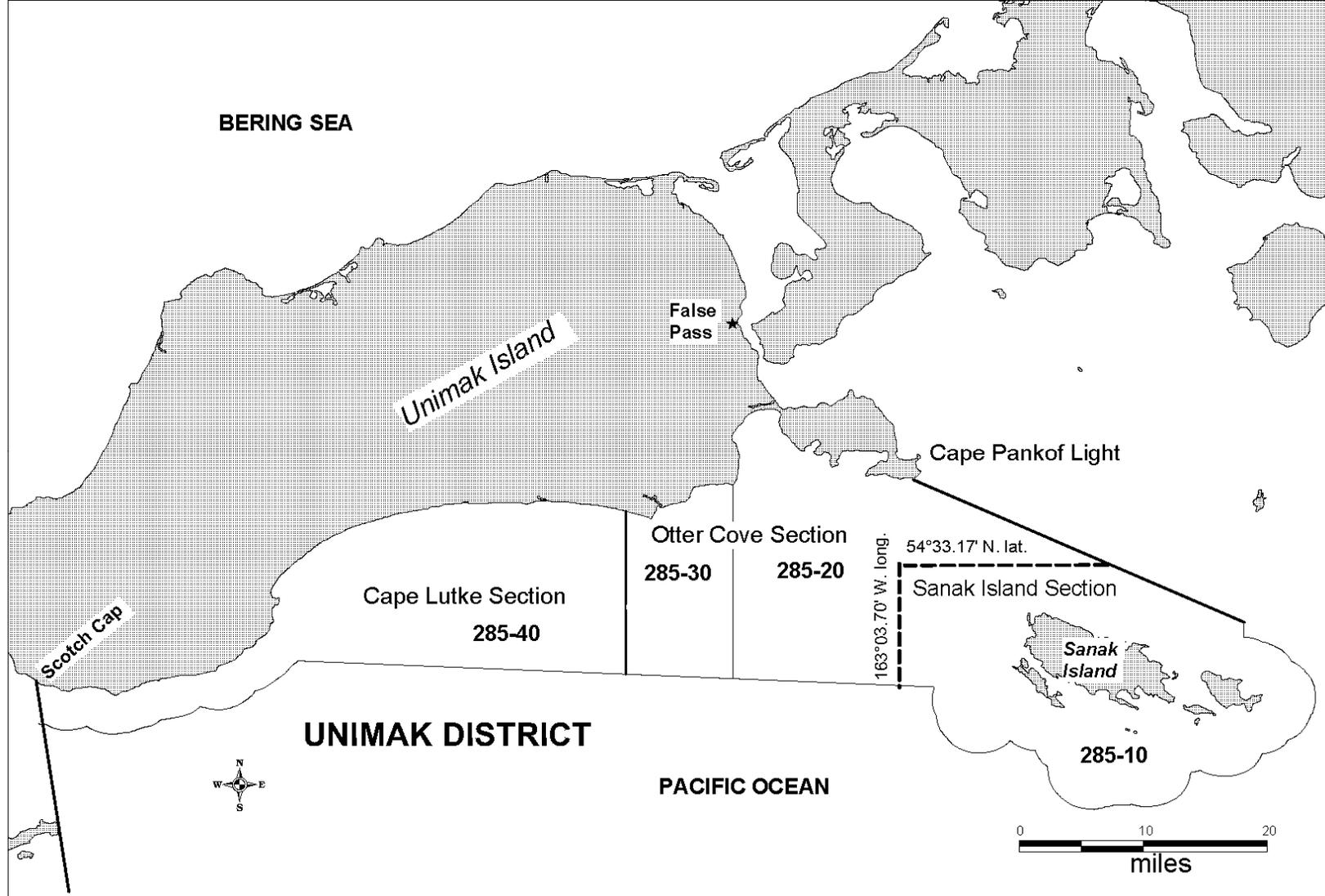
Appendix A3.—Map of Alaska Peninsula Area from Kupreanof Point to McGinty Point (Southeastern District) with statistical salmon fishing areas shown.



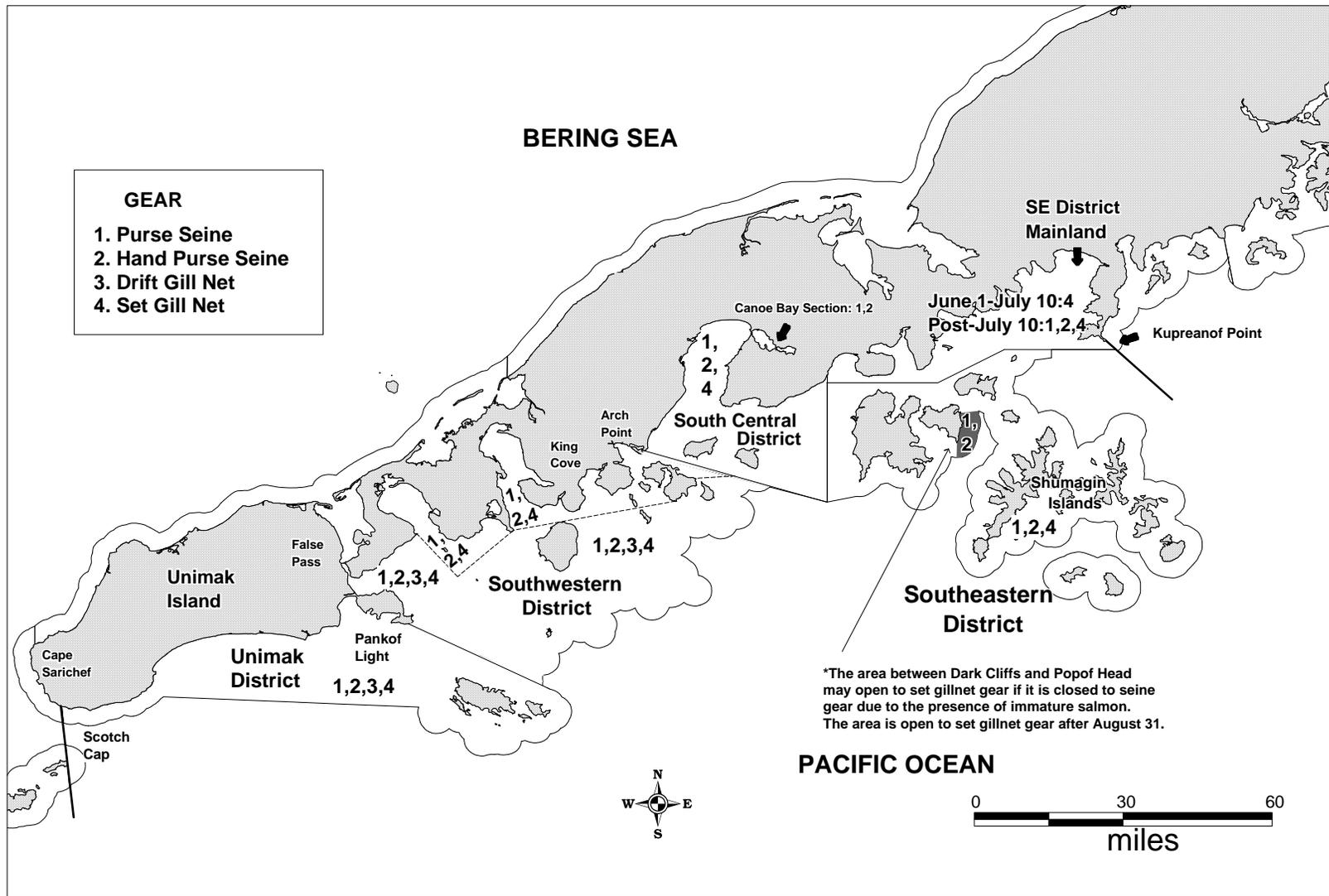
Appendix A4.—Map of Alaska Peninsula Area from McGinty Point to Arch Point (South Central District) with statistical salmon fishing areas shown.



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, 1970-2009.

Year	Purse Seine	Drift Gillnet	Set Gillnet	Total
1970	108	157	30	295
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	123	144	86	353
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
2000-2009				
Average	51	101	71	223

Appendix A9.–South Alaska Peninsula salmon harvest (number of fish), all gear combined, by species and year, 1908-2009.

Year ^{a,b}	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

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Year ^{a,b}	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	340	5,597	7,009	2,659,101	441,397	7,289,130	993,492	11,390,129
1990	353	6,403	16,497	2,385,560	305,510	2,861,283	1,234,679	6,803,529
1991	354	6,439	7,510	2,304,531	313,223	10,596,596	1,573,773	14,795,633
1992	340	6,512	7,933	3,438,875	414,948	9,759,657	1,310,337	14,931,750
1993	353	6,204	14,083	3,682,604	215,256	9,925,123	1,046,407	14,883,473
1994	342	6,750	9,474	2,091,009	251,686	9,143,703	2,178,910	13,674,782
1995	351	8,193	17,078	2,996,353	260,686	16,302,593	1,715,067	21,291,777
1996	331	5,875	5,071	1,528,587	278,191	2,187,239	775,057	4,774,145
1997	306	5,803	7,163	2,258,189	112,432	2,303,926	606,254	5,287,964

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Year ^{a,b}	Permits	Landings	Chinook	Sockeye	Coho	Pink	Chum	Total
1998	310	8,014	4,796	2,170,803	154,170	8,040,681	711,526	11,081,976
1999	309	7,021	4,815	2,948,267	192,485	8,443,343	816,966	12,405,876
2000	309	7,110	5,104	1,984,576	257,146	3,549,545	1,055,316	6,851,687
2001	241	3,277	2,302	607,756	210,899	4,012,057	921,986	5,755,000
2002	198	3,883	6,399	1,035,232	202,717	2,170,376	819,030	4,233,754
2003	194	3,909	2,712	1,054,208	131,097	4,258,274	637,305	6,083,596
2004	202	4,670	7,050	2,199,944	235,600	6,665,831	790,108	9,898,533
2005	208	4,948	4,487	2,337,097	143,617	9,416,197	739,460	12,640,858
2006	202	4,848	5,400	1,835,218	164,962	4,261,230	1,175,843	7,442,653
2007	204	5,250	5,312	2,438,672	150,955	7,299,330	679,787	10,574,056
2008	231	5,551	4,378	2,249,144	227,550	12,723,983	814,123	16,019,178
2009	238	5,808	5,875	1,724,516	248,563	7,921,089	1,684,583	11,584,626
Averages								
1918-1929 ^c			7,475	1,389,683	79,475	1,455,883	1,175,125	4,107,642
1930-1946 ^c			12,706	1,495,412	160,088	5,269,929	1,437,165	8,375,300
1947-1977 ^c	217	2,546	2,567	591,844	26,747	1,523,900	751,226	2,896,285
1978-1999 ^c	324	5,998	9,019	2,252,692	255,805	6,807,750	1,324,006	10,649,271
2000-2009	223	4,925	4,902	1,746,636	197,311	6,227,791	931,754	9,108,394

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

^a 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 1978-99 Aleutian Islands average salmon harvest was 510,317 fish, while the 1978-99 average harvest for the South Peninsula was 10,671,164 salmon.

^b Since 1989, salmon numbers include test fish harvests.

^c 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, 1962-2009.

Year		Non-Migrants			June Migrants		Total June Migrants
		Southeastern ^a and South Central Districts	Southwestern and Unimak Districts	South ^b Peninsula Totals	South Unimak	Shumagin Islands	
1962	Catch	922,100	977,300	1,899,400	42,000	24,000	66,000
	Escapement	826,100	772,700	1,598,800			
	Total	1,748,200	1,750,000	3,498,200			
1963	Catch	1,733,900	590,800	2,324,700	14,000	29,000	43,000
	Escapement	886,500	431,400	1,317,900			
	Total	2,620,400	1,022,200	3,642,600			
1964	Catch	1,514,600	1,190,700	2,705,300	18,000	17,000	35,000
	Escapement	902,400	534,000	1,436,400			
	Total	2,417,000	1,724,700	4,141,700			
1965	Catch	2,331,400	474,700	2,806,100	43,000	35,000	78,000
	Escapement	789,900	245,500	1,035,400			
	Total	3,121,300	720,200	3,841,500			
1966	Catch	220,300	68,500	288,800	15,000	2,000	17,000
	Escapement	627,400	92,000	719,400			
	Total	847,700	160,500	1,008,200			
1967	Catch	53,100	4,200	57,300	11,000	10,000	21,000
	Escapement	327,300	118,200	445,500			
	Total	380,400	122,400	502,800			
1968	Catch	863,300	277,800	1,141,100	34,000	112,000	146,000
	Escapement	528,100	295,200	823,300			
	Total	1,391,400	573,000	1,964,400			
1969	Catch	862,800	265,300	1,128,100	68,000	23,000	91,000
	Escapement	1,906,200	568,700	2,474,900			
	Total	2,769,000	834,000	3,603,000			
1970	Catch	1,378,510	252,030	1,630,540	83,325	19,728	103,053
	Escapement	1,007,900	291,000	1,298,900			
	Total	2,386,410	543,030	2,929,440			
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			

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Year		Non-Migrants			June Migrants		Total June Migrants
		Southeastern ^a and South Central Districts	Southwestern and Unimak Districts	South ^b Peninsula Totals	South Unimak	Shumagin Islands	
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			
1983	Catch	2,245,432	526,315	2,771,747	40,441	15,434	489,629
	Escapement	639,200	212,000	851,200			
	Total	2,884,632	738,315	3,622,947			
1984	Catch	6,533,147	4,136,235	10,669,382	470,688	449,188	919,876
	Escapement	2,526,700	1,824,900	4,351,600			
	Total	9,059,847	5,961,135	15,020,982			

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		Non-Migrants			June Migrants		Total June Migrants
		Southeastern ^a and South Central Districts	Southwestern and Unimak Districts	South ^b Peninsula Totals	South Unimak	Shumagin Islands	
1985	Catch	3,324,051	1,000,350	4,324,401	69,811	36,804	106,615
	Escapement	1,229,300	384,500	1,613,800			
	Total	4,553,351	1,384,850	5,938,201			
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			
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			

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Year		Non-Migrants			June Migrants		Total June Migrants
		Southeastern ^a and South Central Districts	Southwestern and Unimak Districts	South ^b Peninsula Totals	South Unimak	Shumagin Islands	
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	5,565,639	2,000,702	7,566,341	125,906	348,434	474,340
	Escapement	2,856,255	1,811,810	4,668,065			
	Total	8,421,894	3,812,512	12,234,406			
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			
2007	Catch	5,175,086	2,872,711	8,047,797	57,032	210,496	267,528
	Escapement	1,805,873	874,340	2,680,213			
	Total	6,980,959	3,747,051	10,728,010			
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			

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

^b Catch numbers do not include test fish and subsistence harvests.

Appendix A11.—South Alaska Peninsula chum salmon catch and escapement by year, 1962-2009.

Year		Non-Migrants			June Migrants		
		Southeastern ^a and South Central Districts	Southwestern and Unimak Districts	South ^b Peninsula Totals	South Unimak	Shumagin Islands	Total June Migrants
1962	Catch	409,500	155,300	564,800	199,000	61,000	260,000
	Escapement	238,600	160,800	399,400			
	Total	648,100	316,100	964,200			
1963	Catch	278,000	80,300	358,300	67,000	36,000	103,000
	Escapement	263,000	183,700	446,700			
	Total	541,000	264,000	805,000			
1964	Catch	378,800	153,300	532,100	153,000	67,000	220,000
	Escapement	160,800	294,000	454,800			
	Total	539,600	447,300	986,900			
1965	Catch	221,700	150,700	372,400	139,000	45,000	184,000
	Escapement	203,300	24,200	227,500			
	Total	425,000	174,900	599,900			
1966	Catch	221,400	36,000	257,400	220,000	17,000	237,000
	Escapement	354,800	67,200	422,000			
	Total	576,200	103,200	679,400			
1967	Catch	118,700	4,500	123,200	71,000	51,000	122,000
	Escapement	132,800	50,100	182,900			
	Total	251,500	54,600	306,100			
1968	Catch	121,400	47,600	169,000	105,000	51,000	156,000
	Escapement	191,700	87,400	279,100			
	Total	313,100	135,000	448,100			
1969	Catch	95,100	43,300	138,400	238,000	13,000	251,000
	Escapement	96,900	37,700	134,600			
	Total	192,000	81,000	273,000			
1970	Catch	486,183	65,254	551,437	391,568	44,909	436,477
	Escapement	171,700	108,800	280,500			
	Total	657,883	174,054	831,937			
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			

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Year		Non-Migrants			June Migrants		Total June Migrants
		Southeastern ^a and South Central Districts	Southwestern and Unimak Districts	South ^b Peninsula Totals	South Unimak	Shumagin Islands	
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			
1983	Catch	597,295	321,145	918,440	616,354	169,277	785,631
	Escapement	328,900	117,600	446,500			
	Total	926,195	438,745	1,364,940			
1984	Catch	832,872	484,630	1,317,502	227,913	109,207	337,120
	Escapement	446,000	253,700	699,700			
	Total	1,278,872	738,330	2,017,202			
1985	Catch	539,065	375,832	914,897	324,825	109,004	433,829
	Escapement	284,700	218,800	503,500			
	Total	823,765	594,632	1,418,397			
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			

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Year		Non-Migrants			June Migrants		Total June Migrants
		Southeastern ^a and South Central Districts	Southwestern and Unimak Districts	South ^b Peninsula Totals	South Unimak	Shumagin Islands	
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			
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			

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Year		Non-Migrants			June Migrants		Total June Migrants
		Southeastern ^a and South Central Districts	Southwestern and Unimak Districts	South ^b Peninsula Totals	South Unimak	Shumagin Islands	
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			
2007	Catch	394,959	736,548	1,131,507	153,334	144,205	297,539
	Escapement	327,451	399,210	726,661			
	Total	722,410	1,135,758	1,858,168			
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			

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

^b Catch numbers do not include test fish or subsistence harvests.

Appendix A12.—South Alaska Peninsula salmon catch and escapement by species and year, 1962-2009.

Year		Chinook ^a	Sockeye ^a	Coho ^{a,b}	Pink ^a	Chum ^a
1962	Catch	3,300	420,000	12,500	1,965,400	824,800
	Escapement	0	18,800	-	1,598,800	399,400
	Total	3,300	438,800	-	3,564,200	1,224,200
1963	Catch	1,900	204,400	16,500	2,367,700	461,300
	Escapement	0	23,000	-	1,317,900	446,700
	Total	1,900	227,400	-	3,685,600	908,000
1964	Catch	2,000	370,800	13,600	2,740,300	751,000
	Escapement	0	15,700	-	1,436,400	454,800
	Total	2,000	386,500	-	4,176,700	1,205,800
1965	Catch	2,100	915,700	34,200	2,884,100	556,400
	Escapement	0	12,100	-	1,035,400	228,000
	Total	2,100	927,800	-	3,919,500	784,400
1966	Catch	1,400	606,200	6,300	305,800	494,400
	Escapement	0	17,000	-	719,400	422,000
	Total	1,400	623,200	-	1,025,200	916,400
1967	Catch	1,600	294,100	2,900	78,300	245,200
	Escapement	0	16,200	-	445,500	182,900
	Total	1,600	310,300	-	523,800	428,100
1968	Catch	1,400	699,800	31,100	1,287,100	325,300
	Escapement	0	12,800	-	823,300	279,100
	Total	1,400	712,600	-	2,110,400	604,400
1969	Catch	1,900	912,800	10,900	1,219,100	389,200
	Escapement	0	29,500	-	2,474,900	134,600
	Total	1,900	942,300	-	3,694,000	523,800
1970	Catch	1,806	1,799,525	32,571	1,737,985	993,349
	Escapement	0	16,500	-	1,298,900	280,500
	Total	1,806	1,816,025	-	3,036,885	1,273,849
1971	Catch	2,174	716,087	16,907	1,445,031	1,365,957
	Escapement	0	19,400	-	702,700	343,200
	Total	2,174	735,487	-	2,147,731	1,709,157
1972	Catch	1,332	557,422	8,021	78,221	731,814
	Escapement	0	11,900	-	111,400	254,500
	Total	1,332	569,322	-	189,621	986,314
1973	Catch	415	330,091	6,599	58,051	292,943
	Escapement	0	7,300	-	110,800	212,500
	Total	415	337,391	-	168,851	505,443
1974	Catch	581	197,153	9,366	100,601	71,826
	Escapement	0	95,600	-	284,400	257,300
	Total	581	292,753	-	385,001	329,126
1975	Catch	117	243,548	67	60,642	130,750
	Escapement	0	51,700	-	552,100	193,300
	Total	117	295,248	-	612,742	324,050
1976	Catch	2,196	375,027	216	2,366,833	532,503
	Escapement	0	69,700	-	1,456,400	327,200
	Total	2,196	444,727	-	3,823,233	859,703

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Year		Chinook ^a	Sockeye ^a	Coho ^{a,b}	Pink ^a	Chum ^a
1977	Catch	559	311,722	2,108	1,448,648	243,167
	Escapement	0	64,900	-	2,677,800	774,900
	Total	559	376,622	-	4,126,448	1,018,067
1978	Catch	773	579,411	60,774	5,590,145	546,182
	Escapement	0	64,800	-	2,858,700	600,500
	Total	773	644,211	-	8,348,845	1,146,682
1979	Catch	2,141	1,149,927	356,867	6,564,914	482,930
	Escapement	0	53,300	-	2,629,500	411,100
	Total	2,141	1,203,227	-	9,194,414	894,030
1980	Catch	4,794	3,613,025	274,181	7,861,470	1,353,112
	Escapement	0	45,900	-	2,641,600	362,400
	Total	4,794	3,658,925	-	10,502,070	1,713,512
1981	Catch	11,182	2,241,513	162,223	5,033,028	1,768,475
	Escapement	0	45,700	-	2,307,500	381,300
	Total	11,182	2,287,213	-	7,340,528	2,149,775
1982	Catch	9,845	2,345,981	256,046	6,734,905	2,272,495
	Escapement	0	39,200	-	2,293,000	386,900
	Total	9,845	2,385,181	-	9,027,905	2,659,395
1983	Catch	26,571	2,556,557	127,657	2,827,622	1,704,072
	Escapement	0	59,200	-	851,200	446,500
	Total	26,571	2,615,757	-	3,678,822	2,150,572
1984	Catch	9,198	2,318,028	310,950	11,589,258	1,654,622
	Escapement	0	54,800	-	3,811,600	699,700
	Total	9,198	2,372,828	-	15,400,858	2,354,322
1985	Catch	6,642	2,144,416	172,514	4,431,016	1,348,726
	Escapement	0	49,900	-	1,614,100	503,400
	Total	6,642	2,194,316	-	6,045,116	1,852,126
1986	Catch	5,589	1,223,089	235,854	4,031,487	1,749,651
	Escapement	0	48,000	-	1,716,700	544,500
	Total	5,589	1,271,089	-	5,748,187	2,294,226
1987	Catch	9,174	1,449,753	225,120	1,208,556	1,376,887
	Escapement	0	44,600	-	1,540,500	620,700
	Total	9,174	1,494,353	-	2,749,056	1,997,587
1988	Catch	11,075	1,473,651	505,533	7,044,824	1,908,507
	Escapement	0	74,100	-	2,839,600	496,400
	Total	11,075	1,547,751	-	9,884,424	2,404,907
1989	Catch	7,065	2,660,800	443,843	7,292,658	994,231
	Escapement	0	78,100	-	1,870,900	310,500
	Total	7,065	2,738,900	-	9,163,558	1,304,731
1990	Catch	16,522	2,386,844	307,218	2,865,856	1,237,826
	Escapement	0	95,300	-	1,598,400	354,700
	Total	16,522	2,482,144	-	4,464,256	1,592,526
1991	Catch	7,975	2,319,942	317,129	10,616,756	1,588,795
	Escapement	0	124,900	-	2,946,800	587,600
	Total	7,975	2,444,842	-	13,563,556	2,176,395

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Year		Chinook ^a	Sockeye ^a	Coho ^{a,b}	Pink ^a	Chum ^a
1992	Catch	8,026	3,445,914	418,232	9,770,386	1,316,709
	Escapement	0	97,600	-	2,834,400	335,500
	Total	8,026	3,543,514	-	12,604,786	1,652,209
1993	Catch	14,413	3,689,074	220,148	9,928,107	1,048,257
	Escapement	0	100,341	-	2,990,140	397,030
	Total	14,413	3,789,415	-	12,918,247	1,445,287
1994	Catch	10,002	2,107,233	255,905	9,179,853	2,192,079
	Escapement	0	120,255	-	3,071,725	579,100
	Total	10,002	2,227,488	-	12,251,578	2,771,179
1995	Catch	17,078	2,996,353	260,686	16,302,593	1,715,067
	Escapement	0	129,110	-	6,406,300	726,400
	Total	17,078	3,125,463	-	22,708,893	2,441,467
1996	Catch	5,526	1,543,691	293,374	2,205,094	793,679
	Escapement	0	72,950	-	3,647,550	610,300
	Total	5,526	1,616,641	-	5,852,644	1,403,979
1997	Catch	7,780	2,281,566	116,136	2,321,371	627,996
	Escapement	0	104,440	-	5,143,275	809,050
	Total	7,780	2,386,006	-	7,464,646	1,437,046
1998	Catch	4,919	2,183,195	154,194	8,047,998	721,068
	Escapement	0	85,440	-	4,668,065	742,235
	Total	4,919	2,268,635	-	12,716,063	1,463,303
1999	Catch	5,074	2,991,819	192,503	8,456,449	840,030
	Escapement	0	96,800	-	5,015,310	725,180
	Total	5,074	3,088,619	-	13,471,759	1,565,210
2000	Catch	5,445	2,006,487	257,245	3,562,866	1,066,653
	Escapement	0	69,530	-	2,792,985	522,075
	Total	5,445	2,076,017	-	6,355,851	1,588,728
2001	Catch	2,620	614,080	214,252	4,021,382	933,014
	Escapement	0	161,630	-	2,965,136	751,221
	Total	2,620	775,710	-	6,986,518	1,684,235
2002	Catch	6,428	1,036,722	202,728	2,170,809	820,257
	Escapement	0	192,749	-	3,762,800	602,750
	Total	6,428	1,229,471	-	5,933,609	1,423,007
2003	Catch	2,874	1,055,218	132,374	4,262,920	639,772
	Escapement	0	198,192	-	5,511,220	491,040
	Total	2,874	1,253,410	-	9,774,140	1,130,812

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Year		Chinook ^a	Sockeye ^a	Coho ^{a,b}	Pink ^a	Chum ^a
2004	Catch	7,123	2,206,296	236,144	6,681,447	794,659
	Escapement	0	220,861	-	8,311,410	732,400
	Total	7,123	2,427,157	-	14,992,857	1,527,059
2005	Catch	4,554	2,338,294	145,754	9,423,314	741,600
	Escapement	0	123,964	-	6,165,634	970,310
	Total	4,554	2,462,258	-	15,588,948	1,711,910
2006	Catch	5,400	1,835,218	164,962	4,261,230	1,175,843
	Escapement	0	88,148	-	2,862,250	764,750
	Total	5,400	1,923,366	-	7,123,480	1,940,593
2007	Catch	5,312	2,438,672	150,955	7,299,330	679,787
	Escapement	0	69,013	-	2,680,213	726,661
	Total	5,312	2,507,685	-	9,979,543	1,406,448
2008	Catch	4,378	2,249,144	227,550	12,723,983	814,123
	Escapement	0	95,859	-	3,338,370	591,950
	Total	4,378	2,345,003	-	16,062,353	1,406,073
2009	Catch	5,875	1,724,516	248,563	7,921,089	1,684,583
	Escapement	0	128,117	-	3,067,000	512,230
	Total	5,875	1,852,633	-	10,988,089	2,196,813

^a Catch numbers include commercial and test fish harvests, but exclude subsistence harvests.

^b Coho salmon escapement is not normally calculated due to the severe weather conditions in the fall, timing of coho in the area, and budgetary limitations.

Appendix A13.—South Alaska Peninsula commercial salmon harvest, all gear combined, by species and day, 2009.

Date	Permits	Landings	Number of Salmon ^a					Total
			Chinook	Sockeye	Coho	Pink	Chum	
7-Jun	58	59	36	7,910	0	1,242	3,490	12,678
8-Jun	96	110	215	16,422	0	4,233	10,705	31,575
9-Jun	109	124	249	26,576	0	5,331	11,743	43,899
10-Jun	106	112	160	32,425	0	6,384	13,090	52,059
12-Jun	121	131	251	24,647	0	10,854	11,642	47,394
13-Jun	155	181	618	80,898	0	88,460	51,046	221,022
14-Jun	147	195	417	81,837	0	46,513	55,910	184,677
15-Jun	163	191	442	98,911	0	73,309	71,491	244,153
17-Jun	157	170	157	69,221	1	57,982	44,647	172,008
18-Jun	188	252	329	133,968	0	180,895	75,142	390,334
19-Jun	181	216	114	95,700	0	122,454	45,040	263,308
20-Jun	166	205	117	91,703	1	133,504	40,535	265,860
22-Jun	142	166	116	50,079	1	144,169	36,620	230,985
23-Jun	104	146	102	50,847	1	131,798	35,658	218,406
24-Jun	91	125	110	65,594	0	187,958	44,365	298,027
25-Jun	85	123	126	60,585	0	179,931	44,604	285,246
27-Jun	65	112	103	56,799	2	200,255	27,657	284,816
28-Jun	79	120	93	72,976	82	295,494	38,555	407,200
29-Jun	81	114	81	50,685	115	377,789	34,835	463,505
1-Jul	18	28	0	10,935	1	96	123	11,155
2-Jul	16	23	6	7,124	5	98	91	7,324
3-Jul	5	17	3	3,185	107	3,423	248	6,966
4-Jul	5	12	11	2,695	209	6,686	2,820	12,421
5-Jul	16	29	17	6,668	80	11,408	1,201	19,374
6-Jul	77	120	144	44,596	4,235	213,822	22,090	284,887
7-Jul	20	33	3	5,747	3	1,948	134	7,835
8-Jul	8	11	1	1,902	3	627	9	2,542
9-Jul	81	126	293	34,319	7,152	184,082	10,434	236,280
10-Jul	37	78	14	13,006	102	1,720	873	15,715
11-Jul	19	26	6	4,368	103	1,115	291	5,883
12-Jul	70	108	93	43,316	11,202	111,595	13,708	179,914
13-Jul	35	47	17	12,002	150	2,030	1,353	15,552
14-Jul	53	88	33	25,572	938	25,594	3,980	56,117
15-Jul	77	97	95	28,970	36,043	103,666	12,865	181,639

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Date	Permits	Landings	Number of Salmon ^a					Total
			Chinook	Sockeye	Coho	Pink	Chum	
16-Jul	6	8	1	1,026	0	62	12	1,101
17-Jul	26	34	0	5,864	101	2,591	567	9,123
18-Jul	83	120	90	37,020	24,754	97,385	12,103	171,352
19-Jul	12	14	0	1,475	4	280	139	1,898
20-Jul	3	3	0	361	0	36	7	404
21-Jul	52	59	21	21,135	6,513	100,123	10,888	138,680
22-Jul	7	13	1	1,690	1	930	287	2,909
23-Jul	52	66	19	8,681	6,326	38,293	5,884	59,203
24-Jul	83	120	101	31,113	26,753	174,423	19,514	251,904
25-Jul	21	43	1	8,665	125	9,495	2,588	20,874
26-Jul	32	53	5	8,458	581	31,654	4,559	45,257
27-Jul	46	60	0	7,110	1,417	49,499	6,764	64,790
28-Jul	57	68	115	25,138	13,889	239,019	26,761	304,922
29-Jul	21	39	2	11,178	386	42,544	7,379	61,489
30-Jul	61	87	27	10,479	3,384	123,301	15,046	152,237
31-Jul	81	107	395	19,929	18,813	294,264	31,724	365,125
1-Aug	26	32	57	5,172	3,414	106,672	20,417	135,732
2-Aug	22	27	31	2,551	3,876	70,884	7,686	85,028
3-Aug	7	7	0	1,838	29	16,084	584	18,535
4-Aug	60	67	2	11,569	3,678	272,388	34,920	322,557
5-Aug	52	71	34	10,065	5,622	167,439	25,881	209,041
6-Aug	32	36	82	5,499	6,051	231,840	23,444	266,916
7-Aug	40	52	50	4,751	5,718	193,686	25,026	229,231
8-Aug	42	44	17	3,441	6,521	168,253	17,253	195,485
9-Aug	32	33	20	1,601	2,207	119,069	22,433	145,330
10-Aug	44	51	3	1,982	868	125,211	14,867	142,931
11-Aug	53	77	17	4,237	1,015	178,567	32,819	216,655
12-Aug	38	47	38	2,414	1,540	160,219	24,512	188,723
13-Aug	27	36	24	3,004	3,320	104,743	13,693	124,784
14-Aug	47	57	66	8,758	4,282	206,596	33,651	253,353
15-Aug	45	66	8	6,772	2,284	189,700	43,988	242,752
16-Aug	35	40	61	4,212	7,884	197,773	32,316	242,246
17-Aug	27	34	0	6,127	4,335	164,930	17,892	193,284
18-Aug	54	67	10	5,652	4,679	342,405	27,397	380,143

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Date	Permits	Landings	Number of Salmon ^a					Total
			Chinook	Sockeye	Coho	Pink	Chum	
19-Aug	37	50	1	3,800	782	138,081	33,469	176,133
20-Aug	31	39	0	4,117	794	92,852	25,489	123,252
21-Aug	30	40	0	2,976	657	90,552	35,172	129,357
22-Aug	22	29	0	1,841	359	61,212	24,313	87,725
23-Aug	17	17	0	1,718	306	42,549	7,284	51,857
24-Aug	11	12	0	567	133	146,317	11,102	158,119
25-Aug	7	9	0	6	25	74,781	43,731	118,543
26-Aug	8	9	0	0	0	34,000	24,674	58,674
27-Aug	4	4	0	0	0	26,396	7,866	34,262
28-Aug	5	7	0	0	0	27,554	21,444	48,998
29-Aug ^b								
30-Aug	3	3	0	0	0	2,277	17,143	19,420
31-Aug	5	5	0	0	0	1,782	8,938	10,720
1-Sep	15	15	1	552	188	23,104	12,112	35,957
2-Sep	18	18	0	996	622	1,401	4,873	7,892
3-Sep	23	31	1	1,995	2,933	1,627	19,974	26,530
4-Sep ^b								
5-Sep	3	3	0	0	0	238	11,353	11,591
6-Sep ^b								
7-Sep	12	13	0	452	1,273	91	7,079	8,895
8-Sep	11	17	0	666	844	5	357	1,872
9-Sep	11	14	0	725	1,477	0	237	2,439
11-Sep ^b								
13-Sep	3	3	0	0	0	0	9,529	9,529
14-Sep	5	5	0	131	3,721	0	39	3,891
15-Sep	11	11	0	527	1,059	0	7,082	8,668
16-Sep	8	8	0	591	985	11,502	678	13,756
18-Sep ^b								
22-Sep	3	3	0	645	699	0	45	1,389
23-Sep	3	3	2	736	392	0	44	1,174
28-Sep ^b								
30-Sep	3	3	0	194	127	0	9	330
Total	238	5,812	5,875	1,724,516	248,563	7,921,089	1,684,583	11,584,626

^a Catch numbers include commercial and test fish harvests, but exclude personal use harvests.

^b Confidential information.

Appendix A14.—South Alaska Peninsula commercial salmon harvest by species, statistical area, section, and district, 2009.

Statistical Area	Section	Number of Salmon					Total
		Chinook	Sockeye	Coho	Pink	Chum	
SOUTHEASTERN DISTRICT							
281-15	Kupreanof Point	11	8,401	568	63,869	4,794	77,643
281-25	Island/ Fox Bay	61	79,647	10,210	154,418	30,096	274,432
East Stepovak Section Total		72	88,048	10,778	218,287	34,890	352,075
281-30	Stepovak Flats Section	0	0	0	0	0	0
281-40	Grub Gulch/Clark Bay	17	20,771	301	162,328	21,627	205,044
281-50	Orzinski Bay	17	32,844	416	18,070	4,487	55,834
281-55	American Bay	8	24,202	293	66,446	9,573	100,522
281-62	Chichagof Bay	1	17,605	254	63,253	10,765	91,878
281-65	Suzy Creek/West Cove	6	12,071	202	3,120	1,882	17,281
281-67	Dorenoi Bay	0	49	9	4,109	2,416	6,583
Northwest Stepovak Section Total		49	107,542	1,475	317,326	50,750	477,142
281-70	Southwest Stepovak Section	14	16,171	1,916	77,656	15,903	111,660
281-80	Balboa Bay Section	15	30,082	2,077	234,949	47,042	314,165
281-90	Beaver Bay Section	2	1,140	156	26,838	1,975	30,111
282-10	Popof Strait/Squaw Harbor	66	28,758	11,664	205,499	18,952	264,939
282-11	Unga Cape/East Popof	3,479	494,586	133,106	2,577,972	566,591	3,775,734
282-20	Acheredin Bay	34	29,026	11,284	196,719	14,137	251,200
282-25	West Unga Island	24	35,370	12,303	213,170	18,954	279,821
282-30	Bay Point	11	8,914	5	106	373	9,409
282-32	Outer Zachary Bay	0	0	0	145	0	145
282-35	Zachary Bay	3	834	12	10,335	47	11,231
282-40	East Head/West Head	52	10,036	1	18,594	3,675	32,358
282-42	Korovin Island	492	91,449	14,133	198,094	69,639	373,807
282-45	Northeast Nagai Island	0	754	3	76	48	881
282-50	Koniuju Islands	0	0	0	0	0	0
282-65	Southeast Nagai Island	21	34,858	1,340	33,966	7,599	77,784
282-70	Southwest Nagai Island	51	14,953	1,614	60,506	9,204	86,328
282-75	Cape Horn/Porpoise Rocks	3	4,579	66	8,245	1,700	14,593
282-80	East Nagai Straits	28	9,150	0	10,323	9,323	28,824
Shumagin Islands Section Total		4,264	763,267	185,531	3,533,750	720,242	5,207,054
SOUTHEASTERN DISTRICT TOTAL		4,416	1,006,250	201,933	4,408,806	870,802	6,492,207
Percent of total South Peninsula salmon harvest							56%

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Statistical		Number of Salmon					
Area	Section	Chinook	Sockeye	Coho	Pink	Chum	Total
SOUTH CENTRAL DISTRICT							
283-15	Mino Creek	0	2,642	0	1,612	38	4,292
283-17	Little Coal Bay	4	19,297	183	55,938	1,706	77,128
Mino Cr. - Little Coal B. Section		4	21,939	183	57,550	1,744	81,420
283-20	Ukolnoi Island	0	0	0	0	0	0
283-21	Northside Cape Tolstoi	2	11,680	5	70,119	762	82,568
283-23	Eastside Pavlof Bay	0	1,333	105	281,983	16,725	300,146
East Pavlof Bay Section Total		2	13,013	110	352,102	17,487	382,714
283-24 Canoe Bay Section		0	0	0	28,499	2,022	30,521
283-25	Northwest Pavlof Bay	33	4,519	63	18,476	16,060	39,151
283-26	Long Beach/Ukolnoi	13	29,029	514	182,945	39,920	252,421
West Pavlof Bay Section Total		46	33,548	577	201,421	55,980	291,572
SOUTH CENTRAL DISTRICT TOTAL		52	68,500	870	639,572	77,233	786,227
Percent of total South Peninsula salmon harvest							7%
SOUTHWESTERN DISTRICT							
284-36	Volcano Bay	0	1,363	156	312,458	210,281	524,258
284-37	Northside Dolgoi Island	15	53,668	2,002	281,167	56,055	392,907
284-38	South Dolgoi/Moss Cape	54	22,838	170	90,108	22,157	135,327
284-39	Poperechnoi	6	4,812	2,386	11,649	3,043	21,896
Volcano Bay Section Total		75	82,681	4,714	695,382	291,536	1,074,388
284-42	Belkofski Bay	1	6,831	344	441,966	60,486	509,628
284-45	King Cove	0	3,446	91	138,685	9,783	152,005
284-47	General Section	0	1,721	0	154	66	1,941
Belkofski Bay Section Total		1	11,998	435	580,805	70,335	663,574
284-55 Deer Island Section		0	58	25	182,421	6,110	188,614
284-62	Outer Cold Bay	0	3,893	48	3,226	2,348	9,515
284-65	Lenard Harbor	0	29	3	48,211	34,620	82,863
284-67	Upper Cold Bay	0	319	66	27,083	29,451	56,919
Cold Bay Section Total		0	4,241	117	78,520	66,419	149,297

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Statistical Area	Section	Number of Salmon					
		Chinook	Sockeye	Coho	Pink	Chum	Total
284-70	General Section	0	0	0	0	0	0
284-75	Thin Point Section	0	27	0	8,053	12,569	20,649
284-80	Morzhovoi Bay Section	0	485	14	61,082	58,525	120,106
284-90	Ikatan Bay Section	479	183,565	17,151	589,007	99,963	890,165
SOUTHWESTERN DISTRICT TOTAL		555	283,055	22,456	2,195,270	605,457	3,106,793
Percent of total South Peninsula salmon harvest							27%
UNIMAK DISTRICT							
285-10	Sanak Island Section	201	23,445	0	933	11,339	35,918
285-20	Otter Cove	350	174,153	4,188	436,356	63,200	678,247
285-30	Cape Lazaref	84	62,972	13,385	46,364	23,171	145,976
Otter Cove Section Total		434	237,125	17,573	482,720	86,371	824,223
285-40	Cape Lutke Section	217	106,141	5,731	193,788	33,381	339,258
UNIMAK DISTRICT TOTAL		852	366,711	23,304	677,441	131,091	1,199,399
Percent of total South Peninsula salmon harvest							10%
SOUTH PENINSULA TOTAL		5,875	1,724,516	248,563	7,921,089	1,684,583	11,584,626

Appendix A15.—South Alaska Peninsula commercial salmon harvest by species, district, and gear, 2009.

	Number of Salmon					Total	Percent of Harvest
	Chinook	Sockeye	Coho	Pink	Chum		
<i>SOUTHEASTERN DISTRICT</i>							
Seine	4,105	612,225	179,374	4,187,290	739,205	5,722,199	88.1
Set gillnet	311	394,025	22,559	221,516	131,597	770,008	11.9
Total	4,416	1,006,250	201,933	4,408,806	870,802	6,492,207	100.0
<i>SOUTH CENTRAL DISTRICT</i>							
Seine	34	27,090	638	626,209	70,924	724,895	92.2
Set gillnet	18	41,410	232	13,363	6,309	61,332	7.8
Total	52	68,500	870	639,572	77,233	786,227	100.0
<i>SOUTHWESTERN DISTRICT</i>							
Seine	255	95,192	10,545	2,052,229	525,321	2,683,542	86.4
Drift gillnet	214	106,083	10,549	71,110	52,299	240,255	7.7
Set gillnet	86	81,780	1,362	71,931	27,837	182,996	5.9
Total	555	283,055	22,456	2,195,270	605,457	3,106,793	100.0
<i>UNIMAK DISTRICT</i>							
Seine	292	113,474	23,304	656,240	57,730	851,040	71.0
Drift gillnet	560	252,099	0	20,801	72,974	346,434	28.9
Set gillnet	0	1,138	0	400	387	1,925	0.2
Total	852	366,711	23,304	677,441	131,091	1,199,399	100.0
<i>SOUTH PENINSULA TOTAL</i>							
Seine	4,686	847,981	213,861	7,521,968	1,393,180	9,981,676	86.2
Drift gillnet	774	358,182	10,549	91,911	125,273	586,689	5.1
Set gillnet	415	518,353	24,153	307,210	166,130	1,016,261	8.8
Total	5,875	1,724,516	248,563	7,921,089	1,684,583	11,584,626	100.0

Appendix A16.–South Peninsula emergency order summary, 2009.

E.O. #	Issued	Effective	Action Taken
SP-01	2:00 PM 6/1/09	6:00 AM 6/7/09	<u>Allows</u> four 88-hour and one 64-hour fishing periods for the South Unimak and Shumagin Islands June fisheries.
CB-01	11:00 AM 6/26/09	6:00 AM 6/29/09	<u>Allows</u> an 84-hour commercial salmon fishing period, from 6:00 AM Monday, June 29 until 6:00 PM Thursday, July 2 in the Uria Bay Section of the Northwestern District. <u>Establishes</u> closed waters within 500 yards of the Christianson's Lagoon exit channel terminus at the ocean shoreline.
SP-02	9:30 AM 6/29/09	5:00 AM 7/1/09	<u>Allows</u> a 48-hour commercial salmon fishing period, from 5:00 AM Wednesday, July 1 until 5:00 AM Friday, July 3 in the Northwest Stepovak Section of the Southeastern District.
SP-03	10:00 AM 6/30/09	12:01 AM 7/1/09	<u>Establishes</u> the waters closed to subsistence salmon fishing in Reese Bay of Unalaska Island to all waters of Reese Bay south of a line from Cape Wislow (54° 00.86' N. Lat., 166° 44.81' W. long.) to Cape Cheerful (54° 01.05' N. lat., 166° 40.20' W. long.)
SP-04	12:00 PM 6/30/09	5:00 AM 7/1/09	<u>Allows</u> seine gear for a 48-hour commercial fishing period, from 5:00 AM Wednesday, July 1 to 5:00 AM Friday, July 3 in Orzinski Bay. <u>Reduces</u> waters closed to commercial salmon fishing in Orzinski Bay to the stream mouth.
SP-05	1:00 PM 7/2/09	5:00 AM 7/3/09	<u>Extends</u> the current commercial salmon fishing period for 51 hours from 5:00 AM Friday, July 3 until 8:00 AM Sunday, July 5 in Orzinski Bay. <u>Reduces</u> waters closed to commercial salmon fishing in Orzinski Bay to the stream mouth.
SP-06	1:00 PM 7/4/09	12:00 PM 7/5/09	<u>Allows</u> a 48-hour commercial salmon fishing period from 12:00 PM Sunday, July 5 until 12:00 PM Tuesday, July 7 in the Northwest Section of the Southeastern District. <u>Extends</u> the current commercial salmon fishing period for 55 hours from 5:00 AM Sunday, July 5 through 12:00 PM Tuesday, July 7 in Orzinski Bay. <u>Reduces</u> waters closed to commercial salmon fishing in Orzinski Bay to the stream mouth.

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E.O. #	Issued	Effective	Action Taken
SP-07	4:00 PM 7/5/09	12:01 AM 7/6/09	<u>Allows</u> a 21-hour commercial salmon fishing period from 12:01 AM Monday, July 6 until 9:00 PM Monday, July 6 in the Unimak, Southwestern, and South Central Districts, as well as the Shumagin Islands section of the Southeastern District.
SP-08	3:00 PM 7/6/09	12:01 AM 7/7/09	<u>Reduces</u> waters of Reese Bay closed to subsistence salmon fishing to those waters within 500 yards of the outlet stream terminus to McLees Lake from 12:01 AM Tuesday, July 7 until further notice.
SP-09	7:00 AM 7/7/09	12:00 PM 7/7/09	<u>Extends</u> the current commercial salmon fishing period for 48 hours from 12:00 PM Tuesday, July 7 until 12:00 PM Thursday, July 9 in Orzinski Bay. <u>Reduces</u> waters closed to commercial salmon fishing in Orzinski Bay to the stream mouth.
SP-10	12:00 PM 7/7/09	12:01 AM 7/9/09	<u>Allows</u> a 48-hour commercial salmon fishing period from 12:01 AM Thursday, July 9 until 12:00 MIDNIGHT Friday, July 10 in the Beaver Bay, Balboa Bay, Southwest Stepovak, Stepovak Flats, and East Stepovak sections of the Southeastern District. <u>Allows</u> a 48-hour commercial salmon fishing period from 12:00 PM Thursday, July 9 until 12:00 PM Saturday, July 11 in the Northwest Stepovak Section of the Southeastern District.
CB-02	9:30 PM 7/7/09	12:00 PM 7/8/09	<u>Allows</u> a 78-hour commercial salmon fishing period from 12:00 PM Wednesday, July 8 until 6:00 PM Saturday, July 11 in the Uria Bay Section of the Northwestern District. <u>Establishes</u> closed waters within 500 yards of the Christianson's Lagoon exit channel terminus at the ocean shoreline.
CB-03	9:30 PM 7/7/09	9:00 PM 7/8/09	<u>Allows</u> a 24-hour commercial salmon period from 9:00 PM Wednesday, July 8 until 9:00 PM Thursday, July 9 in the Unimak and Southwestern Districts.
SP-11	8:30 AM 7/8/09	9:00 PM 7/8/09	<u>Allows</u> a 24-hour commercial salmon period from 9:00 PM Wednesday, July 8 until 9:00 PM Thursday, July 9 in the South Central District and Shumagin Islands Section of the Southeastern District.
SP-12	7:30 AM 7/9/09	12:00 PM 7/9/09	<u>Extends</u> the current commercial salmon fishing period for 48 hours from 12:00 PM Thursday, July 9 until 12:00 PM Saturday, July 11 in Orzinski Bay. <u>Reduces</u> waters closed to commercial salmon fishing in Orzinski Bay to the stream mouth.

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E.O. #	Issued	Effective	Action Taken
CB-04	4:30 PM 7/10/09	9:00 PM 7/11/09	<u>Allows</u> a 24-hour commercial salmon period from 9:00 PM Saturday, July 11 until 9:00 PM Sunday, July 12 in the Unimak and Southwestern Districts.
SP-13	8:30 AM 7/11/09	9:00 PM 7/11/09	<u>Allows</u> a 24-hour commercial salmon period from 9:00 PM Saturday, July 11 until 9:00 PM Sunday, July 12 in the South Central District and Shumagin Islands Section of the Southeastern District. <u>Extends</u> the current commercial salmon fishing period for 48 hours from 12:00 PM Saturday, July 11 until 12:00 PM Monday, July 13 in Orzinski Bay. <u>Reduces</u> waters closed to commercial salmon fishing in Orzinski Bay to the stream mouth.
SP-14	12:00 PM 7/12/09	12:00 PM 7/13/09	<u>Allows</u> a 33-hour commercial salmon fishing period from 12:00 PM Monday, July 13 until 9:00 PM Tuesday, July 14 in the Beaver Bay, Balboa Bay, Southwest Stepovak, Stepovak Flats, and East Stepovak sections of the Southeastern District. <u>Allows</u> a 48-hour commercial salmon fishing period from 12:00 PM Monday, July 13 until 12:00 PM Wednesday, July 15 in the Northwest Stepovak Section of the Southeastern District. <u>Allows</u> a 24-hour commercial salmon fishing period from 9:00 PM Tuesday, July 14 until 9:00 PM Wednesday, July 15 in the South Central District and the Shumagin Islands Section of the Southeastern District.
CB-05	1:00 PM 7/12/09	6:00 AM 7/13/09	<u>Allows</u> an 84-hour commercial salmon fishing period from 6:00 AM Monday, July 13 until 6:00 PM Thursday, July 16 in the Uria Bay Section of the Northwestern District. <u>Establishes</u> closed waters within 500 yards of the Christianson's Lagoon exit channel terminus at the ocean shoreline.
SP-15	4:00 PM 7/12/09	12:00 PM 7/13/09	<u>Reduces</u> waters closed to commercial salmon fishing in Orzinski Bay to the stream mouth from 12:00 PM Monday, July 13 until 12:00 PM Wednesday, July 15.
CB-06	4:30 PM 7/13/09	9:00 PM 7/14/09	<u>Allows</u> a 24-hour commercial salmon fishing period from 9:00 PM Tuesday, July 14 until 9:00 PM Wednesday, July 15 in the Unimak District and Southwestern District.

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E.O. #	Issued	Effective	Action Taken
SP-16	8:00 AM 7/15/09	11:59 PM 7/15/09	<p><u>Allows</u> a 252-hour commercial salmon fishing period from 12:00 PM Wednesday, July 15 until 12:00 MIDNIGHT Saturday, July 25 in Orzinski Bay.</p> <p><u>Reduces</u> waters closed to commercial salmon fishing in Orzinski Bay to the stream mouth.</p>
CB-07	10:00 AM 7/15/09	6:00 PM 7/16/09	<p><u>Extends</u> the current commercial salmon fishery period for 84 hours from 6:00 PM Thursday, July 16 until 6:00 AM Monday, July 20 in the Uria Bay Section in the Northwestern District.</p> <p><u>Reduces</u> waters closed to commercial salmon fishing to Christianson's Lagoon exit channel terminus at the ocean shoreline.</p>
SP-17	10:30 AM 7/16/09	12:00 PM 7/17/09	<p><u>Allows</u> a 48-hour commercial salmon fishing period for from 12:00 PM Friday, July 17 until 12:00 PM Sunday, July 19 in the Northwest Stepovak Section of the Southeastern District.</p> <p><u>Allows</u> a 24-hour commercial salmon fishing period from 9:00 PM Friday, July 17 until 9:00 PM Saturday, July 18 in the South Central District and Shumagin Islands Section of the Southeastern District.</p>
CB-08	3:30 PM 7/16/09	9:00 PM 7/17/09	<p><u>Allows</u> a 24-hour commercial salmon fishing period from 9:00 PM Friday, July 17 until 9:00 PM Saturday, July 18 in the Unimak District and Southwestern District.</p>
CB-09	1:30 PM 7/19/09	6:00 AM 7/20/09	<p><u>Extends</u> the current commercial salmon fishing period for 84 hours from 6:00 AM Monday, July 20 until 6:00 PM Thursday, July 23 in the Uria Bay Section of the Northwestern District.</p> <p><u>Reduces</u> waters closed to commercial salmon fishing to Christian's Lagoon exit channel terminus at the ocean shoreline.</p> <p><u>Allows</u> a 24-hour commercial salmon fishing period from 9:00 PM Monday, July 20 until 9:00 PM Tuesday, July 21 in the Unimak District and Southwestern District.</p>
SP-18	8:00 AM 7/20/09	9:00 PM 7/20/09	<p><u>Allows</u> a 24-hour commercial salmon fishing period from 9:00 PM Monday, July 20 until 9:00 PM Tuesday, July 21 in the South Central District and the Shumagin Islands Section of the Southeastern District.</p> <p><u>Allows</u> a 48-hour commercial salmon fishing period from 12:00 PM Tuesday, July 21 until 12:00 PM Thursday, July 23 in the Northwest Stepovak Section of the Southeastern District.</p>

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E.O. #	Issued	Effective	Action Taken
SP-19	6:00 PM 7/21/09	12:00 PM 7/23/09	<p><u>Allows</u> a 48-hour commercial salmon fishing period from 12:00 PM Thursday, July 23 until 12:00 PM Saturday, July 25 in the Aleutian Islands Area.</p> <p><u>Establishes</u> closed waters of Reese Bay south of a line from Cape Wislow (54° 00.86' N. Lat., 166° 44.81' W. long.) to Cape Cheerful (54° 01.05' N. lat., 166° 40.20' W. long.).</p>
SP-20	9:30 AM 7/22/09	12:00 PM 7/13/09	<p><u>Allows</u> a 24-hour commercial salmon fishing period from 12:00 PM Thursday, July 23 until 12:00 PM Friday, July 24 in the Beaver Bay, Balboa Bay, Southwest Stepovak, Stepovak Flats, and East Stepovak sections of the Southeastern District.</p> <p><u>Allows</u> a 36-hour commercial salmon fishing period from 12:00 PM Thursday, July 23 until 12:00 MIDNIGHT Friday, July 24 in the South Central District and Shumagin Islands section of the Southeastern District.</p>
CB-10	2:00 PM 7/22/09	12:00 PM 7/23/09	<p><u>Allows</u> a 36-hour commercial salmon fishing period from 12:00 PM Thursday, July 23 until 12:00 MIDNIGHT Friday, July 24 in the Unimak District and Southwestern District.</p> <p><u>Extends</u> the current commercial salmon fishing period for 84 hours from 6:00 PM Thursday, July 23 until 6:00 AM Monday, July 27 in the Uria Bay Section of the Northwestern District.</p> <p><u>Reduces</u> waters closed to commercial salmon fishing to Christianson's Lagoon exit channel terminus at the ocean shoreline.</p>
SP-21	9:00 AM 7/24/09	12:00 PM 7/24/09	<p><u>Extends</u> the current commercial salmon fishing period for 24 hours from 12:00 PM Friday, July 24 until 12:00 PM Saturday, July 25 in Beaver Bay, Balboa Bay, Southwest Stepovak, Stepovak Flats, and East Stepovak sections of the Southeastern District.</p>
SP-22	4:30 PM 7/24/09	12:00 PM 7/24/09	<p><u>Allows</u> a 48-hour commercial salmon fishing period from 12:00 PM Saturday, July 25 until 12:00 PM Monday, July 27 in the Northwest Stepovak Section of the Southeastern District.</p> <p><u>Extends</u> the current commercial salmon fishing period for 36 hours from 12:00 MIDNIGHT Saturday, July 25 until 12:00 PM Monday, July 27 in Orzinski Bay.</p> <p><u>Reduces</u> waters closed to commercial salmon fishing in Orzinski Bay to the stream mouth.</p>

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E.O. #	Issued	Effective	Action Taken
SP-23	6:30 PM 7/24/09	12:00 PM 7/25/09	<u>Extends</u> the current commercial salmon fishing period for 48 hours from 12:00 PM Saturday, July 25 until 12:00 PM Monday, July 27 Aleutian Islands Area. <u>Establishes</u> closed waters of Reese Bay south of a line from Cape Wislow (54° 00.86' N. Lat., 166° 44.81' W. long.) to Cape Cheerful (54° 01.05' N. lat., 166° 40.20' W. long.).
SP-24	8:00 AM 7/25/09	12:00 PM 7/25/09	<u>Allows</u> a 48-hour commercial salmon fishing period from 12:00 PM Saturday, July 25 until 12:00 PM Monday, July 27 in Beaver Bay, Balboa Bay, Southwest Stepovak, Stepovak Flats, and East Stepovak sections of the Southeastern District.
CB-11	9:00 AM 7/26/09	12:01 AM 7/27/09	<u>Allows</u> a 36-hour commercial salmon fishing period from 12:01 AM Monday, July 27 until 12:00 PM Tuesday, July 28 in the Unimak District and Southwestern District. <u>Extends</u> the current commercial salmon fishing period for 84 hours from 6:00 AM Monday, July 27 until 6:00 PM Thursday, July 30 in the Uria Bay Section of the Northwestern District. <u>Reduces</u> waters closed to commercial salmon fishing to Christianson's Lagoon exit channel terminus at the ocean shoreline.
SP-25	11:00 AM 7/26/09	12:01 AM 7/27/09	<u>Allows</u> a 36-hour commercial salmon fishing period from 12:01 AM Monday, July 27 until 12:00 PM Tuesday, July 28 in the South Central District and the Shumagin Islands section of the Southeastern District.
SP-27	4:30 PM 7/26/09	12:00 PM 7/27/09	<u>Allows</u> a 57-hour commercial salmon fishing period from 12:00 PM Monday, July 27 until 9:00 PM Wednesday, July 29 in the Aleutian Islands Area. <u>Establishes</u> closed waters of Reese Bay south of a line from Cape Wislow (54° 00.86' N. Lat., 166° 44.81' W. long.) to Cape Cheerful (54° 01.05' N. lat., 166° 40.20' W. long.).
SP-27	4:30 PM 7/26/09	12:00 PM 7/27/09	<u>Extends</u> the current commercial salmon fishing period for 57 hours from 12:00 PM Monday, July 27 until 9:00 PM Wednesday, July 29 in the Beaver Bay, Balboa Bay, Southwest Stepovak, East Stepovak, and Northwest Stepovak sections of the Southeastern District. <u>Reduces</u> waters closed to commercial salmon fishing in Orzinski Bay to the stream mouth.

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E.O. #	Issued	Effective	Action Taken
SP-28	9:30 AM 7/29/09	9:00 PM 7/29/09	<u>Extends</u> the current commercial salmon fishing period for 48 hours from 9:00 PM Wednesday, July 29 until 9:00 PM Friday, July 31 in the Aleutian Islands.
SP-29	9:30 AM 7/29/09	9:00 PM 7/29/09	<u>Extends</u> the current commercial salmon fishing period for 48 hours from 9:00 PM Wednesday, July 29 until 9:00 PM Friday, July 31 in the Beaver Bay, Balboa Bay, Southwest Stepovak, East Stepovak, and Northwest Stepovak sections of the Southeastern District.
CB-12	4:00 PM 7/29/09	12:00 PM 7/30/09	<u>Allows</u> a 36-hour commercial salmon fishing period from 12:00 PM Thursday, July 30 until 12:00 MIDNIGHT Friday, July 31 in the Unimak District and the Southwestern District. <u>Extends</u> the current commercial salmon fishing period for 84 hours from 6:00 PM Thursday, July 30 until 6:00 AM Monday, August 3 in the Uria Bay Section of the Northwestern District. <u>Reduces</u> waters closed to commercial salmon fishing to Christianson’s Lagoon exit channel terminus at the ocean shoreline.
SP-30	4:30 PM 7/29/09	12:00 PM 7/30/09	<u>Allows</u> a 36-hour commercial salmon fishing period from 12:00 PM Thursday, July 30 until 12:00 MIDNIGHT Friday, July 31 in the South Central District and the Shumagin Islands Section of the Southeastern District.
SP-31	1:00 PM 7/31/09	9:00 PM 7/31/09	<u>Extends</u> the current commercial salmon fishing period for 96 hours from 9:00 PM Friday, July 31 until 9:00 PM Tuesday, August 4 in the Aleutian Islands Area. <u>Establishes</u> closed waters of Reese Bay south of a line from Cape Wislow (54° 00.86’ N. Lat., 166° 44.81’ W. long.) to Cape Cheerful (54° 01.05’ N. lat., 166° 40.20’ W. long.).
SP-32	2:30 PM 7/31/09	12:01 AM 8/1/09	<u>Extends</u> the current commercial salmon fishing period for 45 hours from 12:01 AM Saturday, August 1 until 9:00 PM Sunday, August 2 in the South Central District and the Shumagin Islands Section of the Southeastern District.

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E.O. #	Issued	Effective	Action Taken
CB-13	3:00 PM 7/31/09	12:01 AM 8/1/09	<p><u>Extends</u> the current commercial salmon fishing period for 45 hours from 12:01 AM Saturday, August 1 until 9:00 PM Sunday, August 2 in the Unimak District and Southwestern District.</p> <p><u>Establishes</u> closed waters of Belkofski Bay, north of a line extending from Indian Head (55° 05.25' N. lat., 162° 12.16' W. long.) to Kitchen Anchorage (55° 06.77' N. lat., 162° 08.24' W. long.), and in Volcano Bay, north and west of a line extending from Arch Point (55° 12.30' N. lat., 161° 54.30' W. long.) to a point at 55° 09.83' N. lat., 161° 58.17' W. long.</p> <p><u>Allows</u> a 48-hour commercial salmon fishing period from 6:00 AM Saturday, August 1 until 6:00 AM Monday, August 3 in the Bechevin Bay Section of the Northwestern District.</p>
SP-33	10:30 AM 8/2/09	9:00 PM 8/2/09	<p><u>Extends</u> the current commercial salmon fishing period for 48 hours from 9:00 PM Sunday, August 2 until 9:00 PM Tuesday, August 4 in the South Central District and the Shumagin Islands Section of the Southeastern District.</p> <p><u>Allows</u> a 61-hour commercial salmon fishing period from 8:00 AM Monday, August 3 until 9:00 PM Wednesday, August 5 in the Beaver Bay, Balboa Bay, Southwest Stepovak, East Stepovak, and Northwest Stepovak sections of the Southeastern District.</p> <p><u>Reduces</u> waters closed to commercial salmon fishing in Orzinski Bay to the stream mouth.</p>

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E.O. #	Issued	Effective	Action Taken
CB-14	11:30 AM 8/2/09	9:00 PM 8/2/09	<p><u>Extends</u> current commercial salmon fishing period for 48 hours from 9:00 PM Sunday, August 2 until 9:00 PM Tuesday, August 4 in the Unimak District and Southwestern District.</p> <p><u>Establishes</u> closed waters of Belkofski Bay, north of a line extending from Indian Head (55° 05.25' N. lat., 162° 12.16' W. long.) to Kitchen Anchorage (55° 06.77' N. lat., 162° 08.24' W. long.), and in Volcano Bay, north and west of a line extending from Arch Point (55° 12.30' N. lat., 161° 54.30' W. long.) to a point at 55° 09.83' N. lat., 161° 58.17' W. long.</p> <p><u>Extends</u> current commercial salmon fishing period for 84 hours from 6:00 AM Monday, August 3 until 6:00 PM Thursday, August 6 in Bechevin Bay and Urilia Bay sections of Northwestern District.</p> <p><u>Reduces</u> waters closed to commercial salmon fishing to Christianson's Lagoon exit channel terminus at ocean shoreline.</p>
CB-15	11:00 AM 8/4/09	9:00 PM 8/4/09	<p><u>Extends</u> the current commercial salmon fishing period for 48 hours from 9:00 PM Sunday, August 2 until 9:00 PM Tuesday, August 4 in Unimak District and Southwestern District.</p> <p><u>Establishes</u> closed waters of Belkofski Bay, north of a line extending from Indian Head (55° 05.25' N. lat., 162° 12.16' W. long.) to Kitchen Anchorage (55° 06.77' N. lat., 162° 08.24' W. long.), and in Volcano Bay, north and west of a line extending from Arch Point (55° 12.30' N. lat., 161° 54.30' W. long.) to a point at 55° 09.83' N. lat., 161° 58.17' W. long.</p>
CB-16	4:00 PM 8/5/09	6:00 PM 8/6/09	<p><u>Extends</u> current commercial salmon fishing period for 84 hours from 6:00 PM Thursday, August 6 until 6:00 AM Monday, August 10 in Bechevin Bay and Urilia Bay sections of Northwestern District.</p> <p><u>Reduces</u> waters closed to commercial salmon fishing to Christianson's Lagoon exit channel terminus at ocean shoreline.</p>
SP-34	3:30 PM 8/4/09	9:00 PM 8/4/09	<p><u>Extends</u> current commercial salmon fishing period for 96 hours from 9:00 PM Tuesday, August 4 until 9:00 PM Saturday, August 8 in Aleutian Islands Area.</p> <p><u>Establishes</u> closed waters of Reese Bay south of a line from Cape Wislow (54° 00.86' N. Lat., 166° 44.81' W. long.) to Cape Cheerful (54° 01.05' N. lat., 166° 40.20' W. long.).</p>

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E.O. #	Issued	Effective	Action Taken
SP-35	4:00 PM 8/4/09	9:00 PM 8/4/09	<u>Extends</u> the current commercial salmon fishing period for 48 hours from 9:00 PM Tuesday, August 4 until 9:00 PM Thursday, August 6 in the Shumagin Islands Section of the Southeastern District.
CB-17	11:30 AM 8/6/09	9:00 PM 8/6/09	<u>Extends</u> the current commercial salmon fishing period for 48 hours from 9:00 PM Thursday, August 6 until 9:00 PM Saturday, August 8 in the Unimak District and Southwestern District. <u>Establishes</u> closed waters of Belkofski Bay, north of a line extending from Indian Head (55° 05.25' N. lat., 162° 12.16' W. long.) to Kitchen Anchorage (55° 06.77' N. lat., 162° 08.24' W. long.), and in Volcano Bay, north and west of a line extending from Arch Point (55° 12.30' N. lat., 161° 54.30' W. long.) to a point at 55° 09.83' N. lat., 161° 58.17' W. long.
SP-36	11:30 AM 8/6/09	9:00 PM 8/6/09	<u>Extends</u> the current commercial salmon fishing period for 48-hours from 9:00 PM Thursday, August 6 until 9:00 PM Saturday, August 8 in the Shumagin Islands Section of the Southeastern District.
SP-37	11:00 AM 8/8/09	9:00 PM 8/8/09	<u>Extends</u> the current commercial salmon fishing period for 48 hours from 9:00 PM Saturday, August 8 until 9:00 PM Monday, August 10 in the Shumagin Islands Section of the Southeastern District.
CB-18	4:00 PM 8/8/09	9:00 PM 8/8/09	<u>Extends</u> the current commercial salmon fishing period for 48 hours from 9:00 PM Saturday, August 8 until 9:00 PM Monday, August 10 in the Unimak District and the Southwestern District. <u>Establishes</u> closed waters of Belkofski Bay, north of a line extending from Indian Head (55° 05.25' N. lat., 162° 12.16' W. long.) to Kitchen Anchorage (55° 06.77' N. lat., 162° 08.24' W. long.), and in Volcano Bay, north and west of a line extending from Arch Point (55° 12.30' N. lat., 161° 54.30' W. long.) to a point at 55° 09.83' N. lat., 161° 58.17' W. long.
SP-38	9:30 AM 8/9/09	8:00 AM 8/10/09	<u>Allows</u> an 85-hour commercial salmon fishing period from 8:00 AM Monday, August 10 until 9:00 PM Thursday, August 13 in the Aleutian Islands Area. <u>Establishes</u> closed waters of Reese Bay south of a line from Cape Wislow (54° 00.86' N. Lat., 166° 44.81' W. long.) to Cape Cheerful (54° 01.05' N. lat., 166° 40.20' W. long.).

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E.O. #	Issued	Effective	Action Taken
SP-39	9:30 AM 8/9/09	8:00 AM 8/10/09	<p><u>Allows</u> a 37-hour commercial salmon fishing period from 8:00 AM Monday, August 10 until 9:00 PM Tuesday, August 11 in the Beaver Bay, Balboa Bay, Southwest Stepovak, East Stepovak, and Northwest Stepovak sections of the Southeastern District.</p> <p><u>Reduces</u> waters closed to commercial salmon fishing in Orzinski Bay to the stream mouth.</p>
CB-19	10:00 AM 8/9/09	6:00 AM 8/10/09	<p><u>Extends</u> the current commercial salmon fishing period for 84 hours from 6:00 AM Monday, August 10 until 6:00 PM Thursday, August 13 in Bechevin Bay and Uria Bay sections of the Northwestern District.</p> <p><u>Reduces</u> waters closed to commercial salmon fishing to Christianson's Lagoon exit channel terminus at the ocean shoreline.</p>
SP-40	11:30 AM 8/10/09	9:00 PM 8/10/09	<p><u>Extends</u> the current commercial salmon fishing period for 48 hours from 9:00 PM Monday, August 10 until 9:00 PM Wednesday, August 12 in the Shumagin Islands Section of the Southeastern District.</p>
CB-20	11:30 AM 8/10/09	9:00 PM 8/10/09	<p><u>Extends</u> the current commercial salmon fishing period for 48 hours from 9:00 PM Monday, August 10 until 9:00 PM Wednesday, August 12 in the Unimak District and Southwestern District.</p> <p><u>Establishes</u> closed waters of Belkofski Bay, north of a line extending from Indian Head (55° 05.25' N. lat., 162° 12.16' W. long.) to Kitchen Anchorage (55° 06.77' N. lat., 162° 08.24' W. long.), and in Volcano Bay, north and west of a line extending from Arch Point (55° 12.30' N. lat., 161° 54.30' W. long.) to a point at 55° 09.83' N. lat., 161° 58.17' W. long.</p> <p><u>Reduces</u> closed waters around Deer Island to the mouth of the streams.</p>
SP-41	10:30 AM 8/12/09	9:00 PM 8/12/09	<p><u>Extends</u> the current commercial salmon fishing period for 72 hours from 9:00 PM Wednesday, August 12 until 9:00 PM Saturday, August 15 in the Shumagin Islands Section of the Southeastern District.</p>

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E.O. #	Issued	Effective	Action Taken
CB-21	2:30 PM 8/12/09	9:00 PM 8/12/09	<p><u>Extends</u> the current commercial salmon fishing period for 48 hours from 9:00 PM Wednesday, August 12 until 9:00 PM Friday, August 14 in the Unimak District and Southwestern District.</p> <p><u>Establishes</u> closed waters of Belkofski Bay, north of a line extending from Indian Head (55° 05.25' N. lat., 162° 12.16' W. long.) to Kitchen Anchorage (55° 06.77' N. lat., 162° 08.24' W. long.), and in Volcano Bay, north and west of a line extending from Arch Point (55° 12.30' N. lat., 161° 54.30' W. long.) to a point at 55° 09.83' N. lat., 161° 58.17' W. long.</p> <p><u>Reduces</u> closed waters around Deer Island to the mouth of the streams.</p>
SP-42	9:30 AM 8/13/09	9:00 PM 8/13/09	<p><u>Allows</u> a 96-hour commercial salmon fishing period from 9:00 PM Thursday, August 13 until 9:00 PM Monday, August 17 in the Aleutian Islands Area.</p> <p><u>Establishes</u> closed waters of Reese Bay south of a line from Cape Wislow (54° 00.86' N. Lat., 166° 44.81' W. long.) to Cape Cheerful (54° 01.05' N. lat., 166° 40.20' W. long.).</p>
SP-43	9:30 AM 8/13/09	8:00 AM 8/13/09	<p><u>Allows</u> a 37-hour commercial salmon fishing period from 8:00 AM Friday, August 14 until 9:00 PM Saturday, August 15 in the Beaver Bay, Balboa Bay, Southwest Stepovak, East Stepovak, and Northwest Stepovak sections of the Southeastern District.</p> <p><u>Reduces</u> waters closed to commercial salmon fishing in Orzinski Bay to the stream mouth.</p>
CB-22	8:30 AM 8/14/09	12:00 PM 8/14/09	<p><u>Allows</u> a 66-hour commercial salmon fishing period from 12:00 PM Friday, August 14 until 6:00 AM Monday, August 17 in the Bechevin Bay and Urelia Bay sections of the Northwestern District.</p> <p><u>Reduces</u> waters closed to commercial salmon fishing to Christianson's Lagoon exit channel terminus at the ocean shoreline.</p>
SP-44	8:00 AM 8/15/09	9:00 PM 8/15/09	<p><u>Extends</u> the current commercial salmon fishing period for 72 hours from 9:00 PM Saturday, August 15 until 9:00 PM Tuesday, August 18 in the Shumagin Islands Section of the Southeastern District.</p>

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E.O. #	Issued	Effective	Action Taken
CB-23	11:00 AM 8/15/09	9:00 PM 8/15/09	<p><u>Extends</u> the current commercial salmon fishing period for 72 hours from 9:00 PM Saturday, August 15 until 9:00 PM Tuesday, August 18 in the Unimak District and Southwestern District.</p> <p><u>Establishes</u> closed waters of Belkofski Bay, north of a line extending from Indian Head (55° 05.25' N. lat., 162° 12.16' W. long.) to Kitchen Anchorage (55° 06.77' N. lat., 162° 08.24' W. long.).</p> <p><u>Reduces</u> closed waters in Volcano Bay to normally closed waters and around Deer Island to the mouth of the streams.</p>
CB-24	3:30 PM 8/16/09	6:00 AM 8/17/09	<p><u>Allows</u> an 84-hour commercial salmon fishing period from 6:00 AM Monday, August 17 until 6:00 PM Thursday, August 20 in the Bechevin Bay and Uria Bay sections of the Northwestern District.</p> <p><u>Reduces</u> waters closed to commercial salmon fishing to Christianson's Lagoon exit channel terminus at the ocean</p>
SP-45	9:00 AM 8/17/09	9:00 PM 8/17/09	<p><u>Extends</u> the current commercial salmon fishing period for 72 hours from 9:00 PM Monday, August 17 until 9:00 PM Thursday, August 20 in Aleutian Islands Area.</p> <p><u>Establishes</u> closed waters of Reese Bay south of a line from Cape Wislow (54° 00.86' N. Lat., 166° 44.81' W. long.) to Cape Cheerful (54° 01.05' N. lat., 166° 40.20' W. long.).</p>
SP-46	9:00 AM 8/17/09	9:00 PM 8/17/09	<p><u>Extends</u> the current commercial salmon fishing period for 48 hours from 9:00 PM Tuesday, August 18 until 9:00 PM Thursday, August 20 in the Shumagin Islands Section of the Southeastern District.</p> <p><u>Allows</u> a 61-hour commercial salmon fishing period from 8:00 AM Tuesday, August 18 until 9:00 PM Thursday, August 20 in the Beaver Bay, Balboa Bay, Southwest Stepovak, East Stepovak, and Northwest Stepovak sections of the Southeastern District, and the South Central District.</p> <p><u>Reduces</u> waters closed to commercial salmon fishing in Orzinski Bay to the stream mouth.</p>

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E.O. #	Issued	Effective	Action Taken
CB-25	3:30 PM 8/18/09	9:00 PM 8/18/09	<p><u>Extends</u> the current commercial salmon fishing period for 48 hours from 9:00 PM Thursday, August 20 until 9:00 PM Saturday, August 22 in the Unimak District and Southwestern District.</p> <p><u>Establishes</u> closed waters of Belkofski Bay, north of a line extending from Indian Head (55° 05.25' N. lat., 162° 12.16' W. long.) to Kitchen Anchorage (55° 06.77' N. lat., 162° 08.24' W. long.).</p> <p><u>Reduces</u> closed waters around Deer Island to the mouth of the streams.</p>
CB-26	8:00 AM 8/20/09	9:00 PM 8/20/09	<p><u>Extends</u> the current commercial salmon fishing period for 48 hours from 9:00 PM Thursday, August 20 until 9:00 PM Saturday, August 22 in the Unimak District and Southwestern District.</p> <p><u>Establishes</u> closed waters of Belkofski Bay, north of a line extending from Indian Head (55° 05.25' N. lat., 162° 12.16' W. long.) to Kitchen Anchorage (55° 06.77' N. lat., 162° 08.24' W. long.), and the Thin Point Section.</p> <p><u>Reduces</u> closed waters around Deer Island to the mouth of the streams.</p>
SP-47	10:00 AM 8/20/09	9:00 PM 8/20/09	<p><u>Extends</u> the current commercial salmon fishing period for 72 hours from 9:00 PM Thursday, August 20 until 9:00 PM Sunday, August 23 in the Shumagin Islands Section of the Southeastern District, and the South Central District.</p> <p><u>Reduces</u> waters closed to commercial salmon fishing in Orzinski Bay to the stream mouth.</p>
SP-48	10:00 AM 8/20/09	9:00 PM 8/20/09	<p><u>Extends</u> the current commercial salmon fishing period for 72 hours from 9:00 PM Thursday, August 20 until 9:00 PM Sunday, August 23 in the Beaver Bay, Balboa Bay, Southwest Stepovak, East Stepovak, and Northwest Stepovak sections of the Southeastern District.</p>
CB-27	3:30 PM 8/20/09	6:00 PM 8/20/09	<p><u>Allows</u> an 84-hour commercial salmon fishing period from 6:00 PM Thursday, August 20 until 6:00 AM Monday, August 24 in the Bechevin Bay and Urelia Bay sections of the Northwestern District.</p> <p><u>Reduces</u> waters closed to commercial salmon fishing to Christianson's Lagoon exit channel terminus at the ocean shoreline.</p>

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E.O. #	Issued	Effective	Action Taken
CB-28	11:30 AM 8/22/09	9:00 PM 8/22/09	<p><u>Extends</u> the current commercial salmon fishing period for 72 hours from 9:00 PM Saturday, August 22 until 9:00 PM Tuesday, August 25 in the Unimak District and Southwestern District.</p> <p><u>Establishes</u> closed waters for the Thin Point Section.</p> <p><u>Reduces</u> closed waters in the Belkofski Bay Section to normally closed waters.</p> <p><u>Reduces</u> closed waters around Deer Island to the mouth of the streams.</p>
CB-29	12:00 PM 8/23/09	6:00 AM 8/24/09	<p><u>Extends</u> the current commercial salmon fishing period for 84 hours from 6:00 AM Monday, August 24 until 6:00 PM Thursday, August 27 in the Bechevin Bay and Urilia Bay sections of the Northwestern District.</p> <p><u>Reduces</u> waters closed to commercial salmon fishing to Christianson’s lagoon Exit channel terminus at the the ocean shoreline.</p>
SP-49	3:30 PM 8/23/09	9:00 PM 8/23/09	<p><u>Extends</u> the current commercial salmon fishing period for 96 hours from 9:00 PM Sunday, August 23 until 9:00 PM Thursday, August 27 in the Shumagin Islands Section of the Southeastern District, and the South Central District.</p> <p><u>Extends</u> the current commercial salmon fishing period for 12 hours from 9:00 PM Sunday, August 23 until 9:00 AM Monday, August 24 in the Beaver Bay, Balboa Bay, Southwest Stepovak, East Stepovak, and Northwest Stepovak sections of the Southeastern District.</p>
CB-30	8:30 AM 8/25/09	9:00 PM 8/25/09	<p><u>Extends</u> the current commercial salmon fishing period for 48 hours from 9:00 PM Tuesday, August 25 until 9:00 PM Thursday, August 27 in the Unimak District and Southwestern District.</p> <p><u>Establishes</u> closed waters for the Thin Point Section.</p> <p><u>Reduces</u> closed waters around Deer Island to the mouth of the streams.</p>
SP-50	2:30 PM 8/25/09	8:00 AM 8/26/09	<p><u>Allows</u> a 61-hour commercial salmon fishing period from 8:00 AM Wednesday, August 26 until 9:00 PM Friday, August 28 in the Beaver Bay, Balboa Bay, Southwest Stepovak, East Stepovak, and Northwest Stepovak sections of the Southeastern District.</p>

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E.O. #	Issued	Effective	Action Taken
CB-31	1:00 PM 8/27/09	9:00 PM 8/27/09	<u>Extends</u> the current commercial salmon fishing period for 24 hours from 9:00 PM Thursday, August 27 until 9:00 PM Friday, August 28 in the Southwestern District. <u>Establishes</u> closed waters for the Thin Point Section. <u>Reduces</u> closed waters around Deer Island to the mouth of the streams.
CB-32	11:30 AM 8/28/09	9:00 PM 8/28/09	<u>Extends</u> the current commercial salmon fishing period for 72 hours from 9:00 PM Friday, August 28 until 9:00 PM Monday, August 31 in the Southwestern District. <u>Establishes</u> closed waters of the Thin Point Section. <u>Reduces</u> closed waters around Deer Island to the mouth of the streams.
SP-51	11:00 AM 8/30/09	9:00 AM 09/1/09	<u>Allows</u> a 59-hour commercial salmon fishing period from 9:00 AM Tuesday, September 1 until 8:00 PM Thursday, September 3 in the South Central District and Southeastern District.
CB-33	11:30 AM 8/30/09	9:00 AM 09/1/09	<u>Allows</u> a 59-hour commercial salmon fishing period from 9:00 AM Tuesday, September 1 until 8:00 PM Thursday, September 3 in the Unimak District and Southwestern District.
CB-34	4:30 PM 8/31/09	9:00 AM 9/1/09	<u>Allows</u> a commercial salmon fishing period from 9:00 AM Tuesday, September 1 until further notice in the Northwestern District. <u>Reduces</u> waters closed to commercial salmon fishing to Christianson’s lagoon Exit channel terminus at the the ocean shoreline.
CB-35	10:00 AM 9/3/09	8:00 PM 9/3/09	<u>Extends</u> the current commercial salmon fishing period for 72 hours from 8:00 PM Thursday, September 3 until 8:00 PM Sunday, September 6 in the Unimak District and Southwestern District. <u>Establishes</u> closed waters of the Thin Point Section.
SP-52	11:00 AM 9/5/09	9:00 AM 9/7/09	<u>Allows</u> a 59-hour commercial salmon fishing period from 9:00 AM Monday, September 7 until 8:00 PM Wednesday, September 9 in the South Central District and Southeastern District.

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E.O. #	Issued	Effective	Action Taken
CB-36	2:30 PM 9/6/09	8:00 PM 9/6/09	<u>Extends</u> the current commercial salmon fishing period for 72 hours from 8:00 PM Sunday, September 6 until 8:00 PM Wednesday, September 9 in the Unimak District and Southwestern District. <u>Establishes</u> closed waters of the Thin Point Section.
CB-37	11:30 AM 9/9/09	8:00 PM 9/9/09	<u>Extends</u> the current commercial salmon fishing period for 72 hours from 8:00 PM Wednesday, September 9 until 8:00 PM Saturday, September 12 in the Unimak District and Southwestern District. <u>Establishes</u> closed waters of the Thin Point Section.
SP-53	2:00 PM 9/11/09	9:00 AM 9/14/09	<u>Allows</u> a 59-hour commercial salmon fishing period from 9:00 AM Monday, September 14 until 8:00 PM Wednesday, September 16 in the Southeastern District.
CB-38	9:30 AM 9/12/09	8:00 PM 9/12/09	<u>Extends</u> the current commercial salmon fishing period for 72 hours from 8:00 PM Saturday, September 12 until 8:00 PM Tuesday, September 15 in the Unimak District and Southwestern District. <u>Establishes</u> closed waters of the Thin Point Section.
CB-39	10:00 AM 9/15/09	8:00 PM 9/15/09	<u>Extends</u> the current commercial salmon fishing period for 72 hours from 8:00 PM Tuesday, September 15 until 8:00 PM Friday, September 18 in the Unimak District and Southwestern District. <u>Establishes</u> closed waters of the Thin Point Section.
SP-54	11:00 AM 9/18/09	9:00 AM 9/21/09	<u>Allows</u> a 59-hour commercial salmon fishing period from 9:00 AM Monday, September 21 until 8:00 PM Wednesday, September 23 in the Southeastern District.
CB-40	11:30 AM 9/18/09	8:00 PM 9/18/09	<u>Extends</u> the current commercial salmon fishing period for 72 hours from 8:00 PM Friday, September 18 until 8:00 PM Monday, September 21 in the Unimak District and Southwestern District. <u>Establishes</u> closed waters of the Thin Point Section.
CB-41	7:00 AM 9/21/09	8:00 PM 9/21/09	<u>Extends</u> the current commercial salmon fishing period for 72 hours from 8:00 PM Monday, September 21 until 8:00 PM Thursday, September 24 in the Unimak District and Southwestern District. <u>Establishes</u> closed waters of the Thin Point Section.

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E.O. #	Issued	Effective	Action Taken
CB-42	5:00 PM 9/24/09	8:00 PM 9/24/09	<u>Extends</u> the current commercial salmon fishing period for 72 hours from 8:00 PM Thursday, September 24 until 8:00 PM Sunday, September 27 in the Unimak District and Southwestern District. <u>Establishes</u> closed waters of the Thin Point Section.
CB-43	1:30 PM 9/27/09	8:00 PM 9/27/09	<u>Extends</u> the current commercial salmon fishing period for 72 hours from 8:00 PM Sunday, September 27 until 8:00 PM Wednesday, September 30 in the Unimak District and Southwestern District. <u>Establishes</u> closed waters of the Thin Point Section.
SP-55	2:30 PM 9/27/09	9:00 AM 9/28/09	<u>Allows</u> a 59-hour commercial salmon fishing period from 9:00 AM Monday, September 28 until 8:00 PM Wednesday, September 30 in the Southeastern District.

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

Appendix B1.—South Unimak and Shumagin Islands June commercial sockeye and chum salmon harvest by year, 1911-2009.

Year	Sockeye ^a			Chum ^{a,b}		Total
	South Unimak	Shumagin Islands	Total	South Unimak	Shumagin Islands	
1911	58,000	3,000	61,000			
1912	144,000	31,000	175,000			
1913	415,000	0	415,000			
1914	610,000	0	610,000			
1915	251,000	0	251,000			
1916	539,000	0	539,000			
1917	1,322,000	34,000	1,356,000			
1918	733,000	44,000	777,000			
1919	545,000	32,000	577,000			
1920	954,000	60,000	1,014,000			
1921	831,000	0	831,000			
1922	2,775,000	550,000	3,325,000			
1923	1,340,000	343,000	1,683,000			
1924	971,000	237,000	1,208,000			
1925	357,000	374,000	731,000			
1926	1,898,000	491,000	2,389,000			
1927	455,000	185,000	640,000			
1928-1933 ^c						
1934	516,000	1,019,000	1,535,000			
1935	210,000	549,000	759,000			
1936	1,531,000	1,490,000	3,021,000			
1937	803,000	498,000	1,301,000			
1938	164,000	454,000	618,000			
1939	474,000	707,000	1,181,000			
1940	479,000	713,000	1,192,000			
1941	206,000	294,000	496,000			
1942	152,000	412,000	546,000			
1943	428,000	1,356,000	1,784,000			
1944	188,000	264,000	452,000			
1945	218,000	375,000	593,000			
1946	342,000	257,000	599,000			
1947	782,000	229,000	1,011,000			
1948	276,000	126,000	402,000			
1949	84,000	167,000	251,000			
1950	292,000	134,000	426,000			
1951	82,000	35,000	117,000			
1952	191,000	121,000	312,000			
1953	191,000	105,000	296,000			
1954	325,000	49,000	374,000			
1955	315,000	52,000	367,000			
1956	290,000	47,000	337,000			
1957	50,000	44,000	94,000			
1958	104,000	28,000	132,000			
1959	58,000	78,000	136,000			

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Year	Sockeye ^a			Chum ^a		
	South Unimak	Shumagin Islands	Total	South Unimak	Shumagin Islands	Total
1960	137,000	19,000	156,000	84,000	11,000	95,000
1961	199,000	55,000	254,000	157,000	36,000	193,000
1962	272,000	54,000	326,000	209,000	61,000	270,000
1963	116,000	33,000	149,000	36,000	36,000	72,000
1964	159,000	85,000	244,000	161,000	67,000	228,000
1965	568,000	207,000	775,000	121,000	45,000	166,000
1966	528,000	54,000	582,000	215,000	17,000	232,000
1967	186,000	69,000	255,000	73,000	51,000	124,000
1968	342,000	233,000	575,000	115,000	51,000	166,000
1969	781,000	76,000	857,000	254,000	13,000	267,000
1970	1,510,373	139,735	1,650,108	391,568	44,909	436,477
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 ^d						
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

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Year	Sockeye ^a			Chum ^a		
	South Unimak	Shumagin Islands	Total	South Unimak	Shumagin Islands	Total
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
1990-2009 Average	928,298	442,458	1,370,756	239,616	165,711	405,327
2000-2009 Average	556,351	463,870	1,020,221	153,637	202,780	356,417
2007-2009 Average	799,144	691,300	1,490,444	212,855	255,560	468,415

^a Does not include test fish harvests.

^b Chum salmon harvest data from 1911-1959 are unavailable.

^c Harvest data from 1928-1933 are unavailable.

^d The South Unimak and Shumagin Islands fisheries were closed in 1974 due to an anticipated weak Bristol Bay run.

Prior to 1973, fishing time was liberal and was not based on the strength of the forecasted Bristol Bay sockeye salmon run (Shaul 2000). During the late 1960s and early 1970s, controversy arose between Alaska Peninsula-Aleutians Islands and Bristol Bay fishermen concerning the South Unimak and Shumagin Islands June fisheries.

Beginning in 1975, the board established guideline harvest levels (GHLs) based on average historic catches. The GHL for the Shumagin Islands was 1.5% of the latest inshore Bristol Bay projected sockeye salmon harvest, while the South Unimak fishery was allocated 6.8% of the Bristol Bay inshore projected sockeye salmon harvest. The total GHLs for each fishery were further broken down into four time period GHLs, to distribute the catches throughout the month of June (Shaul 2000).

Although chum salmon have always been caught during the June fisheries, the unusually large chum salmon catches in 1982 and 1983 caused concern by fishermen in the Arctic-Yukon-Kuskokwim (AYK) Region (Appendices B4-B6). Beginning with the 1984 season, the board placed a limit on fishing time, not to exceed 96 hours per week and not more than 72 consecutive hours in order to allow "escapement windows". The purpose of the "windows" was to limit the chum salmon harvest. Due to the high sockeye salmon catch rate (and low chum to sockeye catch ratios) during 1984 and 1985, these restrictions were not implemented because the GHLs were easily met (Shaul 2000).

In 1986, the board placed a 400,000 chum salmon catch ceiling on both fisheries combined, eliminated fishing during the first 10 days of June, and eliminated fishing during the last GHL time period, June 26-30 (along with the sockeye salmon allocation for that period). These restrictions applied to the 1986 season only. Additional restrictions during 1986 were the primary reasons for less than half of the combined South Unimak-Shumagin Islands sockeye salmon allocation being harvested in that year (Poetter 2007).

The regulations for the 1987 season were the same as those used in 1985. However, during 1988 and 1989 the board placed an annual 500,000 chum salmon catch ceiling on both fisheries combined.

In 1988, the abundance of chum salmon was about equal to sockeye salmon at South Unimak. This resulted in less than 40% of the South Unimak sockeye allocation being harvested before the chum salmon ceiling was reached. Sockeye salmon abundance seemed higher in the Shumagin Islands and that fishery was able to harvest its allocation (Poetter 2007).

In 1989, sockeye salmon abundance was very high and sockeye salmon allocations were exceeded with relatively little fishing time (Appendix B7). The Shumagin Islands sockeye salmon catch was 396,958 with an allocation of 264,000, while 1,347,547 sockeye salmon were harvested at South Unimak with an allocation of 1,199,000 fish (Poetter 2007; Appendix B1). A total of only 72 hours fishing time was allowed in the Shumagin Islands during four days (Appendix B7). At South Unimak, 84 hours of fishing time was allowed with openings occurring during five separate days. The 1989 chum salmon catch was 47,528 in the Shumagin Islands and 407,635 at South Unimak for a total of 455,163 fish (Appendix B1).

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The ratio of sockeye to chum salmon was low during the early part of the fishery and became unusually high towards the end (Shaul et al. 1990).

After the 1989 season, the board made the following changes in regards to the South Unimak and Shumagin Islands June fisheries:

- (1) The starting date of the fishery was delayed until June 13 because the sockeye salmon to chum salmon ratio is normally lower during early June.
- (2) The chum salmon ceiling for both fisheries combined was raised from 500,000 to 600,000.
- (3) The "window regulations" were eliminated as there did not seem to be a need for both a chum salmon ceiling and windows.
- (4) The sockeye salmon allocation periods and allocations were changed. The percent of the total allocation by period were the same for each fishery.

<u>Period</u>	<u>Allocation</u>
June 13-18	35%
June 19-25	45%
<u>June 26-30</u>	<u>20%</u>
<u>Total</u>	<u>100%</u>

If catches in either fishery fell below the guidelines in the June 13-18 period, those unharvested sockeye salmon, up to a maximum of 5% of the total allocation for that fishery, could be harvested during the June 19-25 period. The June 26-30 period could not be used to make up for under-harvest during the first two periods. A 1987 salmon tagging study showed that sockeye salmon stock composition between the first two periods was very similar; however, the June 26-30 stock composition at South Unimak-Shumagin Islands could be dominated by fewer and later stocks (Eggers et al. 1991).

- (5) Unlimited seine leads were eliminated at South Unimak and leads of no more than 150 fathoms were determined to be the only legal lengths for the entire Alaska Peninsula.
- (6) For the first time, maximum depth restrictions were placed on seine and gillnet gear. For the entire Alaska Peninsula Area seine gear could not exceed 375 meshes in depth. Seine mesh size could not exceed 3-1/2 inches except the first 25 meshes above the lead line could not be more than 7 inches (5 AAC 09.332)(a). No gillnet gear used along the South Peninsula could exceed 90 meshes in depth (5 AAC 09.331)(b)(1)(C).

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- (7) The area comprising the South Unimak fishery was expanded to include the following portions of Southwestern District located outside the Ikatan Bay Section:
 - (a) all waters north and west of a line from Cape Pankof Light to Thin Point.
 - (b) all waters enclosed by a line from Thin Point to Stag Point on Deer Island to Dolgoi Cape and from Bluff Point on Dolgoi Island to Arch Point.

In 1990, sockeye salmon were not available in large numbers in the Shumagin Islands or at South Unimak despite the fact that Bristol Bay experienced one of its largest runs on record (Shaul et al. 1991). If the Bristol Bay run had been forecasted correctly the sockeye salmon GHL for the Shumagin Islands and South Unimak would have been 497,000 and 2,255,000 respectively (Shaul et al. 1991). Windy weather plagued fishing operations but fish abundance also seemed low, especially in view of the huge run that arrived in Bristol Bay.

Harvesting the total sockeye salmon allocations in the South Unimak and Shumagin Islands June fisheries with a chum salmon cap in place was often difficult and sometimes impossible, especially when sockeye salmon allocations were large. At the fall 1991 board meeting, the chum salmon cap was changed to 40% of the combined South Unimak and Shumagin Islands sockeye salmon allocation, not to exceed 900,000 fish (Shaul 2000). This change generated much controversy from fishermen in the AYK Region because the chum salmon cap was likely to be 900,000 fish in 1992-1994, based on initial long range Bristol Bay sockeye salmon projections. The board addressed the chum salmon cap issue again at their spring 1992 meeting and changed the cap to 700,000 chum salmon, regardless of the sockeye salmon allocation. The board also stipulated that unless the chum salmon cap was in danger of being exceeded, set gillnet fishing periods would not be less than 16 hours even if it was necessary to restrict seine and drift gillnet gear periods to less than 16 hours due to chum salmon conservation (Appendix B22). This was due to set gillnet gear selectivity favoring sockeye salmon. Regardless of gear selectivity, the board directed the department to manage the fishery so that the cap would not be exceeded.

In 1992, the respective sockeye salmon allocations were 1,959,000 and 432,000 fish for the South Unimak and Shumagin Islands fisheries (Poetter 2007). The fishery was delayed until June 15 because of the high number of chum salmon caught in the Shumagin Islands test fishery. From June 15 until the end of the fishery on June 26, sockeye to chum salmon ratios were very high (Poetter 2007). A total of 2,046,022 sockeye salmon were harvested at South Unimak while the Shumagin Islands harvest was 411,834 fish (Appendix B1). The chum salmon harvest from both fisheries combined was 426,203 fish.

In 1993, South Unimak and Shumagin Islands sockeye salmon allocations were 2,375,000 and 524,000 fish, respectively (Poetter 2007). Test fishing in the Shumagin Islands during June 7-11 indicated sockeye to chum salmon ratios greater than 2.0. Consequently, fishing began on June 13, the earliest date allowed by the *South Unimak and Shumagin Islands June Management Plan*.

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In 1993, AYK chum salmon stocks were at low levels resulting in very little commercial fishing targeting chum salmon (Francisco et al. 1994). Subsistence fishing for AYK chum salmon was not allowed in some locations. Consequently, during 1993 and 1994, the board conducted two out of cycle meetings devoted to the South Unimak-Shumagin Islands June fishery. The first meeting was non-regulatory but resulted in the second meeting in which regulatory changes were made.

During its spring 1994 meeting, the board allowed the department to open the South Unimak-Shumagin Islands fisheries prior to June 13 if sockeye to chum salmon ratios were greater than 2.0, and eliminated the time period allocations. Elimination of time period allocations would have resulted in a substantially lower harvest of chum salmon in 1993 (McCullough and Pengilly 1994).

The 1994 sockeye salmon allocations were a record high, totaling 2,938,000 fish at South Unimak and 648,000 fish in the Shumagin Islands (Poetter 2007). Test fishing in the Shumagin Islands indicated that sockeye to chum salmon ratios were low and no fishing was allowed in the Shumagin Islands until June 18. Test fishing indicated that sockeye to chum salmon ratios at South Unimak on June 15 and 16 were higher than those in the Shumagin Islands and fishing started on June 17.

The 1994 fishery was characterized by low catch rates of sockeye and chum salmon but record June pink salmon catches (Appendix B4). Sockeye to chum ratios were slightly better than two to one during most of the fishery and were lower at the end of June (Poetter 2007). Total sockeye salmon harvest was very disappointing to industry in the Alaska Peninsula Area. At South Unimak, 1,001,250 sockeye salmon (34% of allocation) were harvested. In the Shumagin Islands 460,013 sockeye salmon (71% of allocation) were harvested. The combined chum salmon catch was 582,165 fish (Appendix B1).

The 1994 Bristol Bay sockeye salmon run was below forecast but still a very strong run and produced an inshore harvest of over 35 million fish. However, sockeye salmon were not available in large numbers in the South Unimak and Shumagin Islands fisheries. Fishermen reported a drastic change in currents and colder inshore water temperatures, which they believe may have affected the migratory pattern of sockeye salmon.

Large numbers of chum salmon were reported to be in the South Unimak fishery throughout June but fishermen avoided areas with high chum salmon concentrations. These tactics apparently not only decreased the chum salmon catch but reduced the fleets' ability to harvest sockeye salmon because the two species were reported to be traveling together in large numbers at some locations.

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Following the 1994 season, the board implemented the following changes to the management plan.

1. June fishery cannot begin prior to June 11.
2. After June 24, in either the South Unimak or Shumagin Islands fisheries, if the sockeye salmon guideline harvest level and the maximum allowable harvest of chum salmon have not been attained, and if the ratio of sockeye to chum salmon is two to one or less on any day, the next daily fishing period for seine and drift gillnet gear shall be of six hour duration in that fishery. After June 24, the South Unimak or Shumagin Islands fishery shall close for all gear types if the ratio of sockeye to chum salmon is two to one or less for any three aggregate days.
3. The board stated its intent that keeping the chum salmon harvest below the cap supersedes any attempt to reach the sockeye salmon GHGs.
4. The board eliminated minimum mesh size requirements for gillnets during the June fisheries.

In 1995, the sockeye salmon GHG was 2,987,000 fish allocated to South Unimak and 659,000 fish to Shumagin Islands for a total of 3,646,000 fish (Poetter 2007). Test fishing in the Shumagin Islands and at South Unimak indicated that sockeye to chum salmon ratios were slightly higher than in 1994. Consequently both fisheries opened on June 13. However, the sockeye salmon harvest rates were again low. Virtually continuous fishing was allowed in both fisheries, through June 30 at South Unimak, and through June 29 in the Shumagin Islands where the sockeye salmon allocation was achieved. The 1995 South Unimak harvest was 1,451,490 sockeye salmon and 342,307 chum salmon; the fishery was about 1,536,000 fish under the sockeye salmon GHG (Appendix B1). Shumagin Islands catch totaled 653,831 sockeye and 195,126 chum salmon and was only 5,000 fish under the sockeye salmon GHG. The combined harvest of both fisheries was 2,105,321 sockeye and 537,433 chum salmon which was 1,541,000 sockeye salmon less than the GHG (Poetter 2007) and about 163,000 chum salmon less than the 700,000 cap. The combined sockeye salmon GHG was not achieved because sockeye salmon were not available in large numbers at South Unimak. The actual Bristol Bay sockeye salmon harvest was slightly larger than the forecast.

The 1996 South Unimak sockeye salmon GHG was 2,564,000 fish while that of the Shumagin Islands was 566,000 fish (Poetter 2007). Based on test fishing results, the South Unimak fishery did not begin until June 15 and the Shumagin Islands did not open until June 18. The purpose of test fishing was to determine the sockeye to chum salmon ratio as an indication of when the sockeye salmon harvest could be maximized without reaching the chum salmon cap. Salmon harvest rates were extremely low in both South Unimak and Shumagin Islands fisheries and almost continuous fishing was allowed. At South Unimak, despite continuous fishing from June 18 through June 30, only 572,495 sockeye salmon (23.3% of the allocation) were harvested (Appendix B1). In the Shumagin Islands 456,475 sockeye salmon were caught, bringing the combined South Unimak-Shumagin Islands sockeye salmon harvest to 1,028,970 (33% of the allocation). A total of 359,820 chum salmon were harvested (129,889 at South Unimak and 229,931 in the Shumagin Islands), about 340,000 fish below the 700,000 cap (Appendix B1).

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In 1997, the South Unimak fishery opened on June 13. Because of a price dispute, fishing effort ranged from 58 to 97 drift gillnet permit holders from June 13 through 17 (Poetter 2007). The dispute was settled on June 18, and continuous fishing was allowed through June 30. The sockeye salmon harvest was 1,179,179 fish, 36% below the 1,840,000 GHl (Poetter 2007). The 1997 Shumagin Islands fishery opened on June 19 and fishing was allowed daily until June 26 when the sockeye salmon GHl of 406,000 was exceeded (Poetter 2007). Shumagin Islands harvest was 449,002 sockeye salmon. A total of 322,325 chum salmon were harvested (196,016 at South Unimak and 126,309 in the Shumagin Islands), 377,675 fish below the 700,000 cap (Appendix B1).

After the 1997 season, the board lowered the chum salmon cap from 700,000 fish to a “floating cap” that could range from 350,000 to 650,000 depending on the projected strength of harvests of summer chum salmon in AYK Area in relation to the 1970-1997 average. If the projected AYK chum salmon harvest was less than 33% of the average catches, the South Peninsula cap would be 350,000 to 450,000 fish. If the projected AYK summer run chum salmon harvest was between 33% and 67% of the 1970-1997 average, the South Peninsula cap would be between 450,001 and 550,000 chum salmon. If the AYK summer chum salmon harvest exceeded 67% of the 1970-1997 average, the South Peninsula chum salmon cap would be 550,001 to 650,000 fish. If the department identified a summer chum salmon stock of concern, the upper end of the cap would be reduced by 50,000 fish. The earliest opening date was changed from June 11 to June 10. In the Unimak District, the shoreward end of a set gillnet had to be within one half mile of shore. All salmon caught had to be retained and reported. The use of aircraft to locate salmon was prohibited for the entire Alaska Peninsula Area for the entire season.

In 1998, the South Unimak and Shumagin Islands fisheries both opened to commercial salmon fishing on June 13. However, the entire seine fleet and approximately 80% of the set gillnet fleet did not fish because of a dispute over salmon prices. The drift gillnet fleet at South Unimak started fishing on June 13. As the fishery progressed more set gillnet permit holders participated and on June 17 the purse seine fleet and the balance of the set gillnet fleet went fishing. The 1998 sockeye salmon harvest rates were low in both South Unimak and Shumagin Islands fisheries. Despite continuous fishing from June 13 through June 30, only 974,628 sockeye (63.7% of the allocation) and 195,454 chum salmon were harvested at South Unimak. A total of 314,097 sockeye salmon (93.5% of the allocation) and 50,165 chum salmon were harvested in Shumagin Islands (Appendix B1).

In 1999, the South Unimak fishery was opened for 16 hours on June 11, reopened on June 13 and was repeatedly extended until June 21 when the sockeye salmon GHl was reached. The Shumagin Islands fishery opened on June 13 and was repeatedly extended until June 18 when the GHl was reached (Shaul 2000). The 1999 sockeye salmon daily harvest rates were higher than in the past three years in both South Unimak and Shumagin Islands fisheries. After nearly continuous fishing from June 11 through June 21, 1,106,208 sockeye (8.0% over the allocation) and 186,886 chum salmon were harvested at South Unimak (Appendix B1). A total of 269,191 sockeye (19.1% over the allocation) and 58,420 chum salmon were harvested in the 1999 Shumagin Islands fishery.

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Based on the Bristol Bay forecast, the respective 2000 June GHGs were 1,650,000 and 363,000 sockeye salmon for South Unimak and Shumagin Islands fisheries (Poetter 2007). Test fishing results in the Shumagin Islands indicated that a fishing period could be allowed on June 11. However, no commercial fishing occurred during June 11 and 12 because of a price dispute between fishermen and processors and test fishing continued (Shaul 2000). The South Unimak test fish sockeye to chum salmon ratio was less than the two to one needed to justify a fishery on June 11. After the announced Shumagin Islands opening for June 11, all three of the South Unimak test fish boats quit test fishing and departed for the Shumagin Islands commercial fishery. A price settlement was reached on June 13 and commercial fishing began. During June 13, sockeye to chum salmon ratios were high and both fisheries were repeatedly extended. The South Unimak fishery remained open through June 30. Shumagin Islands closed on June 18 when it was estimated that the sockeye salmon GHG would be reached. The 2000 South Unimak harvest was 892,016 sockeye salmon (54.1% of the GHG) and 168,888 chum salmon (Appendix B1). The Shumagin Islands harvest was 359,212 sockeye salmon (99.0% of the allocation) and 70,469 chum salmon. The combined South Unimak-Shumagin Islands chum salmon harvest in 2000 was 239,357 fish, well below the chum salmon GHG of 350,000 to 400,000 (Shaul 2000).

The fishing power of the fleet participating in the South Unimak and Shumagin Islands June fishery, appeared to be substantially lower for all species during recent years (2001-2009) than it was during the 1980s due to the following factors:

1. The gear depth restrictions implemented in 1990.
2. Because Cape Lutke is no longer as productive an area for the purse seine and drift gillnet fleets and the prices paid for salmon were low. The purse seine fleet is substantially smaller than the 1982-1996 fleet (Appendix B23).
3. Because of low salmon prices, the drift gillnet fleet decreased from 157 permit holders in 1991 to about 85 permit holders participating in 2006 (Appendix B23).
4. Salmon may have changed their migration routes and/or timing because of oceanographic or climatic factors, and may not be as abundant in areas where the June fisheries occur.

From 1990 through 2003, drift gillnet permit holders generally had higher sockeye to chum salmon ratios than seine permit holders in South Unimak. Prior to 1990, the seine fleet had higher ratios than the drift gillnet fleet (Appendix B22).

There have been substantial shifts in the percentage of catches taken by various gear types over the years (Appendix B17). The amount of set gillnet gear and percentages of the harvests taken by set gillnets have increased since the 1970s in both fisheries. Drift gillnet gear dominated the South Unimak catches during the 1970s. Purse seiners dominated the South Unimak harvests during most years between 1979 and 1994. Since 1995, drift gillnetters have again dominated the South Unimak fishery.

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At its 2001 board meeting, major changes were made to the *South Unimak and Shumagin Islands June Salmon Management Plan* (5 AAC 09.365). These changes included the following:

1. Elimination of the sockeye salmon guideline harvest levels;
2. Elimination of the chum salmon guideline harvest levels;
3. Limiting fishing time to no more than 16 hours per day by any gear group;
4. Limiting total fishing time by seine and drift gillnet gear to no more than 48 hours in a floating seven-day period with no more than two 16-hour periods on consecutive days in any seven-day period;
5. From June 10 through June 24 in the South Unimak and/or Shumagin Islands fisheries, set gillnet gear may fish on consecutive days for 16-hour periods as long as the set gillnet sockeye to chum salmon ratios in that fishery are equal to or greater than the recent 10-year average for that fishery. If the set gillnet sockeye to chum salmon ratio falls below the recent 10-year average in either fishery, that fishery will be closed for one period. From June 10 through June 24, daily fishing periods for set gillnet gear will be from 6:00 AM until 10:00 PM;
6. Purse seine and drift gillnet fishing periods through June 24 will occur at the same time in the South Unimak and Shumagin Islands fisheries; and
7. After June 24, in either the South Unimak or Shumagin Islands fishery, if the ratio of sockeye to chum salmon by all gear combined is less than 2.0 on any day, the next fishing period shall be of six hours duration for all gear in that fishery. If the sockeye to chum salmon ratio is 2.0 or greater, a six hour fishing period can be extended to a maximum of 16 hours. The South Unimak or Shumagin Islands fishery shall close for all gear groups if the ratio of sockeye to chum salmon is less than 2.0 for two consecutive fishing periods.

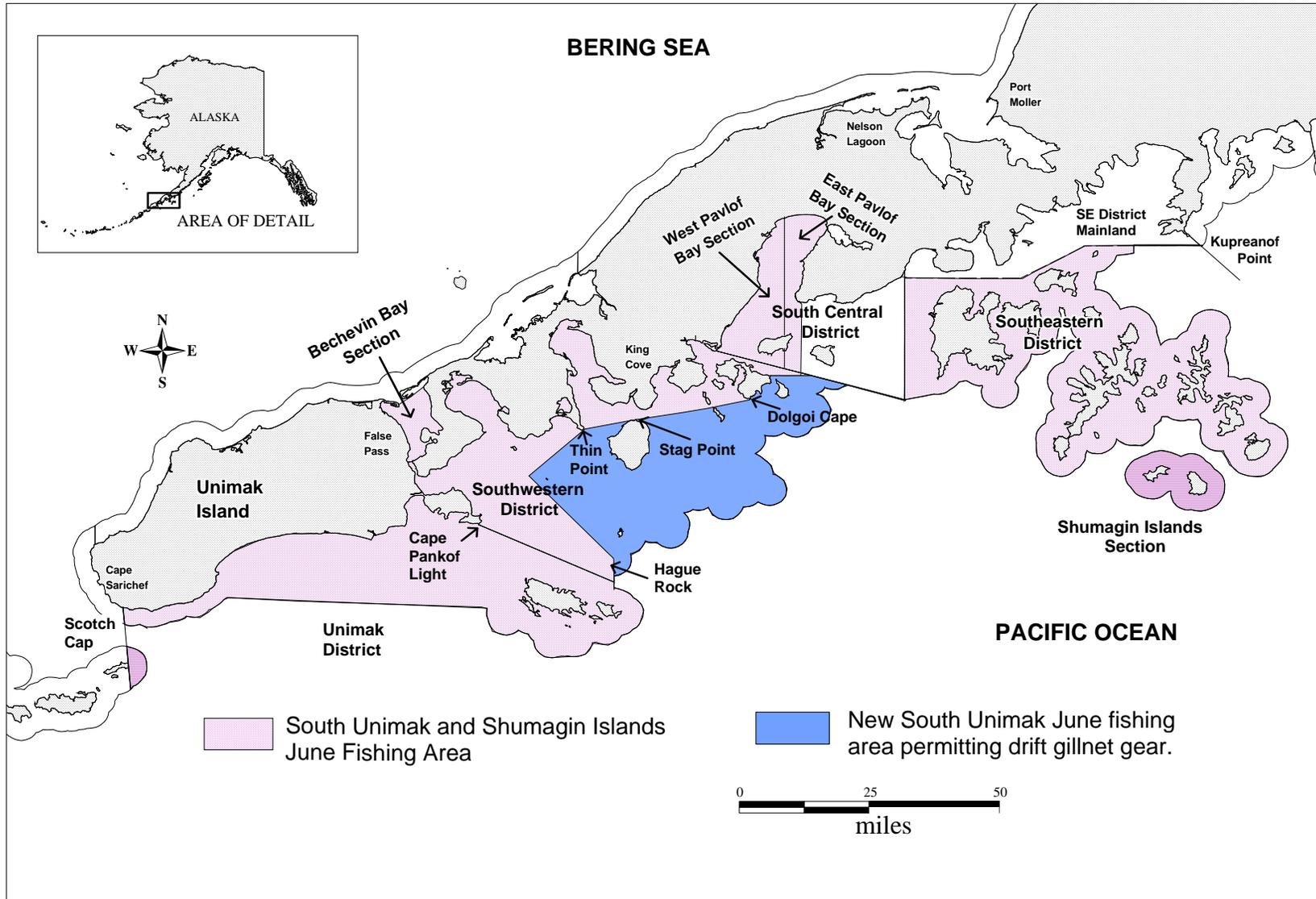
During its 2004 board meeting, the board agreed that actions restricting the June fishery taken during the 2001 board cycle were unnecessary and caused undue hardship on the fishermen of the Area M. Changes to the *South Unimak and Shumagin Islands June Salmon Management Plan* (5 AAC 09.365) were adopted. These changes included the following:

1. Fishery to begin at 6:00 AM on June 7;
2. Fishing periods are 88-hours in length separated by 32-hour closures. The fishery closes at 10:00 PM. on June 29. The last fishing period is 64-hours in duration;
3. Concurrent fishing time for all gear types;
4. Area open to fishing expanded to include the entire Unimak and Southwestern districts, East and West Pavlof Bay, Bechevin Bay and Shumagin Islands sections; and;
5. Eliminated all sockeye to chum salmon harvest ratio requirements.

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In February 2007, the board made modifications to the *June Fishery Management Plan* including:

1. Changing the description of the Sanak Island Section;
 2. Expanding the use of drift gillnets to the following portion of the Southwestern District; south and east of a line from Cape Pankof Light (54° 39.60' N. lat., 163° 03.70' W. long.) to Thin Point (54° 57.32' N. lat., 162° 33.50' W. long.); south of a line from Thin Point (54° 57.32' N. lat., 162° 33.50' W. long.) to the northernmost tip of Stag Point (54° 59.10' N. lat., 162° 18.10' W. long.) on Deer Island to the southernmost tip of Dolgoi Cape (55° 03.15' N. lat., 161° 44.35' W. long.) on Dolgoi Island and south of the latitude of the northeastern tip of Dolgoi Island (55° 07.50' N. lat., 161° 38.30' W. long.) (Appendix B3);
 3. Allowing the use of salmon net pens; and
 4. Allowing two Commercial Fisheries Entry Commission (CFEC) set gillnet permit holders aboard a registered set gillnet fishing vessel, to tow a second registered CFEC set gillnet vessel that has a second aggregate of set gillnet gear onboard.
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Appendix B3.—Map of South Unimak and Shumagin Islands June fisheries with areas open to fishing defined.

Appendix B4.—South Unimak and Shumagin Islands June fisheries commercial salmon harvest by species and year, 1970-2009.

Year	Permits	Landings	Number of Salmon ^a					Total
			Chinook	Sockeye	Coho	Pink	Chum	
1970	202	2,923	1,016	1,650,108	48	103,053	436,477	2,190,702
1971	166	1,986	828	462,101	1	19,240	509,197	991,367
1972	184	2,098	642	501,197	20	17,924	518,810	1,038,593
1973	141	1,042	247	245,088	28	19,430	200,630	465,423
1974 ^b	0	0	0	0	0	0	0	0
1975	108	510	117	240,099	1	5,247	100,822	346,286
1976	145	1,385	2,132	303,584	3	23,824	410,270	739,813
1977	130	817	521	240,719	0	5,398	115,996	362,634
1978	159	1,569	534	486,811	3	89,942	121,892	699,182
1979	196	1,695	1,050	851,351	290	154,813	104,103	1,111,607
1980	225	2,044	3,193	3,206,275	853	1,526,306	508,865	5,245,492
1981	243	2,400	5,672	1,820,965	320	451,250	563,947	2,842,154
1982	251	2,612	7,131	2,118,701	1,241	1,718,825	1,095,044	4,940,942
1983	281	1,721	13,456	1,961,569	4	55,875	785,631	2,816,535
1984	280	1,117	3,854	1,388,203	14	919,876	337,120	2,649,067
1985	305	2,120	5,777	1,791,400	2,468	106,615	433,829	2,340,089
1986	298	1,486	1,895	471,397	2	291,989	351,769	1,117,052
1987	290	2,019	5,163	792,964	380	16,982	443,019	1,258,508
1988	301	1,777	4,064	756,687	255	180,224	526,711	1,467,941
1989	305	1,350	2,758	1,744,505	0	199,235	455,163	2,401,661
1990	320	2,718	10,332	1,344,529	1	515,047	518,545	2,388,454
1991	334	2,025	4,473	1,548,930	12	619,137	772,705	2,945,257
1992	321	1,925	3,760	2,457,856	4	642,090	426,203	3,529,913
1993	327	2,262	9,466	2,973,744	1,233	81,136	532,247	3,597,826
1994	324	2,751	7,590	1,461,263	1,579	2,492,514	582,165	4,545,111
1995	332	3,635	14,747	2,105,321	6,042	178,635	537,433	2,842,178
1996	313	2,676	2,845	1,028,970	13,219	377,684	359,820	1,782,538
1997	292	3,174	5,811	1,628,181	560	605,937	322,325	2,562,814
1998	283	3,657	2,696	1,288,725	476	474,340	245,619	2,011,856
1999	277	2,114	3,051	1,375,399	2	30,539	245,306	1,654,297
2000	278	3,001	2,849	1,251,228	304	360,029	239,357	1,853,767
2001	128	270	345	150,632	2	39,251	48,350	238,580
2002	181	1,301	2,443	591,106	4	76,251	378,817	1,048,621
2003	177	1,170	1,323	453,147	153	217,900	282,438	954,961
2004	190	2,260	4,423	1,348,073	621	359,916	482,309	2,195,342
2005	190	2,344	3,055	1,004,395	1,919	1,654,959	427,830	3,092,158
2006	188	2,412	4,497	932,291	2,629	1,332,319	299,827	2,571,563
2007	185	2,650	4,636	1,589,840	1,633	267,528	297,539	2,161,176
2008	196	2,591	2,957	1,713,575	178	1,971,268	410,932	4,098,910
2009	216	2,852	3,836	1,167,918	203	2,248,555	696,775	4,117,287
1990-2009 Average	253	2,389	4,757	1,370,756	1,539	727,252	405,327	2,509,630
2000-2009 Average	193	2,085	3,036	1,020,221	765	852,798	356,417	2,233,237
2007-2009 Average	199	2,698	3,810	1,490,444	671	1,495,784	468,415	3,459,124

^a Does not include test fish harvests.

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

Appendix B5.—South Unimak June commercial salmon harvest by species and year, 1970-2009.

Year	Permits	Landings	Number of Salmon ^a					Total
			Chinook	Sockeye	Coho	Pink	Chum	
1970	176	2,624	868	1,510,373	46	83,325	391,568	1,986,180
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 ^b								
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 ^c	126	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 ^{cd}	126	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
1990-2009 Average	190	1,645	2,411	928,298	1,036	339,963	239,616	1,511,323
2000-2009 Average	137	1,310	962	556,351	128	283,912	153,637	994,990
2007-2009 Average	138	1,670	1,229	799,144	103	601,373	212,855	1,614,705

^a Does not include test fish harvests.

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

^c In 2004 and 2007 fishing area was increased in the South Unimak fishery.

^d Starting in 2007 drift gillnet area was increased to include the outside waters of the Southwestern District.

Appendix B6.–Shumagin Islands June commercial salmon harvest by species and year, 1970-2009.

Year	Permit	Landings	Number of Salmon ^a					Total
			Chinook	Sockeye	Coho	Pink	Chum	
1970	40	299	148	139,735	2	19,728	44,909	204,522
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 ^b								
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
1990-2009 Average								
	82	744	2,346	442,458	503	387,289	165,711	998,308
2000-2009 Average								
	65	775	2,074	463,870	637	568,885	202,780	1,238,246

^a Does not include test fish harvests.

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

Appendix B7.–South Unimak and Shumagin Islands June fisheries, number of fishing days and hours open to commercial fishing by year and gear, 1975-2009.

Year	South Unimak				Shumagin Islands			
	Set Gillnet		Drift and Seine		Set Gillnet		Seine	
	Days	Hours	Days	Hours	Days	Hours	Days	Hours
1975	10	240	10	240	9	207	9	207
1976 ^a	19	456	19	456	13	312	13	312
1977	17	408	17	408	11	264	11	264
1978	23	552	23	552	23	552	23	552
1979 ^b	33	786	33	786	27	642	27	642
1980	30	720	30	720	30	720	30	720
1981	24	576	24	576	22	528	22	528
1982	30	720	30	720	24	576	24	576
1983	11	264	11	264	10	228	10	228
1984	5	110	5	110	6	134	6	134
1985	9	144	9	144	9	140	9	140
1986	8	148	8	148	8	160	8	160
1987	12	224	12	224	6	92	6	92
1988	8	112	8	112	9	153	9	153
1989	5	84	5	84	4	72	4	72
1990	13	281	13	281	9	200	9	200
1991	8	161	8	161	5	88	5	88
1992	8	139	8	139	5	42.5	5	42.5
1993	10	176	10	176	7	131	7	131
1994	14	281	14	262	13	262	13	249
1995	18	378	18	370	17	347	17	341
1996	16	378	16	372	13	306	13	276
1997	18	418	18	418	14	281	14	235
1998	18	424	18	424	18	418	16	344
1999	11	234	10	217	6	127	6	127
2000	18	426	18	426	8	176	8	176
2001 ^c	17	272	14	224	17	272	14	224
2002	11	176	9	144	10	150	9	134
2003	12	192	9	144	10	150	9	134
2004	19	416	19	416	19	416	19	416
2005	19	416	19	416	19	416	19	416
2006	19	416	19	416	19	416	19	416
2007	19	416	19	416	19	416	19	416
2008	19	416	19	416	19	416	19	416
2009	19	416	19	416	19	416	19	416
Average 1990-2007	15	322	15	313	13	272	13	260
Average 2000-2009	17	356	16	343	16	324	15	316
Average 2007-2009	19	416	19	416	19	416	19	416

^a In 1976, the South Unimak fishery was extended through July 1 to compensate for fishing time lost at the end of June due to adverse weather conditions.

^b In 1979, the South Unimak fishery was extended through July 3 to compensate for fishing time lost at the end of June due to adverse weather conditions.

^c Due to lengthy price negotiations and changes in the management plan in 2001, there was no fishing effort during many of the open fishing periods. This makes comparisons of fishing time with other years, in this format, invalid. In the South Unimak fishery, purse seine gear was fished during 4 periods (64 hours), drift and set gillnet gear was fished during 5 periods (80 hours). In the Shumagin Islands fishery, purse seine gear was fished during 3 periods (48 hours) and set gillnet gear was fished during 1 period (16 hours).

Appendix B8.—South Unimak and Shumagin Islands commercial sockeye and chum salmon harvests by day, 2009.

Date	South Unimak			Shumagin Islands			Combined		
	Sockeye	Chum	S/C Ratio	Sockeye	Chum	S/C Ratio	Sockeye	Chum	S/C Ratio
7-Jun	4,206	931	4.5	3,704	2,559	1.4	7,910	3,490	2.3
8-Jun	7,279	2,481	2.9	9,143	8,224	1.1	16,422	10,705	1.5
9-Jun	13,943	5,434	2.6	12,633	6,309	2.0	26,576	11,743	2.3
10-Jun	22,358	6,559	3.4	10,067	6,531	1.5	32,425	13,090	2.5
11-Jun ^a									
12-Jun	11,514	2,501	4.6	13,133	9,141	1.4	24,647	11,642	2.1
13-Jun	21,961	4,653	4.7	58,937	46,393	1.3	80,898	51,046	1.6
14-Jun	36,995	8,937	4.1	44,842	46,973	1.0	81,837	55,910	1.5
15-Jun	54,211	17,693	3.1	44,700	53,798	0.8	98,911	71,491	1.4
16-Jun ^a									
17-Jun	44,049	15,196	2.9	25,172	29,451	0.9	69,221	44,647	1.6
18-Jun	79,235	21,813	3.6	54,733	53,329	1.0	133,968	75,142	1.8
19-Jun	53,875	14,326	3.8	41,825	30,714	1.4	95,700	45,040	2.1
20-Jun	49,180	9,817	5.0	42,523	30,718	1.4	91,703	40,535	2.3
21-Jun ^a									
22-Jun	24,747	7,767	3.2	25,332	28,853	0.9	50,079	36,620	1.4
23-Jun	24,413	13,559	1.8	26,569	22,099	1.2	50,982	35,658	1.4
24-Jun	32,818	12,165	2.7	32,776	32,200	1.0	65,594	44,365	1.5
25-Jun	20,824	10,384	2.0	39,761	34,220	1.2	60,585	44,604	1.4
26-Jun ^a									
27-Jun	40,478	19,333	2.1	16,321	8,324	2.0	56,799	27,657	2.1
28-Jun	27,008	12,749	2.1	45,968	25,806	1.8	72,976	38,555	1.9
29-Jun	26,127	14,485	1.8	24,558	20,350	1.2	50,685	34,835	1.5
30-Jun ^a									
Total	595,221	200,783	3.0	572,697	495,992	1.2	1,167,918	696,775	1.7

^a Closed to commercial fishing.

Appendix B9.–South Unimak June commercial salmon harvest, all gear combined, by species and day, 2009.

Date	Permits	Landings	Number of Salmon					Total
			Chinook	Sockeye	Coho	Pink	Chum	
7-Jun	38	38	9	4,206	0	20	931	5,166
8-Jun	56	62	69	7,279	0	284	2,481	10,113
9-Jun	70	76	122	13,943	0	1,142	5,434	20,641
10-Jun	68	74	27	22,358	0	1,182	6,559	30,126
11-Jun ^a								
12-Jun	82	82	79	11,514	0	260	2,501	14,354
13-Jun	102	113	128	21,961	0	2,749	4,653	29,491
14-Jun	93	115	182	36,995	0	6,652	8,937	52,766
15-Jun	114	125	117	54,211	0	7,214	17,693	79,235
16-Jun ^a								
17-Jun	119	125	81	44,049	1	13,874	15,196	73,201
18-Jun	131	161	177	79,235	0	46,355	21,813	147,580
19-Jun	129	142	54	53,875	0	26,336	14,326	94,591
20-Jun	106	122	34	49,180	1	29,478	9,817	88,510
21-Jun ^a								
22-Jun	93	100	37	24,747	0	54,153	7,767	86,704
23-Jun	52	65	50	24,413	1	61,945	13,559	99,968
24-Jun	42	54	41	32,818	0	94,679	12,165	139,703
25-Jun	31	42	44	20,824	0	63,814	10,384	95,066
26-Jun ^a								
27-Jun	27	48	70	40,478	1	177,260	19,333	237,142
28-Jun	26	38	38	27,008	0	144,583	12,749	184,378
29-Jun	26	45	35	26,127	2	214,843	14,485	255,492
30-Jun ^a								
Total	150	1,627	1,394	595,221	6	946,823	200,783	1,744,227

^a Closed to commercial fishing.

Appendix B10.–South Unimak June commercial purse seine salmon harvest by species and day, 2009.

Date	Permits	Landings	Number of Salmon					Total
			Chinook	Sockeye	Coho	Pink	Chum	
7-Jun ^a								
8-Jun								
9-Jun	3	3	46	2,612	0	880	1,896	5,434
10-Jun	3	3	3	734	0	649	339	1,725
11-Jun ^b								
12-Jun ^a								
13-Jun	5	5	7	685	0	1,777	175	2,644
14-Jun	8	8	52	4,776	0	5,631	1,397	11,856
15-Jun	9	10	23	3,131	0	3,654	1,251	8,059
16-Jun ^b								
17-Jun	8	8	18	3,513	0	11,115	2,592	17,238
18-Jun	13	13	70	24,654	0	38,492	3,117	66,333
19-Jun	14	14	24	6,553	0	19,880	1,615	28,072
20-Jun	13	13	20	5,790	1	22,687	1,606	30,104
21-Jun ^b								
22-Jun	11	11	17	7,625	0	47,401	3,516	58,559
23-Jun	14	14	39	10,415	0	55,006	7,893	73,353
24-Jun	12	12	32	23,393	0	89,828	10,197	123,450
25-Jun	10	10	39	11,892	0	60,123	8,301	80,355
26-Jun ^b								
27-Jun	11	15	65	33,260	1	171,193	18,192	222,711
28-Jun	11	11	37	17,766	0	137,213	10,970	165,986
29-Jun	11	16	35	17,376	1	206,184	12,822	236,418
30-Jun ^b								
Total	18	169	532	174,467	3	871,932	85,945	1,132,879

^a Confidential information.

^b Closed to commercial fishing.

Appendix B11.–South Unimak June commercial drift gillnet salmon harvest by species and day, 2009.

Date	Permits	Landings	Number of Salmon					Total
			Chinook	Sockeye	Coho	Pink	Chum	
7-Jun	36	36	8	3,834	0	20	917	4,779
8-Jun	49	54	64	5,828	0	244	2,412	8,548
9-Jun	63	69	76	10,956	0	262	3,534	14,828
10-Jun	62	68	24	21,079	0	533	6,200	27,836
11-Jun ^a								
12-Jun	69	69	58	9,556	0	53	2,323	11,990
13-Jun	90	101	86	20,119	0	952	4,267	25,424
14-Jun	78	99	126	30,878	0	993	7,487	39,484
15-Jun	100	110	94	49,644	0	3,558	16,213	69,509
16-Jun ^a								
17-Jun	100	106	57	35,980	0	2,409	12,066	50,512
18-Jun	108	136	99	49,395	0	7,370	18,069	74,933
19-Jun	103	116	25	44,935	0	5,989	12,386	63,335
20-Jun	85	101	11	41,381	0	6,385	8,088	55,865
21-Jun ^a								
22-Jun	67	69	18	11,580	0	5,816	3,700	21,114
23-Jun	26	29	10	8,495	0	4,763	5,018	18,286
24-Jun	15	17	3	3,016	0	2,923	1,434	7,376
25-Jun	6	6	4	2,489	0	1,184	1,438	5,115
26-Jun ^a								
27-Jun	2	2	0	399	0	455	212	1,066
28-Jun ^b								
29-Jun ^b								
30-Jun ^a								
Total	116	1,190	763	350,382	0	44,200	105,764	501,109

^a Closed to commercial fishing.

^b Confidential information.

Appendix B12.–South Unimak June commercial set gillnet salmon harvest by species and day, 2009.

Date	Permits	Landings	Number of Salmon					Total
			Chinook	Sockeye	Coho	Pink	Chum	
7-Jun ^a								
8-Jun	6	7	5	1,274	0	12	59	1,350
9-Jun	4	4	0	375	0	0	4	379
10-Jun	3	3	0	545	0	0	20	565
11-Jun ^b								
12-Jun	11	11	16	1,843	0	16	122	1,997
13-Jun	7	7	35	1,157	0	20	211	1,423
14-Jun	7	8	4	1,341	0	28	53	1,426
15-Jun	5	5	0	1,436	0	2	229	1,667
16-Jun ^b								
17-Jun	11	11	6	4,556	1	350	538	5,451
18-Jun	10	12	8	5,186	0	493	627	6,314
19-Jun	12	12	5	2,387	0	467	325	3,184
20-Jun	8	8	3	2,009	0	406	123	2,541
21-Jun ^b								
22-Jun	15	20	2	5,542	0	936	551	7,031
23-Jun	12	22	1	5,503	1	2,176	648	8,329
24-Jun	15	25	6	6,409	0	1,928	534	8,877
25-Jun	15	26	1	6,443	0	2,507	645	9,596
26-Jun ^b								
27-Jun	14	31	5	6,819	0	5,612	929	13,365
28-Jun	14	26	1	8,675	0	7,169	1,779	17,624
29-Jun	14	28	0	8,500	1	8,569	1,663	18,733
30-Jun ^b								
Total	16	268	99	70,372	3	30,691	9,074	110,239

^a Confidential information.

^b Closed to commercial fishing.

Appendix B13.–Shumagin Islands Section commercial salmon harvest, all gear combined, by species and day, 2009.

Date	Permits	Landings	Number of Salmon					Total
			Chinook	Sockeye	Coho	Pink	Chum	
7-Jun	20	21	27	3,704	0	1,222	2,559	7,512
8-Jun	40	48	146	9,143	0	3,949	8,224	21,462
9-Jun	39	48	127	12,633	0	4,189	6,309	23,258
10-Jun	38	38	133	10,067	0	5,202	6,531	21,933
11-Jun ^a								
12-Jun	39	49	172	13,133	0	10,594	9,141	33,040
13-Jun	53	68	490	58,937	0	85,711	46,393	191,531
14-Jun	54	80	235	44,842	0	39,861	46,973	131,911
15-Jun	49	66	325	44,700	0	66,095	53,798	164,918
16-Jun ^a								
17-Jun	38	45	76	25,172	0	44,108	29,451	98,807
18-Jun	57	91	152	54,733	0	134,540	53,329	242,754
19-Jun	52	74	60	41,825	0	96,118	30,714	168,717
20-Jun	60	83	83	42,523	0	104,026	30,718	177,350
21-Jun ^a								
22-Jun	49	66	79	25,332	1	90,016	28,853	144,281
23-Jun	52	81	52	26,569	0	69,853	22,099	118,573
24-Jun	49	71	69	32,776	0	93,279	32,200	158,324
25-Jun	54	81	82	39,761	0	116,117	34,220	190,180
26-Jun ^a								
27-Jun	38	64	33	16,321	1	22,995	8,324	47,674
28-Jun	53	82	55	45,968	82	150,911	25,806	222,822
29-Jun	55	69	46	24,558	113	162,946	20,350	208,013
30-Jun ^a								
Total	69	1,225	2,442	572,697	197	1,301,732	495,992	2,373,060

^a Closed to commercial fishing.

Appendix B14.—Shumagin Islands Section commercial purse seine salmon harvest by species and day, 2009.

Date	Permits	Landings	Number of Salmon					Total
			Chinook	Sockeye	Coho	Pink	Chum	
7-Jun	8	8	24	2,841	0	1,222	2,455	6,542
8-Jun	16	16	144	6,987	0	3,938	7,864	18,933
9-Jun	12	12	118	9,484	0	4,147	5,762	19,511
10-Jun	20	20	131	8,037	0	5,196	6,218	19,582
11-Jun ^a								
12-Jun	13	13	166	8,940	0	10,504	8,386	27,996
13-Jun	25	25	464	51,965	0	85,282	44,372	182,083
14-Jun	22	24	225	34,413	0	39,223	41,989	115,850
15-Jun	22	22	313	37,072	0	65,792	50,708	153,885
16-Jun ^a								
17-Jun	16	16	70	20,709	0	43,981	28,275	93,035
18-Jun	23	25	141	43,977	0	133,834	49,810	227,762
19-Jun	18	19	53	29,319	0	95,266	27,626	152,264
20-Jun	25	25	74	33,240	0	102,596	28,398	164,308
21-Jun ^a								
22-Jun	19	19	74	16,402	0	88,352	27,036	131,864
23-Jun	17	17	48	13,502	0	67,807	18,807	100,164
24-Jun	16	16	62	20,834	0	90,838	28,765	140,499
25-Jun	22	22	77	27,050	0	113,350	31,186	171,663
26-Jun ^a								
27-Jun	6	6	28	6,218	0	19,257	5,010	30,513
28-Jun	17	18	51	33,609	82	147,490	21,001	202,233
29-Jun	22	22	44	18,824	106	160,142	18,152	197,268
30-Jun ^a								
Total	26	345	2,307	423,423	188	1,278,217	451,820	2,155,955

^a Closed to commercial fishing.

Appendix B15.–Shumagin Islands Section commercial set gillnet salmon harvest by species and day, 2009.

Date	Permits	Landings	Number of Salmon					Total
			Chinook	Sockeye	Coho	Pink	Chum	
7-Jun	12	13	3	863	0	0	104	970
8-Jun	24	32	2	2,156	0	11	360	2,529
9-Jun	27	36	9	3,149	0	42	547	3,747
10-Jun	18	18	2	2,030	0	6	313	2,351
11-Jun ^a								
12-Jun	26	36	6	4,193	0	90	755	5,044
13-Jun	28	43	26	6,972	0	429	2,021	9,448
14-Jun	32	56	10	10,429	0	638	4,984	16,061
15-Jun	27	44	12	7,628	0	303	3,090	11,033
16-Jun ^a								
17-Jun	22	29	6	4,463	0	127	1,176	5,772
18-Jun	34	66	11	10,756	0	706	3,519	14,992
19-Jun	34	55	7	12,506	0	852	3,088	16,453
20-Jun	35	58	9	9,283	0	1,430	2,320	13,042
21-Jun ^a								
22-Jun	30	47	5	8,930	1	1,664	1,817	12,417
23-Jun	35	64	4	13,067	0	2,046	3,292	18,409
24-Jun	33	55	7	11,942	0	2,441	3,435	17,825
25-Jun	32	59	5	12,711	0	2,767	3,034	18,517
26-Jun ^a								
27-Jun	32	58	5	10,103	1	3,738	3,314	17,161
28-Jun	36	64	4	12,359	0	3,421	4,805	20,589
29-Jun	33	47	2	5,734	7	2,804	2,198	10,745
30-Jun ^a								
Total	43	880	135	149,274	9	23,515	44,172	217,105

^a Closed to commercial fishing

Appendix B16.–South Unimak and Shumagin Islands June fisheries commercial sockeye and chum salmon harvests in percent by gear type and year, 1970-2009.

Year	South Unimak						Shumagin Islands			
	Sockeye			Chum			Sockeye		Chum	
	Purse Seine	Drift Gillnet	Set Gillnet	Purse Seine	Drift Gillnet	Set Gillnet	Purse Seine	Set Gillnet	Purse Seine	Set Gillnet
1970	47.5	52.0	0.5	31.0	68.8	0.2	91.9	8.1	94.0	6.0
1971	25.3	74.7	0.0	19.5	80.5	0.0	89.4	10.6	96.8	3.2
1972	12.5	87.5	0.0	9.3	90.7	0.0	96.9	3.1	98.5	1.5
1973	9.6	90.2	0.2	6.6	93.3	0.1	87.3	12.7	94.3	5.7
1974 ^a										
1975	22.9	77.0	0.1	28.9	71.1	0.0	97.4	2.6	97.4	2.6
1976	17.4	82.2	0.4	14.2	85.8	0.1	95.5	4.5	97.1	2.9
1977	15.2	84.3	0.5	10.5	89.3	0.2	94.9	5.1	99.0	1.0
1978	18.4	81.0	0.6	9.9	90.0	0.1	97.0	3.0	96.3	3.7
1979	70.6	29.2	0.2	30.1	69.8	0.1	92.4	7.6	95.7	4.3
1980	76.4	23.1	0.5	79.2	20.7	0.1	96.4	3.6	97.3	2.7
1981	50.7	47.1	2.1	63.5	36.2	0.3	94.8	5.2	98.7	1.3
1982	54.1	44.7	1.2	46.1	53.7	0.2	97.3	2.7	98.9	1.1
1983	60.5	38.8	0.7	65.9	34.0	0.1	97.4	2.6	99.6	0.4
1984	63.3	35.7	1.0	60.2	39.7	0.1	94.7	5.3	99.3	0.7
1985	61.3	38.0	0.7	38.7	61.1	0.2	94.8	5.2	96.0	4.0
1986	46.7	51.7	1.6	43.8	55.9	0.3	85.0	15.0	95.0	5.0
1987	36.5	61.5	2.0	38.3	61.1	0.6	76.0	24.0	93.4	6.6
1988	29.8	67.0	3.2	33.5	65.8	0.6	72.1	27.9	82.6	17.4
1989	59.4	38.0	2.5	52.1	47.3	0.7	90.9	9.1	93.6	6.4
1990 ^b	56.9	41.6	1.6	57.9	41.8	0.3	85.3	14.7	93.1	6.9
1991	53.5	44.4	2.1	61.2	38.2	0.6	80.6	19.4	93.3	6.7
1992	58.3	37.4	4.3	63.2	35.6	1.2	90.9	9.1	96.3	3.7
1993	59.1	38.1	2.8	66.2	31.6	2.2	87.5	12.5	97.9	2.1
1994	57.3	37.1	5.7	63.9	34.6	1.5	75.4	24.6	96.5	3.5
1995	42.1	54.6	3.2	47.1	50.5	2.5	81.5	18.5	93.7	6.3
1996	22.2	73.7	4.1	32.0	66.3	1.7	75.0	25.0	95.9	4.1
1997	14.8	76.0	9.2	30.1	65.1	4.8	75.5	24.5	93.8	6.2
1998	7.2	87.9	4.9	13.7	83.2	3.1	49.4	50.6	78.7	21.3
1999	21.0	75.7	3.3	28.0	68.9	3.1	74.3	25.7	93.2	6.8
2000	12.9	81.0	6.1	27.7	68.0	4.4	77.4	22.6	94.5	5.5
2001	14.1	78.6	7.3	15.8	79.4	4.8	84.9	15.1	93.1	6.9
2002	20.4	71.5	8.1	22.9	72.1	5.0	76.7	23.3	94.8	5.2
2003	17.5	73.1	9.4	19.3	76.5	4.1	70.5	29.5	95.8	4.2
2004	17.0	69.4	13.6	13.9	83.6	2.5	74.6	25.4	95.8	4.2
2005	20.5	51.9	27.6	18.3	78.0	3.8	61.2	38.8	92.0	8.0
2006	23.4	46.6	30.0	7.8	87.2	5.0	68.6	31.4	89.9	10.1
2007	14.7	76.0	9.3	22.5	75.3	2.2	83.0	17.0	92.5	7.5
2008	24.1	71.7	4.2	34.0	63.9	2.1	85.8	14.2	89.3	10.7
2009	29.3	58.9	11.8	42.8	52.7	4.5	73.9	26.1	91.1	8.9
1971-1980 Average	29.8	69.9	0.3	23.1	76.8	0.1	94.1	5.9	96.9	3.1
1981-1990 Average	51.9	46.4	1.7	50.0	49.7	0.3	88.8	11.2	95.0	5.0
2000-2009 Average	19.4	67.9	12.7	22.5	73.7	3.8	75.7	24.3	92.9	7.1
2007-2009 Average	22.7	68.8	8.4	33.1	64.0	2.9	80.9	19.1	91.0	9.0

^a No fishery due to anticipated poor sockeye salmon runs to Bristol Bay.

^b Gear depth limitations in effect beginning in 1990.

Appendix B17.–South Unimak June fishery commercial sockeye salmon harvests in number of fish and percent by gear type and year, 1970-2009.

Year	Purse Seine ^a		Drift Gillnet ^a		Set Gillnet ^a		Total
	Number	Percent	Number	Percent	Number	Percent	
1970	717,189	47.5	784,956	52.0	8,228	0.5	1,510,373
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 ^b							
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 ^c	619,391	56.9	452,484	41.6	17,069	1.6	1,088,944
1991	650,461	53.5	539,490	44.4	25,707	2.1	1,215,658
1992	1,192,202	58.3	765,752	37.4	88,068	4.3	2,046,022
1993	1,397,481	59.1	902,788	38.1	66,304	2.8	2,366,573
1994	573,247	57.3	371,103	37.1	56,900	5.7	1,001,250
1995	611,453	42.1	792,940	54.6	47,097	3.2	1,451,490
1996	127,366	22.2	421,882	73.7	23,247	4.1	572,495
1997	174,536	14.8	896,638	76.0	108,005	9.2	1,179,179
1998	70,263	7.2	856,265	87.9	48,100	4.9	974,628
1999	232,779	21.0	836,876	75.7	36,553	3.3	1,106,208
2000	114,831	12.9	722,855	81.0	54,330	6.1	892,016
2001	17,159	14.1	95,547	78.6	8,841	7.3	121,547
2002	72,569	20.4	254,657	71.5	28,931	8.1	356,157
2003	58,813	17.5	245,657	73.1	31,433	9.4	335,903
2004	90,465	17.0	369,011	69.4	72,479	13.6	531,955
2005	89,607	20.5	227,206	51.9	120,630	27.6	437,443
2006	114,760	23.4	228,924	46.6	147,369	30.0	491,053
2007	108,659	14.7	560,544	76.0	68,439	9.3	737,642
2008	256,971	24.1	762,898	71.7	44,701	4.2	1,064,570
2009	174,467	29.3	350,382	58.9	70,372	11.8	595,221
1990-2009 Average	337,374	29.3	532,695	62.3	58,229	8.4	928,298
2000-2009 Average	109,830	19.4	381,768	67.9	64,753	12.7	556,351
2007-2009 Average	180,032	22.7	557,941	68.8	61,171	8.4	799,144

^a Does not include test fish harvests.

^b No fishery due to anticipated poor sockeye salmon runs to Bristol Bay.

^c Gear depth limitations in effect beginning in 1990.

Appendix B18.—South Unimak June fishery commercial chum salmon harvests in number of fish and percent by gear type and year, 1970-2009.

Year	Purse Seine ^a		Drift Gillnet ^a		Set Gillnet ^a		Total
	Number	Percent	Number	Percent	Number	Percent	
1970	121,214	31.0	269,476	68.8	878	0.2	391,568
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 ^b							
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 ^c	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
1990-2009 Average	105,100	34.4	128,951	62.6	5,565	3.0	239,616
2000-2009 Average	39,083	22.5	108,938	73.7	5,617	3.8	153,637
2007-2009 Average	72,352	33.1	134,328	64.0	6,176	2.9	212,855

^a Does not include test fish harvests.

^b No fishery due to anticipated poor sockeye salmon runs to Bristol Bay.

^c Gear depth limitations in effect beginning in 1990.

Appendix B19.–Shumagin Islands June fishery commercial sockeye salmon harvests in number of fish and percent by gear type and year, 1970-2009.

Year	Purse Seine ^a		Set Gillnet ^a		Total
	Number	Percent	Number	Percent	
1970	128,408	91.9	11,327	8.1	139,735
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
1990-2009 Average					
	341,010	76.6	101,449	23.4	442,458
2000-2009 Average					
	351,186	75.7	112,684	24.3	463,870
2007-2009 Average					
	562,605	80.9	128,695	19.1	691,300

^a Does not include test fish harvests.

^b No fishery due to anticipated poor sockeye salmon runs to Bristol Bay.

^c Gear depth limitations in effect beginning in 1990.

Appendix B20.—Shumagin Islands June fishery commercial chum salmon harvests in number of fish and percent by gear type and year, 1970-2009.

Year	Purse Seine ^a		Set Gillnet ^a		Total
	Number	Percent	Number	Percent	
1970	42,226	94.0	2,683	6.0	44,909
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	34,614	97.4	929	2.6	35,543
1976	71,946	97.1	2,163	2.9	74,109
1977	21,678	99.0	221	1.0	21,899
1978	17,793	96.3	686	3.7	18,479
1979	39,196	95.7	1,757	4.3	40,953
1980	48,990	97.3	1,376	2.7	50,366
1981	53,351	98.7	720	1.3	54,071
1982	159,518	98.9	1,798	1.1	161,316
1983	168,618	99.6	659	0.4	169,277
1984	108,495	99.3	712	0.7	109,207
1985	104,619	96.0	4,385	4.0	109,004
1986	94,080	95.0	4,968	5.0	99,048
1987	34,617	93.4	2,447	6.6	37,064
1988	51,154	82.6	10,792	17.4	61,946
1989	44,498	93.6	3,030	6.4	47,528
1990 ^c	59,111	93.1	4,390	6.9	63,501
1991	95,756	93.3	6,846	6.7	102,602
1992	98,509	96.3	3,803	3.7	102,312
1993	147,160	97.9	3,146	2.1	150,306
1994	200,577	96.5	7,179	3.5	207,756
1995	182,894	93.7	12,232	6.3	195,126
1996	220,449	95.9	9,482	4.1	229,931
1997	118,418	93.8	7,891	6.2	126,309
1998	39,464	78.7	10,701	21.3	50,165
1999	54,439	93.2	3,981	6.8	58,420
2000	66,580	94.5	3,889	5.5	70,469
2001	11,402	93.1	849	6.9	12,251
2002	168,405	94.8	9,201	5.2	177,606
2003	154,445	95.8	6,824	4.2	161,269
2004	336,753	95.8	14,930	4.2	351,683
2005	261,261	92.0	22,770	8.0	284,031
2006	183,192	89.9	20,619	10.1	203,811
2007	133,379	92.5	10,826	7.5	144,205
2008	112,924	89.3	13,559	10.7	126,483
2009	451,820	91.1	44,172	8.9	495,992
1990-2009 Average					
	154,847	93	10,865	7	165,711
2000-2009 Average					
	188,016	93	14,764	7	202,780
2007-2009 Average					
	232,708	91	22,852	9	255,560

^a Does not include test fish harvests.

^b No fishery due to anticipated poor sockeye salmon runs to Bristol Bay.

^c Gear depth limitations in effect beginning in 1990.

Appendix B21.—South Unimak and Shumagin Islands June commercial fisheries harvest and sockeye to chum salmon ratios, by location and year, 1960-2009.

Year	South Unimak ^a			Shumagin Islands ^a			Total ^a		
	Sockeye	Chum	Ratio	Sockeye	Chum	Ratio	Sockeye	Chum	Ratio
1960	137,000	84,000	1.6	19,000	11,000	1.7	156,000	95,000	1.6
1961	199,000	157,000	1.3	55,000	36,000	1.5	254,000	193,000	1.3
1962	272,000	209,000	1.3	54,000	61,000	0.9	326,000	270,000	1.2
1963	116,000	36,000	3.2	33,000	36,000	0.9	149,000	72,000	2.1
1964	159,000	161,000	1.0	85,000	67,000	1.3	244,000	228,000	1.1
1965	568,000	121,000	4.7	207,000	45,000	4.6	775,000	166,000	4.7
1966	528,000	215,000	2.5	54,000	17,000	3.2	582,000	232,000	2.5
1967	186,000	73,000	2.5	69,000	51,000	1.4	255,000	124,000	2.1
1968	342,000	115,000	3.0	233,000	51,000	4.6	575,000	166,000	3.5
1969	781,000	254,000	3.1	76,000	13,000	5.8	857,000	267,000	3.2
1970	1,510,373	391,568	3.9	139,735	44,909	3.1	1,650,108	436,477	3.8
1971	422,760	405,311	1.0	39,341	103,886	0.4	462,101	509,197	0.9
1972	426,799	411,000	1.0	74,398	107,810	0.7	501,197	518,810	1.0
1973	222,124	177,720	1.2	22,964	22,910	1.0	245,088	200,630	1.2
1974 ^b									
1975	190,774	65,279	2.9	49,325	35,543	1.4	240,099	100,822	2.4
1976	231,568	336,161	0.7	72,016	74,109	1.0	303,584	410,270	0.7
1977	194,807	94,097	2.1	45,912	21,899	2.1	240,719	115,996	2.1
1978	418,935	103,413	4.1	67,876	18,479	3.7	486,811	121,892	4.0
1979	672,212	63,150	10.6	179,139	40,953	4.4	851,351	104,103	8.2
1980	2,731,148	458,499	6.0	475,127	50,366	9.4	3,206,275	508,865	6.3
1981	1,470,393	509,876	2.9	350,572	54,071	6.5	1,820,965	563,947	3.2
1982	1,668,153	933,728	1.8	450,548	161,316	2.8	2,118,701	1,095,044	1.9
1983	1,545,075	616,354	2.5	416,494	169,277	2.5	1,961,569	785,631	2.5
1984	1,131,365	227,913	5.0	256,838	109,207	2.4	1,388,203	337,120	4.1
1985	1,454,969	324,825	4.5	336,431	109,004	3.1	1,791,400	433,829	4.1
1986	315,370	252,721	1.2	156,027	99,048	1.6	471,397	351,769	1.3
1987	652,397	405,955	1.6	140,567	37,064	3.8	792,964	443,019	1.8
1988	474,457	464,765	1.0	282,230	61,946	4.6	756,687	526,711	1.4
1989	1,347,547	407,635	3.3	396,958	47,528	8.4	1,744,505	455,163	3.8
1990 ^c	1,088,944	455,044	2.4	255,585	63,501	4.0	1,344,529	518,545	2.6
1991	1,215,658	670,103	1.8	333,272	102,602	3.2	1,548,930	772,705	2.0
1992	2,046,022	323,891	6.3	411,834	102,312	4.0	2,457,856	426,203	5.8
1993	2,366,573	381,941	6.2	607,171	150,306	4.0	2,973,744	532,247	5.6
1994	1,001,250	374,409	2.7	460,013	207,756	2.2	1,461,263	582,165	2.5
1995	1,451,490	342,307	4.2	653,831	195,126	3.4	2,105,321	537,433	3.9
1996	572,495	129,889	4.4	456,475	229,931	2.0	1,028,970	359,820	2.9

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Year	South Unimak ^a			Shumagin Islands ^a			Total ^a		
	Sockeye	Chum	Ratio	Sockeye	Chum	Ratio	Sockeye	Chum	Ratio
1997	1,179,179	196,016	6.0	449,002	126,309	3.6	1,628,181	322,325	5.1
1998	974,628	195,454	5.0	314,097	50,165	6.3	1,288,725	245,619	5.2
1999	1,106,208	186,886	5.9	269,191	58,420	4.6	1,375,399	245,306	5.6
2000	892,016	168,888	5.3	359,212	70,469	5.1	1,251,228	239,357	5.2
2001	121,547	36,099	3.4	29,085	12,251	2.4	150,632	48,350	3.1
2002	356,157	201,211	1.8	234,949	177,606	1.3	591,106	378,817	1.6
2003	335,903	121,169	2.8	117,244	161,269	0.7	453,147	282,438	1.6
2004	531,955	130,626	4.1	816,118	351,683	2.3	1,348,073	482,309	2.8
2005	437,443	143,799	3.0	566,952	284,031	2.0	1,004,395	427,830	2.3
2006	491,053	96,016	5.1	441,238	203,811	2.2	932,291	299,827	3.1
2007	737,642	153,334	4.8	852,198	144,205	5.9	1,589,840	297,539	5.3
2008	1,064,570	284,449	3.7	649,005	126,483	5.1	1,713,575	410,932	4.2
2009	595,221	200,783	3.0	572,697	495,992	1.2	1,167,918	696,775	1.7
1990-2009 Average									
	928,298	239,616	4.1	442,458	165,711	3.3	1,370,756	405,327	3.6
2000-2009 Average									
	556,351	153,637	3.7	463,870	202,780	2.8	1,020,221	356,417	3.1
2007-2009 Average									
	799,144	212,855	3.8	691,300	255,560	4.1	1,490,444	468,415	3.7

^a Does not include test fish harvests.

^b No fishery due to anticipated poor sockeye salmon runs to Bristol Bay.

^c Gear depth limitations in effect beginning in 1990.

Appendix B22.—South Unimak and Shumagin Islands June commercial fisheries sockeye to chum salmon ratios by location, gear type, and year, 1970-2009.

Year	South Unimak				Shumagin Islands		
	Purse Seine	Drift Gillnet	Set Gillnet	Total	Purse Seine	Set Gillnet	Total
1970	5.9	2.9	9.4	3.9	3.0	4.2	3.1
1971	1.4	1.0	--	1.0	0.3	1.2	0.4
1972	1.4	1.0	--	1.0	0.7	1.5	0.7
1973	1.8	1.2	2.3	1.2	0.9	2.2	1.0
1974 ^a							
1975	2.3	3.2	--	2.9	1.4	1.4	1.4
1976	0.8	0.7	4.1	0.7	1.0	1.5	1.0
1977	3.0	2.0	4.9	2.1	2.0	10.6	2.1
1978	7.6	3.6	27.5	4.1	3.7	3.0	3.7
1979	25.0	4.5	14.7	10.6	4.2	7.7	4.4
1980	5.7	6.7	55.0	6.0	9.4	12.4	9.4
1981	2.3	3.8	21.4	2.9	6.2	25.4	6.5
1982	2.1	1.5	11.1	1.8	2.7	6.7	2.8
1983	2.3	2.9	12.8	2.5	2.4	16.3	2.5
1984	5.2	4.5	36.4	5.0	2.2	19.2	2.4
1985	7.1	2.8	14.8	4.5	3.0	4.0	3.1
1986	1.3	1.2	6.7	1.2	1.4	4.7	1.6
1987	1.5	1.6	5.0	1.6	3.1	13.8	3.8
1988	0.9	1.0	5.2	1.0	4.0	7.3	4.6
1989	3.8	2.7	12.7	3.3	8.1	11.9	8.4
1990 ^b	2.4	2.4	11.3	2.4	3.7	8.6	4.0
1991	1.6	2.1	6.5	1.8	2.8	9.5	3.2
1992	5.8	6.6	23.3	6.3	3.8	9.9	4.0
1993	5.5	7.5	8.0	6.2	3.6	24.1	4.0
1994	2.4	2.9	10.2	2.7	1.7	15.8	2.2
1995	3.8	4.6	5.6	4.2	2.9	9.9	3.4
1996	3.1	4.9	10.2	4.4	1.6	12.0	2.0
1997	3.0	7.0	11.5	6.0	2.9	14.0	3.6
1998	2.6	5.3	7.9	5.0	3.9	14.8	6.3
1999	4.4	6.5	6.2	5.9	3.7	17.4	4.6
2000	2.5	6.3	7.4	5.3	4.2	20.9	5.1
2001	3.0	3.3	5.1	3.4	2.2	5.2	2.4
2002	1.6	1.8	2.9	1.8	1.1	6.0	1.3
2003	2.5	2.6	6.3	2.8	0.5	5.1	0.7
2004	5.0	3.4	22.3	4.1	1.8	13.9	2.3
2005	3.4	2.0	22.3	3.0	1.3	9.7	2.0
2006	15.3	2.7	30.8	5.1	1.7	6.7	2.2
2007	3.1	4.9	20.5	4.8	5.3	13.3	5.9
2008	2.7	4.2	7.3	3.7	4.9	6.8	5.1
2009	2.0	3.3	7.8	3.0	0.9	3.4	1.2
1990-2009 Average	3.8	4.2	11.7	4.1	2.7	11.3	3.3
2000-2009 Average	4.1	3.5	13.3	3.7	2.4	9.1	2.8
2007-2009 Average	2.6	4.1	11.9	3.8	3.7	7.8	4.1

^a No fishery due to anticipated poor sockeye salmon runs to Bristol Bay.

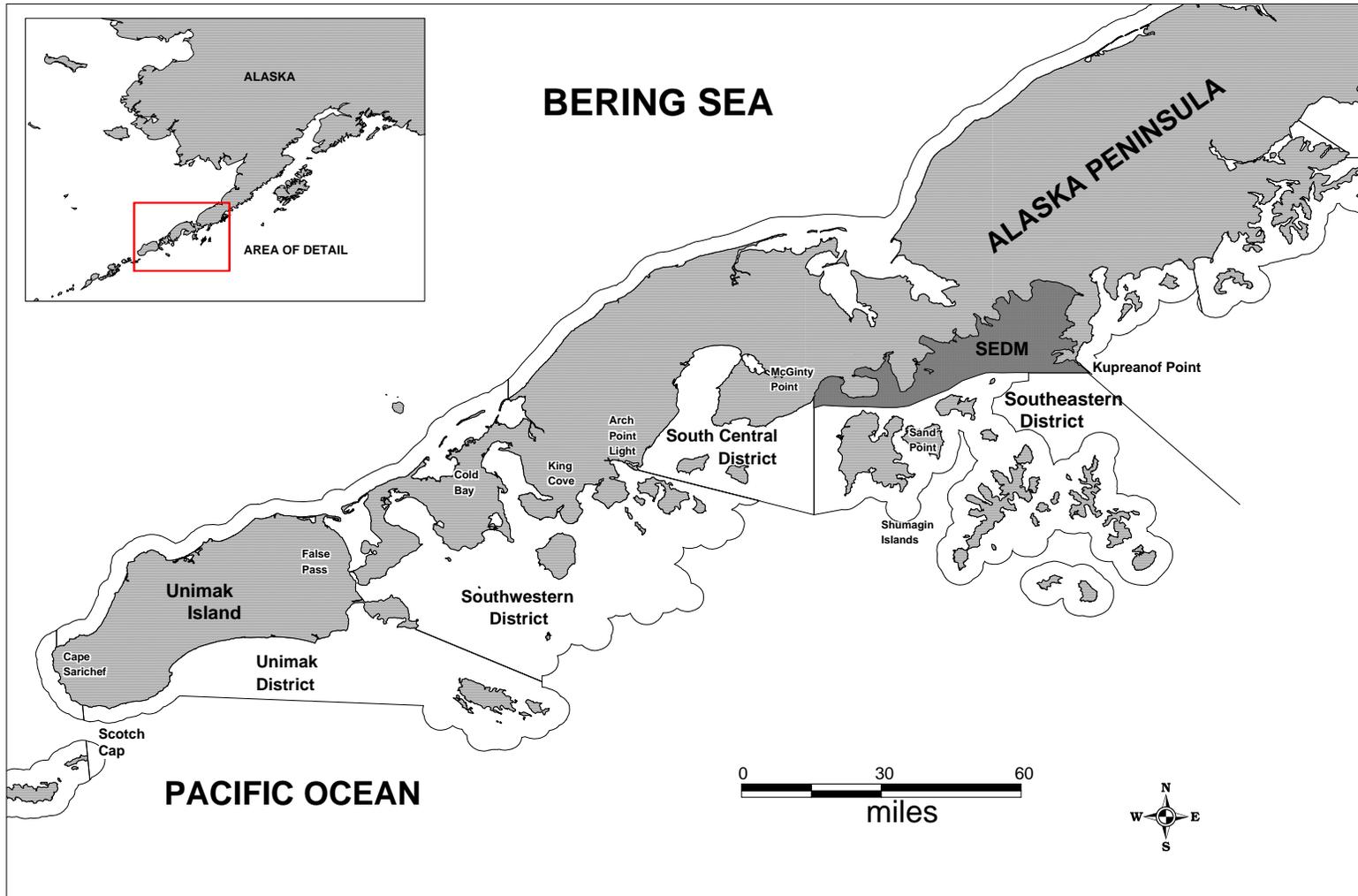
^b Gear depth limitations in effect beginning in 1990.

Appendix B23.–Number and type of commercial salmon permits fished in the South Unimak and Shumagin Islands June fisheries, by year, 1970-2009.

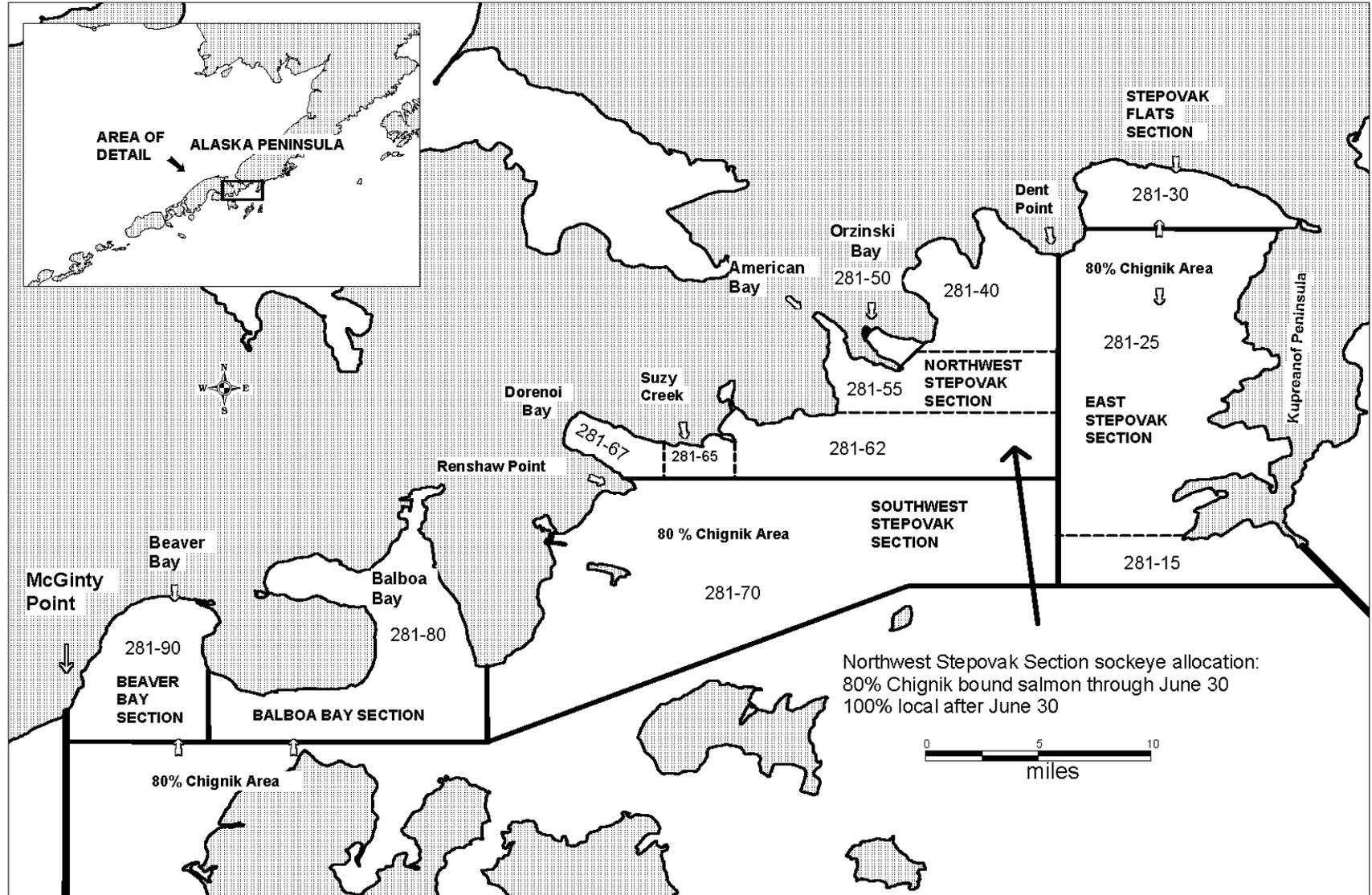
Year	Permits			Total
	Purse Seine	Drift Gillnet	Set Gillnet	
1970	38	156	16	210
1971	37	122	8	167
1972	32	150	6	188
1973	16	121	6	143
1974 ^a				
1975	20	81	8	109
1976	25	108	14	147
1977	17	101	12	130
1978	23	120	16	159
1979	40	132	26	198
1980	68	129	29	226
1981	83	135	25	243
1982	90	138	23	251
1983	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
1990-2009 Average	69	123	60	253
2000-2009 Average	40	99	54	193
2007-2009 Average	39	104	56	199

^a No fishery due to anticipated poor sockeye salmon runs to Bristol Bay.

**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.

1974-1978

Prior to 1974, the SEDM fishery was regulated by set weekly fishing periods, which were generally five days per week. From 1974 through 1977, the fishery was open on a day per day basis with Chignik Lagoon. In 1978, the board restricted fishing time to three days per week for set gillnet gear only through July 10. Since 1978, set gillnets have been the only legal gear through July 10 in the SEDM (Jackson and Poetter 2006). During 1978, harvest rates were low despite strong Chignik runs, resulting in a SEDM catch of only 31,197 sockeye salmon, of which 22,064 sockeye were considered Chignik-bound, 1.3% of the total Chignik harvest (Appendices C5 and C8). From 1973 to 1978, an average of 20 set gillnet and 17 purse seine fishermen participated in this fishery (Figures 4 and 5).

1979-1984

Beginning with the 1979 season, the board increased fishing time from three days to five days per week but specified that not more than 60,000 Chignik-bound sockeye salmon could be harvested through July 10 in the SEDM. The board stipulated that the SEDM fishery would be closed if it became apparent that the Chignik escapement requirements were not ensured. The board also stated that if CMA catch exceeded 1,000,000 sockeye salmon before July 10, the SEDM fishery could continue beyond the 60,000 sockeye salmon ceiling. This management plan remained in effect until 1985.

From 1979 to 1982, the annual SEDM harvest averaged 118,429 sockeye salmon; 76,476 sockeye salmon were considered to be Chignik-bound (6.4% of the total Chignik-bound sockeye harvest; Table 3; Figure 6). These harvests were achieved in spite of numerous fishery closures imposed by the department because of poor Chignik sockeye salmon escapements. Set gillnet fishing activity increased from 23 permits in 1978 to 37 permits in 1982 (Appendix C9).

In 1983, an estimated 227,392 Chignik-bound sockeye salmon were harvested in the SEDM fishery (Table 3). Most of the sockeye salmon (76%) were harvested after July 10 (Shaul et al. 1983).

In 1984, set gillnet effort increased to 54 permits, of which five were operated by fishermen who were also purse seine permit holders (Appendix C9). Because of an exceptionally strong early Chignik run, and the large number of fish available in the SEDM, only six fishing days were required to harvest an estimated 60,000 Chignik-bound sockeye salmon. The SEDM fishery was closed for only three days and was reopened on June 14 when the Chignik sockeye salmon harvest reached 1,000,000 fish. In 1984, the late Chignik sockeye salmon run was weaker than predicted, and the second run escapement goal was reached only after considerable curtailment of the SEDM, Chignik, and Cape Igvak (Kodiak Management Area) fisheries during mid-July. Total 1984 SEDM harvest of Chignik-bound sockeye salmon was 423,068 sockeye, or 12.6 percent of the total Chignik-bound sockeye salmon harvest (Appendix C5).

-continued-

1985-1991

For the 1985 season, the board modified the *SEDM Management Plan* based on the *Cape Igvak Salmon Management Plan* from the Kodiak Management Area, instead of using a set fishing schedule. The board plan directed the department to manage the fishery so that the number of sockeye salmon taken in the SEDM fishery (exclusive of the Northwest Stepovak Section) approached as near as possible to 6.2% of the total Chignik-bound sockeye salmon harvest, June 1 through July 25. In the fall of 1987, the department re-evaluated the data used to calculate the allocation and determined that 6.0% was appropriate. The board changed the allocation, based on the re-evaluated data, beginning with the 1988 season.

However, before the SEDM fishery could open certain criteria had to be met. In years when a harvestable surplus for the early and late runs of Chignik River system sockeye salmon was expected to be less than 600,000 fish, no commercial salmon fishery targeting Chignik-bound sockeye salmon would be allowed in the SEDM fishery until a harvest of 300,000 sockeye salmon was achieved in the Chignik Area. After July 8, fishing in the SEDM might occur provided at least 300,000 sockeye salmon had been harvested in the Chignik Area, escapement objectives were being met, and the Chignik Area harvest was anticipated to total at least 600,000 sockeye salmon. In addition, the number of sockeye salmon taken in the SEDM fishery needed to be as near as possible to 6.0% of the total Chignik-bound sockeye salmon harvest from June 1 through July 25.

From 1985 through 1991, the harvest of Chignik-bound sockeye salmon in the SEDM, averaged 88,776 salmon, 5.5% of the total Chignik-bound sockeye salmon harvest, and ranged from 4,485 fish in 1989 to 152,714 fish in 1991 (Appendix C5).

1992-1995

The board revised the *SEDM Management Plan* prior to the 1992 season. The revised plan was in effect from 1992 through 1995, and included two significant changes:

1. The Northwest Stepovak Section to be managed on a local stock basis was reduced to include only waters of Orzinski Bay; the Stepovak Flats Section would continue to be managed on the basis of Stepovak River chum salmon stock (Appendix C2).
2. The allowable harvest of Chignik-bound sockeye salmon in the SEDM fishery (exclusive of Orzinski Bay) was increased from 6.0% to 7.0% of the total Chignik-bound sockeye salmon catch.

From 1992 to 1995, the harvest of Chignik-bound sockeye in the SEDM, averaged 113,258 salmon and 7.0% of the total Chignik-bound sockeye salmon harvest (Appendix C5).

-continued-

1996-1997

In January 1996, the board made the following changes to the *SEDM Management Plan*:

1. The area to be managed for local Orzinski Lake sockeye salmon increased to include Orzinski Bay and the entire Northwest Stepovak Section (Appendix C2). Prior to July 1, the entire Northwest Stepovak Section was managed on an allocation based on the strength of the Chignik sockeye salmon runs as described in 5 AAC 09.360(a)(1) and (b)-(h). Beginning July 1, Northwest Stepovak Section would be managed entirely on local stocks. Stepovak Flats would continue to be managed on the basis of the Stepovak River chum salmon stocks.
2. The percentage of Chignik-bound sockeye salmon allocated to the SEDM fishery was decreased from 7.0% to 6.0% of the total Chignik-bound sockeye salmon harvest from June 1 through July 25. This board action was taken in an attempt to maintain traditional harvest levels of Chignik-bound sockeye salmon in the SEDM fishery and to compensate for the increased area managed for local Orzinski Lake sockeye salmon.
3. The board established a closed waters area encompassing Kupreanof Point, as described in 5 AAC 09.350(37), from July 6 through at least August 31 (Jackson and Poetter 2006).

1998-2006

In January 1998, the board made the following changes to the *SEDM Management Plan*:

1. Prior to July 1, the SEDM (Appendix C2) is managed on an allocation based on the strength of the Chignik Area sockeye salmon runs as described in 5 AAC 09.360 and 80% of the sockeye salmon caught are considered Chignik-bound. However, beginning July 1, all sockeye salmon caught in NWSS are considered local fish and are not counted toward the allocation. The NWSS, outside Orzinski Bay, may open to commercial salmon fishing during July 1-July 25 if Orzinski Lake sockeye salmon interim escapement objectives are being met, and the CMA sockeye salmon harvest is expected to be more than 600,000 fish through July 25. The board mandated fishing schedule for NWSS, excluding Orzinski Bay from July 1-July 25, cannot exceed four days during a seven-day period. The maximum number of consecutive fishing days allowed is two (Figure 8 in Jackson and Poetter 2007).
2. Beginning July 1, the NWSS is managed entirely on local stocks. All sockeye salmon harvested in the NWSS after July 1 are considered to be from Orzinski Lake stocks. The Stepovak Flats Section is managed for chum salmon returning to local streams throughout the entire season. However, 80% of the sockeye salmon caught in the Stepovak Flats Section through July 25 are considered Chignik-bound fish (Figure 7 in Jackson and Poetter 2006).
3. The board allocated 6% of the total Chignik-bound sockeye salmon harvest from June 1 through July 25 to the SEDM fishery.

-continued-

4. The board directed the department to consider an extension of the Kupreanof Point closed waters area, as described in 5 AAC 09.350(37), by emergency order (Figure 7 in Jackson and Poetter 2006). The Kupreanof Point closed waters extension remains in effect through October 31 if waters specified in 5 AAC 15.350(20) are closed to conserve coho salmon in the CMA.
5. Orzinski Bay may open to purse seine gear prior to July 11 if the department determines the interim escapement objectives have been exceeded (Appendix C13).

The total Chignik-bound sockeye salmon harvest from June 1 through July 25 is calculated by adding 100% of CMA sockeye salmon harvest, 90% of Cape Igvak Section (KMA) and 80% of SEDM sockeye salmon harvests from June 1-July 25, excluding 100% of the sockeye salmon caught within the NWSS from July 1-25.

2007-Present

In January 2007, the board made the following changes to the *SEDM Management Plan* 5 AAC 09.360:

1. The percentage of Chignik-bound sockeye salmon allocated to the SEDM fishery was changed from 6% to 7.6% of the total number of sockeye salmon harvested in the CMA from June 1 through July 25, and Cape Igvak is no longer contributing to the allocation.
 2. If the Orzinski Lake escapement met or exceeded 25,000 sockeye salmon, the NWSS and Orzinski Bay may be opened concurrently as follows:
 - (A) set gillnet gear may be operated continuously until MIDNIGHT July 25, and
 - (B) purse seine and hand purse seine gear will be operated as specified in 5 AAC 09.360(e)(1).
 3. From July 26 through September 30, the fishery is managed for local sockeye, pink, chum, and coho salmon stocks.
 4. From July 26 through September 30, the fishery will be closed for at least one 36-hour period within a seven-day period.
-

Appendix C4.–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 1964-2009.

Year	Southeastern District						Total
	Chignik Area ^a		Cape Igvak ^a		Mainland Area ^a		
	Harvest	Percent	Harvest	Percent	Harvest	Percent	
1964 ^b	556,890	90.6	14,980	2.4	43,021	7.0	614,891
1965 ^b	599,553	89.9	11,021	1.7	56,020	8.4	666,594
1966 ^b	219,794	88.0	18,003	7.2	12,011	4.8	249,808
1967 ^b	462,000	91.5	23,014	4.6	20,021	4.0	505,035
1968 ^b	977,382	82.5	135,951	11.5	70,959	6.0	1,184,292
1969 ^b	394,135	79.0	97,982	19.6	7,013	1.4	499,130
1970 ^{bc}	1,314,052	72.5	434,394	23.8	68,181	3.7	1,816,627
1971 ^b	750,206	80.3	197,614	15.6	51,272	4.1	999,092
1972 ^b	256,204	88.0	33,865	7.9	17,752	4.1	307,821
1973	769,258	89.0	57,348	6.6	37,983	4.4	864,589
1974 ^d	530,278	73.6	122,071	16.9	68,029	9.4	720,378
1975 ^d	115,984	81.8	23,635	16.7	2,205	1.6	141,824
1976 ^d	792,024	83.0	117,926	12.4	44,730	4.7	954,680
1977 ^d	1,547,285	90.4	128,852	7.5	35,502	2.1	1,711,639
1978 ^{e,f}	1,454,389	85.5	225,014	13.2	22,064	1.3	1,701,467
1979 ^g	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 ^h	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 ⁱ	1,962,583	80.4	324,329	13.3	152,714	6.3	2,439,626
1992 ^j	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 ^k	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 ^l	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 ^{mn}	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 ^o	1,134,991	79.4	215,214	15.1	79,037	5.5	1,429,242
2002 ^p	849,980	81.0	136,448	13.0	63,026	6.0	1,049,454

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Year	Southeastern District						Total
	Chignik Area ^a		Cape Igvak ^a		Mainland Area ^a		
	Harvest	Percent	Harvest	Percent	Harvest	Percent	
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 ^q	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	100.0	126,968	12.1	48,322	5.5	1,047,180
Averages							
1979-1984	1,374,468	82.3	205,148	9.4	159,394	8.3	1,739,010
1985-1991	1,163,765	85.6	153,672	8.9	88,776	5.5	1,406,213
1992-1996	1,383,375	79.8	235,697	13.4	116,047	6.8	1,735,119
2000-2009	878,852	84.9	140,121	11.5	65,912	5.4	1,084,885
2007-2009	639,434	97.3	59,832	6.7	16,107	1.8	715,373

^a 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).

^b Data from 1964-1972 are based on total yearly catches. Prior to 1974, Cape Igvak and Southeastern District Mainland fisheries were set by regulation to weekly fishing periods, usually five days per week. Time modifications were implemented when poor escapements occurred at Chignik.

^c Catches since 1970 were updated using historical electronic fish ticket databases.

^d During 1974-1977 all three fisheries were managed on a day by day basis.

^e 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.

^f Beginning in 1978, seining prior to July 11 was disallowed in SEDM. Set gillnet fishermen were allowed to fish three days per week through July 10, after which the fishery was managed on the basis of local stocks.

^g During 1979-1984 and prior to July 11, fishing was allowed five 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.

^h 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.

ⁱ 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).

^j 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.

^k 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).

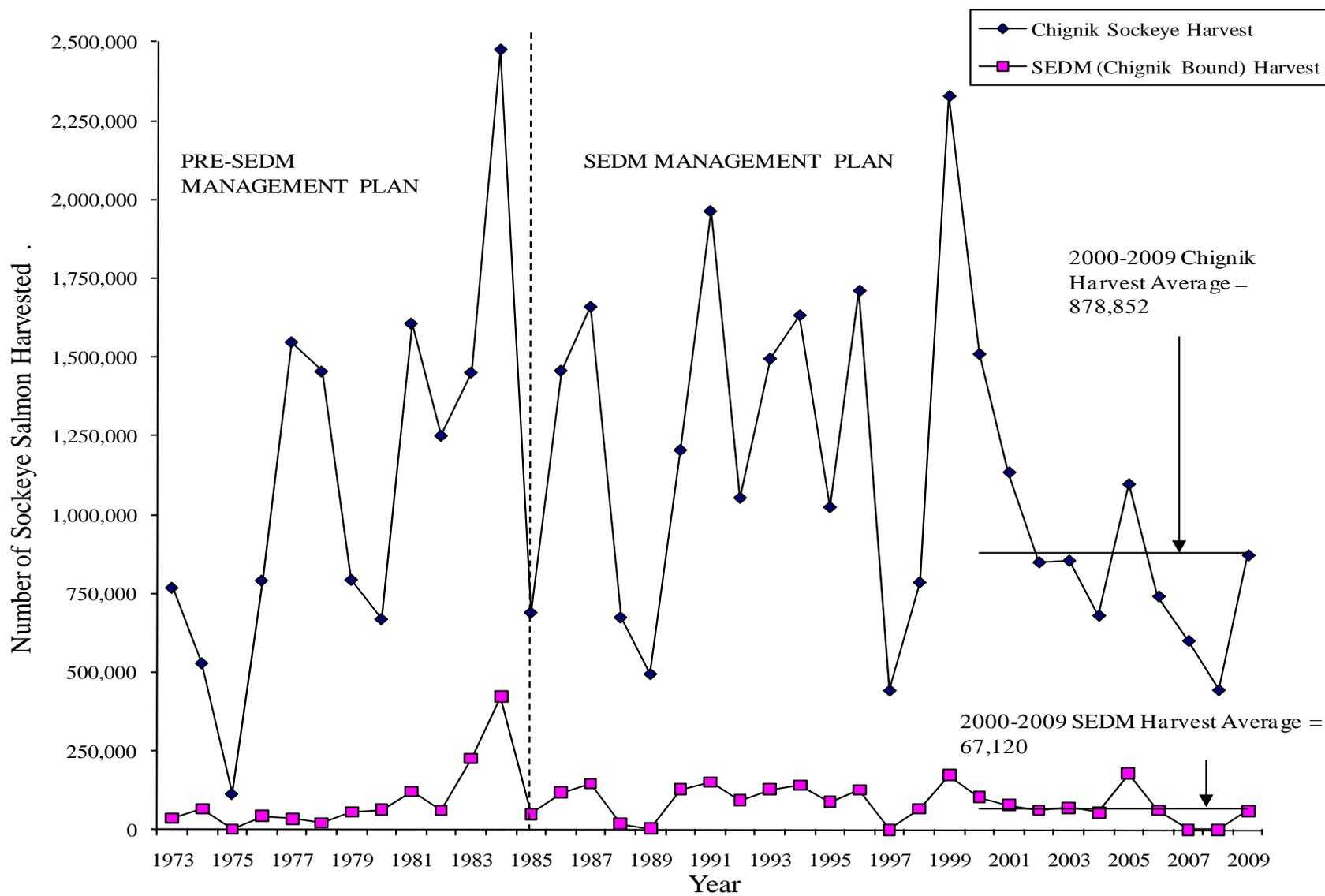
^l In 1996, the area to be managed for local Orzinski Lake sockeye salmon was increased from only Orzinski Bay to the entire Northwest Stepovak Section. Prior to July 1, the entire Northwest Stepovak Section will be managed on an allocation based on the strength of Chignik sockeye salmon runs. Beginning 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.

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- ^m 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.
- ⁿ 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).
- ^o 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).
- ^p Beginning in 2002, the percent of sockeye salmon harvested in Cape Igvak Section considered to be Chignik-bound was increased from 80% to 90%.
- ^q 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 C5.—Harvest comparison of Chignik-bound sockeye salmon June 1 through July 25, 1973-2009.

611



◆ Chignik Sockeye Harvest
 ■ SEDM (Chignik Bound) Harvest

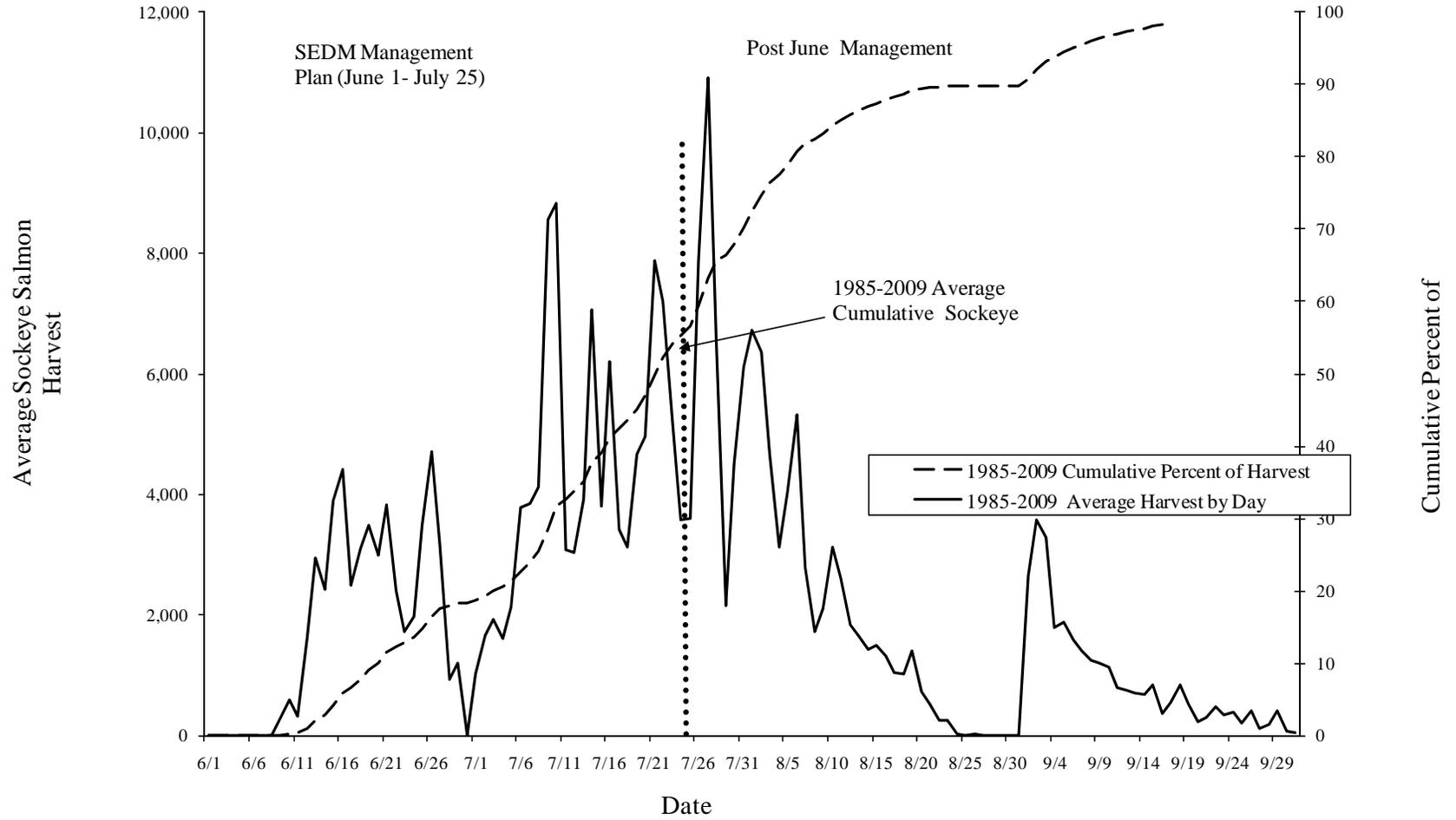
PRE-SEDM
 MANAGEMENT PLAN

SEDM MANAGEMENT PLAN

2000-2009 Chignik
 Harvest Average =
 878,852

2000-2009 SEDM Harvest Average =
 67,120

Appendix C6.—SEDM average sockeye salmon harvest and cumulative percent of harvest by date, 1985-2009.



Appendix C7.–Southeastern District Mainland salmon harvest by species, all gear combined, June 1-July 25, 1970-2009.

Year	Permits	Landings	Number of Salmon					Total
			Chinook	Sockeye	Coho	Pink	Chum	
1970	27	288	32	84,603	183	21,836	16,244	122,898
1971	33	294	94	63,366	92	18,741	18,206	100,499
1972	23	180	34	21,105	85	5,762	9,735	36,721
1973	18	171	17	47,579	231	4,503	5,236	57,566
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 ^a								
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
Averages								
2000-2009	52	629	187	140,181	3,178	91,366	15,898	250,811
2005-2009	38	334	55	101,220	2,268	96,766	8,932	209,241
2007-2009	30	347	50	61,145	835	31,312	7,256	100,597

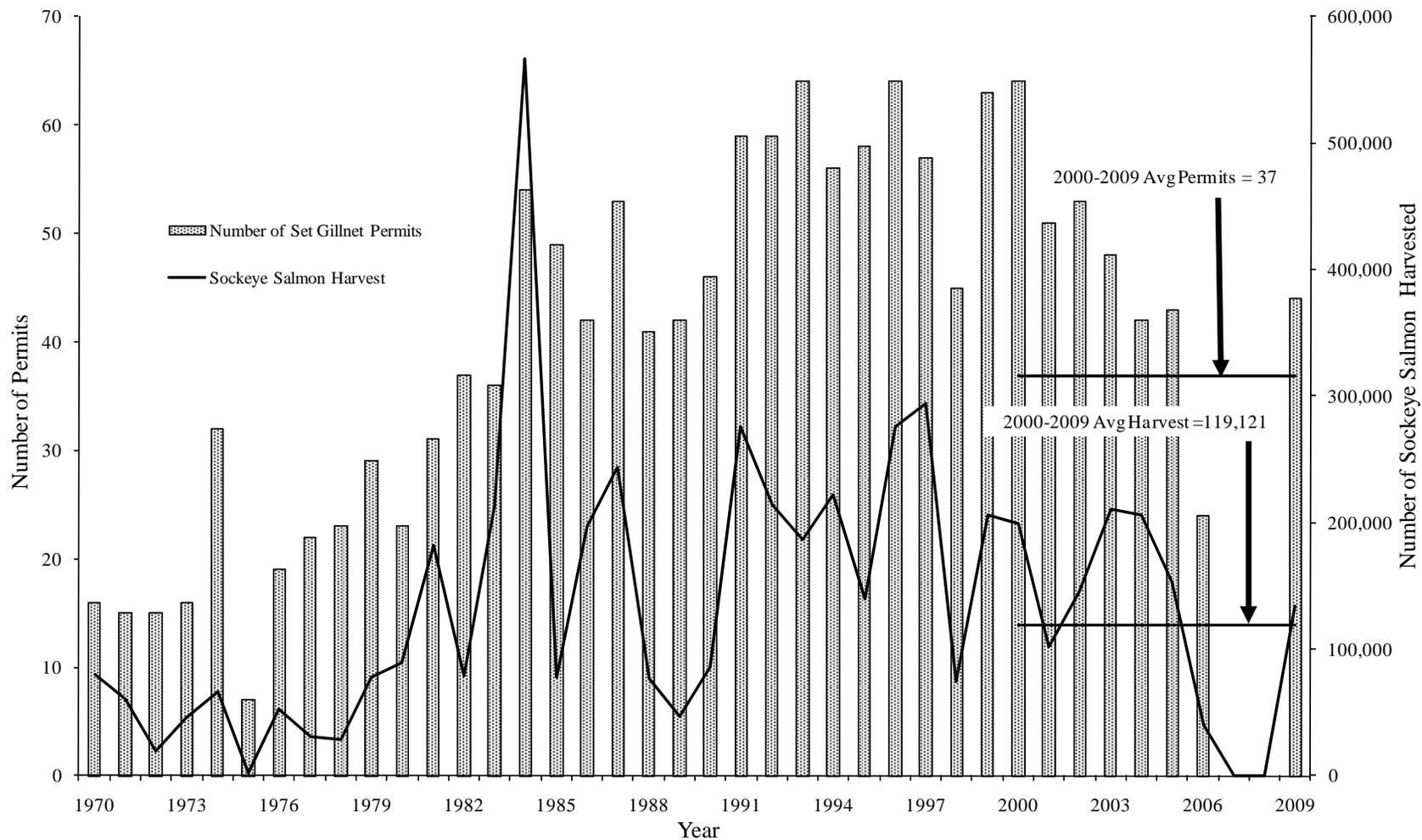
^a No Fishery.

Appendix C8.–Southeastern District Mainland salmon harvest by species, set gillnet gear, June 1-July 25, 1970-2009.

Year	Permits	Landings	Number of Salmon					Total
			Chinook	Sockeye	Coho	Pink	Chum	
1970	18	258	22	80,692	156	6,112	12,447	99,429
1971	15	255	74	60,767	56	1,000	8,442	70,339
1972	15	160	28	19,491	81	2,001	5,456	27,057
1973	16	162	10	46,603	94	1,850	3,938	52,495
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 ^a								
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
Averages								
2000-2009	40	609	156	122,207	1,684	37,489	12,596	174,132
2005-2009	28	315	31	71,443	596	18,031	5,273	95,374
2007-2009	24	333	31	54,796	546	17,131	5,741	78,245

^a No Fishery.

Appendix C9.—Set gillnet effort and sockeye salmon harvests in the Southeastern District Mainland fishery, June 1 through July 25, 1970-2009.



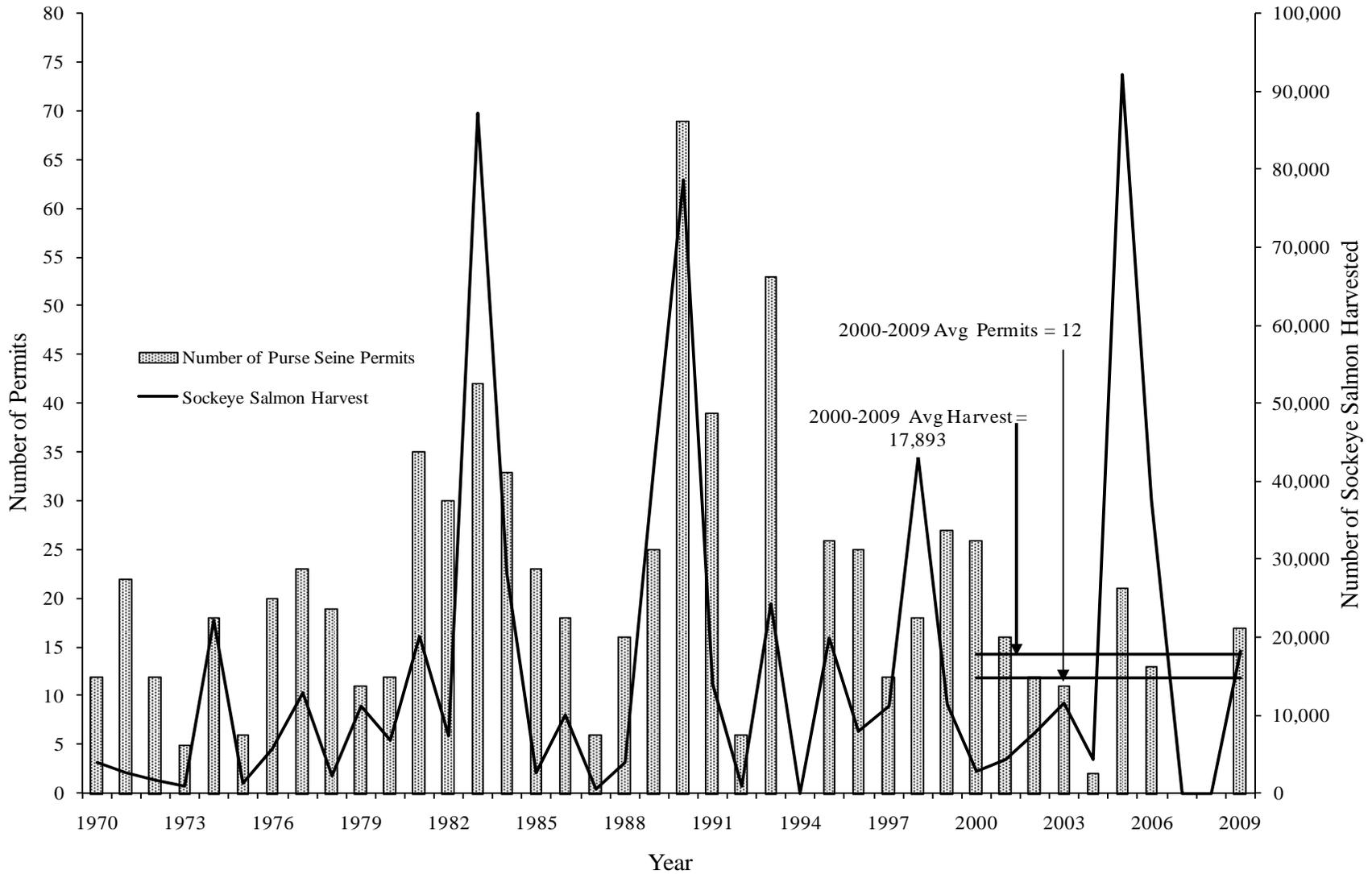
Appendix C10.–Southeastern District Mainland salmon harvest by species, purse seine gear, June 1-July 25, 1970-2009.

Year	Permits	Landings	Number of Salmon					Total
			Chinook	Sockeye	Coho	Pink	Chum	
1970	13	29	10	3,911	27	13,679	3,730	21,357
1971	24	39	20	2,599	36	17,741	9,764	30,160
1972	12	21	6	1,614	4	3,761	4,279	9,664
1973	5	9	7	976	137	2,653	1,298	5,071
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 ^a								
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 ^b								
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 ^a								
2008 ^b	1	3	0	808	0	5,571	67	6,446
2009	17	41	13	18,239	865	36,973	4,479	60,569
Averages								
2000-2009	12	20	27	17,973	1,494	53,877	3,303	76,674
2005-2009	10	19	15	29,777	1,672	78,734	3,659	113,858
2007-2009	6	15	4	6,349	288	14,181	1,515	22,338

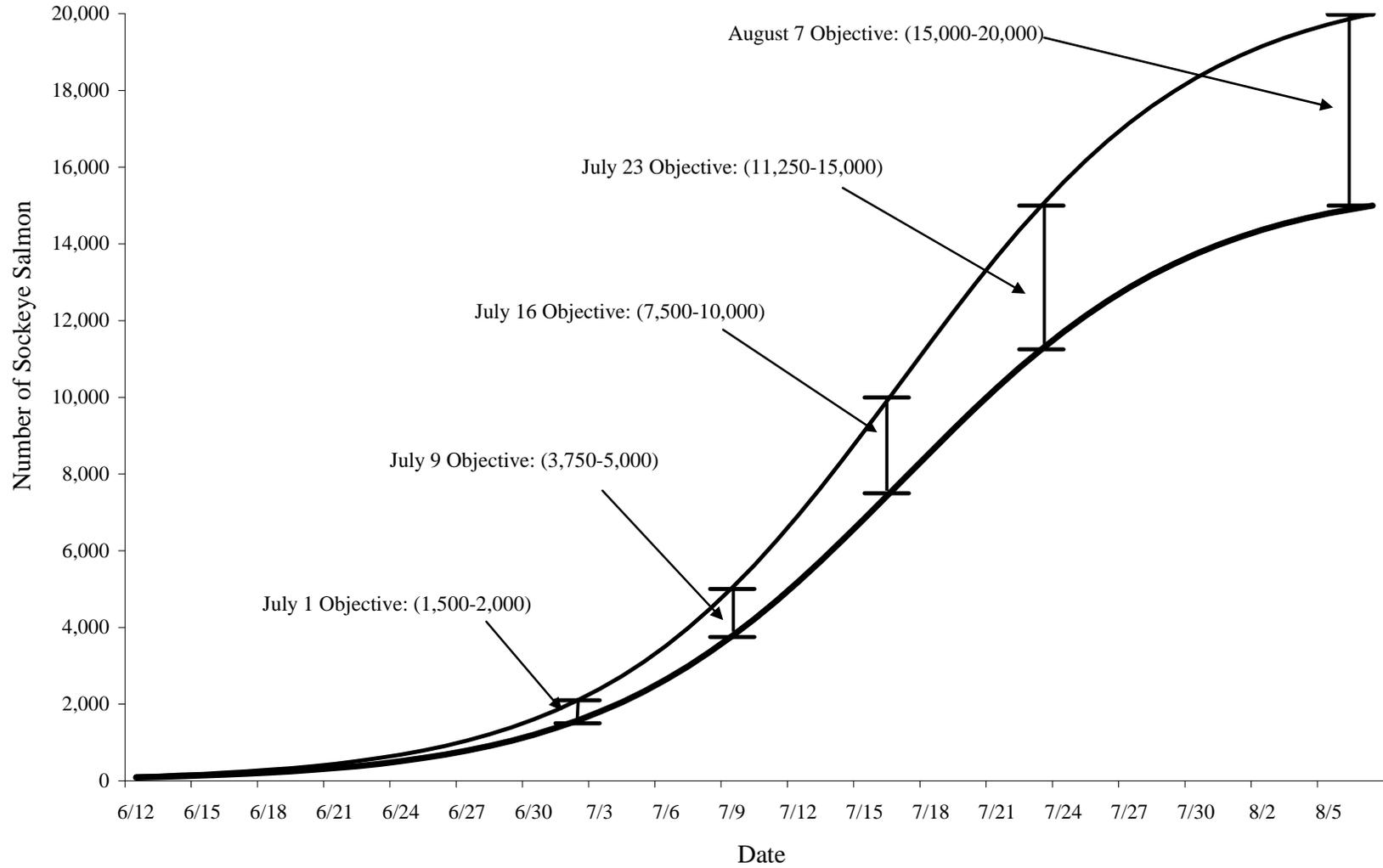
^a No Fishery.

^b Numbers may not be released due to state confidentiality requirements.

Appendix C11.—Purse seine effort and sockeye salmon harvest in Southeastern District Mainland, by year, 1970-2009.



Appendix C12.—Orzinski Lake interim sockeye salmon escapement objectives by date.



Appendix C13.—Orzinski Lake sockeye salmon daily escapement by year, 1995-2009.

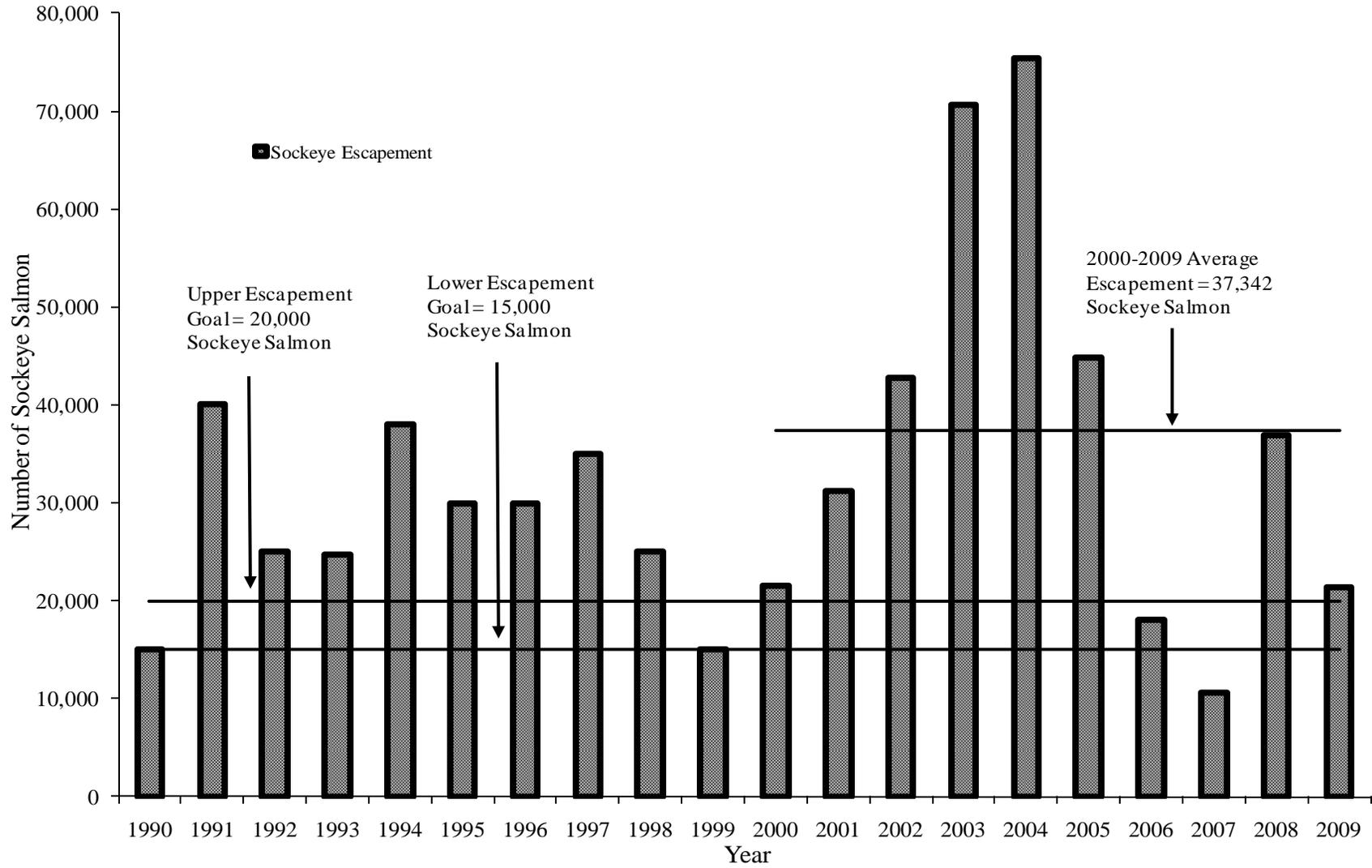
Date	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	Average	Average
																2000-2009	2005-2009
8-Jun	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
9-Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10-Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11-Jun	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0
12-Jun	0	3	0	0	0	0	0	4	2	13	0	0	0	0	0	2	0
13-Jun	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
14-Jun	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
15-Jun	0	8	0	0	0	1	18	0	0	18	0	0	0	0	0	4	0
16-Jun	3	0	12	0	2	4	18	0	2	14	0	0	0	0	0	4	0
17-Jun	0	0	17	0	0	44	22	0	0	1	5	0	1	14	52	14	14
18-Jun	3	0	0	11	3	44	53	2	27	86	15	0	5	23	49	30	18
19-Jun	11	0	8	0	2	22	22	1	0	373	0	0	0	0	43	46	9
20-Jun	28	2	0	14	5	40	66	225	359	22	0	0	3	5	20	74	6
21-Jun	28	3	20	8	10	30	5	286	41	172	1	3	7	0	57	60	14
22-Jun	111	0	17	0	10	3	892	49	4	34	0	34	20	20	8	106	16
23-Jun	63	20	128	14	5	2	202	95	9	96	0	4	19	33	1,376	184	286
24-Jun	17	0	8	43	9	229	0	1,283	10	145	2	1	3	4	42	172	10
25-Jun	5	131	0	0	36	445	0	1,797	79	1,202	14	0	33	0	13	358	12
26-Jun	9	593	8	105	34	5	0	790	300	2,649	1	0	104	0	456	431	112
27-Jun	32	581	16	820	86	69	1,190	0	7	392	0	0	31	4	11	170	9
28-Jun	595	218	877	235	21	1,150	225	2,765	10	4,001	0	8	0	37	1,048	924	219
29-Jun	65	178	70	22	43	801	0	84	0	919	5	4	81	784	4,330	701	1,041
30-Jun	32	628	86	177	1	10	4,175	1,823	2	8,014	43	0	31	573	769	1,544	283
1-Jul	24	2,985	33	586	276	6,488	691	2,711	13,451	6,942	1	1	28	4,933	1,171	3,642	1,227
2-Jul	30	1,020	59	2,381	4	963	722	329	8,131	1,071	70	85	9	749	52	1,218	193
3-Jul	1	3,249	1,738	264	65	191	1,612	1,469	5,778	1,189	46	3	0	277	654	1,122	196
4-Jul	1,214	3,165	3,050	58	194	161	46	618	3,002	2,112	987	2	0	68	299	730	271
5-Jul	110	282	10	79	252	402	0	2,136	535	1,167	674	30	4	0	511	546	244
6-Jul	4,789	425	5,208	62	34	475	409	1,265	1,203	808	7	18	3	0	609	480	127
7-Jul	128	205	2,504	191	112	592	461	82	4,176	1,860	2	36	0	1,593	261	906	378
8-Jul	32	256	246	0	23	660	1,384	419	2,057	3,033	260	619	166	1,231	61	989	467
9-Jul	5,282	617	378	1,135	1,289	384	2,463	703	1,172	2,745	4	1,054	153	8,832	613	1,812	2,131
10-Jul	1,436	637	305	1,092	89	95	221	1,339	1,867	1,281	1	21	33	1,956	256	707	453
11-Jul	1,692	1,167	57	7	1,110	118	252	0	932	796	60	9	38	890	143	324	228
12-Jul	2,942	194	99	2,402	846	20	434	3,614	3,058	993	1,946	0	88	1,479	1,096	1,273	922

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Appendix C14.–Page 2 of 2.

Date	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	Average 2000-2009	Average 2005-2009
13-Jul	513	215	135	435	1,289	154	105	1,379	448	1,102	1	7	125	720	1,650	569	501
14-Jul	101	333	36	1,246	840	105	892	633	993	652	0	23	36	1,180	138	465	275
15-Jul	612	131	1,208	457	556	698	1,749	1,110	889	1,438	79	42	66	648	398	712	247
16-Jul	644	343	964	676	334	492	816	791	1,067	1,531	1,534	1,617	50	296	60	825	711
17-Jul	1,208	860	348	97	367	6	595	553	813	2,148	273	0	3	398	543	533	243
18-Jul	4	720	1,449	5	814	698	1,264	927	1,897	1,473	350	20	92	212	254	719	186
19-Jul	265	689	1,251	946	29	210	332	1,069	1,289	1,367	1,575	58	0	636	167	670	487
20-Jul	225	1,837	1,052	482	175	34	105	396	519	875	3,046	497	15	441	49	598	810
21-Jul	193	511	1,741	237	123	3	114	1,733	2,662	616	1,429	25	100	1,205	631	852	678
22-Jul	353	95	1,275	759	166	301	316	84	344	677	2,016	421	167	956	1,013	630	915
23-Jul	839	77	332	902	247	642	291	271	925	1,169	8,974	10	25	464	116	1,289	1,918
24-Jul	184	312	9	1,167	571	148	76	826	295	2,832	9,200	42	581	1,328	78	1,541	2,246
25-Jul	84	305	44	719	446	87	510	835	853	2,037	780	0	82	1,222	110	652	439
26-Jul		24	140	544	443	59	526	472	475	1,674	1,456	10	406	357	94	553	465
27-Jul		211		500	656	1,001	1,716	254	493	786	1,716	10	768	340	334	742	634
28-Jul		513		670	102	46	932	330	239	947	453	0	200	230	553	393	287
29-Jul				1,232	484	45	224	312	727	1,332	731	18	85	688	137	430	332
30-Jul				392	376	83	313	1,370	583	692	347	21	77	264	114	386	165
31-Jul				22		299	522	45	302	899	1,317	204	127	126	71	391	369
1-Aug						684	113		176			185	1,671	435	138	486	607
2-Aug						122						1,582	107	30	621	492	585
3-Aug						87						0	43	188	188	101	105
4-Aug												23	171	305		166	166
5-Aug												0	915	19		311	311
6-Aug													845	63		454	454
7-Aug													5	199		102	102
8-Aug													1,169	76		623	623
9-Aug													337	55		196	196
10-Aug													836	50		443	443
11-Aug													469	71		270	270
12-Aug													99	132		116	116
13-Aug													111			111	111
Total weir escapement	23,907	23,744	24,938	21,194	12,579	19,452	27,095	37,279	62,207	66,396	39,421	6,747	10,643	36,839	21,457	32,754	23,021
Post weir estimate	6,093	6,256	10,062	3,806	2,421	2,048	4,105	5,570	8,483	9,054	5,376	11,253				6,556	8,314
Total estimated escapement	30,000	30,000	35,000	25,000	15,000	21,500	31,200	42,849	70,690	75,450	44,797	18,000	10,643	36,839	21,457	37,342	26,347

Appendix C14.—Orzinski Lake sockeye salmon escapement 1995-2009.



Appendix C15.–Northwest Stepovak Section commercial salmon harvest, all gear combined, by species and day, July 1 through July 25, 2009.

Date	Permits	Landings	Number of salmon				
			Chinook	Sockeye	Coho	Pink	Chum
1-Jul	18	28	0	10,935	1	96	123
2-Jul	16	23	6	7,124	5	98	91
3-Jul	4	16	1	2,969	0	28	4
4-Jul	4	11	0	2,096	0	65	3
5-Jul	15	28	2	5,896	7	323	37
6-Jul	17	44	9	10,148	29	1,099	339
7-Jul	20	33	3	5,747	3	1,948	134
8-Jul	6	8	1	1,717	1	594	9
9-Jul	13	25	4	5,855	26	1,009	186
10-Jul	15	31	2	6,190	7	814	202
11-Jul	17	24	6	4,098	34	665	214
12-Jul	4	5	1	1,715	4	103	23
13-Jul	12	16	0	3,444	14	294	257
14-Jul	14	28	3	3,519	9	433	396
15-Jul	16	21	1	1,604	4	384	135
16-Jul	6	8	1	1,026	0	62	12
17-Jul	20	27	0	4,965	20	569	425
18-Jul	22	38	3	5,746	11	978	437
19-Jul	12	14	0	1,475	4	280	139
20-Jul ^a							
21-Jul	7	8	1	1,179	1	286	135
22-Jul	7	13	1	1,690	1	930	287
23-Jul	4	4	0	280	1	122	68
24-Jul	3	7	0	501	1	194	10
25-Jul	6	7	0	1,174	1	485	177
Total	38	469	45	91,363	184	11,887	3,845

^a Confidential information.

Appendix C16.--Southeastern District Mainland commercial fishing effort and assignment of sockeye salmon harvests (number of fish) June 1 through July 25, 1985-2009.

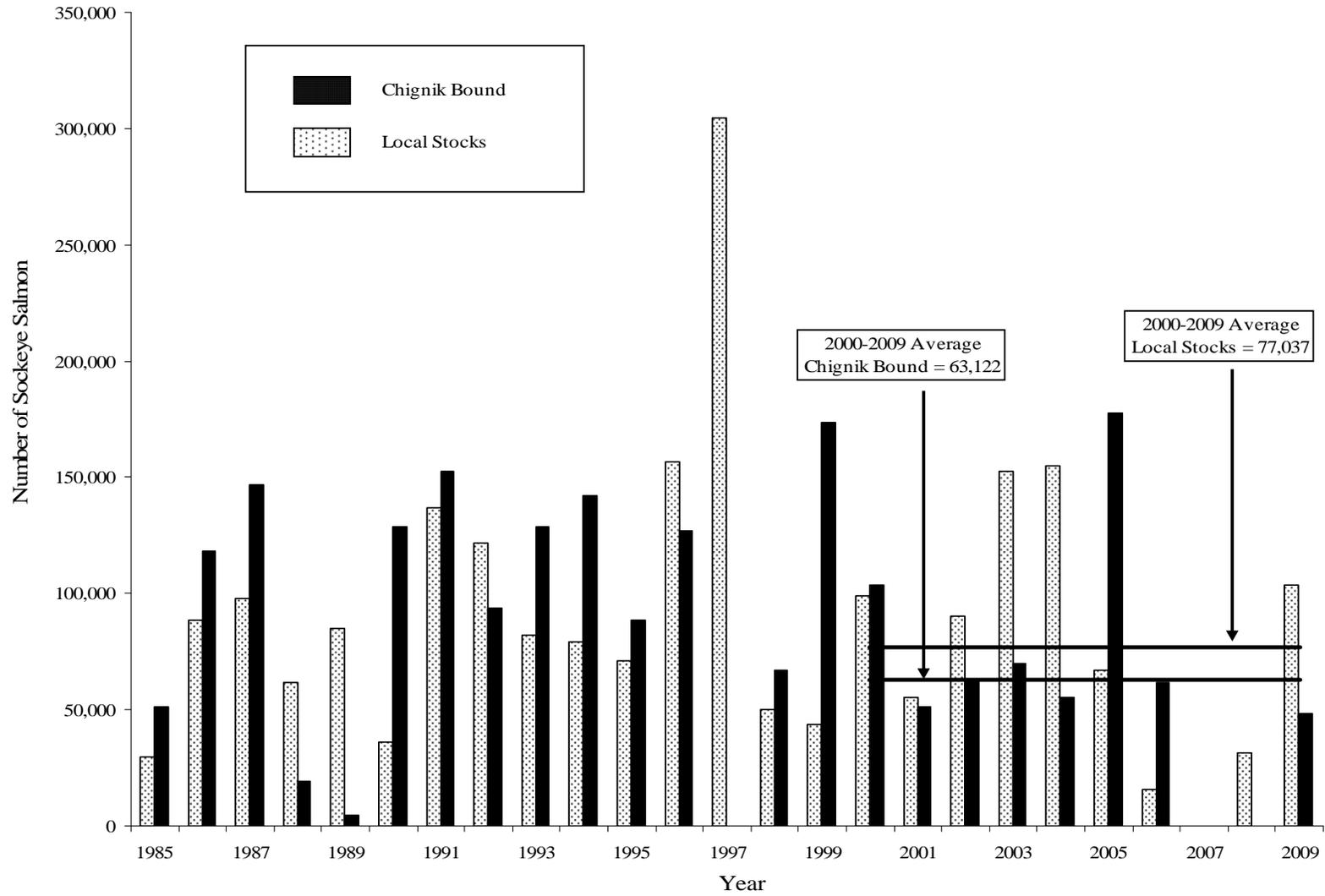
Year	Effort				Northwest Stepovak			SEDM minus Northwest Stepovak		SEDM		Total Catch
	Set gillnet		Seine		Total	"Local"	"Non-local"	"Local"	"Non-local"	"Local"	"Non-local"	
	Permits	Landings	Permits	Landings								
1985 ^a	49	367	23	51	16,681	16,681	0	12,855	51,421	29,536	51,421	80,957
1986	42	616	18	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	59	650	6	14	113,430	101,198	12,232	20,403	81,613	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	77,426	71,079	88,301	159,380
1996 ^c	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
Average:												
1985-1991	47	440	28	56	54,248	54,248	0	22,260	88,776	76,507	88,776	165,283
1992-1995	59	702	21	32	84,824	65,189	19,635	23,406	93,623	88,594	113,258	201,852
1996-1997	61	1,169	19	35	221,395	216,255	5,140	14,615	58,461	230,870	63,601	294,471
2000-2009	40	609	12	20	69,171	62,840	6,331	14,198	56,791	77,037	63,122	140,160

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- ^a 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.
 - ^b 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.
 - ^c 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.
 - ^d No Fishery.
-

Appendix C17.—Harvest of sockeye salmon considered Chignik-bound, and local stocks in the Southeastern District Mainland fishery, June 1 through July 25, 1985-2009.



Appendix C18.—Southeastern District Mainland commercial salmon harvest, all gear combined, by species and day, 2009.

Date	Permits	Landings	Number of Salmon					Total
			Chinook	Sockeye	Coho	Pink	Chum	
1-Jul	18	28	0	10935	1	96	123	11,155
2-Jul	16	23	6	7124	5	98	91	7,324
3-Jul	4	16	1	2,969	0	28	4	3,002
4-Jul	4	11	0	2,096	0	65	3	2,164
5-Jul	15	28	2	5,896	7	323	37	6,265
6-Jul	17	44	9	10,148	29	1,099	339	11,624
7-Jul	20	33	3	5,747	3	1,948	134	7,835
8-Jul	6	8	1	1,717	1	594	9	2,322
9-Jul	37	71	16	14,387	323	2,795	1,025	18,546
10-Jul	37	78	14	13,006	102	1,720	873	15,715
11-Jul	17	24	6	4,098	34	665	214	5,017
12-Jul	4	5	1	1,715	4	103	23	1,846
13-Jul	35	47	17	12,002	150	2,030	1,353	15,552
14-Jul	51	86	25	25,348	539	24,991	3,833	54,736
15-Jul	16	21	1	1,604	4	384	135	2,128
16-Jul	6	8	1	1,026	0	62	12	1,101
17-Jul	20	27	0	4,965	20	569	425	5,979
18-Jul	22	38	3	5,746	11	978	437	7,175
19-Jul	12	14	0	1,475	4	280	139	1,898
20-Jul ^a								
21-Jul	7	8	1	1,179	1	286	135	1,602
22-Jul	7	13	1	1,690	1	930	287	2,909
23-Jul	21	26	2	1,939	157	4,090	1,995	8,183
24-Jul	23	40	9	6,018	478	6,142	1,414	14,061
25-Jul	21	43	1	8,665	125	9,495	2,588	20,874
26-Jul	32	53	5	8,458	581	31,654	4,559	45,257
27-Jul	16	23	0	3,655	46	2,573	2,619	8,893
28-Jul	18	28	1	7,609	1,050	30,928	7,923	47,511
29-Jul	21	39	2	11,178	386	42,544	7,379	61,489
30-Jul	27	49	0	6,244	349	36,155	6,672	49,420
31-Jul	30	48	3	6,957	311	37,250	6,186	50,707
4-Aug	26	31	1	4,135	845	55,262	9,964	70,207
5-Aug	29	47	9	7,709	1,084	65,954	12,583	87,339
10-Aug	27	33	1	1,374	446	92,893	9,071	103,785
11-Aug	29	48	1	3,132	562	104,291	16,906	124,892

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Date	Permits	Landings	Number of Salmon					Total
			Chinook	Sockeye	Coho	Pink	Chum	
14-Aug	21	26	0	2,119	245	35,152	6,629	44,145
15-Aug	23	37	4	4,496	647	87,541	11,039	103,727
18-Aug	18	27	1	2,465	298	35,802	2,927	41,493
19-Aug	18	28	1	3,586	574	45,473	7,271	56,905
20-Aug	16	24	0	3,925	731	48,410	5,423	58,489
21-Aug	13	21	0	2,702	603	38,609	5,879	47,793
22-Aug	10	13	0	1,669	220	10,846	7,347	20,082
23-Aug	8	8	0	1,564	278	1,347	944	4,133
24-Aug ^a								
1-Sep	9	9	0	487	136	73	265	961
2-Sep	12	12	0	842	308	237	299	1,686
3-Sep	17	25	1	1,884	1,660	321	1,102	4,968
7-Sep	4	4	0	367	179	7	113	666
8-Sep	8	10	0	493	300	5	320	1,118
9-Sep	9	10	0	680	498	0	236	1,414
14-Sep ^a								
15-Sep	6	6	0	510	223	0	44	777
16-Sep	5	5	0	591	226	11,502	678	12,997
22-Sep	3	3	0	645	699	0	45	1,389
23-Sep	3	3	2	736	392	0	44	1,174
28-Sep ^a								
30-Sep	3	3	0	194	127	0	9	330
Subtotal								
June 1 - July 25		742	120	151,765	1,999	59,799	15,630	229,313
Subtotal								
July 26 - August 31		585	29	83,544	9,386	803,112	131,722	1,027,793
Subtotal								
September 1- September 30		93	3	7,674	5,017	12,145	3,208	28,047
Season Total								
		1,420	152	242,983	16,402	875,056	150,560	1,285,153

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

Before 1974, post-June South Alaska Peninsula fisheries were generally open five days per week, with a total season closure on August 10 to provide adequate local escapement and maintain product quality (McCullough 1995). During 1974 and 1975, the fishery was severely restricted to rebuild pink salmon runs. From about 1976 to 1991, the salmon fishery was managed by emergency order based on local stock run strength. Fishing periods from July 6 to about July 18 were based on chum salmon run strength, and from July 18 to about August 20 on pink salmon run strength. Fishing continued into late August during years of strong pink or chum salmon runs. Migratory salmon were also harvested during these openings, and may have contributed substantially to the total post-June harvest in some years. Before 1992, South Alaska Peninsula waters east of the Cape Lutke Section (Appendix A6) were opened to commercial salmon fishing about July 6, except in the SEDM fishery. Prior to July 26, SEDM is managed on a separate management plan (5 AAC 09.360 *Southeastern District Mainland Salmon Management Plan*). Beginning September 1, fishing periods were established by emergency order and based on local coho salmon run strength and, to a lesser degree, on chum salmon runs.

In November 1991, the board established the *Post-June Salmon Management Plan* for the South Alaska Peninsula (5 AAC 09.366). This plan allowed the harvest of local stocks through July 19 in terminal fishing areas only, which included Zachary Bay, northern portion of Pavlof Bay, and Canoe Bay, Cold Bay, Thin Point, and Morzhovoi Bay sections, closing the remainder of the South Alaska Peninsula formerly opened in July. The board decision was partially based on local pink and chum salmon could be caught in terminal areas early in the season without sacrificing product quality, while simultaneously allowing migratory salmon to pass through South Alaska Peninsula waters. After July 19, the board concluded that South Alaska Peninsula fishermen needed to harvest pink salmon in their traditional cape fishing areas to maintain product quality and to better accommodate the available processing capacity. Under this plan, commercial salmon fishing from July 6-19 was restricted to terminal fishing areas opened by emergency order, and was based on local stock run strength as determined by harvests and escapements. (Appendix D2). From July 20, through the remainder of the commercial salmon season, the entire South Alaska Peninsula could be opened to commercial salmon fishing by emergency order if warranted by local run stock strength (except in the SEDM fishery through July 25; 5 AAC 09.366)

The Stepovak-Shumagin Setnet Association sued the board in early 1992, to stop the implementation of the *Post-June Salmon Management Plan* for the South Alaska Peninsula (5 AAC 09.366). On July 10, 1992, Alaska State Superior Court Judge Hopwood (Third Judicial District, Kodiak) granted an injunction staying implementation of the new management plan. On July 13, traditional commercial salmon fishing periods resumed, and additional fishing time was provided as conditions warranted (Shaul et al. 1993).

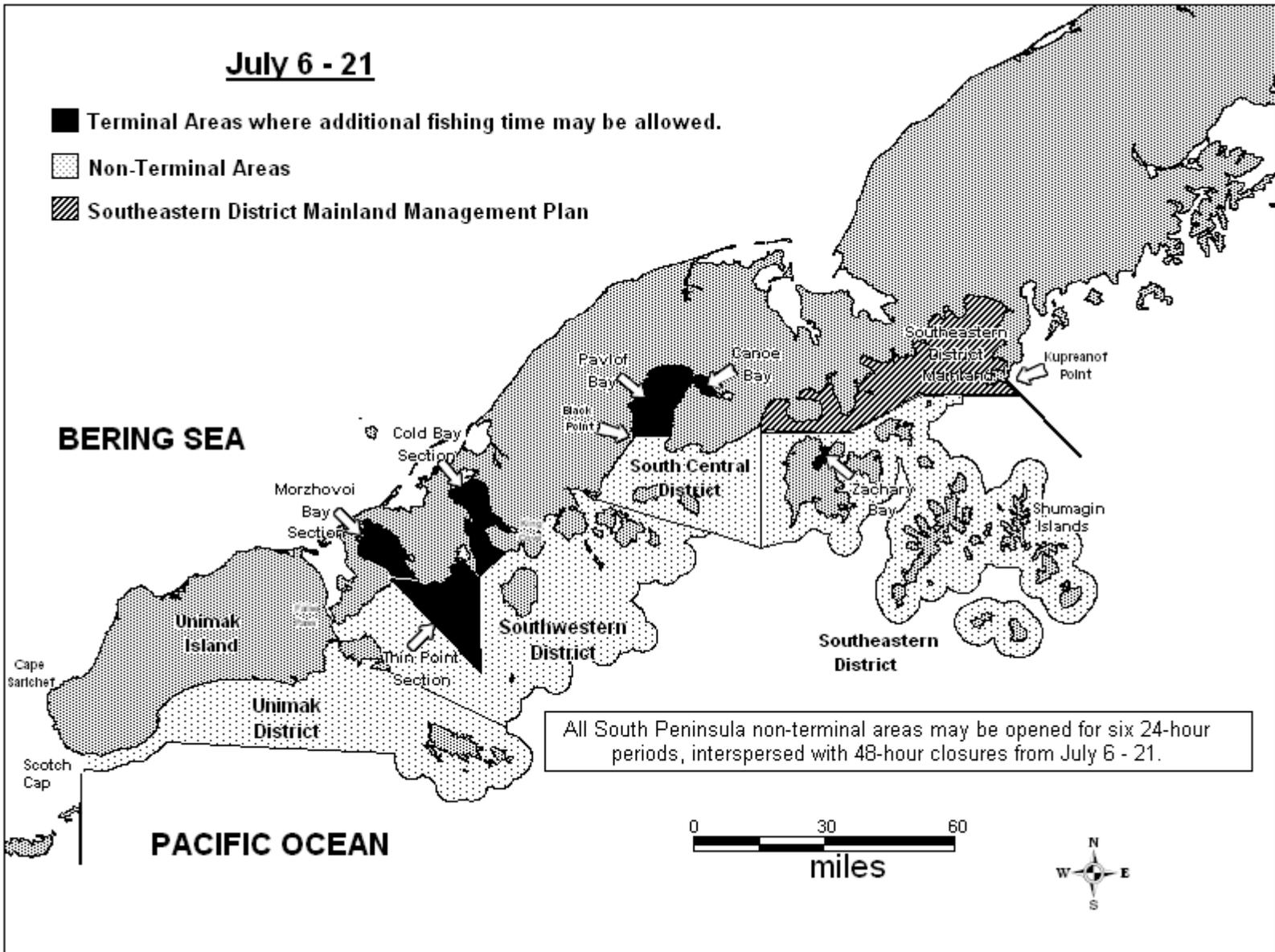
In March 1993, the Alaska State Superior Court reconsidered the 1992 injunction. After reconsideration, the court agreed with the board and the *Post-June Salmon Management Plan* was reinstated. The *Post-June South Alaska Peninsula Management Plan* was in effect from 1993 to 1997.

The board made the following changes affecting the *Post-June Management Plan* during the January 1998 meeting:

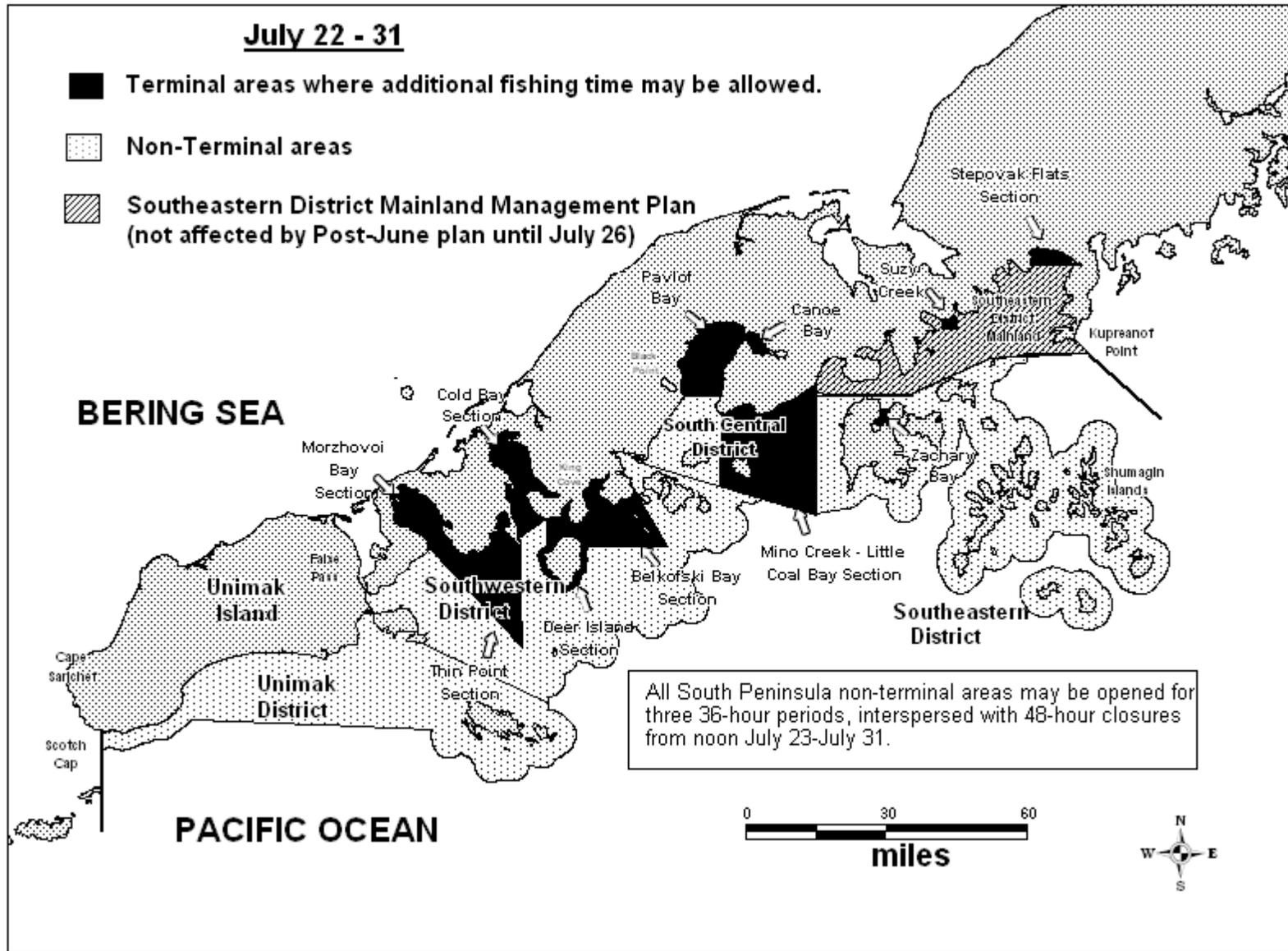
1. For the period July 6-21, the board increased non-terminal area fishing opportunities in early July. Fishing periods were limited to a maximum of 24 hours followed by a closure of at least 48 hours. Additional fishing time could be permitted in designated terminal harvest areas if escapements warranted (Appendix D2); and
2. For the period July 22-31, the board restricted continuous fishing in late July in non-terminal areas. Fishing periods in non-terminal areas were limited to 36 hours during July 22-31. Each open fishing period was followed by minimum closure of 48 hours. The board also established a 60,000 coho salmon cap in non-terminal areas during July 22-31. Additional fishing time could be permitted in designated terminal harvest areas if escapements warranted (Appendix D3).

During its 2001 meeting, the board made only minor changes to the *Post-June Salmon Management Plan* for the South Alaska Peninsula. These changes included modifying terminal harvest area boundaries and clarifying the definition of immature salmon during the department's July test fishery. For purposes of the test fishery, immature salmon were defined as those Chinook, sockeye, coho, and chum salmon that were gilled in the seine web during the test fishery.

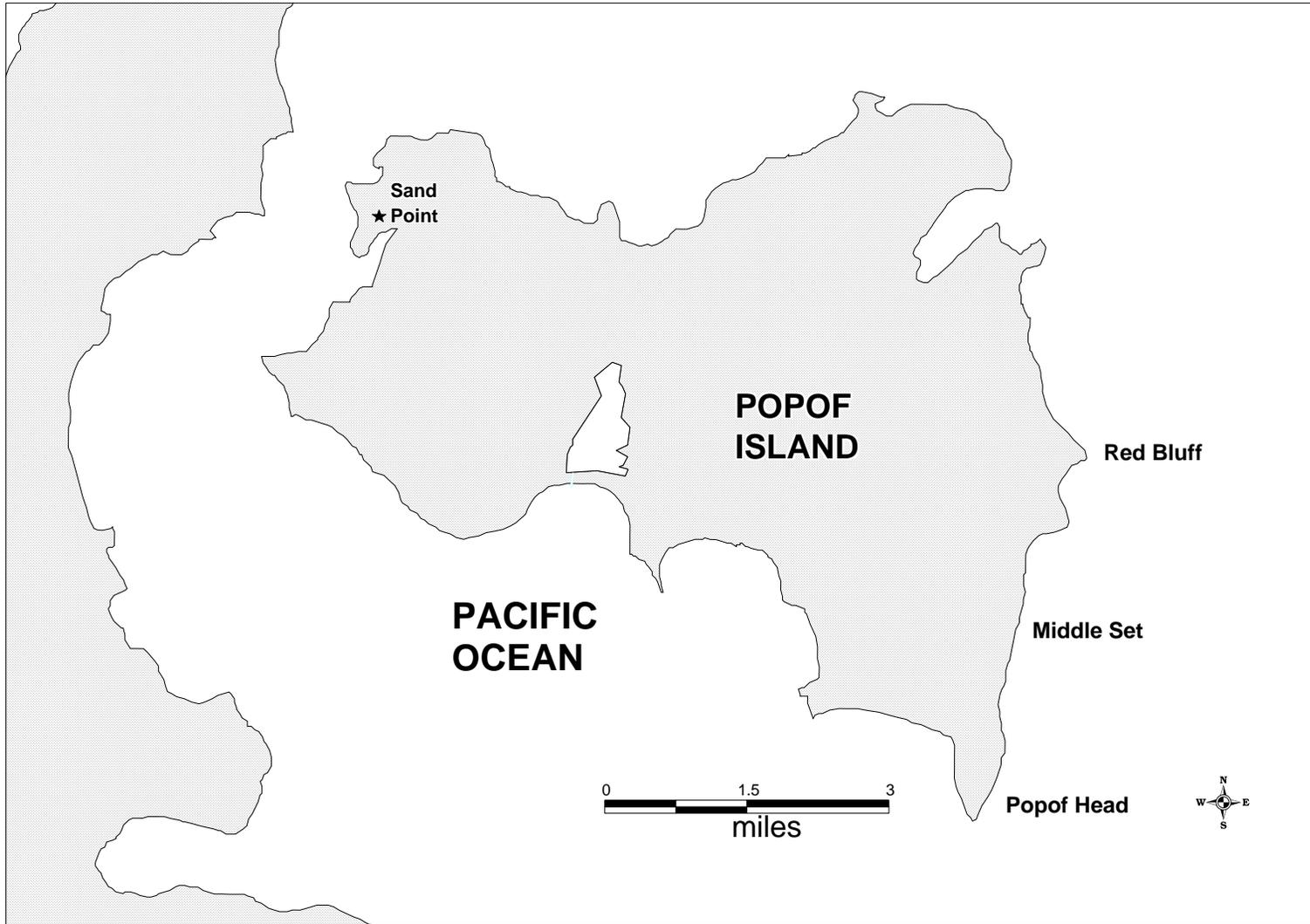
In 2004, the Board adopted few changes to the *Post-June Salmon Management Plan* for the South Alaska Peninsula. The 60,000 coho salmon cap, enacted in 1998 for non-terminal areas from July 22 through July 31, was rescinded. The board also determined that the global positioning system (GPS) would be used to determine latitude and longitude coordinates throughout all salmon fisheries in Area M. In 2007, the board did not make any changes to the *Post-June Salmon Management Plan* for the South Alaska Peninsula.



Appendix D2.—Map of the South Peninsula Post-June fishery with terminal areas defined during July 6-21.



Appendix D3.—Map of the South Peninsula Post-June fishery with terminal areas defined during July 22-31.



Appendix D4.-Map of Popof Island with test fishing sites defined.

Appendix D5.–Summary of the Shumagin Islands July salmon test fishery, 2009.

Date	Number of Sets ^a	Number of Adult Salmon						Immature Salmon				
		Chinook	Sockeye	Coho	Pink	Chum	Total	Chinook	Sockeye	Coho	Chum	Total
3-Jul	6	2	216	107	3,395	244	3,964	7	148	0	13	168
	Avg/Set	0	36	18	566	41	661	1	25	0	2	28
4-Jul	6	11	599	209	6,621	2,417	9,857	41	245	3	141	430
	Avg/Set	2	100	35	1,104	403	1,643	6.8	40.8	0.5	23.5	72
5-Jul	6	15	772	73	11,085	1,164	13,109	28	251	0	106	385
	Avg/Set	3	129	12	1,848	194	2,185	4.7	41.8	0.0	17.7	64
Total	18	28	1,587	389	21,101	3,825	26,930	76	644	3	260	983

^a 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 D6.–South Peninsula Post-June commercial salmon harvest, all gear combined, by species, July 6-21, 2009.

Date	Number of Salmon ^a					Total
	Chinook	Sockeye	Coho	Pink	Chum	
<i>Non-terminal areas, all gear combined, by day</i>						
6-Jul	135	34,448	4,206	212,723	21,751	273,263
7-Jul ^b						
8-Jul	0	185	2	33	0	220
9-Jul	277	19,932	6,829	181,287	9,409	217,734
10-Jul ^b						
11-Jul	0	270	69	450	77	866
12-Jul	92	41,039	11,198	111,473	13,663	177,465
13-Jul ^b						
14-Jul	8	224	399	603	147	1,381
15-Jul	92	25,194	35,995	100,374	12,575	174,230
16-Jul ^b						
17-Jul	0	899	81	2,022	142	3,144
18-Jul	87	30,217	24,743	96,233	11,375	162,655
19-Jul ^b						
20-Jul	0	91	0	8	5	104
21-Jul	20	19,528	6,512	99,813	10,703	136,576
Non-Terminal Total	711	172,027	90,034	805,019	79,847	1,147,638
<i>Terminal areas, all gear combined, by day</i>						
6-Jul	0	0	0	0	0	0
7-Jul ^b						
8-Jul	0	0	0	0	0	0
9-Jul	0	0	0	0	0	0
10-Jul ^b						
11-Jul	0	0	0	0	0	0
12-Jul	0	562	0	19	22	603
13-Jul ^b						
14-Jul	0	0	0	0	0	0
15-Jul	2	2,172	44	2,908	155	5,281
16-Jul ^b						
17-Jul	0	0	0	0	0	0
18-Jul	0	1,057	0	174	291	1,522
19-Jul ^b						
20-Jul	0	0	0	0	0	0
21-Jul	0	428	0	24	50	502
Terminal Total	2	4,219	44	3,125	518	7,908
Total Harvest Jul 6-21	713	176,246	90,078	808,144	80,365	1,155,546

^a Does not include test fish harvests

^b Fishery Closed.

Appendix D7.—South Peninsula Post-June commercial salmon harvest, all gear combined, by species, July 22-31, 2009.

Date	Number of Salmon ^a					
	Chinook	Sockeye	Coho	Pink	Chum	Total
<i>Non-terminal areas (including SEDM after July 25), all gear combined, by day</i>						
22-Jul ^b						
23-Jul	17	6,317	6,169	31,129	3,648	47,280
24-Jul	92	22,990	26,275	153,168	17,688	220,213
25-Jul ^b						
26-Jul	5	8,261	581	31,113	4,443	44,403
27-Jul	0	7,071	1,405	43,560	6,283	58,319
28-Jul	115	23,238	13,883	205,569	25,994	268,799
29-Jul	2	10,792	384	42,027	7,093	60,298
30-Jul	27	10,434	3,384	123,210	14,628	151,683
31-Jul	395	18,735	18,798	251,705	30,256	319,889
Non-Terminal Total	653	107,838	70,879	881,481	110,033	1,170,884
<i>Terminal areas (including SEDM terminal areas after July 25), all gear combined, by day</i>						
22-Jul ^b						
23-Jul	0	425	0	3,074	241	3,740
24-Jul	0	2,105	0	15,113	412	17,630
25-Jul ^b						
26-Jul	0	197	0	541	116	854
27-Jul	0	39	12	5,939	481	6,471
28-Jul	0	1,900	6	33,450	767	36,123
29-Jul	0	386	2	517	286	1,191
30-Jul	0	45	0	91	418	554
31-Jul	0	1,194	15	42,559	1,468	45,236
Terminal Total	0	6,291	35	101,284	4,189	111,799
Total Harvest Jul 22-31	653	114,129	70,914	982,765	114,222	1,282,683

^a Does not include test fish harvests

^b Fishery closed.

Appendix D8.—South Peninsula Post-June commercial salmon harvest, by species, by day, August 1-31, 2009.

Date	Number of Salmon ^a					Total
	Chinook	Sockeye	Coho	Pink	Chum	
1-Aug	57	5,172	3,414	106,672	20,417	135,732
2-Aug	31	2,551	3,876	70,884	7,686	85,028
3-Aug	0	1,838	29	16,084	584	18,535
4-Aug	2	11,569	3,678	272,388	34,920	322,557
5-Aug	34	10,065	5,622	167,439	25,881	209,041
6-Aug	82	5,499	6,051	231,840	23,444	266,916
7-Aug	50	4,751	5,718	193,686	25,026	229,231
8-Aug	17	3,441	6,521	168,253	17,253	195,485
9-Aug	20	1,601	2,207	119,069	22,433	145,330
10-Aug	3	1,982	868	125,211	14,867	142,931
11-Aug	17	4,237	1,015	178,567	32,819	216,655
12-Aug	38	2,414	1,540	160,219	24,512	188,723
13-Aug	24	3,004	3,320	104,743	13,693	124,784
14-Aug	66	8,758	4,282	206,596	33,651	253,353
15-Aug	8	6,772	2,284	189,700	43,988	242,752
16-Aug	61	4,212	7,884	197,773	32,316	242,246
17-Aug	0	6,127	4,335	164,930	17,892	193,284
18-Aug	10	5,652	4,679	342,405	27,397	380,143
19-Aug	1	3,800	782	138,081	33,469	176,133
20-Aug	0	4,117	794	92,852	25,489	123,252
21-Aug	0	2,976	657	90,552	35,172	129,357
22-Aug	0	1,841	359	61,212	24,313	87,725
23-Aug	0	1,718	306	42,549	7,284	51,857
24-Aug	0	567	133	146,317	11,102	158,119
25-Aug	0	6	25	74,781	43,731	118,543
26-Aug	0	0	0	34,000	24,674	58,674
27-Aug	0	0	0	26,396	7,866	34,262
28-Aug	0	0	0	27,554	21,444	48,998
29-Aug	0	0	103	7,748	9,489	17,340
30-Aug	0	0	0	2,277	17,143	19,420
31-Aug	0	0	0	1,782	8,938	10,720
Total	521	104,670	70,482	3,762,560	688,893	4,627,126

^a Does not include test fish harvests.

Appendix D9.–South Peninsula fall fishery (September 1- September 30) commercial salmon harvest, by species and year, 1970-2009.

Year	Permits	Landings	Number of Salmon ^{a, b}					Total
			Chinook	Sockeye	Coho	Pink	Chum	
1970 ^c								
1971 ^c								
1972 ^c								
1973	0	0	0	0	0	0	0	0
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	153	4	8,336	14,498	38,165	84,473	145,476
Average 1990-2009								
	45	311	14	43,064	21,173	13,691	29,007	106,948
Average 2000-2009								
	31	228	8	34,233	16,344	25,131	23,717	99,433

^a Does not include test fish harvests.

^b Harvest from 1987-1990, 1992, 1993, 1995-1998, and 2002-2003 include catch from limited openings in October.

^c Confidential information.

Appendix D10.—South Peninsula (minus the Southeastern District Mainland fishery July 1-25)
Post-June (July 1-September 30) commercial salmon harvest, by species and year, 1970-2009.

Year	Permits ^c	Landings	Number of Salmon ^{a,b}					Total
			Chinook	Sockeye	Coho	Pink	Chum	
1970	127	1,467	758	44,795	32,340	1,610,724	535,625	2,224,242
1971	175	2,166	1,252	190,632	16,814	1,411,230	838,978	2,458,906
1972	140	848	656	35,120	7,916	55,802	204,113	303,607
1973	115	582	151	37,424	6,340	34,118	87,077	165,110
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	233	3,907	4,003	765,575	414,809	9,101,628	863,505	11,149,520
1993	221	3,086	3,524	497,933	209,816	9,765,709	504,894	10,981,876
1994	213	3,302	1,642	408,089	249,066	6,640,031	1,591,094	8,889,922
1995	207	3,824	2,010	731,651	252,358	16,071,184	1,155,825	18,213,028
1996	179	1,966	1,914	215,721	263,654	1,738,973	379,578	2,599,840
1997	168	1,399	1,206	325,261	110,488	1,681,374	277,559	2,395,888
1998	209	3,975	1,793	764,947	150,735	7,441,311	455,978	8,814,764
1999	185	4,205	1,580	1,355,842	191,585	8,369,899	563,270	10,482,176
2000	179	2,894	2,081	530,913	249,874	3,132,340	788,698	4,703,906
2001	177	2,426	1,780	350,517	209,583	3,930,586	823,425	5,315,891
2002	116	1,553	3,411	290,657	197,323	1,950,760	421,461	2,863,612
2003	106	1,675	1,079	378,410	128,710	3,910,916	342,595	4,761,710
2004	108	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	2,389	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	125	1,642	1,019	356,456	177,550	8,068,114	319,209	8,922,348
2009	114	2,214	1,891	403,187	245,845	5,591,634	967,944	7,210,501
Average 1978-1992								
	207	3,081	3,738	424,248	274,191	5,657,833	858,924	7,218,934
Average 1993-1997								
	198	2,715	2,059	435,731	217,076	7,179,454	781,790	8,616,111
Average 2000-2009								
	127	2,116	1,640	572,807	188,850	5,016,530	551,427	6,331,254
Average 2007-2009								
	118	2,168	1,195	536,158	190,906	6,897,183	556,467	8,181,910

^a Does not include test fish harvests.

^b Harvest from 1987-1990, 1992, 1993, 1995, and 2002-2003 include catch from limited openings in October.

^c Permits equals the total number of South Peninsula Post-June permits.

Appendix D11.—South Peninsula (including the Southeastern District Mainland fishery) Post-June (July 1-September 30) commercial salmon harvest, by species and year, 1970-2009.

Year	Permits	Landings	Number of Salmon ^{a,b}					Total
			Chinook	Sockeye	Coho	Pink	Chum	
1970	127	1,612	777	63,569	32,519	1,630,404	550,698	2,277,967
1971	175	2,325	1,305	225,162	16,906	1,423,528	855,916	2,522,817
1972	140	940	673	45,174	7,999	60,270	212,505	326,621
1973	115	710	159	58,207	6,571	38,500	91,810	195,247
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	233	4,317	4,040	870,687	414,933	9,117,479	880,066	11,287,205
1993	221	3,683	4,301	639,412	214,020	9,843,962	513,579	11,215,274
1994	213	3,738	1,726	541,108	250,079	6,648,470	1,593,590	9,034,973
1995	207	4,228	2,079	824,679	254,581	16,123,733	1,172,964	18,378,036
1996	180	2,825	2,111	391,858	264,966	1,809,350	410,762	2,879,047
1997	168	2,594	1,352	630,008	111,872	1,697,989	283,929	2,725,150
1998	209	4,340	2,100	882,078	153,694	7,566,341	465,907	9,070,120
1999	185	4,351	1,619	1,403,036	192,480	8,412,751	567,929	10,577,815
2000	179	3,802	2,176	654,532	256,841	3,189,515	813,977	4,917,041
2001	177	2,996	1,957	454,812	210,897	3,972,806	873,565	5,514,037
2002	116	2,322	3,724	407,633	202,712	2,093,251	437,533	3,144,853
2003	106	2,494	1,289	553,906	130,942	4,039,946	353,704	5,079,787
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	2,957	2,011	555,146	247,971	5,651,433	983,583	7,440,144
Average 1978-1992								
	207	3,446	4,004	521,634	277,093	5,728,901	919,953	7,451,586
Average 1993-1997								
	198	3,414	2,314	605,413	219,104	7,224,701	794,965	8,846,496
Average 2000-2009								
	129	2,716	1,804	696,754	196,782	5,370,770	573,042	6,839,152
Average 2007-2009								
	126	2,853	1,365	643,204	207,591	7,807,339	585,768	9,245,268

^a Does not include test fish harvests.

^b Harvest from 1987-1990, 1992, 1993, 1995-1998, and 2002-2003 include catch from limited openings in October.

Appendix D12.—South Peninsula (including Southeastern District Mainland fishery) Post-June (July 1-September 30) commercial Chinook salmon harvest by gear and year, 1970-2009.

Year ^a	Purse Seine		Drift Gillnet		Set Gillnet		Total
	Number ^b	Percent	Number ^b	Percent	Number ^b	Percent	
1970	750	96.5	18	2.3	9	1.2	777
1971	1,219	93.4	47	3.6	39	3.0	1,305
1972	647	96.1	8	1.2	18	2.7	673
1973	155	97.5	1	0.6	3	1.9	159
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	1,826	86.5	28	1.3	257	12.2	2,111
1997	1,161	85.9	18	1.3	173	12.8	1,352
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
Average 1978-1992							
	3,697	92.3	74	1.8	233	5.8	4,004
Average 1993-1997							
	1,906	82.4	43	1.9	365	15.8	2,314
Average 2000-2009							
	1,560	86.5	8	0.4	236	13.1	1,804
Average 2007-2009							
	1,208	88.5	9	0.7	148	10.8	1,365

^a Harvest from 1987-1990, 1992, 1993, 1995-1998, and 2002-2003 include catch from limited openings in October.

^b Does not include test fish harvest.

Appendix D13.—South Peninsula (including Southeastern District Mainland fishery) Post-June (July 1-September 30) commercial sockeye salmon harvest by gear and year, 1970-2009.

Year ^a	Purse Seine		Drift Gillnet		Set Gillnet		Total
	Number ^b	Percent	Number ^b	Percent	Number ^b	Percent	
1970	28,466	44.8	14,843	23.3	20,260	31.9	63,569
1971	82,826	36.8	105,274	46.8	37,062	16.5	225,162
1972	18,957	42.0	15,580	34.5	10,637	23.5	45,174
1973	15,796	27.1	16,246	27.9	26,165	45.0	58,207
1974	63,511	37.0	52,481	30.6	55,708	32.4	171,700
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	382,551	43.9	870,687
1993	288,648	45.1	23,421	3.7	327,343	51.2	639,412
1994	147,337	27.2	18,134	3.4	375,637	69.4	541,108
1995	368,688	44.7	21,505	2.6	434,486	52.7	824,679
1996	80,639	20.6	5,776	1.5	305,443	77.9	391,858
1997	123,940	19.7	24,278	3.9	481,790	76.5	630,008
1998	381,734	43.3	35,569	4.0	464,775	52.7	882,078
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	273,409	67.1	407,633
2003	162,365	29.3	16,093	2.9	375,448	67.8	553,906
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	44.8	7,800	1.4	298,707	53.8	555,146
Average 1978-1992							
	280,003	53.7	32,046	6.1	209,586	40.2	521,634
Average 1993-1997							
	201,850	33.3	18,623	3.1	384,940	63.6	605,413
Average 2000-2009							
	311,017	44.6	14,110	2.0	371,627	53.3	696,754
Average 2007-2009							
	349,210	54.3	9,018	1.4	284,976	44.3	643,204

^a Harvest from 1987-1990, 1992, 1993, 1995-1998, and 2002-2003 include catch from limited openings in October.

^b Does not include test fish harvest.

Appendix D14.—South Peninsula (including Southeastern District Mainland fishery) Post-June (July 1-September 30) commercial coho salmon harvest by gear and year, 1970-2009.

Year ^a	Purse Seine		Drift Gillnet		Set Gillnet		Total
	Number ^b	Percent	Number ^b	Percent	Number ^b	Percent	
1970	31,798	97.8	47	0.1	674	2.1	32,519
1971	16,346	96.7	356	2.1	204	1.2	16,906
1972	7,795	97.4	59	0.7	145	1.8	7,999
1973	6,286	95.7	43	0.7	242	3.7	6,571
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	62,212	15.0	414,933
1993	148,565	69.4	26,364	12.3	39,091	18.3	214,020
1994	161,903	64.7	24,980	10.0	63,196	25.3	250,079
1995	185,974	73.1	26,020	10.2	42,587	16.7	254,581
1996	195,272	73.7	22,561	8.5	47,133	17.8	264,966
1997	47,254	42.2	19,855	17.7	44,763	40.0	111,872
1998	83,205	54.1	30,219	19.7	40,270	26.2	153,694
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	57.2	11,253	8.6	44,742	34.2	130,942
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	86.0	10,549	4.3	24,141	9.7	247,971
Average 1978-1992							
	220,052	79.4	29,627	10.7	27,414	9.9	277,093
Average 1993-1997							
	147,794	67.5	23,956	10.9	47,354	21.6	219,104
Average 2000-2009							
	147,053	74.7	13,836	7.0	35,892	18.2	196,782
Average 2007-2009							
	166,764	80.3	12,163	5.9	28,664	13.8	207,591

^a Harvest from 1987-1990, 1992, 1993, 1995-1998, and 2002-2003 include catch from limited openings in October.

^b Does not include test fish harvest.

Appendix D15.–South Peninsula (including Southeastern District Mainland fishery) Post-June (July 1-September 30) commercial pink salmon harvest by gear and year, 1970-2009.

Year ^a	Purse Seine		Drift Gillnet		Set Gillnet		Total
	Number ^b	Percent	Number ^b	Percent	Number ^b	Percent	
1970	1,554,992	95.4	58,674	3.6	16,738	1.0	1,630,404
1971	1,416,920	99.4	1,983	0.1	6,849	0.5	1,425,752
1972	55,667	92.4	129	0.2	4,474	7.4	60,270
1973	34,463	89.5	545	1.4	3,492	9.1	38,500
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	1,522,362	84.1	17,593	1.0	269,395	14.9	1,809,350
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	253,004	4.5	5,651,433
Average 1978-1992							
	5,515,789	96.3	39,203	0.7	173,909	3.0	5,728,901
Average 1993-1997							
	6,873,399	95.1	27,927	0.4	323,375	4.5	7,224,701
Average 2000-2009							
	4,997,199	93.0	23,229	0.4	350,341	6.5	5,370,770
Average 2007-2009							
	7,297,557	93.5	45,377	0.6	464,404	5.9	7,807,339

^a Harvest from 1987-1990, 1992, 1993, 1995-1998, and 2002-2003 include catch from limited openings in October.

^b Does not include test fish harvest.

Appendix D16.–South Peninsula (including Southeastern District Mainland fishery) Post-June (July 1-September 30) commercial chum salmon harvest by gear and year, 1970-2009.

Year ^a	Purse Seine		Drift Gillnet		Set Gillnet		Total
	Number ^b	Percent	Number ^b	Percent	Number ^b	Percent	
1970	498,672	90.6	30,126	5.5	21,900	4.0	550,698
1971	715,457	83.6	124,539	14.5	16,023	1.9	856,019
1972	144,992	68.2	55,615	26.2	11,898	5.6	212,505
1973	73,249	79.8	10,464	11.4	8,097	8.8	91,810
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	47,504	9.2	513,579
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	314,538	76.6	14,306	3.5	81,918	19.9	410,762
1997	239,619	84.4	13,278	4.7	31,032	10.9	283,929
1998	333,693	71.6	35,723	7.7	96,491	20.7	465,907
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	112,884	11.5	983,583
Average 1978-1992							
	819,302	89.1	24,762	2.7	75,889	8.2	919,953
Average 1993-1997							
	700,153	88.1	18,847	2.4	75,965	9.6	794,965
Average 2000-2009							
	438,194	76.5	12,289	2.1	80,994	14.1	573,042
Average 2007-2009							
	498,250	85.1	11,675	2.0	75,843	12.9	585,768

^a Harvest from 1987-1990, 1992, 1993, 1995-1998, and 2002-2003 include catch from limited openings in October.

^b Does not include test fish harvest.

APPENDIX E. SALMON ESCAPEMENT DATA

Appendix E1.—Summary of historical sockeye salmon escapement data from Orzinski Lake, Thin Point Lake, Middle Lagoon/Morzhovoi, and Mortensen’s Lagoon weirs.

Year	Orzinski Weir ^a			Thin Point Weir			Middle Lagoon/Morzhovoi Weir ^b			Mortensen's Lagoon		
	Dates		Sockeye	Dates		Sockeye	Dates		Sockeye	Dates		Sockeye
	Installed	Removed		Installed	Removed		Installed	Removed		Installed	Removed	
1926							ND	ND	13,590			
1927							ND	ND	23,932			
1928							ND	ND	8,904			
1929	ND	ND	5,740				ND	ND	15,974			
1930	ND	ND	1,923				ND	ND	24,551			
1931	ND	ND	5,756				1-Jul	7-Sep	28,588			
1932	20-Jun	ND	25,706				26-Jun	8-Aug	40,306			
1933	not operated this year						not operated this year					
1934	23-Jun	ND	6,634				23-Jun	8-Sep	81,748			
1935	13-Jun	15-Sep	28,478				10-Jun	5-Oct	17,367			
1936	16-Jun	8-Aug	31,720				not operated again successfully until 1996					
1937	before 19-Jun	6-Aug	15,393									
1938	30-May	7-Aug	8,675									
1939	14-Jun	3-Aug	10,414									
1940	7-Jun	5-Aug	16,414									
1941	14-Jun	8-Aug	8,241									
1942-1989	not operated these years											
1990	27-Jun	7-Aug	15,000									
1991	14-Jun	20-Jul	40,000									
1992	12-Jun	31-Jul	25,000									
1993	9-Jun	3-Aug	24,717									
1994	10-Jun	29-Jul	38,000	13-Jul	28-Aug	19,450						
1995	16-Jun	25-Jul	30,000	14-Jul	22-Aug	10,241						
1996	7-Jun	28-Jul	30,000	17-Jul	17-Aug	3,101	9-Jul	17-Aug	10,123			
1997	12-Jun	26-Jul	35,000	7-Aug	24-Aug	1,488	not operated after 1996					
1998	14-Jun	1-Aug	25,000	15-Jul	23-Aug	1,927						
1999	12-Jun	31-Jul	15,000	not operated after 1998								
2000	10-Jun	4-Aug	21,500									
2001	5-Jun	31-Jul	31,200							1-Jul	26-Oct	4,268
2002	11-Jun	31-Jul	42,849							25-Jun	22-Oct	5,205
2003	8-Jun	1-Aug	70,690							4-Jul	13-Oct	16,804
2004	11-Jun	31-Jul	75,450							29-Jun	5-Oct	7,215
2005	13-Jun	1-Aug	44,797							1-Jul	8-Oct	21,703
2006	8-Jun	5-Aug	18,000							18-Jun	16-Sep	14,688
2007	12-Jun	14-Aug	10,643							not operated after 2006		
2008	13-Jun	12-Aug	36,839									
2009	11-Jun	3-Aug	21,457									

^a Counts for Orzinski weir after 1989 include post weir estimates.

^b Data from weirs prior to 1960 compiled from United States Fish and Wildlife Service annual reports series from 1930 to 1959 for the Alaska Peninsula/Aleutians.

Appendix E2.–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 three to five surveys are conducted per stream, per year. For pink and chum salmon, an approximate 21-day stream life is used to calculate total pink and chum 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 in the lagoon are added together based on estimated time in lagoon and observations of when sockeye 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 made approximately two weeks apart

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

EXAMPLE

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

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

The estimate of 21 days stream life was used because significant numbers of carcasses begin to appear about three weeks after adult 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 E3.—South Peninsula total indexed salmon escapements by species and year, 1962-2009.

Year	Number of Salmon				Total
	Sockeye	Coho	Pink	Chum	
1962	18,800		1,598,800	399,400	2,017,000
1963	23,000		1,317,900	446,700	1,787,600
1964	15,700		1,436,400	454,800	1,906,900
1965	12,100		1,035,400	228,000	1,275,500
1966	17,000		719,400	422,000	1,158,400
1967	16,200		445,500	182,900	644,600
1968	12,800		823,300	279,100	1,115,200
1969	29,500		2,474,900	134,600	2,639,000
1970	16,500		1,298,900	280,500	1,595,900
1971	19,400		702,700	343,200	1,065,300
1972	11,900		111,400	254,500	377,800
1973	7,300		110,800	212,500	330,600
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 ^a	1,598,400	354,700	2,048,400 ^b
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

-continued-

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Year	Number of Salmon				Total
	Sockeye	Coho	Pink	Chum	
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
Average 1962-1976 ^c					
	27,813		957,887	294,400	1,280,100
Average 1977-2009 ^{b,c}					
	93,876		3,319,133	577,479	3,990,487
Average 2000-2009					
	134,806		4,145,702	665,089	4,945,597

^a In 1990, excellent survey conditions and additional funding allowed coho surveys during mid and late September.

^b The 1990 coho numbers are not included in the total escapement.

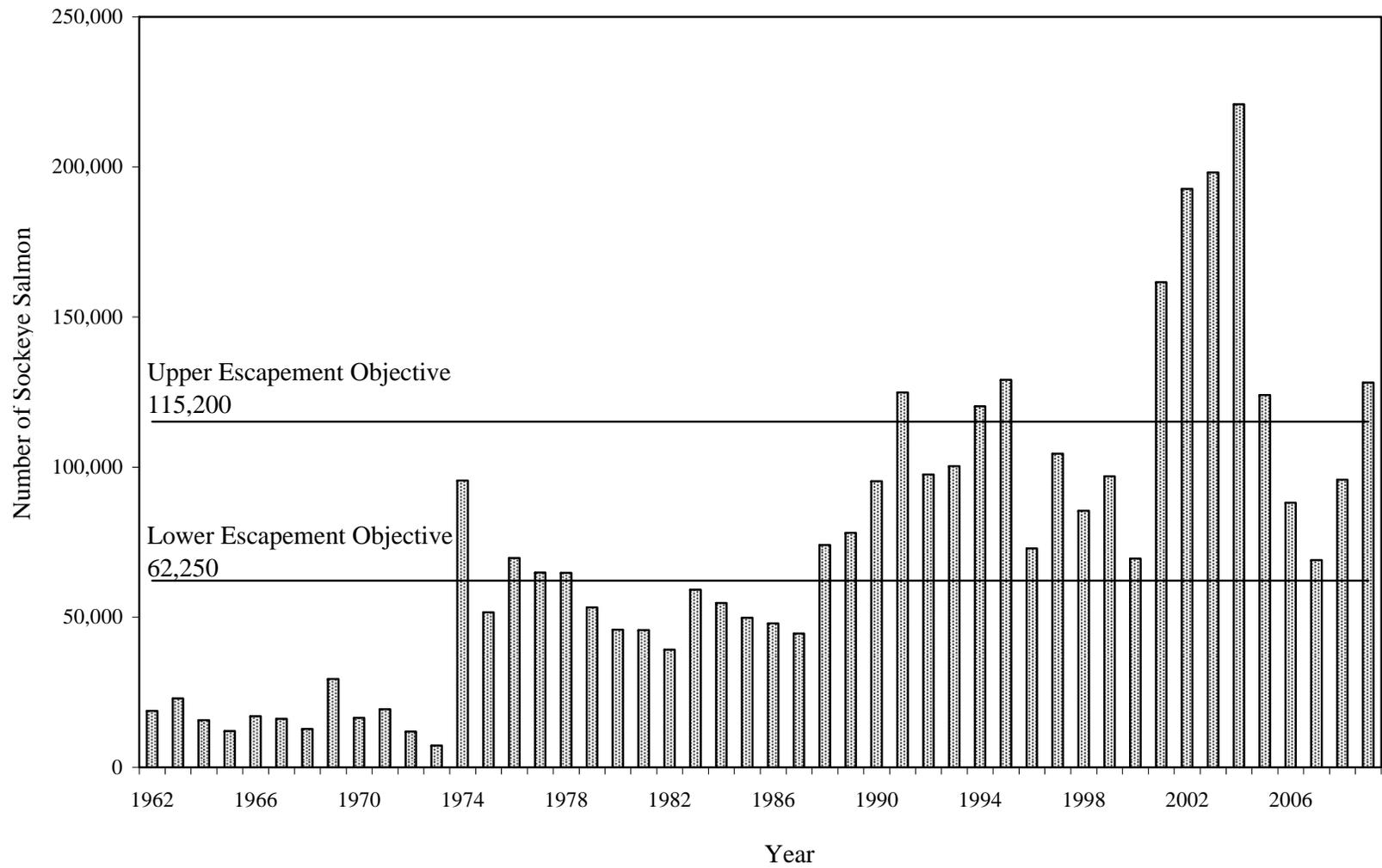
^c Averages used in this table reflect the transition from years of low production (1962-1976) to the most recent production trends (post 1976).

Appendix E4.—South Peninsula total indexed salmon escapements by species, district, and section, 2009.

District & Section	Number of Salmon ^a			Total
	Sockeye	Pink	Chum	
<u>Southeastern District</u>				
East Stepovak	0	117,520	5,800	123,320
Stepovak Flats	0	26,000	48,900	74,900
Northwest Stepovak	21,457	274,950	24,100	320,507
Southwest Stepovak	0	35,600	26,000	61,600
Balboa Bay	0	13,850	0	13,850
Beaver Bay	0	22,250	0	22,250
Shumagin Islands	1,300	169,000	1,700	172,000
Southeastern District Total	22,757	659,170	106,500	788,427
<u>South Central District</u>				
Mino Creek-Little Coal Bay	0	539,780	0	539,780
East Pavlof Bay	0	354,000	0	354,000
Canoe Bay	16,600	19,900	4,600	41,100
West Pavlof Bay	6,060	97,050	14,000	117,110
South Central District Total	22,660	1,010,730	18,600	1,051,990
<u>Southwestern District</u>				
Volcano Bay	0	108,000	60,000	168,000
Belkofski Bay	0	300,000	228,000	528,000
Deer Island	0	475,100	0	475,100
Cold Bay	49,000	41,000	96,060	186,060
Thin Point	33,500	153,000	60	186,560
Morzhovoi Bay	200	65,000	1,400	66,600
Ikatan Bay	0	137,000	210	137,210
Southwestern District Total	82,700	1,279,100	385,730	1,747,530
<u>Unimak District</u>				
Otter Cove	0	118,000	1,400	119,400
Sanak Island	0	0	0	0
Unimak District Total	0	118,000	1,400	119,400
Total South Peninsula	128,117	3,067,000	512,230	3,707,347

^a Complete escapement data are unavailable for coho salmon due to their late run timing.

Appendix E5.—South Peninsula total indexed sockeye salmon escapement by year, 1962-2009.



Appendix E6.–Sockeye salmon daily and cumulative escapement counts through the Orzinski Lake weir, 2009.

Date	Daily			Cumulative		
	Adults	Jacks	Total	Adults	Jacks	Total
11-Jun ^a	0	0	0	0	0	0
12-Jun	0	0	0	0	0	0
13-Jun	0	0	0	0	0	0
14-Jun	0	0	0	0	0	0
15-Jun	0	0	0	0	0	0
16-Jun	0	0	0	0	0	0
17-Jun	51	1	52	51	1	52
18-Jun	48	1	49	99	2	101
19-Jun	42	1	43	141	3	144
20-Jun	20	0	20	161	3	164
21-Jun	53	4	57	214	7	221
22-Jun	8	0	8	222	7	229
23-Jun	1,337	39	1,376	1,559	46	1,605
24-Jun	39	3	42	1,598	49	1,647
25-Jun	13	0	13	1,611	49	1,660
26-Jun	447	9	456	2,058	58	2,116
27-Jun	11	0	11	2,069	58	2,127
28-Jun	1,021	27	1,048	3,090	85	3,175
29-Jun	4,204	126	4,330	7,294	211	7,505
30-Jun	753	16	769	8,047	227	8,274
1-Jul	1,136	35	1,171	9,183	262	9,445
2-Jul	51	1	52	9,234	263	9,497
3-Jul	599	55	654	9,833	318	10,151
4-Jul	283	16	299	10,116	334	10,450
5-Jul	483	28	511	10,599	362	10,961
6-Jul	571	38	609	11,170	400	11,570
7-Jul	249	12	261	11,419	412	11,831
8-Jul	60	1	61	11,479	413	11,892
9-Jul	578	35	613	12,057	448	12,505
10-Jul	238	18	256	12,295	466	12,761
11-Jul	132	11	143	12,427	477	12,904
12-Jul	994	102	1,096	13,421	579	14,000
13-Jul	1,540	110	1,650	14,961	689	15,650
14-Jul	132	6	138	15,093	695	15,788
15-Jul	382	16	398	15,475	711	16,186

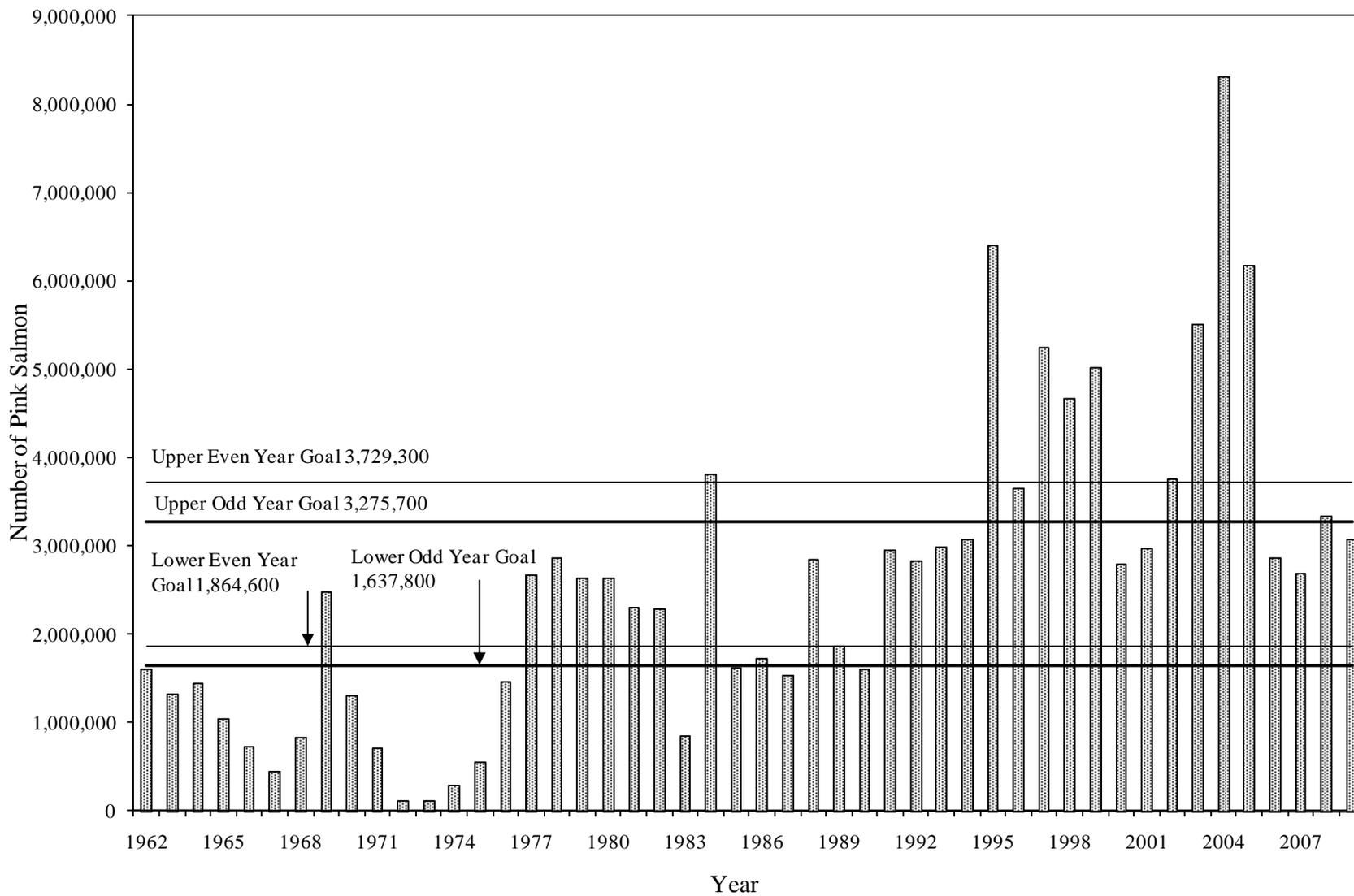
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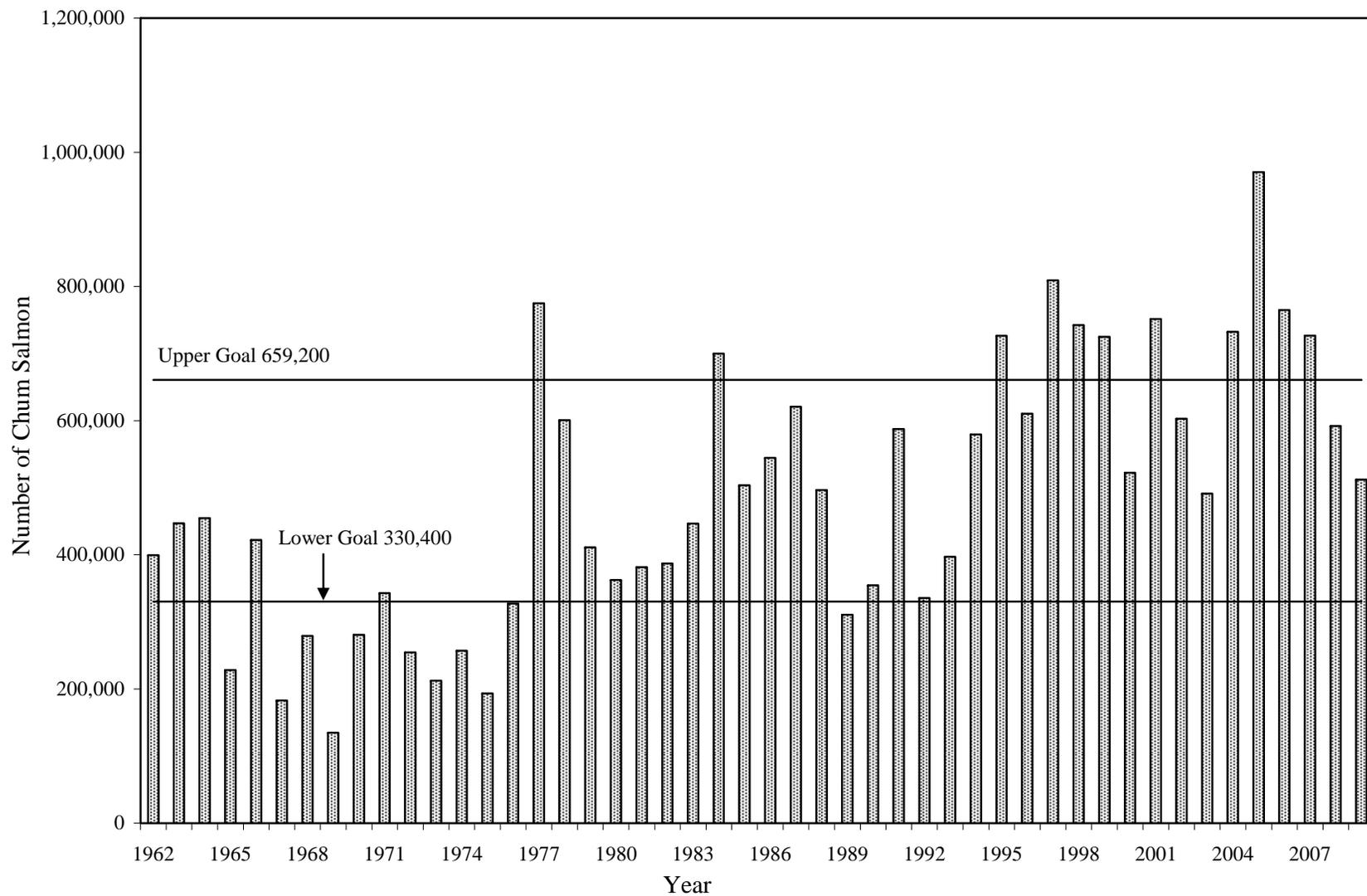
Date	Daily			Cumulative		
	Adults	Jacks	Total	Adults	Jacks	Total
16-Jul	59	1	60	15,534	712	16,246
17-Jul	509	34	543	16,043	746	16,789
18-Jul	245	9	254	16,288	755	17,043
19-Jul	162	5	167	16,450	760	17,210
20-Jul	49	0	49	16,499	760	17,259
21-Jul	606	25	631	17,105	785	17,890
22-Jul	958	55	1,013	18,063	840	18,903
23-Jul	107	9	116	18,170	849	19,019
24-Jul	67	11	78	18,237	860	19,097
25-Jul	107	3	110	18,344	863	19,207
26-Jul	92	2	94	18,436	865	19,301
27-Jul	297	37	334	18,733	902	19,635
28-Jul	492	61	553	19,225	963	20,188
29-Jul	126	11	137	19,351	974	20,325
30-Jul	102	12	114	19,453	986	20,439
31-Jul	59	12	71	19,512	998	20,510
1-Aug	133	5	138	19,645	1,003	20,648
2-Aug	590	31	621	20,235	1,034	21,269
3-Aug	172	16	188	20,407	1,050	21,457
4-Aug	weir pulled					
Total	20,407	1,050	21,457			
Estimated Total Sockeye Escapement			21,457			

^a Weir was fish tight on June 11.

Appendix E7.-South Peninsula total indexed pink salmon escapement by year, 1962-2009.



Appendix E8.—South Peninsula total indexed chum salmon escapement by year, 1962-2009.



Appendix E9.—South Alaska Peninsula aerial salmon surveys, 2009.

Stream		Location	Visi- bility	Species					Observer Remarks
Date	Observer			Chinook	Sockeye	Coho	Pink	Chum	
Suzy Creek, 281-1003									
07/09/2009		Stream	G	0	0	0	0	0	
	Aaron Poetter / Matt Keyse	Mouth	G	0	0	0	100	0	
		Bay	G	0	0	0	300	0	
07/15/2009		Stream	G	0	0	0	0	0	TOO WINDY TO SURVEY ANYTHING BUT THE MOUTH
	Aaron Poetter	Mouth	G	0	0	0	650	0	
		Bay	G	0	0	0	0	0	
07/29/2009		Stream	P						NO COUNT DUE TO EXCESSIVE RUNOFF
	Aaron Poetter / Alex Bernard	Mouth	P						
		Bay	P						
08/15/2009		Stream	F	0	0	0	74,000		
	Alex Bernard	Mouth	F	0	0	0	0		
		Bay	F	0	0	0	500		
08/26/2009		Stream	G	0	0	0	150,000	0	
	Aaron Poetter	Mouth	G	0	0	0	0	0	
		Bay	G	0	0	0	0	0	

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Stream		Location	Visi- bility	Species					Observer Remarks
Date	Observer			Chinook	Sockeye	Coho	Pink	Chum	
West Cove, 281-1004									
08/15/2009		Stream	F	0	0	0	2,300	0	
	Alex Bernard	Mouth	F	0	0	0	500	0	
		Bay	F	0	0	0	500	0	
08/26/2009		Stream		0	0	0	0	0	
	Aaron Poetter	Mouth	G	0	0	0	1,000	0	
		Bay		0	0	0	0	0	
Chichagof Bay W Side, 281-2001									
07/29/2009		Stream	P						NO COUNT DUE TO EXCESSIVE RUNOFF
	Aaron Poetter / Alex Bernard	Mouth	P						
		Bay	P						
08/26/2009		Stream	G	0	0	0	4,000	0	
	Aaron Poetter	Mouth		0	0	0	0	0	
		Bay		0	0	0	0	0	
Chichagof Bay Stream, 281-2002									
07/29/2009		Stream	P						NO COUNT DUE TO EXCESSIVE RUNOFF
	Aaron Poetter / Alex Bernard	Mouth	P						
		Bay	P						

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Stream	Date	Observer	Location	Visi- bility	Species				Observer Remarks	
					Chinook	Sockeye	Coho	Pink	Chum	
08/15/2009			Stream	F	0	0	0	1,100	0	
		Alex Bernard	Mouth	F	0	0	0	0	0	
			Bay	F	0	0	0	1,200	0	
08/26/2009			Stream	G	0	0	0	35,000	10,000	
		Aaron Poetter	Mouth	G	0	0	0	0	0	
			Bay	G	0	0	0	0	0	
Chichagof Bay E Side, 281-2003										
07/29/2009			Stream	P						NO COUNT DUE TO EXCESSIVE RUNOFF
		Aaron Poetter / Alex Bernard	Mouth	P						
			Bay	P						
08/15/2009			Stream	F	0	0	0	550	0	
		Alex Bernard	Mouth	F	0	0	0	0	0	
			Bay	F	0	0	0	0	0	
Windbound Bay, 281-2004										
07/15/2009			Stream	G	0	0	0	0	0	
		Aaron Poetter	Mouth	G	0	0	0	1,000	0	
			Bay	G	0	0	0	0	0	
07/29/2009			Stream	P						NO COUNT DUE TO EXCESSIVE RUNOFF
		Aaron Poetter / Alex Bernard	Mouth	P						
			Bay	P						

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Stream	Date	Observer	Location	Visi- bility	Species				Observer Remarks	
					Chinook	Sockeye	Coho	Pink	Chum	
	08/15/2009		Stream	F	0	0	0	1,350	0	
		Alex Bernard	Mouth	F	0	0	0	0	0	
	08/26/2009		Stream	G	0	0	0	0	0	
		Aaron Poetter	Mouth	G	0	0	0	10,000	0	
			Bay	G	0	0	0	0	0	
Orzinski Bay, 281-3103										
	08/26/2009		Stream	G	0	16,000	0	10,000	0	
		Aaron Poetter	Mouth	G	0	0	0	0	0	
			Bay	G	0	0	0	5,000	0	
Little Norway, 281-3204										
	07/29/2009		Stream	P						NO COUNT DUE TO EXCESSIVE RUNOFF
		Aaron Poetter / Alex Bernard	Mouth	P						
			Bay	P						
	08/15/2009		Stream	F	0	0	0	14,000	0	
		Alex Bernard	Mouth	F	0	0	0	0	0	
			Bay	F	0	0	0	5,000	0	
	08/26/2009		Stream	G	0	0	0	13,000	2,000	
		Aaron Poetter	Mouth	G	0	0	0	5,000	0	
			Bay	G	0	0	2,000	15,000	0	

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Stream		Location	Visi- bility	Species					Observer Remarks
Date	Observer			Chinook	Sockeye	Coho	Pink	Chum	
Clark Bay Sw, 281-3205									
07/15/2009		Stream	G	0	0	0	500	0	
	Aaron Poetter	Mouth	G	0	0	0	0	0	
07/29/2009		Stream	F	0	0	0	1,000	0	
	Aaron Poetter / Alex Bernard	Mouth	P	0	0	0	0	0	
		Bay	P	0	0	0	0	0	
08/15/2009		Stream	F	0	0	0	2,000	0	
	Alex Bernard	Mouth	F	0	0	0	0	0	
		Bay	F	0	0	0	6,000	2,000	
08/26/2009		Stream	G	0	0	0	6,000	0	
	Aaron Poetter	Mouth	G	0	0	0	10,000	0	
		Bay	G	0	0	0	40,000	0	
Clark Bay Ne, 281-3206									
07/15/2009		Stream	G	0	0	0	0	0	
	Aaron Poetter	Mouth	G	0	0	0	0	0	
		Bay	G	0	0	0	700	0	
07/29/2009		Stream	P						
	Aaron Poetter / Alex Bernard	Mouth	P						
		Bay	P						

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Stream	Date	Observer	Location	Visi- bility	Chinook	Sockeye	Coho	Pink	Chum	Observer Remarks
	08/15/2009		Stream	F						STREAM APPEARED TO HAVE DRIED UP WITH SMALL POOLS WITH NO APPARENT FISH IN THEM.
		Alex Bernard	Mouth	F						
	08/26/2009		Stream	G	0	0	0	0	0	
		Aaron Poetter	Mouth	G	0	0	0	0	0	
			Bay	G	0	0	0	0	0	
Grub Gulch, 281-3207										
	07/15/2009		Stream	G	0	0	0	0	0	NO FISH
		Aaron Poetter	Mouth	G	0	0	0	0	0	
			Bay	G	0	0	0	0	0	
	07/29/2009		Stream	P	0	0	0	0		
		Aaron Poetter / Alex Bernard	Mouth	P	0	0	0	0		
			Bay	G	0	0	0	0	1,500	
	08/15/2009		Stream	F	0	0	0	12,100	0	
		Alex Bernard	Mouth	F	0	0	0	0	0	
			Bay	F	0	0	0	4,300	0	
	08/26/2009		Stream	G	0	0	0	28,000	10,000	
		Aaron Poetter	Mouth	G	0	0	0	0	0	
			Bay	G	0	0	1,000	10,000	0	

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Stream		Location	Visi- bility	Species					Observer Remarks
Date	Observer			Chinook	Sockeye	Coho	Pink	Chum	
1st Stm N Rock Wall, 281-3301									
07/29/2009		Stream	P						NO COUNT DUE TO EXCESSIVE RUNOFF
	Aaron Poetter / Alex Bernard	Mouth	P						
		Bay	P						
08/15/2009									
	Alex Bernard	Stream	P						TOO MUDDY TO SEE ANY FISH
		Mouth	P						
		Bay	P						
08/26/2009									
	Aaron Poetter	Stream	G	0	0	0	15,000	20,000	
		Mouth							
		Bay							
2nd Stm N Rock Wall, 281-3302									
07/15/2009									
		Stream	P						TOO MUCH RUNOFF. WATER THE COLOR OF CHOCOLATE MILK.
	Aaron Poetter	Mouth	P						
		Bay	P						
07/29/2009									
	Aaron Poetter / Alex Bernard	Stream	P						NO COUNT DUE TO EXCESSIVE RUNOFF
		Mouth	P						
		Bay	P						

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Stream		Location	Visi- bility	Species					Observer Remarks
Date	Observer			Chinook	Sockeye	Coho	Pink	Chum	
08/15/2009		Stream	F	0	0	0	0	200	POOR STREAM CONDITIONS - VERY MILKY
	Alex Bernard	Mouth	F	0	0	0	0	0	
		Bay	F	0	0	0	4,200	100	
08/26/2009		Stream	G	0	0	0	0	16,000	
	Aaron Poetter	Mouth		0	0	0	0	0	
		Bay		0	0	0	0	0	
Louie's Corner, 281-3303									
07/15/2009		Stream	P						TOO MUCH RUNOFF. WATER THE COLOR OF . CHOCOLATE MILK
	Aaron Poetter	Mouth	P						
		Bay	P						
07/29/2009		Stream	P						NO COUNT DUE TO EXCESSIVE RUNOFF
	Aaron Poetter / Alex Bernard	Mouth	P						
		Bay	P						
08/15/2009		Stream	P	0	0	0	0	1,000	POOR STREAM CONDITIONS - VERY MILKY
	Alex Bernard	Mouth	F	0	0	0	0	0	
		Bay	F	0	0	0	0	1,500	
08/26/2009		Stream	G	0	0	0	0	3,000	
	Aaron Poetter	Mouth							
		Bay	G	0	0	0	20,000	36,000	

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Stream	Date	Observer	Location	Visi- bility	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
Big River, 281-3304										
	07/15/2009		Stream	P						TOO MUCH RUNOFF. WATER THE COLOR OF CHOCOLATE MILK
		Aaron Poetter	Mouth	P						
			Bay	P						
	07/29/2009		Stream	P						NO COUNT DUE TO EXCESSIVE RUNOFF
		Aaron Poetter / Alex Bernard	Mouth	P						
			Bay	P						
	08/15/2009		Stream	F	0	0	0	0	6,900	
		Alex Bernard	Mouth	F	0	0	0	0	0	
			Bay	F	0	0	0	0	1,700	
	08/26/2009		Stream	G	0	0	0	0	4,000	
		Aaron Poetter	Mouth							
			Bay	G	0	0	0	0	82,000	
Stepovak River, 281-3305										
	07/15/2009		Stream	P						TOO MUCH RUNOFF. WATER THE COLOR OF CHOCOLATE MILK
		Aaron Poetter	Mouth	P						
			Bay	P						

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Stream	Date	Observer	Location	Visi- bility	Species				Observer Remarks	
					Chinook	Sockeye	Coho	Pink	Chum	
	07/29/2009		Stream	P						NO COUNT DUE TO EXCESSIVE RUNOFF
		Aaron Poetter / Alex Bernard	Mouth	P						
			Bay	P						
	08/15/2009		Stream	P						TOO MUDDY TO GET COUNT
		Alex Bernard	Mouth	P						
			Bay	P						
Granville Bay, 281-3401										
	07/29/2009		Stream	P						NO COUNT DUE TO EXCESSIVE RUNOFF
		Aaron Poetter / Alex Bernard	Mouth	P						
			Bay	P						
	08/15/2009		Stream	F	0	0	0	150	0	
		Alex Bernard	Mouth	F	0	0	0	200	0	
			Bay	F	0	0	0	500	0	
	08/26/2009		Stream	G	0	0	0	6,000	3,000	
		Aaron Poetter	Mouth	G	0	0	0	5,000	0	
			Bay	G	0	0	2,500	0	0	
Osterback's Creek, 281-3402										
	07/15/2009		Stream	G	0	0	0	0	0	
		Aaron Poetter	Mouth	G	0	0	0	0	0	
			Bay	G	0	0	0	100	0	

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Stream	Date	Observer	Location	Visi- bility	Species				Observer Remarks
					Chinook	Sockeye	Coho	Pink	
	07/29/2009		Stream	P					NO COUNT DUE TO EXCESSIVE RUNOFF
		Aaron Poetter / Alex Bernard	Mouth	P					
			Bay	P					
	08/15/2009		Stream	F	0	0	0	250	0
		Alex Bernard	Mouth	F	0	0	0	0	0
			Bay	F	0	0	0	0	0
	08/26/2009		Stream	G	0	0	0	20,000	0
		Aaron Poetter	Mouth	G	0	0	0	15,000	0
			Bay						
Stonehouse, 281-3403									
	07/15/2009		Stream	G					NO FISH
		Aaron Poetter	Mouth	G					
			Bay	G					
	07/29/2009		Stream	P					NO COUNT DUE TO EXCESSIVE RUNOFF
		Aaron Poetter / Alex Bernard	Mouth	P					
			Bay	P					
	08/15/2009		Stream	F	0	0	0	0	0
		Alex Bernard	Mouth	F	0	0	0	0	0
			Bay	F	0	0	0	50	0

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Stream	Date	Observer	Location	Visi- bility	Species				Observer Remarks	
					Chinook	Sockeye	Coho	Pink	Chum	
	08/26/2009		Stream	G	0	0	0	6,000	5,000	
		Aaron Poetter	Mouth	G	0	0	0	30,000	0	
			Bay							
Island Bay 3404, 281-3404										
	08/15/2009		Stream	F	0	0	0	670	0	
		Alex Bernard	Mouth	P	0	0	0	0	0	
			Bay	F	0	0	0	2,000	0	
Island Bay 3405, 281-3405										
	07/15/2009		Stream	G	0	0	0	0	0	
		Aaron Poetter	Mouth	G	0	0	0	0	0	
			Bay	G	0	0	0	300	0	
	07/29/2009		Stream	P						NO COUNT DUE TO EXCESSIVE RUNOFF
		Aaron Poetter / Alex Bernard	Mouth	P						
			Bay	P						
Island Bay 3406, 281-3406										
	07/29/2009		Stream	P						NO COUNT DUE TO EXCESSIVE RUNOFF
		Aaron Poetter / Alex Bernard	Mouth	P						
			Bay	P						
	08/15/2009		Stream	F	0	0	0	500	0	
		Alex Bernard	Mouth	F	0	0	0	0	0	
			Bay	F	0	0	0	5,200	0	

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Stream	Date	Observer	Location	Visi- bility	Species				Observer Remarks	
					Chinook	Sockeye	Coho	Pink	Chum	
08/26/2009			Stream							
	Aaron Poetter		Mouth	G	0	0	0	20,000		
			Bay	G	0	0	1,000	0	0	
Island Bay 3407, 281-3407										
07/15/2009			Stream	G	0	0	0	0	0	
	Aaron Poetter		Mouth	G	0	0	0	0	0	
			Bay	G	0	0	0	100	0	
07/29/2009			Stream	P						NO COUNT DUE TO EXCESSIVE RUNOFF
	Aaron Poetter / Alex Bernard		Mouth	P						
			Bay	P						
08/15/2009			Stream	F	0	0	0	1,450	0	
	Alex Bernard		Mouth	F	0	0	0	200	0	
			Bay	F	0	0	0	500	0	
Island Bay 3408, 281-3408										
07/29/2009			Stream	P	0	0	0	0	0	
	Aaron Poetter / Alex Bernard		Mouth	P	0	0	0	0	0	
			Bay	F	0	0	0	600	0	
08/15/2009			Stream	F						NO FISH
	Alex Bernard		Mouth	F						
			Bay	F						

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Stream	Date	Observer	Location	Visi- bility	Species				Observer Remarks	
					Chinook	Sockeye	Coho	Pink	Chum	
08/26/2009			Stream	G	0	0	0	500	0	
		Aaron Poetter	Mouth	G	0	0	0	300	0	
			Bay		0	0	0	0	0	
Fox Bay 3502, 281-3502										
07/15/2009			Stream	G	0	0	0	0	0	
		Aaron Poetter	Mouth	G	0	0	0	0	0	
			Bay	G	0	0	0	100	0	
07/29/2009			Stream	P						NO COUNT DUE TO EXCESSIVE RUNOFF
		Aaron Poetter / Alex Bernard	Mouth	P						
			Bay	P						
08/15/2009			Stream	P	0	0	0	0	0	
		Alex Bernard	Mouth	P	0	0	0	0	0	
			Bay	F	0	0	0	400	0	
08/26/2009			Stream	G	0	0	0	6,000	0	
		Aaron Poetter	Mouth	G	0	0	0	10,000	0	
			Bay		0	0	0	0	0	
Fox Bay 3504, 281-3504										
07/15/2009			Stream	G	0	0	0	0	0	NO FISH.
		Aaron Poetter	Mouth	G	0	0	0	0	0	
			Bay	G	0	0	0	0	0	

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Stream	Date	Observer	Location	Visi- bility	Species				Observer Remarks	
					Chinook	Sockeye	Coho	Pink	Chum	
	07/29/2009		Stream	P						NO COUNT DUE TO EXCESSIVE RUNOFF
		Aaron Poetter / Alex Bernard	Mouth	P						
			Bay	P						
	08/15/2009		Stream	P						TOO MUCH LIGHT REFRACTED OFF WATER, UNABLE
		Alex Bernard	Mouth	P						TO GET COUNT.
			Bay	P						
	08/26/2009		Stream	G	0	0	0	700	0	CARCASSES: 100 PINK
		Aaron Poetter	Mouth	G	0	0	0	1,200	0	
			Bay		0	0	0	0	0	
	Fox Bay 3505, 281-3505									
	07/15/2009		Stream	G						JUMPERS OUTSIDE OF THE MOUTH. SALMON ARE IN
		Aaron Poetter	Mouth	G						TOO DEEP OF WATER TO COUNT.
			Bay	G						
	07/29/2009		Stream	P						NO COUNT DUE TO EXCESSIVE RUNOFF
		Aaron Poetter / Alex Bernard	Mouth	P						
			Bay	P						
	08/15/2009		Stream	F	0	0	0	100	0	
		Alex Bernard	Mouth	F	0	0	0	50	0	
			Bay	F	0	0	0	0	0	

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Stream	Date	Observer	Location	Visi- bility	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
	08/26/2009		Stream	G	0	0	0	1,000	0	CARCASSES: 400 PINK
		Aaron Poetter	Mouth							
			Bay							
Boulder Bay, 281-3506										
	07/15/2009		Stream	G	0	0	0	0	0	
		Aaron Poetter	Mouth	G	0	0	0	100	0	
			Bay	G	0	0	0	0	0	
	07/29/2009		Stream	P	0	0	0	0	0	
		Aaron Poetter / Alex Bernard	Mouth	F	0	0	0	200	0	
			Bay	P	0	0	0	0	0	
	08/15/2009		Stream	F	0	0	0	1,200	0	
		Alex Bernard	Mouth	F	0	0	0	0	0	
			Bay	F	0	0	0	250	0	
	08/26/2009		Stream	P	0	0	0	2,500	800	
		Aaron Poetter	Mouth	G	0	0	0	2,000	0	
			Bay	G	0	0	0	0	0	
Near Bluff Point, 281-3507										
	07/29/2009		Stream	P						NO COUNT DUE TO EXCESSIVE RUNOFF
		Aaron Poetter / Alex Bernard	Mouth	P						
			Bay	P						

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Stream	Date	Observer	Location	Visi- bility	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
08/15/2009			Stream	P						
		Alex Bernard	Mouth	P						
			Bay	P						
08/26/2009			Stream		0	0	0	0	0	
		Aaron Poetter	Mouth	G	0	0	0	300	0	
			Bay		0	0	0	0	0	
Not Smiley's Creek, 281-7004										
07/22/2009			Stream	P	0	0	0	1,000	0	
		Aaron Poetter	Mouth	P	0	0	0	0		
			Bay	P	0	0	0	0		
08/15/2009			Stream	F	0	0	0	6,350	0	
		Alex Bernard	Mouth	F	0	0	0	0	0	
			Bay	F	0	0	0	0	0	
Beaver River, 281-7005										
07/15/2009			Stream	G	0	0	0	6,000	0	
		Aaron Poetter	Mouth	F	0	0	0	0	0	
			Bay	F	0	0	0	0	0	
07/23/2009			Stream	P						DIRTY WATER NO COUNT.
		Aaron Poetter	Mouth	P						
			Bay	P						

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Stream	Date	Observer	Location	Visi- bility	Chinook	Sockeye	Coho	Pink	Chum	Observer Remarks
	08/15/2009		Stream	F				1,000		
		Alex Bernard	Mouth	F			1,500	8,900		
			Bay	F						
Lefthand Bay Kagayan, 281-8008										
	07/15/2009		Stream	G	0	0	0	200	0	
		Aaron Poetter	Mouth	G	0	0	0	50	0	
			Bay	G	0	0	0	200	0	
	08/15/2009		Stream	F	0	0	0	2,100	0	
		Alex Bernard	Mouth	F	0	0	0	0	0	
			Bay	F	0	0	0	3,500	0	
Foster Creek, 281-8009										
	07/15/2009		Stream	G	0	0	0	200	0	
		Aaron Poetter	Mouth	G	0	0	0	0	0	
			Bay	G	0	0	0	1,500	0	
	08/15/2009		Stream	F	0	0	0	4,450	0	
		Alex Bernard	Mouth	F	0	0	0	300	0	
			Bay	F	0	0	0	1,500	0	

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Stream		Location	Visi- bility	Species					Observer Remarks
Date	Observer			Chinook	Sockeye	Coho	Pink	Chum	
Monolith Pt. Creek, 281-8011									
08/15/2009		Stream	F	0	0	0	0	0	
	Alex Bernard	Mouth	F	0	0	0	0	0	
		Bay	F	0	0	0	1,200	0	
Foster's Camp Creek, 281-8012									
08/15/2009		Stream	F	0	0	0	500	0	
	Alex Bernard	Mouth	F	0	0	0	0	0	
		Bay	F	0	0	0	0	0	
Johnson Creek, 281-8014									
08/15/2009		Stream	F	0	0	0	1,500	0	
	Alex Bernard	Mouth	F	0	0	0	0	0	
		Bay	F	0	0	0	4,200	0	
Coleman Creek, 281-8015									
08/15/2009		Stream	F	0	0	0	2,600	0	
	Alex Bernard	Mouth	F	0	0	0	2,000	0	
		Bay	F	0	0	0	0	0	
Swedania Pt. Stream, 281-9001									
07/29/2009		Stream	P						
	Aaron Poetter / Alex Bernard	Mouth	P						
		Bay	P						

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NO COUNT DUE TO EXCESSIVE RUNOFF

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Stream		Location	Visi- bility	Species					Observer Remarks
Date	Observer			Chinook	Sockeye	Coho	Pink	Chum	
08/15/2009		Stream	F	0	0	0	7,800	0	
	Alex Bernard	Mouth	F	0	0	0	0	0	
		Bay	F	0	0	0	800	0	
Rough Beach, 281-9002									
07/29/2009		Stream	P	0	0	0	0	0	NO COUNT DUE TO EXCESSIVE RUNOFF
	Aaron Poetter / Alex Bernard	Mouth	P	0	0	0	0	0	
		Bay	P	0	0	0	0	0	
08/15/2009		Stream	F	0	0	0	12,800	0	
	Alex Bernard	Mouth	F	0	0	0	0	0	
		Bay	F	0	0	0	500	0	
W Side San Diego Bay, 281-9003									
08/15/2009		Stream	F	0	0	0	4,100	0	
	Alex Bernard	Mouth	F	0	0	0	400	0	
		Bay	F	0	0	0	0	0	
San Diego Lgn & Strm, 281-9004									
07/29/2009		Stream	P						NO COUNT DUE TO EXCESSIVE RUNOFF
	Aaron Poetter / Alex Bernard	Mouth	P						
		Bay	P						
08/26/2009		Stream	G	0	0	0	15,000	25,000	
	Aaron Poetter	Mouth							
		Bay							

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Stream	Date	Observer	Location	Visi- bility	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
Apollo Creek Minor, 282-1002										
	08/11/2009		Stream	G	0	0	0	3,900	0	
		Alex Bernard	Mouth	G	0	0	0	0	0	
			Bay	G	0	0	0	0	0	
Apollo Creek Major, 282-1003										
	08/11/2009		Stream	G	0	0	0	1,400	0	
		Alex Bernard	Mouth	G	0	0	0	8,000	0	
			Bay	G	0	0	0	0	0	
Acheredin Lake, 282-1004										
	07/15/2009		Stream	G	0	1,300	0	0	0	
		Aaron Poetter	Mouth	G	0	0	0	0	0	
			Bay	G	0	0	0	0	0	
	08/11/2009		Stream	G	0	600	0	0	0	
		Alex Bernard	Mouth	G	0	0	0	0	0	
			Bay	G	0	0	0	0	0	
Unnamed, Delarof Harbor, 282-1010										
	08/11/2009		Stream	G	0	0	0	3,200	0	
		Alex Bernard	Mouth	G	0	0	0	1,600	0	
			Bay	G	0	0	0	0	0	

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Stream		Location	Visi- bility	Species					Observer Remarks
Date	Observer			Chinook	Sockeye	Coho	Pink	Chum	
Apollo Gold Mine, 282-1011									
08/11/2009		Stream	G	0	0	0	0	0	
	Alex Bernard	Mouth	G	0	0	0	400	0	
		Bay	G	0	0	0	0	0	
Ben Green Bight-farm, 282-1016									
07/15/2009		Stream	G	0	0	0	0	0	
	Aaron Poetter	Mouth	G	0	0	0	600	0	
		Bay	G	0	0	0	0	0	
08/11/2009		Stream	G	0	0	0	2,500	0	
	Alex Bernard	Mouth	G	0	0	0	4,500	0	
		Bay		0	0	0	0	0	
Red Cove-popof, 282-1020									
08/11/2009		Stream		0	0	0	0	0	
	Alex Bernard	Mouth		0	0	25	0	0	
		Bay		0	0	0	0	0	
Fox Hole-popof, 282-1103									
08/11/2009		Stream	G						
	Alex Bernard	Mouth	G				600		
		Bay	G						

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Stream	Date	Observer	Location	Visi- bility	Species				Observer Remarks	
					Chinook	Sockeye	Coho	Pink		Chum
W Side Korovin Bay, 282-1105										
	08/11/2009		Stream							NO VISIBLE SIGNS OF FISH OR BIRD ACTIVITY.
		Alex Bernard	Mouth							
			Bay							
Korovin Lake, 282-1106										
	08/11/2009		Stream							NO VISIBLE SIGNS OF FISH OR BIRD ACTIVITY.
		Alex Bernard	Mouth							
			Bay							
Zachary Bay 1202, 282-1202										
	07/09/2009		Stream	G	0	0	0	0	0	
		Aaron Poetter / Matt Keyse	Mouth	G	0	0	0	0	0	
			Bay	G	0	0	0	0	300	
	08/11/2009		Stream	G	0	0	0		550	
		Alex Bernard	Mouth	G	0	0	0	0	0	
			Bay	G	0	0	0	0	0	
Zachary Bay 1203, 282-1203										
	08/11/2009		Stream	G	0	0	0	0	250	
		Alex Bernard	Mouth	G	0	0	0	0	300	
			Bay	G	0	0	0	0	0	

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Stream		Location	Visi- bility	Species					Observer Remarks
Date	Observer			Chinook	Sockeye	Coho	Pink	Chum	
Zachary Bay 1204, 282-1204									
07/15/2009		Stream	G	0	0	0	0	0	
	Aaron Poetter	Mouth	G	0	0	0	0	0	
		Bay	G	0	0	0	900	0	
07/29/2009		Stream	P	0	0	0	0	0	
	Aaron Poetter / Alex Bernard	Mouth	P	0	0	0	0	0	
		Bay	F	0	0	0	0	150	
08/11/2009		Stream	G	0	0	0	750	0	
	Alex Bernard	Mouth	G	0	0	0	4,000	0	
		Bay	G	0	0	0	0	0	
Zachary Bay 1205, 282-1205									
08/11/2009		Stream	G	0	0	0	0	0	
	Alex Bernard	Mouth	G	0	0	0	4,500	0	
		Bay	G	0	0	0	0	0	
Zachary Bay 1206, 282-1206									
08/11/2009		Stream	G	0	0	0	0	0	
	Alex Bernard	Mouth	G	0	0	0	300	0	
		Bay	G	0	0	0	0	0	

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Stream	Date	Observer	Location	Visi- bility	Species				Observer Remarks	
					Chinook	Sockeye	Coho	Pink		Chum
Zachary Bay 1207, 282-1207										
	08/11/2009		Stream	G	0	0	0	0	0	
		Alex Bernard	Mouth	G	0	0	0	200	0	
			Bay	G	0	0	0	0	0	
2nd Stm S. Of Quartz Pt, 282-1208										
	08/11/2009		Stream	G	0	0	0	0	0	
		Alex Bernard	Mouth	G	0	0	0	400	0	
			Bay	G	0	0	0	0	0	
1st Stm S. Of Quartz Pt, 282-1209										
	08/11/2009		Stream	G	0	0	0	0	0	
		Alex Bernard	Mouth	G	0	0	0	350	0	
			Bay	G	0	0	0	0	0	
Zachary Bay 1210, 282-1210										
	07/15/2009		Stream	G	0	0	0	0	0	
		Aaron Poetter	Mouth	G	0	0	0	0	0	
			Bay	G	0	0	0	200	0	
	08/11/2009		Stream	G	0	0	0	0	0	
		Alex Bernard	Mouth	G	0	0	0	150	0	
			Bay	G	0	0	0	0	0	

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Stream	Date	Observer	Location	Visi- bility	Chinook	Sockeye	Coho	Pink	Chum	Observer Remarks
Dry Lagoon, 282-1302										
	07/15/2009		Stream	G	0	0	0	0	0	
		Aaron Poetter	Mouth	G	0	0	0	0	0	
			Bay	G	0	0	0	0	100	
	08/11/2009		Stream	G	0	0	0	42,000	0	
		Alex Bernard	Mouth	G	0	0	0	0	0	
			Bay	G	0	0	0	200	0	
Bay Point, 282-1303										
	07/29/2009		Stream	G	0	0	0	6,300	0	
		Aaron Poetter / Alex Bernard	Mouth	P	0	0	0	0	0	
			Bay	P	0	0	0	0	0	
	08/11/2009		Stream	G	0	0	0	32,000	0	
		Alex Bernard	Mouth	G	0	0	0	2,000	0	
			Bay	G	0	0	0	0	0	
2nd Str S Of Pinn Pt, 282-1305										
	08/11/2009		Stream	G	0	0	0	62,000	0	
		Alex Bernard	Mouth	G	0	0	0	200	0	
			Bay	G	0	0	0	0	0	

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Stream	Date	Observer	Location	Visi- bility	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
Sw. Strm, Long J.lgn, 283-6102										
	08/21/2009		Stream	G	0	5,000	0	117,000	0	20,000 PINKS ARE PRESENT IN THE MOUTH OF THE LAGOON AND 97,000 WERE IN THE STREAM; 1,000 SOCKEYE CARCASSES IN THE STREAM
		Matt Keyse	Mouth		0	0	0	0	0	
			Bay		0	0	0	0	0	
	09/13/2009		Stream	G	0	0	9,800	0	0	
		Matt Keyse	Mouth		0	0	0	0	0	
			Bay		0	0	0	0	0	
Long John Lgn, 2 S., 283-6103										
	07/23/2009		Stream	G						NO FISH OBSERVED
		Aaron Poetter	Mouth	G						
			Bay	G						
Long John Lagoon Springs, 283-6104										
	07/23/2009		Stream	G						NO FISH OBSERVED
		Aaron Poetter	Mouth	G						
			Bay	G						
Long John Lagoon East, 283-6105										
	09/13/2009		Stream	G	0	0	2,680	0	0	2,600 COHO WERE IN THE LAGOON; 80 COHO IN THE STREAM
		Matt Keyse	Mouth		0	0	0	0	0	
			Bay		0	0	0	0	0	

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Stream		Location	Visi- bility	Species					Observer Remarks
Date	Observer			Chinook	Sockeye	Coho	Pink	Chum	
Coal Bay Unnamed, 283-6204									
08/15/2009		Stream	F	0	0	0	1,600	0	
	Alex Bernard	Mouth	F	0	0	0	0	0	
		Bay	F	0	0	0	0	0	
Coal Bay Main Stream, 283-6205									
07/15/2009		Stream	G	0	0	0	200	0	
	Aaron Poetter	Mouth	G	0	0	0	0	0	
		Bay	G	0	0	0	0	0	
07/22/2009		Stream	P	0	0	0	1,000	0	
	Aaron Poetter	Mouth	P	0	0	0	0	0	
		Bay	P	0	0	0	2,000	0	
07/29/2009		Stream	F	0	0	0	2,000	0	
	Aaron Poetter / Alex Bernard	Mouth	P	0	0	0	0	0	
		Bay	P	0	0	0	0	0	
08/15/2009		Stream	F	0	0	0	34,550	0	
	Alex Bernard	Mouth	F	0	0	0	1,500	0	
		Bay	F	0	0	0	0	0	

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Stream		Location	Visi- bility	Species					Observer Remarks
Date	Observer			Chinook	Sockeye	Coho	Pink	Chum	
Lower Chinaman Lgn, 283-6305									
08/29/2009		Stream	P	0	0	0		1,000	
	Aaron Poetter	Mouth	P	0	0	0	0	0	
		Bay	P	0	0	0	0	0	
Chinaman Lgn South, 283-6306									
08/15/2009		Stream	F	0	0	0		1,700	
	Alex Bernard	Mouth	F	0	0	0	0	0	
		Bay	F	0	0	0	0	0	
08/29/2009		Stream	P						
	Aaron Poetter	Mouth	P						
		Bay	P						
09/13/2009		Stream	G	0	0	250	50	0	
	Matt Keyse	Mouth		0	0	0	0	0	
		Bay		0	0	0	0	0	
Chinaman's Lgn 6309, 283-6309									
08/15/2009		Stream	F	0	0	0	0	6,800	
	Alex Bernard	Mouth	F	0	0	0	0	0	
		Bay	F	0	0	0	0	0	

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Stream	Date	Observer	Location	Visi- bility	Species				Observer Remarks
					Chinook	Sockeye	Coho	Pink	
08/29/2009			Stream	P					
		Aaron Poetter	Mouth	P					
			Bay	P					
09/13/2009			Stream	G	0	0	100	0	0
		Matt Keyse	Mouth		0	0	0	0	0
			Bay		0	0	0	0	0
Chinaman Lgn Main, 283-6310									
08/15/2009			Stream	F	0	0	0	0	0
		Alex Bernard	Mouth	F	0	0	0	0	0
			Bay	F	0	0	0	0	2,600
09/13/2009			Stream	F	0	0	110	0	0
		Matt Keyse	Mouth	F	0	0	0	0	0
			Bay	F	0	0	0	0	0
Ruby's Lagoon, 283-6313									
08/15/2009			Stream	F	0	60	0		1,050
		Alex Bernard	Mouth	F	0	0	0	0	0
			Bay	F	0	0	0	0	0
08/29/2009			Stream	P	0	0	0		5,500
		Aaron Poetter	Mouth	P	0	0	0	0	0
			Bay	P	0	0	0	0	0

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Stream		Location	Visi- bility	Species					Observer Remarks
Date	Observer			Chinook	Sockeye	Coho	Pink	Chum	
Dry Lagoon, 283-6314									
08/15/2009		Stream	F	0	0	0	0	0	
	Alex Bernard	Mouth	F	0	0	0	0	50	
		Bay	F	0	0	0	0	0	
Middle Creek, 283-6315									
07/07/2009		Stream	F	0	0	0	100	0	
	Aaron Poetter / Matt Keyse	Mouth	F	0	0	0	0	0	
		Bay	F	0	0	0	0	0	
07/15/2009		Stream	G	0	0	0	200	0	
	Aaron Poetter	Mouth	F	0	0	0	0	0	
		Bay	F	0	0	0	0	0	
07/23/2009		Stream	G	0	0	0	15,000	0	
	Aaron Poetter	Mouth	G	0	0	0	0	0	
		Bay	G	0	0	0	0	0	
07/29/2009		Stream	P						
	Aaron Poetter / Alex Bernard	Mouth	P						
		Bay	P						
08/15/2009		Stream	F	0	0	0	30,500	0	
	Alex Bernard	Mouth	F	0	0	0	0	0	
		Bay	F	0	0	0	0	0	

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Stream	Date	Observer	Location	Visi- bility	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
08/29/2009			Stream	G	0	0	0	54,000	0	CARCASSES: 20,000 PINK
		Aaron Poetter	Mouth		0	0	0	0	0	
			Bay		0	0	0	0	0	
Settlement Point, 283-6316										
07/07/2009			Stream	F	0	0	0	1,300	0	
		Aaron Poetter / Matt Keyse	Mouth	F	0	0	0	0	0	
			Bay	F	0	0	0	0	0	
07/15/2009			Stream	G	0	0	0	5,500	0	
		Aaron Poetter	Mouth	G	0	0	0	0	0	
			Bay	F	0	0	0	0	0	
07/23/2009			Stream	G	0	0	0	23,000	0	
		Aaron Poetter	Mouth	G	0	0	0	0	0	
			Bay	G	0	0	0	0	0	
07/29/2009			Stream	P						NO COUNT DUE TO EXCESSIVE RUNOFF
		Aaron Poetter / Alex Bernard	Mouth	P						
			Bay	P						
08/15/2009			Stream	F	0	0	0	0	0	
		Alex Bernard	Mouth	F	0	0	0	3,500	0	
			Bay	F	0	0	0	68,000	0	

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Stream	Date	Observer	Location	Visi- bility	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
08/29/2009			Stream	G	0	0	0	250,000	0	CARCASSES: 30,000 PINK
		Aaron Poetter	Mouth		0	0	0	0	0	
			Bay		0	0	0	0	0	
Bluff Point Creek, 283-6405										
07/07/2009			Stream	F	0	0	0	30	0	
		Aaron Poetter / Matt Keyse	Mouth	F	0	0	0	0	0	
			Bay	F	0	0	0	0	0	
07/09/2009			Stream	E	0	0	0	0	0	
		Aaron Poetter / Matt Keyse	Mouth	E	0	0	0	0	0	
			Bay	E	0	0	0	1,000	0	
07/14/2009			Stream	G	0	0	0	0	0	
		Aaron Poetter	Mouth	G	0	0	0	0	8,000	
			Bay	F	0	0	0	0	0	
07/23/2009			Stream	G	0	0	0	0	600	
		Aaron Poetter	Mouth	G	0	0	0	0	4,000	
			Bay	F	0	0	0	0	0	
09/13/2009			Stream	G	0	0	1,700	0	0	CARCASSES: 500 CHUM
		Matt Keyse	Mouth	G	0	0	0	0	0	
			Bay	G	0	0	0	0	0	

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Stream		Location	Visi- bility	Species					Observer Remarks
Date	Observer			Chinook	Sockeye	Coho	Pink	Chum	
Canoe Bay River, 283-6406									
07/07/2009		Stream	F	0	0	0	3,800	0	
	Aaron Poetter / Matt Keyse	Mouth	F	0	0	0	0	0	
		Bay	F	0	0	0	0	0	
07/09/2009		Stream	E	0	0	0	1,500	0	
	Aaron Poetter / Matt Keyse	Mouth	E	0	0	0	7,000	0	
		Bay							
07/14/2009		Stream	G	0	0	0	5,000	0	
	Aaron Poetter	Mouth	G	0	0	0	0	0	
		Bay	F	0	0	0	0	0	
07/23/2009		Stream	P						DIRTY WATER NO COUNT.
	Aaron Poetter	Mouth	P						
		Bay	P						
08/29/2009		Stream	P						RIVER AND BAY ARE TOO DIRTY TO COUNT FISH
	Aaron Poetter	Mouth	P						
		Bay	P						
09/13/2009		Stream	G	0	400	10,600	0	0	CARCASSES: 16,200 SOCKEYE
	Matt Keyse	Mouth	G	0	0	0	0	0	
		Bay	G	0	0	0	0	0	

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Stream		Location	Visi- bility	Species					Observer Remarks
Date	Observer			Chinook	Sockeye	Coho	Pink	Chum	
Entrance Creek, 283-6408									
07/23/2009		Stream	G	0	0	0	7,000	0	
	Aaron Poetter	Mouth	G	0	0	0	0	0	
		Bay	G	0	0	0	0	0	
Ness Creek, 283-6410									
07/07/2009		Stream	F	0	0	0	200	0	
	Aaron Poetter / Matt Keyse	Mouth	F	0	0	0	0	0	
		Bay	F	0	0	0	0	0	
07/09/2009		Stream	E	0	0	0	0	0	
	Aaron Poetter / Matt Keyse	Mouth	E	0	0	0	0	0	
		Bay	E	0	0	0	0	0	
Mino Creek, 283-7001									
07/09/2009		Stream	E	0	0	0	8,500	0	
	Aaron Poetter / Matt Keyse	Mouth	E	0	0	0	0	0	
		Bay	E	0	0	0	0	0	
07/14/2009		Stream	G	0	0	0	17,000	0	
	Aaron Poetter	Mouth	G	0	0	0	0	0	
		Bay	F	0	0	0	0	0	

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Stream	Date	Observer	Location	Visi- bility	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
07/22/2009			Stream	F	0	0	0	43,000	0	
		Aaron Poetter	Mouth	F	0	0	0	0	0	
			Bay	F	0	0	0	0	0	
07/29/2009			Stream	E	0	0	0	66,000	0	
		Aaron Poetter / Alex Bernard	Mouth	P	0	0	0	0	0	
			Bay	P	0	0	0	0	0	
08/15/2009			Stream	F	0	0	0	478,000	0	
		Alex Bernard	Mouth	F	0	0	0	0	0	
			Bay	F	0	0	0	0	0	
E. Of Mino Creek, 283-7002										
08/15/2009			Stream	F	0	0	0	15,700	0	
		Alex Bernard	Mouth	F	0	0	0	0	0	
			Bay	F	0	0	0	0	0	
Mcginty's Point, 283-7003										
07/09/2009			Stream	G	0	0	0	0	0	
		Aaron Poetter / Matt Keyse	Mouth	G	0	0	0	0	0	
			Bay	G	0	0	0	0	0	
07/22/2009			Stream	P	0	0	0	3,000	0	
		Aaron Poetter	Mouth	P	0	0	0	0	0	
			Bay	P	0	0	0	0	0	

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Stream		Location	Visi- bility	Species					Observer Remarks
Date	Observer			Chinook	Sockeye	Coho	Pink	Chum	
08/15/2009		Stream	F	0	0	0	8,430	0	
Alex Bernard		Mouth	F	0	0	0	200	0	
		Bay	F	0	0	0	0	0	
Middle Lagoon, 284-1205									
07/14/2009		Stream	F	0	0	0	0	0	
Aaron Poetter / Matt Keyse		Mouth	F	0	0	0	0	0	
		Bay	F	0	0	0	0	0	
09/12/2009		Stream	P	0	200	0	0	0	MUDDY - JUMPERS ON EDGE. COULD NOT ESTIMATE
Matt Keyse		Mouth	P	0	0	0	0	0	FISH
		Bay	P	0	0	0	0	0	IN STREAM; 200 SOCKEYE IN LAKE.
Cannery Creek, 284-1211									
08/14/2009		Stream	G	0	0	0	0	1,000	
Matt Keyse		Mouth		0	0	0	0	0	
		Bay		0	0	0	0	0	
Little John Lgn Sspt, 284-1212									
08/14/2009		Stream	G	0	0	0	0	400	
Matt Keyse		Mouth		0	0	0	0	0	
		Bay		0	0	0	0	0	

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Stream		Location	Visi- bility	Species					Observer Remarks
Date	Observer			Chinook	Sockeye	Coho	Pink	Chum	
Little John Lgn Strm, 284-1213									
08/14/2009		Stream	G	0	0	0	65,000	0	
	Matt Keyse	Mouth		0	0	0	0	0	
		Bay		0	0	0	0	0	
09/12/2009		Stream	G	0	0	8,000	0	0	
	Matt Keyse	Mouth	G	0	0	0	0	0	
		Bay	G	0	0	0	0	0	
Sandy Cove Stream, 284-2001									
08/14/2009		Stream	G	0	0	0	30,000	0	
	Matt Keyse	Mouth	G	0	0	0	0	0	
		Bay	G	0	0	0	4,000	0	
09/12/2009		Stream	G	0	0	600	0	0	CARCASSES: 60 CHUM
	Matt Keyse	Mouth	G	0	0	0	0	0	
		Bay	G	0	0	0	0	0	
Mcginty's Creek, 284-2003									
08/14/2009		Stream	G	0	0	0	59,000	0	
	Matt Keyse	Mouth		0	0	0	0	0	
		Bay		0	0	0	0	0	

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Stream	Date	Observer	Location	Visi- bility	Species				Observer Remarks	
					Chinook	Sockeye	Coho	Pink	Chum	
Sw Bight Creek, 284-2004										
	08/14/2009		Stream	G	0	0	0	39,000	0	
		Matt Keyse	Mouth	G	0	0	0	0	0	
			Bay	G	0	0	0	10,000	0	
Thin Pt Lgn & Entr., 284-2006										
	07/14/2009		Stream	F	0	1,600	0	0	0	
		Aaron Poetter / Matt Keyse	Mouth	F	0	0	0	0	0	
			Bay	F	0	0	0	0	0	
	08/14/2009		Stream	G	0	0	0	25,000	0	
		Matt Keyse	Mouth		0	0	0	0	0	
			Bay		0	0	0	0	0	
	08/21/2009		Stream	G	0	16,000	0	0	0	
		Matt Keyse	Mouth	G	0	0	0	0	0	
			Bay	G	0	2,000	0	0	0	
	09/12/2009		Stream	F	0	0	900	0	0	
		Matt Keyse	Mouth	F	0	0	0	0	0	
			Bay	F	0	0	0	0	0	

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Stream	Date	Observer	Location	Visi- bility	Chinook	Sockeye	Coho	Pink	Chum	Observer Remarks
Thin Pt. Sw, 284-2007										
	08/14/2009		Stream	G	0	0	0	22,000	0	
		Matt Keyse	Mouth	G	0	0	0	0	0	
			Bay	G	0	0	0	6,000	0	
	08/21/2009		Stream	G	0	8,000	0	0	0	
		Matt Keyse	Mouth	G	0	6,000	0	0	0	
			Bay	G	0	0	0	0	0	
Thin Point West, 284-2008										
	08/14/2009		Stream	G	0	4,000	0	0	0	
		Matt Keyse	Mouth							
			Bay							
Thin Pt. Lake Strm, 284-2009										
	09/12/2009		Stream	F	0	3,500	0	0	0	
		Matt Keyse	Mouth	F	0	0	0	0	0	
			Bay	F	0	0	0	0	0	
Thin Pt. Lake, 284-2010										
	07/23/2009		Stream	P						GOOD NUMBER OF JUMPERS OUTSIDE AND IN THE
		Aaron Poetter	Mouth	P						LAGOON..
			Bay	P						NUMEROUS BEARS FISHING. NO FISH OBSERVED

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Stream		Location	Visi- bility	Species					Observer Remarks
Date	Observer			Chinook	Sockeye	Coho	Pink	Chum	
Old Man's Lagoon Str, 284-3201									
07/23/2009		Stream	P	0	0	0	0	0	
	Aaron Poetter	Mouth	P	0	0	0	0	0	
		Bay	P	0	0	0	0	0	
08/14/2009		Stream	G	0	0	0	11,000	0	
	Matt Keyse	Mouth	G	0	0	0	3,000	0	
		Bay							
08/21/2009		Stream	G	0	14,000	0	0	11,000	6,000 SOCKEYE WERE PRESENT IN THE LAGOON AND 8,000 SOCKEYE WERE IN THE STREAM
	Matt Keyse	Mouth	G	0	10,000	0	0	0	
		Bay		0	0	0	0	0	
09/12/2009		Stream	F	0	3,100	0	0	0	
	Matt Keyse	Mouth	F	0	0	0	0	0	
		Bay	F	0	0	0	0	0	
Ram's Creek, 284-3305									
08/21/2009		Stream	F	0	0	0	110,000	0	FLOWN AT 1,000 FEET DUE TO PROXIMITY OF TOWN.
	Matt Keyse	Mouth	F	0	0	0	13,000	0	DIFFICULT TO ACCURATELY ESTIMATE SALMON.
		Bay		0	0	0	0	0	

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Stream		Location	Visi- bility	Species					Observer Remarks
Date	Observer			Chinook	Sockeye	Coho	Pink	Chum	
Mortensen Lagoon, 284-3401									
07/14/2009		Stream	F	0	0	0	0	0	
	Aaron Poetter / Matt Keyse	Mouth	F	0	0	0	0	0	
		Bay	F	0	0	0	0	0	
08/14/2009		Stream	G	0	0	0	0	0	
	Matt Keyse	Mouth	G	0	0	0	0	0	
		Bay	G	0	0	0	0	0	
08/21/2009		Stream	G	0	9,000	0	0	0	
	Matt Keyse	Mouth	G	0	16,000	0	0	0	
		Bay		0	0	0	0	0	
Russel Creek, 284-3402									
07/14/2009		Stream	F	0	4,000	0	0	0	
	Aaron Poetter / Matt Keyse	Mouth	F	0	0	0	0	0	
		Bay	F	0	0	0	0	0	
08/14/2009		Stream	G	0	0	0	0	16,000	
	Matt Keyse	Mouth		0	0	0	0	0	
		Bay		0	0	0	0	0	
08/21/2009		Stream	F	0	0	0	0	15,000	MAINSTEM WITH EXCESSIVE RUN-OFF; 1,000 CHUM
	Matt Keyse	Mouth		0	0	0	0	0	CARCASSES
		Bay		0	0	0	0	0	

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Stream	Date	Observer	Location	Visi- bility	Chinook	Sockeye	Coho	Pink	Chum	Observer Remarks
	09/12/2009		Stream	F	0	0	240	0	60	WATER CLOUDY. DIFFICULT TO ESTIMATE FISH.
		Matt Keyse	Mouth	F	0	0	0	0	0	HEAVY RAINS CLEARED MANY OF THE CHUM
			Bay	F	0	0	0	0	0	CARCASSES.
Barney's Creek, 284-3409										
	08/14/2009		Stream	G	0	0	0	24,000	0	
		Matt Keyse	Mouth		0	0	0	0	0	
			Bay		0	0	0	0	0	
	09/12/2009		Stream	F	0	0	200	0	0	CARCASSES:150 CHUM
		Matt Keyse	Mouth	F	0	0	0	0	0	
			Bay	F	0	0	0	0	0	
Delta Crk. Lenard Hb, 284-3410										
	08/14/2009		Stream	G	0	0	0	69,000	0	
		Matt Keyse	Mouth	G	0	0	0	0	0	
			Bay	G	0	0	0	20,000	0	
	09/12/2009		Stream	F	0	0	2,400	0	0	CARCASSES: 400 CHUM
		Matt Keyse	Mouth	F	0	0	0	0	0	
			Bay	F	0	0	0	0	0	

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Stream		Location	Visi- bility	Species					Observer Remarks
Date	Observer			Chinook	Sockeye	Coho	Pink	Chum	
Lenard Hbr. South, 284-3411									
08/14/2009		Stream	G	0	0	0	2,000	0	
	Matt Keyse	Mouth	G	0	0	0	8,000	0	
		Bay		0	0	0	0	0	
Unnamed Lenard Hbr., 284-3412									
08/14/2009		Stream		0	0	0	0	0	
	Matt Keyse	Mouth	G	0	0	0	12,000	0	
		Bay		0	0	0	0	0	
Belkofski Village Cr, 284-4101									
08/21/2009		Stream	G	0	0	0	50,000	0	
	Matt Keyse	Mouth	G	0	0	0	10,000	0	
		Bay		0	0	0	0	0	
Slavna Point, 284-4202									
08/21/2009		Stream	G	0	0	0	18,000	0	
	Matt Keyse	Mouth	G	0	0	0	9,000	0	
		Bay		0	0	0	0	0	
Indian Head, 284-4203									
08/21/2009		Stream	G	0	0	0	0	27,000	
	Matt Keyse	Mouth	G	0	0	0	0	50,000	
		Bay	G	0	0	0	0	31,000	

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Stream		Location	Visi- bility	Species					Observer Remarks
Date	Observer			Chinook	Sockeye	Coho	Pink	Chum	
Belkofski Bay 4204, 284-4204									
08/14/2009		Stream	G	0	0	0	3,000	6,000	
	Matt Keyse	Mouth	G	0	0	0	14,000	0	
		Bay		0	0	0	0	0	
Belkofski Bay, West, 284-4205									
08/14/2009		Stream	G	0	0	0	2,000	0	
	Matt Keyse	Mouth	G	0	0	0	0	0	
		Bay	G	0	0	0	15,000	0	
Belkofski Bay River, 284-4207									
07/23/2009		Stream	P	0	0	0	0	0	VERY DIRTY WATER. NO FISH OBSERVED.
	Aaron Poetter	Mouth	P	0	0	0	0	0	
		Bay	P	0	0	0	0	0	
08/14/2009		Stream	G	0	0	0	57,000	0	
	Matt Keyse	Mouth	G	0	0	0	15,000	0	
		Bay	G	0	0	0	0	22,000	
08/21/2009		Stream	G	0	0	0	0	81,000	
	Matt Keyse	Mouth	G	0	0	0	0	46,000	
		Bay	G	0	0	0	0	88,000	

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Stream	Date	Observer	Location	Visi- bility	Chinook	Sockeye	Species			Observer Remarks
							Coho	Pink	Chum	
	09/13/2009		Stream	G	0	0	30,000	0	70,000	CARCASSES: 11,000 CHUM
		Matt Keyse	Mouth	G	0	0	0	0	0	
			Bay	G	0	0	0	0	0	
Captain's Harbor, 284-4209										
	08/14/2009		Stream	G	0	0	0	10,000	0	
		Matt Keyse	Mouth	G	0	0	0	0	0	
			Bay	G	0	0	0	15,000	0	
	08/21/2009		Stream	G	0	0	0	90,000	0	
		Matt Keyse	Mouth	G	0	0	0	0	0	
			Bay	G	0	0	0	60,000	0	
Kitchen Anchorage, 284-4210										
	08/14/2009		Stream	G	0	0	0	8,000	0	
		Matt Keyse	Mouth	G	0	0	0	15,000	0	
			Bay	G	0	0	0	90,000	0	
	08/21/2009		Stream	G	0	0	0	13,000	0	
		Matt Keyse	Mouth	G	0	0	0	7,000	0	
			Bay	G	0	0	0	30,000	0	

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Stream		Location	Visi- bility	Species					Observer Remarks
Date	Observer			Chinook	Sockeye	Coho	Pink	Chum	
Dolgoi Hbr, South, 284-5105									
08/21/2009		Stream	P						POOR VISIBILITY DUE TO THICK VEGETATION AND LIGHT CONDITIONS
	Matt Keyse	Mouth							
		Bay							
Dolgoi Hbr, Sw, 284-5106									
08/21/2009		Stream	P						POOR VISIBILITY DUE TO THICK VEGETATION AND LIGHT CONDITIONS
	Matt Keyse	Mouth							
		Bay							
Little Bear Bay, 284-5203									
08/14/2009		Stream		0	0	0	0	0	
	Matt Keyse	Mouth	G	0	0	0	38,000	0	
		Bay		0	0	0	0	0	
Stub Creek, 284-5204									
08/14/2009		Stream		0	0	0	0	0	
	Matt Keyse	Mouth		0	0	0	0	0	
		Bay	G	0	0	0	200,000	100,000	
08/21/2009		Stream	F	0	0	0	1,000	0	
	Matt Keyse	Mouth		0	0	0	0	0	
		Bay		0	0	0	0	0	

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Stream	Date	Observer	Location	Visi- bility	Species				Observer Remarks	
					Chinook	Sockeye	Coho	Pink		Chum
Stream Guard Creek, 284-5205										
	08/14/2009		Stream		0	0	0	0	0	
		Matt Keyse	Mouth		0	0	0	0	0	
			Bay		0	0	0	0	0	
	08/21/2009		Stream	G						
		Matt Keyse	Mouth							
			Bay							
	09/13/2009		Stream	G	0	0	8,000	0	0	
		Matt Keyse	Mouth	G	0	0	0	0	0	
			Bay	G	0	0	0	0	0	
West Spring Holes, 284-5206										
	08/14/2009		Stream		0	0	0	0	0	
		Matt Keyse	Mouth	G	0	0	0	50,000	0	
			Bay		0	0	0	0	0	
	08/21/2009		Stream	F	0	0	0	22,000	0	
		Matt Keyse	Mouth	F	0	0	0	15,000	0	
			Bay		0	0	0	0	0	
	09/13/2009		Stream	G	0	0	10,000	0	0	
		Matt Keyse	Mouth	G	0	0	0	0	0	
			Bay	G	0	0	0	0	0	

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Stream	Date	Observer	Location	Visi- bility	Species				Observer Remarks	
					Chinook	Sockeye	Coho	Pink		Chum
Volcano Sloughs-ctr, 284-5207										
	08/14/2009		Stream	G	0	0	0	5,000	0	
		Matt Keyse	Mouth	G	0	0	0	60,000	0	
			Bay							
	08/21/2009		Stream	F	0	0	0	41,000	0	SHARED MOUTH
		Matt Keyse	Mouth	F	0	0	0	0	0	
			Bay	F	0	0	0	5,000	0	
	09/13/2009		Stream	G	0	0	20,000	0	0	
		Matt Keyse	Mouth	G	0	0	0	0	0	
			Bay	G	0	0	10,000	0	0	
Volcano River, 284-5208										
	08/14/2009		Stream		0	0	0	29,000	0	
		Matt Keyse	Mouth	G	0	0	0	25,000	0	
			Bay		0	0	0	0	0	
	08/21/2009		Stream	F	0	0	0	0	50,000	
		Matt Keyse	Mouth	F	0	0	0	0	10,000	
			Bay		0	0	0	0	0	
	09/13/2009		Stream	G	0	0	2,500	0	0	
		Matt Keyse	Mouth	G	0	0	0	0	0	
			Bay	G	0	0	0	0	0	

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Stream	Date	Observer	Location	Visi- bility	Chinook	Sockeye	Coho	Pink	Chum	Observer Remarks
Dushkin Lagoon, 284-5210										
	07/23/2009		Stream	G	0	0	0	0	0	NO FISH OBSERVED
		Aaron Poetter	Mouth	G	0	0	0	0	0	
			Bay	G	0	0	0	0	0	
Swede's Lake, 284-6003										
	08/14/2009		Stream		0	0	0	0	0	
		Matt Keyse	Mouth	G	0	0	0	0	1,000	
			Bay		0	0	0	0	0	
Ikatan River, 284-6004										
	08/14/2009		Stream	F	0	0	0	22,000	0	EXCESSIVE RUN-OFF IN THE MAIN STEM, BUT SEVERAL TRIBUTARIES ARE CLEAR ENOUGH FOR COUNTING
		Matt Keyse	Mouth		0	0	0	0	0	
			Bay		0	0	0	0	0	
	09/12/2009		Stream	G	0	0	300	0	0	CARCASSES: 70 CHUM
		Matt Keyse	Mouth	G	0	0	0	0	0	
			Bay	G	0	0	100	0	0	
Whirl Point, 284-6005										
	08/14/2009		Stream	G	0	0	0	28,000	0	
		Matt Keyse	Mouth	G	0	0	0	4,000	0	
			Bay		0	0	0	0	0	

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Stream	Date	Observer	Location	Visi- bility	Chinook	Sockeye	Coho	Pink	Chum	Observer Remarks
	09/12/2009		Stream	G	0	0	250	0	0	
		Matt Keyse	Mouth	G	0	0	0	0	0	
			Bay	G	0	0	10	0	0	
Sankin Bay Creek, 284-6006										
	08/14/2009		Stream	G	0	0	0	57,000	0	
		Matt Keyse	Mouth		0	0	0	0	0	
			Bay		0	0	0	0	0	
	09/12/2009		Stream	G	0	0	300	0	100	CARCASSES: 110 CHUM
		Matt Keyse	Mouth	G	0	0	0	0	0	
			Bay	G	0	0	0	0	0	
Whalebone Bay, 284-6007										
	08/14/2009		Stream	G	0	1,600	0	0	0	
		Matt Keyse	Mouth	G	0	0	2,000	0	0	
			Bay		0	0	0	0	0	
	09/12/2009		Stream	G	0	0	190	0	0	
		Matt Keyse	Mouth	G	0	0	0	0	0	
			Bay	G	0	0	0	0	0	

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Stream		Location	Visi- bility	Species					Observer Remarks
Date	Observer			Chinook	Sockeye	Coho	Pink	Chum	
Deadman's Cove, 284-6008									
08/14/2009		Stream	G	0	0	0	30,000	0	
	Matt Keyse	Mouth		0	0	0	0	0	
		Bay		0	0	0	0	0	
09/12/2009		Stream	G	0	0	150	0	0	
	Matt Keyse	Mouth	G	0	0	0	0	0	
		Bay	G	0	0	0	0	0	
Otter Cove, East, 285-4009									
08/14/2009		Stream	G	0	0	0	118,000	0	
	Matt Keyse	Mouth		0	0	0	0	0	
		Bay		0	0	0	0	0	
09/12/2009		Stream	G	0	0	40	0	0	CARCASSES: 1,360 CHUM
	Matt Keyse	Mouth	G	0	0	0	0	0	
		Bay	G	0	0	0	0	0	