

**Fishery Management Report No. 13-44**

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**Kodiak Management Area Commercial Salmon  
Fishery Annual Management Report, 2013**

by

**James Jackson**

and

**Matthew Keyse**

December 2013

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Alaska Department of Fish and Game

Divisions of Sport Fish and Commercial Fisheries



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

***FISHERY MANAGEMENT REPORT NO. 13-44***

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## ABSTRACT

This report provides an overview of the 2013 Kodiak Management Area (KMA) salmon resources, stock status, and commercial, personal use, and subsistence salmon fisheries.

Sockeye salmon *Oncorhynchus nerka* escapements met or exceeded the established goals for Malina, Afognak, Frazer, Saltery, early-run Karluk, late-run Karluk, early-run Ayakulik, late-run Ayakulik, Buskin, Little River, Pasagshak, early-run Upper Station, late-run Upper Station, and Uganik systems. The Kodiak Archipelago and Mainland District pink salmon *O. gorbuscha* escapement goals were met. The Kodiak Archipelago and Mainland District chum salmon *O. keta* lower bound escapement goals were achieved. The Chinook salmon *O. tshawytscha* escapement goal was not achieved in the both the Karluk and Ayakulik rivers. The coho salmon *O. kisutch* escapement goals were achieved in the Buskin, American, Olds, and Pasagshak rivers.

The 2013 KMA commercial salmon fishery began on June 7 and the last reported landing was on September 18. A total of 325 permits were fished, consisting of 170 purse seine permits, 3 beach seine permits, and 152 set gillnet permits. The total commercial salmon harvest in the KMA, including cost recovery harvest, but excluding test fishery harvest and commercially-caught salmon retained, but not sold, was 33,973 Chinook; 2,569,779 sockeye; 268,667 coho; 28,167,703 pink; and 791,877 chum salmon. Commercial harvests were greater than projected based on the forecast for all species of salmon except sockeye and chum salmon. The exvessel value for salmon harvested by all gear types totaled approximately 59.3 million dollars.

Commercially-harvested salmon that were reported as retained for personal use totaled 11,576 salmon in the KMA, consisting of 592 Chinook; 3,032 sockeye; 1,164 coho; 5,721 pink; and 1,067 chum salmon.

Harvest data from subsistence permits issued in 2013 have not yet been summarized.

Key words: salmon, Chinook, *Oncorhynchus tshawytscha*, sockeye, *Oncorhynchus nerka*, coho, *Oncorhynchus kisutch*, pink, *Oncorhynchus gorbuscha*, chum, *Oncorhynchus keta*, , Alaska Department of Fish and Game, AMR, exvessel value, Kodiak Management Area, KMA, BOF, commercial fisheries, subsistence, management plan, annual management report, purse seine, set gillnet, harvest, personal use

## INTRODUCTION

This report describes the Kodiak Management Area (KMA), its salmon *Oncorhynchus* spp. resources, and the commercial salmon fisheries and harvest strategies that were in effect during the 2013 commercial salmon fishing season. A summary is also provided of the 2013 season and historical information pertaining to commercial harvest and effort levels, escapement, subsistence, and commercial harvest retained for personal use. In addition, this report provides a comparison of salmon escapement as it pertains to the condition of salmon stocks found within the KMA.

The KMA comprises the waters of the western Gulf of Alaska surrounding the Kodiak Archipelago and that portion of the Alaska Peninsula bordering the Shelikof Strait between Cape Douglas and Kilokak Rocks (Figure 1). The archipelago is approximately 150 miles long, extending from northeast to southwest.

General information concerning escapements, harvest, and economic value is contained in the body of this report. More detail is provided in a series of appendices describing KMA commercial fishing districts (Appendix A), fishing opportunity and management actions taken during the 2013 season (Appendix B), detailed information on specific fisheries (Appendices C–K), commercial salmon harvest by statistical week and management unit (Appendix L), and indexed peak salmon escapements by species and district (Appendix M). More detailed escapement data by stream are published in a separate escapement report (Fuerst *In prep*).

Due to the effects of the M/V *Exxon Valdez* oil spill, most of the KMA remained closed to commercial salmon fishing during the 1989 season. Most tables and graphs in this report include 1989 data, but exclude it in the historical averages.

## **SALMON RESOURCES**

### **SALMON PRODUCING STREAMS**

Salmon migration or spawning has been documented in approximately 900 streams within the KMA (Johnson and Daigneault 2013), but only 442 streams have been documented to support yearly spawning populations of salmon (Table 1). There are Chinook salmon *O. tshawytscha* in 7 streams, sockeye salmon *O. nerka* in 61 streams, coho salmon *O. kisutch* in 235 streams, pink salmon *O. gorbuscha* in approximately 438 streams, and chum *O. keta* in 214 streams. Majority of the pink salmon streams are located in the Kodiak Archipelago (Afognak, Northwest Kodiak, South West Kodiak, Alitak, Eastside Kodiak, and Northeast Kodiak districts; Appendix A1), with only 101 pink salmon streams located in the Mainland District (on the Alaska Peninsula). In years with very large returns, additional small streams have been used by pink salmon.

### **SUPPLEMENTAL PRODUCTION**

Two hatcheries located in the KMA currently produce salmon to supplement natural salmon production. The Kodiak Regional Aquaculture Association (KRAA) operates both hatcheries: the Kitoi Bay Hatchery on the southeast side of Afognak Island, and Pillar Creek Hatchery near the city of Kodiak (Figure 2). The Kitoi Bay Hatchery primarily produces pink salmon, but also cultures sockeye, chum, and coho salmon (Aro *In prep*). KRAA outstocks (placing juvenile salmon in sites other than the hatchery) some juvenile coho salmon and sockeye salmon from the Kitoi Bay Hatchery, but the majority of the hatchery returns are to be harvested in either the common property or cost-recovery fisheries, or to be used as broodstock. Pillar Creek Hatchery is located north of the City of Kodiak, near Pillar Creek, which drains into Monashka Bay and is used primarily as an incubation facility for sockeye salmon outstocking projects. Chinook salmon are also reared at the Pillar Creek Hatchery for outstocking (Byrne and Seale *In prep*).

The Kodiak Regional Planning Team (KRPT), a group consisting of representatives from the Alaska Department of Fish and Game (ADF&G), KRAA, and the public, is mandated by law (AS 16.10.375–470) to develop and periodically update comprehensive plans for salmon production in the KMA. The KRPT identified sockeye salmon as the priority species for supplemental production (KRPT 1992). The priority status given to sockeye salmon production resulted in remote egg takes, hatchery incubation, and juvenile outstocking by KRAA to enhance harvests, develop broodstocks, and restore depleted runs (Honnold and Schrof 2001). Current enhancement efforts include “put-and-take” projects that involve placement of juvenile salmon at nursery sites where they will return as harvestable adults to systems with no spawning habitat or impassable stream access to spawning habitat.

The KRPT summarized its production goals in an update to the Kodiak Regional Comprehensive Management Plan (KRPT 2011). The long-term goal of the plan is to increase the annual harvest of salmon (over and above the KMA wild salmon harvest) by an additional 6,000 Chinook; 2,500,000 sockeye; 600,000 coho; 15,000,000 pink; and 1,500,000 chum salmon. The recent ten-year (2003–2012) average supplemental production has included an undetermined number of

Chinook salmon and an estimated 328,218 sockeye; 122,940 coho; 5,479,419 pink; and 210,789 chum salmon (Table 2).

In 2013, sockeye salmon were outstocked at Spiridon Lake, Hidden Lake, Katmai Lake near the community of Ouzinkie, Telrod Cove, Anton Larsen Bay, and Crescent Lake near the community of Port Lions to produce harvest opportunities in terminal fisheries near the outlets of these systems. Sockeye salmon were also outstocked in 2013 in Little Kitoi Lake for broodstock development. Coho salmon were outstocked into Crescent Lake, Katmai Lake near the community of Ouzinkie, and Jennifer and Ruth lakes on Afognak Island to provide subsistence and commercial harvest opportunities (Byrne and Seale *In prep*; Aro *In prep*).

## **ESCAPEMENT GOALS AND MONITORING**

### **ESCAPEMENT GOALS**

In 2010, ADF&G staff reviewed previously established escapement goals for the KMA for each system and salmon species and recommended that several be modified or eliminated (Nemeth et al. 2010). The directors of the Division of Commercial Fisheries and the Division of Sport Fish accepted these recommended changes to the escapement goals. In 2013, the KMA commercial salmon fisheries were managed to achieve escapement levels that were within the established ranges or, in some cases, which exceeded lower bound escapement goals. Established goals in the KMA include 2 for Chinook salmon, 14 for sockeye salmon, 4 for coho salmon, and 2 each for pink and chum salmon (Table 3). A comparison of 2013 salmon peak escapements and escapement goals of index streams are outlined in Table 3.

### **ESCAPEMENT MONITORING**

In 2013, weirs were operated on the major systems of the KMA (Table 4; Figure 2; Fuerst *In prep*). The three largest systems with weirs were Karluk River (at Karluk Lagoon), Ayakulik River (at the outlet), and South Olga Lakes (at the outlet of South Olga Creek at Upper Station). Six smaller systems with weirs were Afognak Lake (at Litnik), Saltery Lake, Pasagshak River, Buskin River (at Buskin Lake and also Lake Louise), and Dog Salmon River. On the Dog Salmon River, a fish pass was also operated upstream near the outlet of Frazer Lake. To avoid counting fish twice when summing escapement totals (Table 4), the Dog Salmon weir counts are considered the total escapement for all species in this system, with the exception of sockeye salmon. Only the sockeye salmon that ascend the Frazer Lake fish pass are considered the spawning population, and therefore are considered the escapement for this drainage.

The majority of sockeye salmon and most Chinook salmon ascending rivers in the KMA were counted through these weirs (Tables 3–5; Fuerst *In prep*). The availability of these data allowed for inseason stock-specific management. The remaining KMA sockeye salmon systems were monitored by aerial observation using small fixed-wing aircraft.

Most pink, chum, and coho salmon escapement estimates were also collected from fixed-wing aircraft surveys of bays and streams. Coverage of coho salmon systems was incomplete due to poor weather conditions for conducting surveys and limited budgets. Foot surveys were also conducted on a few streams, primarily along the Kodiak road system. Aerial and foot survey counts were considered an index of the actual escapement for use in season to aid fishery management.

Peak indexed escapements were calculated postseason for all systems surveyed, and together with weir escapement data, were used to estimate an areawide escapement (Table 5). Peak indexed escapement for sockeye, chum, and coho salmon were defined as the highest daily aerial or foot survey count for each system for each year. For pink salmon, peak indexed escapement of each stream surveyed was estimated as the larger of either the highest daily survey count or the sum of two counts which were 30 or more days apart. This was done to compensate for the shorter stream life and more varied spawning dates of pink salmon. For Chinook salmon, peak indexed escapements were defined as the cumulative weir counts minus an estimate of upriver sport fishery harvest. Indexed peak salmon escapement estimates by species and district are listed in Appendix M1. Peak escapement estimates by species for individual streams are published in a separate escapement report (Fuerst *In prep*).

## **STOCK STATUS**

### **Chinook Salmon**

There has been concern about the low returns of Chinook salmon escapement in the Karluk and Ayakulik rivers in recent years. In an attempt to increase escapements, regulation 5 AAC 18.395 provides the ADF&G emergency order authority to prohibit retention of Chinook salmon 28 inches or greater in length by seine gear during fisheries in both the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk when weir counts indicate inadequate escapement.

A weak Chinook salmon run was expected for the Karluk River, non retention of Chinook salmon by seiners was implemented in that portion of the Northwest Kodiak District south of Cape Kuliuk and the Southwest Kodiak District during all fishing periods beginning with the first commercial fishing period on June 5. Neither the Karluk nor Ayakulik rivers met the lower end of the goal range during the 2013 season.

The Karluk River Chinook salmon season total weir count of 1,824 fish (Tables 4; Fuerst *In prep*) was below the escapement goal range of 3,000–6,000 (Table 3; Nemeth et al. 2010). The inriver sport fishery was open but fishermen could not retain any Chinook salmon on the Karluk River in 2013. Because of this, the estimated total escapement was the same as the weir count.

In 2013, a total of 2,369 Chinook salmon were counted through the Ayakulik River weir (Table 4; Fuerst *In prep*). An estimated 50 Chinook salmon were harvested upstream of the weir in the sport fishery (Donn Tracy, personal communication), resulting in an escapement of 2,319 that was below the escapement goal range of 4,000–7,000 (Table 3; Nemeth et al. 2010).

Dog Salmon Creek has a run of Chinook salmon originally introduced in 1970. A total of 96 were counted through the Dog Salmon weir in 2013 (Table 4; Fuerst *In prep*). There is no escapement goal established for this system, but the average total season cumulative weir count in the previous decade (2003–2012) was 220 fish (Fuerst *In prep*). There is no sport fishery allowed for Chinook salmon on Dog Salmon River so the escapement is considered to be the total season cumulative weir count.

### **Sockeye Salmon**

Sockeye salmon counted through weirs accounted for about 94% (1,253,212 fish) of all documented sockeye salmon escapements in 2013. Additional escapements of 73,465 sockeye salmon were estimated by aerial and foot surveys in other systems such as Malina Creek, Ocean

Beach, Kafia Lake, Uganik Lake, Little River Lake, Thorshiem Lake, Pauls Lake, and Swikshak Lagoon (Fuerst *In prep*). Sockeye salmon escapements met or exceeded escapement goals throughout the KMA (Table 3).

### **Coho Salmon**

Estimating coho salmon escapements to KMA streams are difficult because of survey conditions and cost. Coho salmon often do not migrate into streams until late fall, when heavy rains cause water levels to rise and reduce stream water clarity, creating difficult survey conditions. Late-season escapement surveys are also limited by aerial survey budget constraints. Coho salmon escapement goals were reevaluated in 2010 (Nemeth et al. 2010). Information adequate for establishment of escapement goals is available for only the American, Pasagshak, Buskin, and Olds rivers (Table 3). Escapements were estimated using a weir on the Buskin river and foot surveys on the American, Olds, and Pasagshak rivers. Coho salmon escapement goals were achieved in all systems during the 2013 season (Table 3).

With the exception of the Buskin River, most of the weirs were pulled before the peak of the coho salmon run due to high water conditions and budget constraints.

### **Pink Salmon**

The majority of pink salmon streams were monitored by aerial surveys, although about 7.4% (373,733 fish) of the 2013 KMA pink salmon escapement was counted through salmon weirs (Tables 4 and 5). The 2013 pink salmon escapement of 4,450,711 fish in the Kodiak Island Archipelago was within the escapement goal range of 3,000,000–7,000,000 fish (Table 3; Nemeth et al. 2010). The Mainland District pink salmon escapement of 620,680 fish was within the escapement goal range of 250,000–1,000,000 fish (Table 3; Nemeth et al. 2010). District wide escapements are shown in Appendix M1.

### **Chum Salmon**

In 2010, ADF&G's salmon management and research staff changed the aggregated chum salmon escapement goals that were developed in 2007, to separate lower bound sustainable escapement goals for the Kodiak Archipelago and the Mainland District. The majority of the 2013 chum salmon escapement was estimated from aerial surveys, with less than 1% (2,122 fish) counted through weirs (Tables 4 and 5). Estimating chum salmon escapements using aerial observations is more difficult than estimating escapements of other species of salmon. Chum salmon migrate into small sloughs, side creeks, major river systems, and may also occupy more turbid systems, making observations difficult. Limited aerial surveys were conducted on several major KMA chum salmon systems along the Westside of Kodiak Island and in the Mainland District due to the remoteness of these systems. Pink salmon, usually in greater numbers, are often present in chum salmon systems and make counting the less numerous chum salmon difficult or impossible. Because of this, estimates based on aerial surveys are considered minimum estimates of actual escapement.

The 2013 chum salmon escapement in the Mainland District was 112,700 fish, above the minimum goal of 104,000 fish (Table 3; Nemeth et al. 2010). The chum salmon escapement for the Kodiak Archipelago of 284,799 fish exceeded the minimum goal of 151,000 fish (Table 3; Nemeth et al. 2010).

# COMMERCIAL SALMON FISHING

## BACKGROUND

Commercial salmon harvest records for the KMA date back to 1882 (Table 6; Roppel 1986). In 1974, a limited entry system was adopted by the State of Alaska that restricted the number of individuals allowed to participate in the commercial salmon fisheries (Rickey et al. 1975). In 2013, there were 595 commercial salmon fishing permits available in the KMA, of which 325 were fished (Table 7; CFEC 2011). This was above the recent 10-year average (2003–2012) of 305 permits fished annually.

Inseason management of the KMA commercial salmon fishery is structured around seven districts that are subdivided into 56 sections (Appendices A1–A8). These sections are occasionally subdivided further in season to adjust fishing effort in response to unexpected salmon surpluses or deficits. Each section defines a traditional geographic harvest area managed for specific stocks or traditional fishing patterns. Divisions of sections, groups of sections or districts that are opened or closed together are referred to as management units. The Board of Fisheries (BOF) has also designated five Special Harvest Areas (SHAs; 5 AAC 40.085) and one Terminal Harvest Area (THA; 5 AAC 18.378) within the KMA to provide harvest opportunity of enhanced salmon runs (Keyse 2013).

## GEAR TYPES

In the KMA, there are restrictions on the types of gear that can be used in specific management units based on historical gear use patterns (5 AAC 18.330). The majority of the KMA is open to seine gear only. Both purse and beach seine gear are allowed to operate in the entire management area. In the Alitak Bay, Moser Bay, and Olga Bay sections of the Alitak District, set gillnet is the only legal gear type (5 AAC 18.330(d)(2)), except seine gear is allowed after September 4. These sections were designated set gillnet fisheries only prior to Alaska being granted statehood. In 1970, this regulation was amended such that the Moser Bay and Olga Bay sections remained set gillnet fisheries only through September 4; afterward, seine gear is legal in the entire Alitak District.

Set gillnet and seine gear are allowed in the Central Section of the Northwest Kodiak District, making this the only section where all gear types may operate simultaneously (5 AAC 18.330(b)). Since 1974, the geographical areas and their specified gear types have remained unchanged.

## BOARD OF FISHERIES-APPROVED REGULATORY MANAGEMENT PLANS

To regulate Kodiak commercial salmon fisheries, ADF&G staff are guided by ten KMA salmon management plans that describe biological and allocative constraints and were adopted into regulation by the BOF (5 AAC 18.360–369). These plans were all in effect for the KMA in 2013 (Table 8). These plans reflect traditional fishing opportunities and the subsequent harvest allocations that have resulted between and within gear types participating in specific fisheries. These plans are the *Alitak District Salmon Management Plan* (MP) (Appendix D), *Westside Kodiak Salmon MP* (Appendix E), *Eastside Afognak MP* (Appendix G), *Eastside Kodiak Salmon MP* (Appendix I), *Mainland District Salmon MP* (Appendix K), and *North Afognak/Shuyak Island Salmon MP* (Appendix J). The *Cape Igvak Salmon* (Appendix C) and *North Shelikof*

*Strait Sockeye Salmon MPs* (Appendix F) affect Kodiak purse seine permit holders' opportunity to target salmon migrating through the KMA to spawning systems in the Chignik and Cook Inlet management areas. The *Crescent Lake Coho Salmon* and *Spiridon Bay Sockeye Salmon MPs* (Appendix H) provide for full utilization of enhanced stocks while protecting local natural stocks.

## **RECENT REGULATION CHANGES**

The BOF reviews the salmon fishery regulations every three years. The most recent review, in January of 2011, resulted in the following two notable changes:

1. A sunset provision in regulation (5 AAC 18.331(j)) which allowed a permit holder who owns two Kodiak set gillnet permits to operate them both simultaneously, was allowed to go into effect on December 31, 2010. Set gillnet permit holders may only operate one gill net permit.
2. 5 AAC 18.395(b) was adopted directing the ADF&G to prohibit the retention of Chinook salmon 28 inches or greater in length by seine gear between the latitudes of Cape Kuliuk (in the Central Section of the Northwest Kodiak District) to Low Cape (the southern boundary of the Inner Ayakulik Section and the Southwest Kodiak District) if, at any time before July 30, the ADF&G projects that the Karluk River Chinook salmon escapement goal will not be met.

In addition, there were some minor changes made to boundary lines of management units and closed waters. Precise language describing the details is available in the published regulations (ADF&G 2011).

## **SALMON FORECASTS**

The ADF&G forecasts salmon runs to inform the industry and management staff of the likely magnitude of salmon returns. In addition, the length of the initial fishing periods for pink salmon are determined pre-season based on the magnitude of the pink salmon forecast (Keyse 2013). Chinook, coho, pink, and chum salmon harvests are projected by broad geographic area, while forecasts are made for major individual sockeye salmon stocks. Projected harvests are summarized by fishery and geographic area (Table 9; Eggers et al. 2013).

The 2013 commercial Chinook salmon projected harvest was 20,000 fish (Table 9). The sockeye salmon harvest was forecasted to be 2,702,770 fish (Table 9). This projection included formal forecasts for the major sockeye salmon systems of Karluk, Ayakulik, Upper Station, and Dog Salmon (Alitak District), plus projected harvests from minor sockeye salmon systems, supplemental production (from enhancement projects), the Cape Igvak Section, and other miscellaneous systems. The 2013 projected KMA harvest also included 158,690 coho, 17,402,031 pink, and 963,879 chum salmon (Table 9). These projections included expected supplemental production of salmon from Kitoi Bay hatchery and the Spiridon Bay enhancement projects.

## **2013 HARVEST STRATEGY**

### **Seasonal Abundance and Management Consideration**

Fluctuations in the abundance of each species of salmon within the KMA follow a general chronology (Figure 3). Generally, early-run sockeye and Chinook salmon are present throughout June to mid-July, and late-run sockeye salmon are present from mid-July through September.

Pink and chum salmon are present from July through August. Coho salmon are generally present from August through October. Commercial salmon fisheries are structured around the seasonal abundance of specific salmon species.

The 2013 Kodiak Area Commercial Salmon Fishery Harvest Strategy, published in April 2013, outlined the approaching fishing season (Keyse 2013). This document contained a synopsis of the expected chronology of the 2013 commercial salmon fisheries by species, expected escapements and harvests, an overview of pertinent regulations, and a summary of the MPs that guide management throughout the season.

Inseason management actions follow a generalized plan described in a harvest strategy issued annually. This strategy details a specific chronology of management actions related to salmon run timing by species. Sockeye salmon are the primary species on which fisheries are targeted from June through early July. However, some early-run chum salmon stocks may influence management in localized areas. Pink salmon are the primary species managed from early July through mid-August, with some areas managed specifically for local sockeye salmon or chum salmon stocks. Late-run sockeye, coho, and late-run chum salmon are the primary targeted species from mid-August through early September. Coho salmon are the primary species managed after early September.

### **Anticipated Commercial Fishery Openings**

Based primarily on a weak early-run sockeye salmon forecast at Karluk River, the 2013 harvest strategy listed June 9 as the initial opening date of the early-run sockeye salmon fishery (Figure 3; Keyse 2013). The areas expected to be opened included the Central and North Cape sections of the Northwest Kodiak District. Results of the initial opening would be used to evaluate the actual run strength of the Karluk and Ayakulik early-run sockeye salmon stocks. The Foul Bay and Waterfall Bay SHAs, the Inner Kitoi Bay, Outer Kitoi Bay, Duck Bay, and Izhut Bay sections were slated to open to continuous fishing on June 9. The Alitak District was scheduled to open on June 9 if the run strength of early-run sockeye salmon passing Dog Salmon and Upper Station weirs was as strong as expected. The initial opening would be for 33 hours with no extensions. The first fishing period in the Cape Igvak Section could occur as early as June 1, if the Chignik Lake sockeye salmon early run was as strong as expected, and the run timing was normal.

An initial 33-hour opening was scheduled to start June 9 in the Anton Larsen, Sharatin Bay, Kizhuyak Bay, Terror Bay, Inner Uganik Bay, Spiridon Bay, Zachar Bay, and Uyak Bay sections of the Northwest Kodiak District to test run strength of the local chum and sockeye salmon returns. A second fishing period was scheduled for June 14, but was to be concurrent with open fishing periods in the Central and North Cape sections. Additionally, more areas could be opened during the second period if sockeye salmon escapements to local minor systems were of sufficient strength. After June 10, additional fishing time in Westside fisheries was based solely on the strength of the sockeye salmon runs, as determined by escapements.

Initial fishing periods in the Inner and Outer Ayakulik sections of the Southwest Kodiak District were solely dependent on sockeye salmon escapement into Ayakulik River. The pre-season forecast (Eggers et al. 2013), projected a harvestable surplus which could be utilized during openings throughout the sockeye salmon run. Initial periods in the Southeast Afognak Section of the Afognak District were solely dependent on the sockeye salmon escapement into Afognak River.

Additional 33-hour fishing periods were scheduled for June 14 and 21 for select systems with minor sockeye salmon returns. These included the Eastside Kodiak District, the Northwest Afognak Section of the Afognak District, and the Big River and Outer Kukak Bay sections of the Mainland District. These periods were intended to target sockeye salmon runs to Saltery, Ocean Beach, Thorsheim, Long Lagoon, Swikshak, and Kafliia Lake systems.

The initial fishing period targeting pink salmon was scheduled to begin July 6, and subsequent weekly fishing periods were projected for July and August (Keyse 2013). Based on the forecasted pink salmon run strength, the initial general pink salmon opening was set at 57 hours in length, with the two subsequent fishing periods in July set at 81 hours per week. Adjustments in fishing time in late July and August in most areas are predicated on the strength of local pink and chum salmon runs, and in September, on the strength of coho salmon runs.

## **2013 COMMERCIAL SALMON FISHERY SUMMARY**

The 2013 KMA commercial salmon fishery began on June 7 and was open continuously in the Central and North Cape sections until July 8; and in the Outer Karluk Section until July 16. An indefinite period in terminal fisheries began on June 7 in Foul and Waterfall bays and in the Southeast Afognak, Duck Bay, Izhut Bay, Inner Kitoi Bay, and Outer Kitoi Bay sections (Appendix B1 and B2). A total of 5 days of fishing was allowed in the Cape Igvak Section in June because the Chignik sockeye salmon run was strong. The initial 33-hour opening scheduled for June 9 in the Alitak District and Uyak Bay, Zachar Bay, Spiridon Bay, Inner Uganik Bay, Terror Bay, Kizhuyak Bay, Sharatin Bay, and Anton Larsen Bay sections occurred as scheduled. The two 33-hour openings scheduled for June 14 and 21 in the Eastside Kodiak District and the Outer Kukak and Big River sections of the Mainland District occurred as scheduled. A 57-hour fishing period in the Outer Ayakulik Section was allowed to harvest Ayakulik River sockeye salmon starting June 17 (Appendix B1 and B2).

The pink salmon fishery started as scheduled with a 57-hour weekly fishing period on July 6. Because the late sockeye salmon run was as expected to Chignik, the Cape Igvak fishery was allowed 11 additional days of fishing before the end of the allocation period on July 25.

Beyond the anticipated fishery openings in the harvest strategy, additional fishing opportunities were provided by emergency order to facilitate harvest of salmon determined to be in excess of escapement needs based on inseason analysis of abundance. A narrative of the management actions is detailed separately for each plan in Appendices C through K.

In 2013, the KMA commercial salmon harvest occurred over a 104-day period, with the last reported landing occurring on September 18 (Figure 3). A total of 8 shore-based plants processed salmon from the 2013 KMA fishery (Table 10).

## **PERMIT HOLDER PARTICIPATION**

A total of 325 KMA commercial salmon fishing permit holders reported harvests in the common property fishery in 2013. This was 11 fewer permits than during the 2012 season but above the recent 10-year average (2003–2012) of 305 permits (Table 7). Purse seine participation during the 2013 season (170 permits) was 2 permits more than the 2012 season (168 permits) and above the previous 10-year average of 147 permits. Three beach seine permit holders were active during the 2013 season. Set gillnet participation in the 2013 KMA commercial salmon fishing

season, as portrayed in the harvest database was, 152 permits, 12 less than the 2012 (164 permits) season and above the recent 10-year average (2003–2012) of 156 permits (Table 7).

Set gillnet permit participation statistics from 2008 through 2010 are not completely comparable to years prior to 2008 or to the 2013 season because individual set gillnet permit holders were allowed to own 2 permits and operate 2 sets of gear. During the years this regulation (5 AAC 18.331 (j)) was in effect, the ADF&G could not collect accurate effort statistics from the fish ticket data in the KMA set gillnet fishery because the fish ticket did not document the number of dual permit holders fishing both sets of gear.

In 2008 and 2009, dual permit holders were issued only one card that could be used to imprint on a fish ticket. In 2010, dual permit holders were issued two cards, either of which could be used to imprint on a fish ticket. This inconsistency in how cards were issued, along with the ADF&G not documenting the use of multiple permits on one delivery of fish, has caused permit participation statistics to be distorted.

## **HARVEST**

A total of 31,831,999 salmon were harvested in the 2013 KMA commercial fisheries (common property and cost-recovery combined), which was above the recent 10-year (2003–2012) average of 23,770,739 salmon (Table 6).

Purse seine permit holders caught 94.1% (28,344,871) of the total number of salmon harvested which included 29,921 Chinook; 1,735,462 sockeye; 233,912 coho; 25,635,921 pink; and 709,655 chum salmon in the common property fishery (Table 11). Set gillnet permit holders caught 5.8% (1,744,698) of the salmon harvested which included 4,037 Chinook; 728,853 sockeye; 34,731 coho; 895,867 pink; and 81,210 chum salmon in the common property fishery (Table 11). Beach seine permit holders caught 0.1% (25,180) of the salmon harvested which included: 15 Chinook; 5,298 sockeye, 24 coho; 19,535 pink and 308 chum salmon (Table 11).

## **CHINOOK SALMON**

The Chinook salmon harvest of 33,973 fish was above the 2003–2012 average of 17,153 fish (Table 6) and above the projected harvest of 20,000 fish (Table 9). The average weight of Chinook salmon was 7.49 pounds (Table 11). The harvest of Chinook salmon was evenly distributed across districts within the KMA (except the Alitak Bay and Northeast Kodiak districts). The harvest of Chinook salmon ranged from 3,758 fish in the Afognak District to 13 fish in the Northeast Kodiak District.

## **SOCKEYE SALMON**

The sockeye salmon harvest of 2,569,779 fish (Table 6) was below the forecast of 2,702,770 fish (Table 9) and above the 2003–2012 average catch of 2,433,176 fish (Table 6). The average weight of sockeye salmon was 5.78 pounds (Table 11). Approximately 49% of the sockeye salmon harvest (1,261,360 fish) came from the Westside Kodiak fishery.<sup>1</sup> The area near the Kitoi Bay Hatchery accounted for a harvest of 111,933 fish. The Spiridon Lake enhancement project

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<sup>1</sup> From the Southwest Afognak Section (251-10 and 251-20) and the Northwest Kodiak District (except the Spiridon and Settler Cove Special Harvest Areas), Inner and Outer Karluk sections, plus 50% of the Halibut Bay Section from June 21 to July 15 and 100% after July 31, minus the estimated contribution bound for the Spiridon SHA.

produced an estimated harvest of 330,831 sockeye salmon, of which 29% (95,725 fish) were harvested for cost recovery (Table 9 and Appendix H4).

## **COHO SALMON**

The coho salmon harvest of 268,667 (Table 6) was above the forecast of 158,690 fish (Table 9) and also below the 2003–2012 average of 338,777 fish (Table 6). The average weight of coho salmon was 6.62 pounds (Table 11). Westside fisheries caught 85,226 coho salmon, which was above the forecast of 65,338 fish (Table 9). The Eastside/North end Kodiak coho salmon harvest<sup>2</sup> of 93,309 fish was below the forecast of 41,715 fish (Table 9). The Afognak non-hatchery harvest of 21,812 coho salmon was above the forecast of 20,909 fish (Table 9). The coho salmon harvest attributed to the Kitoi Bay Hatchery was 52,714 fish, which was above the hatchery forecast of 8,736 fish (Table 9).

## **PINK SALMON**

The pink salmon harvest of 28,167,703 fish (Table 6) was above the forecasted harvest of 17,402,031 fish (Table 9) and above the most recent five odd-year (2003–2011) average of 22,661,121 fish (Table 6). The average weight of pink salmon was 3.17 pounds (Table 11). The non-hatchery (wild stock) pink salmon harvest of 16,409,074 fish was well above the harvest projection of 6,817,031 fish. The Eastside/Northend Kodiak, accounted for more than 28% of the total KMA pink salmon harvest (8,061,799 fish), and was greater than the forecast of 1,866,995 fish (Table 9). All wild stock pink salmon harvest exceeded the projected harvest (except the Mainland District). The fishery associated with the Kitoi Bay Hatchery accounted for 11,758,629 pink salmon which was above the forecast of 10,585,00 fish (Table 9). Kitoi Bay Hatchery cost recovery accounted for approximately 14% or 1,613,984 of those fish. Additional hatchery-bound pink salmon were likely harvested along the west side and east side of Kodiak and Afognak islands. However, ADF&G does not have a stock separation program for pink salmon and is unable to differentiate stocks.

## **CHUM SALMON**

The chum salmon harvest of 791,877 fish (Table 6) was below the forecast of 963,719 fish (Table 9) and below the 2003–2012 average of 885,011 fish (Table 6). The average weight of the chum salmon harvested in 2013 was 7.84 pounds (Table 11). Westside Kodiak fisheries harvested 193,957 chum salmon, which was slightly below the forecast of 200,812 fish (Table 9). Eastside/North end Kodiak fishery harvest totaled 357,174 chum salmon, which was above the forecast of 247,684 fish. Mainland District harvest totaled 83,366 chum salmon, which was below the forecast of 138,923 fish (Table 9). The chum salmon harvest attributed to the Kitoi Bay Hatchery of 96,142 fish was less than the forecast of 289,182 fish (Table 9).

## **EXVESSEL VALUE**

The estimated total exvessel value of the 2013 fishery was \$59,321,332 (Table 11), which was well above the 2003–2012 average value of \$28,326,874 (Table 12), and the highest since 1988. This exvessel value was based on inseason price estimates and does not reflect additional

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<sup>2</sup> From the Eastside Kodiak District (all 258s and 259-40–259-42), Northeast Kodiak District (259-21–259-25), and the North Cape, Anton Larsen, Sharatin, and Kizhuyak sections, plus part of the Central Section (259-35–259-39).

payments made to fishermen for dock deliveries, refrigerated or iced fish, or postseason adjustments. The average price per pound, by gear and species, can be found in Table 11.

Purse seine permit holders' gross earnings averaged \$304,105 in 2013 (2003–2012 average \$149,845; Table 12). Gillnet permit holders' gross earnings averaged \$55,672 (2003–2012 average \$37,624; Table 12). Beach seine permit holders' gross earnings averaged \$24,550.

## **COST RECOVERY**

KRAA conducted a cost-recovery program from 1987 through 1989 and 2003 through 2013 to pay operational costs at the Kitoi Bay Hatchery from 1987 through 1989 and 2003 through 2013. In 2013, KRAA conducted two cost-recovery programs in the KMA (*Aro In prep*; Byrne and Seale *In prep*). A cost-recovery fishery occurred from August 2 through August 24 in the Inner Kitoi Bay Section harvested 441 sockeye; 1,613,984 pink; and 581 chum salmon were harvested. Also, a cost recovery program in Spiridon Bay SHA (in Telrod Cove) was conducted from June 27 through July 19, and harvested 95,725 sockeye; 2,396 pink; and 123 chum salmon were harvested in this program. The entire cost recovery harvest supporting KRAA programs in the KMA in 2013 included 100,166 sockeye; 1,616,380 pink; and 704 chum salmon.

## **NONCOMMERCIAL SALMON HARVESTS**

### **SUBSISTENCE SALMON FISHERY**

Subsistence salmon permits are available to Alaska residents and are issued annually to obtain harvest data. Since 1989, Kodiak staff has mailed out permits, regulations, and a map showing closed water areas to all permit holders who returned their harvest report from the previous year. Subsistence fishermen are required to return their permits to the ADF&G after the salmon season, listing areas fished by date and salmon harvest by species. With few restrictions, the entire KMA was open to subsistence salmon fishing in recent years. Only the freshwater systems of Afognak Island (which are relatively small, easily accessible, and at risk of over-exploitation) and some areas near heavily exploited salmon systems were closed to subsistence salmon fishing by regulation (5 AAC 01.525).

From 2002 through 2007, varying curtailment measures of the subsistence fishery were necessary to conserve Afognak Lake sockeye salmon for escapement. In 2008 and 2009, the Afognak Lake sockeye salmon run was strong enough to allow subsistence harvest without increasing closed waters or shortening fishing time, but commercial fishing was not allowed. In 2010, the run was strong and closed waters were reduced inseason for both subsistence and commercial fisheries in an attempt to keep sockeye salmon escapement in line with the escapement goal.

In 2013, Chinook salmon runs to the Karluk and Ayakulik rivers were weak and inseason restrictions to the subsistence fishery of Chinook salmon was necessary for both systems. Subsistence fishing for Chinook salmon in the Karluk River drainage was closed on June 29 and in the Ayakulik River drainage on July 8. The 2013 Litnik sockeye salmon run was strong and closed waters were reduced on June 7 to allow for more effective subsistence and commercial harvests and prevent over escapement of sockeye salmon into Afognak Lake.

The 2013 subsistence harvest data were not summarized at the time this report was written. However, 1,865 of the 2,120 permit holders returned subsistence permits and reported a harvest in 2012 of 28,159 salmon, consisting of 54 Chinook; 23,865 sockeye; 2,920 coho; 1,154 pink; and 166 chum salmon (Table 13). Historically, the most utilized subsistence areas are the north end of Kodiak Island (the Buskin and Pasagshak rivers) and the southeast side of Afognak Island at Litnik. Reported subsistence salmon harvests averaged 33,428 fish annually for the 10-year period 2003–2012 (Table 13). Sockeye salmon have accounted for 79% of the recent 10-year average harvest (26,409 fish), followed by coho salmon at 15% (4,920 fish), pink salmon at 5% (1,540 fish), and both chum salmon (312 fish), and Chinook salmon (248 fish) at about 1% (Table 13).

## **RETENTION OF SALMON TAKEN IN COMMERCIAL FISHERIES**

In 1994, the BOF readopted regulation 5 AAC 39.010, which allowed commercial fishermen to retain legally-harvested salmon for their own use. In the KMA, commercial fishermen are required to report the number of salmon taken, but not sold, on an ADF&G fish ticket at the time of landing (5 AAC 18.355(b)). In 1997, 10 permit holders reported 784 salmon retained for their own use (Table 14). This use increased dramatically in 2003, when 36 permit holders retained 24,985 salmon (Table 14). Many salmon were “custom processed” at local processors, normally as vacuum-packed, frozen fillets. It was reported that these salmon were destined for sale as part of direct marketing efforts.

Because of the significant increase of retained salmon and the likelihood that some of these salmon were being sold illegally, in December of 2003 the BOF rewrote the original regulation (5 AAC 18.355(b)) to clarify the intent and to reiterate the unlawful practice of selling commercially-retained salmon without appropriate permits. The BOF also placed the regulation under *General Provisions* (5 AAC 39.010) which reads, “A person engaged in commercial fishing may retain finfish from lawfully taken commercial catch for that person's own use, including, for the use as bait in a commercial fishery. Finfish retained under this section may not be sold or bartered.”

In 2013, 64 permit holders reported retaining 11,576 salmon from their commercial harvest for “home pack” or personal use. This included 592 Chinook; 3,032 sockeye; 1,164 coho; 5,721 pink; and 1,067 chum salmon (Table 14).

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## **TABLES AND FIGURES**

Table 1.—Estimated number of streams with documented salmon production by district, and species, in the Kodiak Management Area.

Management District	Number of Streams <sup>a</sup>	Number of Streams with each Species <sup>b</sup>				
		Chinook	Sockeye	Coho	Pink	Chum
Afognak	97	0	24	88	97	16
Northwest Kodiak	69	0	6	36	69	29
Southwest Kodiak	11	2	3	6	11	6
Alitak	31	1	8	16	31	22
Eastside Kodiak	104	0	9	39	104	57
Northeast Kodiak	29	0	4	29	25	14
Mainland	101	0	7	21	101	70
<b>TOTAL</b>	<b>442</b>	<b>3</b>	<b>61</b>	<b>235</b>	<b>438</b>	<b>214</b>

<sup>a</sup> The State of Alaska's Sport Fisheries Division identifies over 900 streams in the Kodiak Management Area that have documented use by anadromous fish (Johnson and Blanche 2011). Many of these streams are very small and may only be used by pink salmon in years with very large returns.

<sup>b</sup> These estimates are based on current knowledge and are expected to change as more system specific data are collected.

Table 2.—Estimated commercial harvest of salmon from Kodiak Regional Aquaculture Association projects in the Kodiak Management Area, 1994–2013.

Year	Number of Salmon				Total
	Sockeye	Coho	Pink	Chum	
1994	277,884	46,984	2,051,375	10,799	2,387,042
1995	186,371	42,235	4,519,885	215,351	4,963,842
1996	487,900	57,200	979,143	14,189	1,538,432
1997	248,336	110,334	1,213,615	11,029	1,583,314
1998	315,109	148,333	6,272,029	38,118	6,773,589
1999	582,218	116,513	4,057,093	140,896	4,896,720
2000	287,387	133,238	3,659,698	303,783	4,384,106
2001	244,761	151,732	13,126,761	216,266	13,739,520
2002	565,422	209,259	6,696,774	88,724	7,560,179
2003	796,359	144,389	5,533,522	466,205	6,940,475
2004	266,150	128,291	3,962,421	239,610	4,596,472
2005	206,860	151,729	13,603,742	91,814	14,054,145
2006	113,869	168,205	4,158,109	177,548	4,617,731
2007	207,309	125,781	7,884,867	210,699	8,428,656
2008	316,197	120,366	2,118,392	93,025	2,647,980
2009	248,339	154,473	9,080,346	94,905	9,578,063
2010	311,323	116,036	3,241,345	191,277	3,859,981
2011	491,670	70,335	2,174,871	320,532	3,057,408
2012	324,108	49,791	3,036,579	222,276	3,632,754
2013	457,039	53,519	11,812,076	99,592	12,422,226
<u>Average</u>					
2003–2012	328,218	122,940	5,479,419	210,789	6,141,367

*Source:* ADF&G fish ticket summaries.

*Note:* Includes harvest from the Kitoi Bay Hatchery, (Izhut Bay, Duck Bay, and Kitoi Bay sections (statistical areas 252-30 to 252-32 and 252-35)). SHA harvests are from the returns to the Spiridon Lake project (in the Spiridon SHA, 254-50, and adjacent sections), the Foul Bay SHA (251-41), the Waterfall Bay SHA (251-84), and the Settlers Cove SHA (259-35). Includes fish not sold and set aside for personal use by commercial fishermen and cost recovery harvests.

Table 3.—Comparison of 2013 salmon peak escapements and escapement goals of index streams or districts, by species, in the Kodiak Management Area.

<i>Species</i> System (or group of systems)	Stream Number	Escapement Goal		Escapement Estimate <sup>a</sup>
		Lower	Upper	
<i>Chinook</i>				
Karluk <sup>b</sup>	255-101	3,000	6,000	1,824
Ayakulik <sup>b</sup>	256-201	4,000	7,000	2,369
<i>Sockeye</i>				
Malina	251-105	1,000	10,000	3,800
Afognak	252-342	20,000	50,000	42,153
Little River	253-115	3,000		17,600
Uganik	253-122	24,000		26,000
Karluk	255-101			
Early run		110,000	250,000	232,936
Late run		170,000	380,000	338,423
Ayakulik	256-201			
Early run		140,000	280,000	214,969
Late run		60,000	120,000	67,195
Upper Station	257-304			
Early run <sup>c</sup>		25,000	93,000	27,712
Late run		120,000	265,000	125,573
Frazer	257-403	75,000	170,000	135,411
Buskin	259-211	5,000	8,000	16,189
Pasagshak	259-411	3,000		11,421
Saltery	259-415	15,000	35,000	39,679
<i>Coho</i>				
Buskin	259-211	3,200	7,200	5,386
American	259-231	400		841
Olds (Sid Olds)	259-242	1,000		2,145
Pasagshak	259-411	1,200		1,648
<i>Pink</i>				
Mainland District		250,000	1,000,000	620,680
Kodiak Archipelago		3,000,000	7,000,000	4,450,711
<i>Chum</i>				
Mainland District		104,000		112,700
Kodiak Archipelago		151,000		284,799

<sup>a</sup> Escapement estimates in this table are based on the best available information. Some estimates are weir counts. If weir counts are not available, either peak aerial or foot survey counts are depicted. In some cases (such as Malina, for example) the escapement estimate available is a minimal count based on limited information.

<sup>b</sup> Escapement of Chinook salmon includes weir counts minus an estimate of sport fish harvest above the weir.

<sup>c</sup> Upper Station early-run lower bound escapement goal based on Optimum Escapement Goal of 25,000 fish.

Table 4.—Fish weir installation and removal dates and cumulative salmon weir counts for systems with weirs in the Kodiak Management Area, 2013.

Weir Locations	2013 Dates		Salmon Species Enumerated <sup>a</sup>				
	Installed	Removed	Chinook	Sockeye	Coho	Pink	Chum
Karluk River	5/24	9/14	1,824	571,359	11,220	106,885	320
Ayakulik River	5/26	9/2	2,369	282,164	20,594	37,105	80
Dog Salmon Creek <sup>b,c</sup>	5/25	8/16	96		215	28,840	1,594
Frazer Lake fish pass <sup>c</sup>	6/9	8/17	0	136,059	0	0	0
Upper Station River (Olga River)	5/22	9/14	0	153,285	7,197	69,719	0
Litnik (Afognak River)	5/23	8/26	1	42,153	13,090	17,400	1
Buskin River	5/21	9/27	0	16,189	5,386	104,605	39
Lake Louise <sup>d</sup>	7/2	8/30	0	903	0	0	0
Saltery River	6/18	8/5	0	39,679	0	9,073	23
Pasagshak River	6/13	8/7	0	11,421	0	106	65
<b>Totals</b>			<b>4,290</b>	<b>1,253,212</b>	<b>57,702</b>	<b>373,733</b>	<b>2,122</b>

<sup>a</sup> Counts include estimates of escapement after weirs were removed.

<sup>b</sup> Since sockeye salmon that pass Dog Salmon weir that fail to get counted at Frazer Lake fish pass may not spawn, the Frazer Lake fish pass count is considered the best escapement estimate of sockeye salmon, and the Dog Salmon sockeye salmon count is omitted from the totals.

<sup>c</sup> Salmon counted at the Frazer Lake fish pass were initially counted at the Dog Salmon weir, and all species except sockeye salmon are not included in totals.

<sup>d</sup> All species of salmon, with the exception of sockeye salmon, were already counted at the lower Buskin river weir and are not included in totals.

Table 5.—Indexed salmon escapements, by species, in the Kodiak Management Area, 1979–2013.

Year	Number of Salmon					Total
	Chinook	Sockeye	Coho	Pink	Chum	
1979	14,445	1,417,055	94,155	3,063,724	613,325	5,202,704
1980	5,853	1,816,487	27,300	6,401,258	829,070	9,079,968
1981	15,657	1,391,588	61,150	3,190,677	741,978	5,401,050
1982	10,929	1,604,026	86,497	5,370,249	1,023,923	8,095,624
1983	27,447	1,296,118	100,913	2,095,104	825,564	4,345,146
1984	14,411	1,470,230	119,811	4,519,966	604,441	6,728,859
1985	13,891	2,557,363	193,224	3,209,450	723,402	6,697,330
1986	11,025	2,020,773	160,505	3,926,175	688,705	6,807,183
1987	23,669	1,544,688	169,554	3,018,455	514,763	5,271,129
1988	35,015	1,666,319	92,652	3,773,072	614,332	6,181,390
1989 <sup>a</sup>	26,131	3,021,252	165,387	14,645,387	1,432,609	19,290,766
1990	25,996	1,978,885	163,717	6,074,372	474,618	8,717,588
1991	27,306	2,416,005	259,850	4,317,610	887,736	7,908,507
1992	19,013	1,947,247	287,746	3,512,074	530,128	6,296,208
1993	22,122	1,679,319	159,998	4,291,581	234,381	6,387,401
1994	21,591	1,985,432	201,033	3,637,615	521,691	6,367,362
1995	30,843	1,814,290	231,205	10,498,232	469,856	13,044,426
1996	21,089	1,803,929	193,074	3,349,738	394,784	5,762,614
1997	28,534	1,725,309	235,039	3,260,029	459,293	5,708,204
1998	24,652	1,769,131	234,734	7,088,985	374,381	9,491,883
1999	26,872	2,112,665	133,398	4,081,686	882,257	7,236,878
2000	31,362	1,742,208	136,423	4,508,174	888,592	7,306,759
2001	18,753	1,417,344	250,552	3,390,773	557,925	5,635,347
2002	20,115	1,604,130	171,471	8,399,602	530,591	10,725,909
2003	25,548	2,159,040	122,824	5,096,762	380,523	7,784,697
2004	32,939	1,730,489	71,456	8,786,518	533,091	11,154,493
2005	13,488	1,515,916	106,363	4,039,674	244,255	5,919,696
2006	7,467	984,658	64,954	5,842,942	787,549	7,687,570
2007	8,441	1,260,920	49,848	2,550,653	294,342	4,164,204
2008	3,916	931,517	66,200	3,174,124	223,907	4,399,664
2009	4,053	1,118,444	109,190	5,138,889	293,145	6,663,721
2010	8,569	1,095,458	108,081	3,644,133	300,285	5,156,526
2011	7,820	1,014,840	83,812	2,780,214	422,130	4,308,816
2012	8,109	1,302,793	118,814	5,524,374	341,330	7,295,420
2013	4,291	1,326,677	77,310	5,071,191	397,499	6,876,968

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Table 5.–Page 2 of 2.

Year	Number of Salmon					
	Chinook	Sockeye	Coho	Pink	Chum	Total
<u>Average–Previous 10 Years:</u>						
2003–2012	12,035	1,311,408	90,154	4,657,828	382,056	6,453,481
Odd Years Only				3,921,238		
Even Years Only				5,969,464		
<u>Average–Previous Decades:</u>						
1992–2001	24,483	1,799,687	206,320	4,761,889	531,329	7,323,708
1982–1991	21,582	1,957,566	151,211	5,094,984	779,009	8,004,352
<u>Average–Overall:</u>						
1979–2012	18,737	1,673,996	142,086	4,888,302	577,615	7,300,737

*Note:* Data include peak counts from aerial and foot surveys, plus end of season totals from weired systems, except upriver sport harvest of Chinook salmon is deducted from weir counts.

<sup>a</sup> Commercial fisheries were severely restricted in 1989 due to the M/V Exxon Valdez oil spill. Despite this, 1989 data are included in applicable averages.

Table 6.–Commercial salmon harvest, by species, in the Kodiak Management Area, 1882–2013.

Year	Number of Salmon <sup>a</sup>					
	Chinook	Sockeye	Coho	Pink	Chum	Total
1882	-	58,800	-	-	-	58,800
1883	-	188,706	-	-	-	188,706
1884	-	282,184	-	-	-	282,184
1885	-	468,580	-	-	-	468,580
1886	-	646,100	-	-	-	646,100
1887	-	1,004,500	-	-	-	1,004,500
1888	-	2,781,100	-	-	-	2,781,100
1889	-	3,754,735	-	-	-	3,754,735
1890	-	3,592,707	-	-	-	3,592,707
1891	-	3,846,388	-	-	-	3,846,388
1892	-	3,126,459	-	-	-	3,126,459
1893	-	3,244,609	-	-	-	3,244,609
1894	-	3,830,336	-	-	-	3,830,336
1895	-	2,246,966	8,321	-	-	2,255,287
1896	-	3,328,846	-	-	-	3,328,846
1897	-	2,785,515	1,500	-	-	2,787,015
1898	-	2,033,094	19,175	-	-	2,052,269
1899	1,104	1,934,771	32,475	-	-	1,968,350
1900	4,838	3,450,480	32,239	-	-	3,487,557
1901	3,838	4,826,159	-	2,015	-	4,832,012
1902	2,932	3,868,101	34,972	-	-	3,906,005
1903	1,187	1,826,163	119,541	10,000	-	1,956,891
1904	3,190	2,875,118	103,136	5,180	-	2,986,624
1905	2,496	2,142,367	86,913	-	-	2,231,776
1906	3,640	3,980,462	23,738	-	-	4,007,840
1907	4,015	4,232,454	38,059	-	-	4,274,528
1908	3,028	2,487,848	73,789	286,374	-	2,851,039
1909	3,907	1,915,230	51,500	153,595	-	2,124,232
1910	1,598	1,954,717	44,291	215,382	-	2,215,988
1911	689	2,685,949	21,870	229,551	6,492	2,944,551
1912	686	2,246,467	17,491	547,171	24,588	2,836,403
1913	1,082	1,663,163	27,634	590,039	3,822	2,285,740
1914	1,329	1,255,444	32,063	1,726,411	13,094	3,028,341
1915	939	1,664,426	51,819	252,073	20,331	1,989,588
1916	1,038	3,373,055	49,683	3,181,890	28,962	6,634,628
1917	1,457	3,645,914	30,485	225,335	15,961	3,919,152
1918	2,021	1,894,466	78,169	2,467,325	81,699	4,523,680
1919	1,831	1,619,101	104,233	282,715	60,102	2,067,982
1920	1,637	1,957,636	88,970	1,977,421	55,175	4,080,839
1921	660	2,857,922	45,764	67,688	24,779	2,996,813
1922	703	1,097,359	119,724	2,766,257	223,970	4,208,013
1923	1,915	1,090,117	77,554	928,510	38,653	2,136,749
1924	1,002	1,407,525	120,686	5,435,091	117,883	7,082,187
1925	1,911	1,693,057	92,960	2,673,675	212,492	4,674,095
1926	596	3,015,366	174,475	4,606,694	324,706	8,121,837
1927	4,358	1,155,202	151,548	5,297,305	417,956	7,026,369
1928	2,546	1,592,003	290,645	1,535,313	726,480	4,146,987
1929	3,200	712,126	144,226	6,108,402	1,057,662	8,025,616
1930	4,991	466,409	228,800	1,651,398	419,011	2,770,609

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Table 6.–Page 2 of 3.

Year	Number of Salmon <sup>a</sup>					Total
	Chinook	Sockeye	Coho	Pink	Chum	
1931	1,541	1,183,074	170,075	6,839,906	183,737	8,378,333
1932	1,873	1,058,446	52,192	4,719,939	237,023	6,069,473
1933	1,140	1,428,373	91,428	6,573,660	536,935	8,631,536
1934	1,300	1,828,953	89,588	7,641,891	661,341	10,223,073
1935	1,393	1,613,519	76,849	10,780,612	381,753	12,854,126
1936	2,548	2,657,195	183,903	5,647,726	328,218	8,819,590
1937	1,257	1,881,304	164,902	16,787,150	346,238	19,180,851
1938	1,232	1,965,943	154,959	8,397,981	640,119	11,160,234
1939	2,272	1,786,445	112,171	11,741,218	641,693	14,283,799
1940	1,233	1,318,233	148,016	9,997,899	673,265	12,138,646
1941	2,571	1,730,201	199,515	7,601,531	444,521	9,978,339
1942	1,329	1,281,529	106,865	6,092,526	564,924	8,047,173
1943	1,133	1,990,557	59,661	12,479,608	454,205	14,985,164
1944	668	1,817,875	51,675	4,955,354	506,703	7,332,275
1945	2,021	2,041,090	60,122	9,044,544	559,332	11,707,109
1946	129	838,863	56,425	9,545,871	298,486	10,739,774
1947	99	993,394	76,230	8,856,666	294,518	10,220,907
1948	1,401	1,260,465	32,364	5,968,487	330,795	7,593,512
1949	851	892,336	53,737	4,927,779	699,548	6,574,251
1950	2,127	920,885	40,653	5,304,701	685,109	6,953,475
1951	2,402	467,875	48,792	2,100,377	483,057	3,102,503
1952	1,081	603,677	51,567	4,576,726	1,243,227	6,476,278
1953	2,991	317,150	41,681	5,174,645	547,574	6,084,041
1954	942	325,157	66,430	8,439,231	1,250,833	10,082,593
1955	2,428	164,482	34,582	10,794,164	482,425	11,478,081
1956	1,123	271,249	52,844	3,318,841	705,047	4,349,104
1957	1,030	234,253	34,995	4,716,482	1,208,472	6,195,232
1958	1,942	288,014	20,555	4,038,938	930,698	5,280,147
1959	1,837	330,087	14,512	1,967,058	733,784	3,047,278
1960	1,238	362,525	54,308	6,737,817	1,300,386	8,456,274
1961	864	407,979	28,579	3,926,023	518,935	4,882,380
1962	1,095	784,664	54,583	14,113,851	794,727	15,748,920
1963	286	407,040	57,011	5,480,158	305,061	6,249,556
1964	1,306	498,488	35,535	12,044,341	1,134,163	13,713,833
1965	786	346,237	26,672	2,886,831	431,340	3,691,866
1966	599	631,646	67,700	10,755,582	762,766	12,218,293
1967	1,753	308,756	10,354	187,813	226,681	735,357
1968	1,936	760,393	56,629	8,768,122	750,428	10,337,508
1969	2,469	591,481	48,759	12,500,823	534,933	13,678,465
1970	1,089	917,045	66,421	12,035,549	919,102	13,939,206
1971	920	478,479	22,844	4,334,492	1,541,444	6,378,179
1972	1,300	222,408	16,587	2,478,064	1,163,426	3,881,785
1973	800	167,341	3,573	511,708	317,921	1,001,343
1974	545	418,761	13,631	2,647,196	249,294	3,329,427
1975	101	136,418	23,659	294,280	84,431	3,187,410
1976	766	641,484	23,714	11,077,992	740,495	12,484,451
1977	585	623,468	27,920	6,252,405	1,072,313	7,976,691
1978	3,228	1,071,782	48,795	15,004,065	814,345	16,942,215
1979	1,907	630,756	140,629	11,285,809	358,336	12,417,437
1980	529	651,394	139,154	17,290,615	1,075,557	19,157,249

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Table 6.–Page 3 of 3.

Year	Number of Salmon <sup>a</sup>					
	Chinook	Sockeye	Coho	Pink	Chum	Total
1981	1,418	1,288,949	121,544	10,336,747	1,345,313	13,093,971
1982	1,214	1,203,787	344,823	8,089,780	1,262,587	10,902,191
1983	3,839	1,231,989	157,612	4,603,371	1,085,165	7,081,976
1984	4,657	1,950,439	229,524	10,844,293	649,092	13,678,005
1985	4,970	1,842,731	284,166	7,334,825	430,757	9,897,449
1986	4,381	3,188,046	168,690	11,807,727	1,134,372	16,303,216
1987	4,613	1,794,224	192,433	4,920,365	680,994	7,592,629
1988	22,374	2,698,349	303,267	14,262,355	1,426,400	18,712,745
1989 <sup>b</sup>	106	1,289,511	2,599	6,825,124	19,972	8,137,312
1990	18,808	5,247,569	293,819	5,983,812	577,748	12,121,756
1991	22,234	5,702,754	324,860	16,642,836	1,029,057	23,721,741
1992	24,299	4,166,762	280,085	3,310,639	679,540	8,461,325
1993	41,029	4,377,523	313,467	34,019,390	588,328	39,339,737
1994	22,576	2,876,878	296,311	8,162,564	738,851	12,097,180
1995	18,704	4,487,568	307,795	42,849,294	1,522,786	49,186,147
1996	13,071	4,968,954	201,836	3,486,930	543,729	9,214,520
1997	18,728	2,503,423	381,005	11,035,023	520,264	14,458,443
1998	17,341	3,623,031	425,143	22,062,465	316,107	26,444,087
1999	18,299	4,650,738	296,979	11,898,307	913,817	17,778,140
2000	12,293	2,905,403	332,998	9,927,374	1,194,414	14,372,482
2001	23,827	2,657,601	407,977	19,567,052	1,053,691	23,710,148
2002	19,263	1,824,848	496,073	18,327,818	650,144	21,318,146
2003	18,531	4,041,886	339,457	14,065,615	1,151,757	19,617,246
2004	28,899	4,165,880	489,871	21,440,641	1,121,855	27,247,146
2005	14,411	3,047,142	396,030	30,139,434	477,416	34,074,433
2006	20,283	1,583,876	553,524	31,693,347	1,081,989	34,933,019
2007	17,222	2,012,564	356,063	24,809,213	728,912	27,923,974
2008	17,176	1,819,143	300,793	8,788,655	908,035	11,833,802
2009	7,219	1,726,971	288,744	27,648,943	955,808	30,627,685
2010	14,550	1,436,606	266,431	8,864,796	734,806	11,317,189
2011	18,454	2,266,651	188,474	16,642,402	823,202	19,939,183
2012	14,785	2,231,044	208,379	16,873,171	866,334	20,193,713
2013	33,973	2,569,779	268,667	28,167,703	791,877	31,831,999
<u>Averages<sup>b</sup></u>						
2003–2012	17,153	2,433,176	338,777	20,096,622	885,011	23,770,739
Even Years, 2004–2012				17,532,122		
Odd Years, 2003–2011				22,661,121		
1882–2012	5,556	1,828,841	136,743	7,928,810	559,440	10,459,391
1949–2012	8,450	1,672,969	174,216	11,096,193	813,637	13,765,464
Even Years, 1950–2012				10,704,937		
Odd Years, 1949–2011				11,500,070		

Source: 1882–1947 data are from processors case pack information. 1948–2013 data are from ADF&G fish ticket summaries and are considered more accurate than previous data.

<sup>a</sup> Harvest numbers include cost recovery harvest, but do not include subsistence or test fishery catches or commercially caught fish retained for personal use.

<sup>b</sup> Averages do not include 1989. Commercial fisheries were severely limited due to the M/V Exxon Valdez oil spill.

Table 7.—Summary of limited entry permit activity in the commercial salmon fishery, by gear type, in the Kodiak Management Area, 1980–2013.

Year	Purse Seine		Beach Seine		Set Gillnet		Total		Percent
	Available	Fished	Available	Fished	Available	Fished	Available	Fished	
1980	387	370	35	33	187	168	609	571	94
1981	387	325	35	30	187	169	609	524	86
1982	386	345	35	30	187	170	608	545	90
1983	383	342	35	27	188	174	606	543	90
1984	384	296	35	25	188	168	607	489	81
1985	384	270	35	21	188	169	607	460	76
1986	385	287	35	14	187	174	607	475	78
1987	386	298	35	18	188	173	609	489	80
1988	387	323	35	21	188	180	610	524	86
1989 <sup>a</sup>	387	5	35	1	189	87	611	93	15
1990	388	354	35	21	189	184	612	559	91
1991	388	348	35	17	189	185	612	550	90
1992	387	335	35	12	189	178	611	525	86
1993	387	324	36	9	190	176	613	509	83
1994	387	285	36	5	190	169	613	459	75
1995	386	312	36	8	189	173	611	493	81
1996	384	261	36	6	189	172	609	439	72
1997	384	261	36	5	188	174	608	440	72
1998	384	217	36	2	188	171	608	390	64
1999	384	220	36	4	188	173	608	397	65
2000	383	223	34	2	188	173	605	398	66
2001	384	182	34	0	188	172	606	354	58
2002	382	149	34	0	188	93	604	242	40
2003	377	143	33	0	188	161	598	304	51
2004	375	140	32	0	188	164	595	304	51
2005	374	135	31	0	188	165	593	300	51
2006	375	130	31	1	188	153	594	284	48
2007	377	140	31	3	188	157	596	300	50
2008 <sup>b</sup>	374	128	31	0	188	148	593	276	47
2009 <sup>b</sup>	374	157	31	1	188	132	593	290	49
2010 <sup>b</sup>	374	155	31	2	188	158	593	315	53
2011	376	175	31	7	188	157	595	339	57
2012	376	168	31	4	188	164	595	336	56
2013	376	170	31	3	188	152	595	325	55

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Year	Purse Seine		Beach Seine		Set Gillnet		Total		
	Available	Fished	Available	Fished	Available	Fished	Available	Fished	Percent
<u>Recent 10-year Average:</u>									
2003–2012	375	147	31	2	188	156	595	305	51
<u>Average-Previous Decades:</u>									
1992–2001	385	262	36	5	189	173	609	440	72
1982–1991 <sup>a</sup>	386	318	35	22	188	175	609	515	85
<u>Average<sup>a</sup>-Overall:</u>									
1980–2012	382	244	34	10	188	166	604	419	69

*Source:* Commercial Fisheries Entry Commission Summary Information and Reports (CFEC 2010) and ADF&G fish ticket summaries.

<sup>a</sup> Commercial fisheries were severely restricted in 1989 due to the M/V Exxon Valdez oil spill. 1989 data are not included in averages.

<sup>b</sup> From 2008 through 2010, a provision allowing set gillnet permit holders to fish 2 permits has resulted in the second permit not being recorded in the harvest data. This provision was discontinued before the 2011 season.

Table 8.—Alaska Board of Fisheries-approved salmon management plans for the Kodiak Management Area, 2013.

Management Plan	Year Initiated	Management Units Affected	Dates in Effect
Cape Igvak Salmon	1978	Cape Igvak Section Wide Bay Section	6/1–7/25
Alitak District Salmon	1987	Alitak District	6/1–10/31
Westside Kodiak Salmon	1990	NW Kodiak District SW Kodiak District SW Afognak Section	6/1–10/31
North Shelikof Strait Sockeye Salmon	1991	SW Afognak Section NW Afognak Section Shuyak Island Section Big River Section Hallo Bay Section Inner and Outer Kukak Bay Sections Dakavak Bay Section	7/6–7/25
Crescent Lake Coho Salmon	1990	Special Harvest Area in the Central Section near Port Lions	7/15–10/31
Spiridon Bay Sockeye Salmon	1993	Special Harvest Area in Spiridon Bay Section	6/1–10/31
Eastside Afognak Salmon	1993	Southeast Afognak Section Kitoi Bay Section Izhut Bay Section Duck Bay Section Raspberry Strait Section	6/1–10/31
Eastside Kodiak Salmon	1995	Eastside Kodiak District NE Kodiak District	6/14–10/31
Afognak Shuyak Salmon	1995	Perenosa Bay Section Shuyak Island Section NW Afognak Section	6/1–10/31
Mainland District Salmon	1999	Mainland District	6/14–10/31

Table 9.—Projected versus actual 2013 commercial salmon harvest, by species and fishery, for the Kodiak Management Area.

	Number of Salmon					Total
	Chinook	Sockeye	Coho	Pink	Chum	
Projected Harvest 2013 <sup>a</sup>	20,000	2,702,770	158,690	17,402,031	963,719	21,247,210
Actual Harvest 2013 <sup>a</sup>	33,973	2,570,199	268,667	28,167,703	791,879	31,832,421

Fishery	2013 Harvest	
	Projection <sup>b</sup>	Actual <sup>c</sup>
Early Sockeye Salmon Fisheries (6/1–7/15 except Cape Igvak which is 6/1–6/26)		
Kitoi Bay Hatchery <sup>d</sup>	55,440	77,010
Cape Igvak <sup>e</sup>	362,615	295,561
Karluk <sup>f</sup>	158,361	736,398
Ayakulik <sup>g</sup>	211,654	60,329
Alitak District <sup>h</sup>	58,684	170,623
Minor Enhancement <sup>i</sup>	45,700	16,414
Spiridon <sup>j</sup>	259,619	169,318
Other <sup>k</sup>	608,588	96,341
Subtotal	1,760,661	1,621,994
Late Sockeye Salmon Fisheries (7/16–10/31 except Cape Igvak which is 7/8–7/25)		
Kitoi Bay Hatchery <sup>d</sup>	23,760	32,696
Cape Igvak <sup>e</sup>	89,659	97,971
Karluk <sup>f</sup>	306,614	524,962
Ayakulik <sup>g</sup>	90,709	37,739
Alitak District <sup>h</sup>	59,278	51,531
Spiridon <sup>j</sup>	111,265	161,513
Other <sup>k</sup>	260,824	41,793
Subtotal	942,109	948,205
Total Sockeye	2,702,770	2,570,199
Coho Salmon Fisheries		
Kitoi Bay Hatchery <sup>d</sup>	8,736	52,714
Afognak (non-hatchery) <sup>l</sup>	20,909	21,812
Westside Kodiak <sup>m</sup>	65,338	85,226
Alitak District	9,372	4,035
Eastside/Northend Kodiak <sup>n</sup>	41,715	93,309
Mainland District	12,620	11,571
Subtotal	158,690	268,667

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Fishery	2012 Harvest	
	Projection <sup>b</sup>	Actual <sup>c</sup>
Pink Salmon Fisheries		
Kitoi Bay Hatchery <sup>d</sup>	10,585,000	11,758,629
Afognak (non-hatchery) <sup>1</sup>	583,350	1,720,071
Westside Kodiak <sup>m</sup>	3,465,675	3,774,118
Alitak District <sup>n</sup>	591,550	2,648,475
Eastside/Northend Kodiak <sup>n</sup>	1,866,995	8,061,799
Mainland District	309,461	204,611
Subtotal/Wild stock pinks	6,817,031	16,409,074
Subtotal/all pinks	17,402,031	28,167,703
Chum Salmon Fisheries		
Kitoi Bay Hatchery <sup>d</sup>	289,182	96,142
Afognak (non-hatchery) <sup>1</sup>	38,802	27,192
Westside Kodiak <sup>m</sup>	200,812	193,957
Alitak District	48,316	34,048
Eastside/Northend Kodiak <sup>n</sup>	247,684	357,174
Mainland District	138,923	83,366
Subtotal	963,719	791,879
Grand Total <sup>o</sup>	21,247,210	31,832,421

<sup>a</sup> Includes commercial harvest, test fisheries, and cost recovery harvests, but does not include subsistence, sport, or personal use fisheries.

<sup>b</sup> Projected harvests for enhanced and major sockeye systems are based on formal forecasts for those individual stocks (total run minus escapement); the projected harvest from minor sockeye systems and other salmon species are based on less formal escapement to return relationships, environmental factors, and interspecies competition (Eggers and Carroll, 2013).

<sup>c</sup> Actual harvest is the number of fish taken in a particular geographic area, not the catch assigned to an individual salmon stock.

<sup>d</sup> From the Duck Bay, Izhut Bay, and Inner and Outer Kitoi Bay sections only.

<sup>e</sup> From the Cape Igvak Section. Early run is from the beginning of the season through June 26. Late run is from July 8 through July 25.

<sup>f</sup> From the Southwest Afognak Section, Northwest Kodiak District (except for Spiridon and Settler Cove Special Harvest Areas), Inner and Outer Karluk sections, plus 50% of Halibut Bay Section from June 21 through July 15 and 100 % after July 31 minus the estimated contribution from the Spiridon SHA. Includes the majority of Karluk sockeye salmon harvest.

<sup>g</sup> From the Outer and Inner Ayakulik sections, plus 50% of Halibut Bay Section from June 21 through July 15 and 100% from July 16 through July 31.

<sup>h</sup> From the Alitak District.

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- <sup>i</sup> From the Foul Bay, Waterfall Bay, and Settler Cove Special Harvest Areas.
- <sup>j</sup> From the Spiridon Bay Special Harvest Area (Telrod Cove), plus an estimate of the Spiridon-bound sockeye contributing to the Westside Kodiak fishery.
- <sup>k</sup> Includes sockeye salmon harvested from minor systems at Inner and Outer Ugak Bay (Saltery), Buskin River, Perenosa Bay (Portage), Northwest Afognak (Thorsheim & Long Lagoon), Big River (Swishak), and Outer Kukak Bay (Kaflia and Kuliuk ) sections and migrating fish of undetermined origin.
- <sup>l</sup> From the Afognak District except the Duck, Izhut, and Inner and Outer Kitoi Bay sections.
- <sup>m</sup> From the Southwest Kodiak District (all 255s and 256s) and the Northwest Kodiak District (all 253s and 254s), except for the North Cape, Anton Larson, Sharatin, and Kizhuyak sections and part of the Central Section (259-30 to 259-39).
- <sup>n</sup> From the Eastside Kodiak District (all 258s, and 259-40 to 259-42), Northeast Kodiak District (259-21 to 259-25, 259-10), and the North Cape, Anton Larson, Sharatin and Kizhuyak sections, plus part of the Central Section (259-30 to 259-39)
- <sup>o</sup> Includes the projected 2013 harvest of 20,000 Chinook salmon, and the actual harvest of 33,973 Chinook salmon.

Table 10.—Commercial salmon buyers and processing plants active in the Kodiak Management Area, by geographic area and type, 2013.

Buyers/Processors	Shore-based Processors			Floating Processors		
	Kodiak City	Kodiak Borough	Other Areas	Kodiak City	Kodiak Borough	Other Areas
Icicle Seafoods		X				
Alaska Pacific Seafoods	X					
International Seafoods of Alaska	X					
Western Alaska Seafoods	X					
Ocean Beauty Seafoods Kodiak	X					
Trident Seafoods	X					
Ocean Beauty Seafoods Alitak		X				
Alaska Fresh Seafoods	X					
Sun'aq Tribe	X					
Island Seafoods	X					
Old Finest		X				
KSL Guide Services		X				
Auction Block			X			
James Horn F/V Venturess				X		
Stormy Stutes F/V Walter N				X		
Henry Perterson F/V Raven				X		
David Mann F/V Alchemist						X
Mark Gladu F/V Salmon Bay				X		
Totals	8	4	1	4		1

Table 11.—Commercial salmon harvest and value, by gear and species, in the Kodiak Management Area, 2013.

	Number of Salmon						Total	%
	Chinook	Sockeye	Coho	Pink	Chum			
<b>Purse Seine</b>								
Total # <sup>a</sup>	29,921	1,735,462	233,912	25,635,921	709,655	28,344,871	94.1	
<u>Avg. wt.</u>	<u>7.48</u>	<u>5.85</u>	<u>6.44</u>	<u>3.15</u>	<u>7.85</u>			
Total lbs. <sup>a</sup>	223,708	10,147,474	1,506,250	80,754,845	5,571,901	98,204,178	92.1	
<u>Avg. \$/lb.</u> <sup>b</sup>	<u>\$0.78</u>	<u>\$1.57</u>	<u>\$0.45</u>	<u>\$0.39</u>	<u>\$0.45</u>			
Exvessel Value (\$)	\$174,492.24	\$15,931,534.18	\$677,812.50	\$31,494,389.55	\$2,507,355.45	\$50,785,583.92	85.6	
# of Permits =	170							
Average Value (\$)	\$1,026.42	\$93,714.91	\$3,987.13	\$185,261.12	\$14,749.15	\$298,738.73		
Percent (%)	0.3	31.4	1.3	62.0	4.9	100.0		
<b>Beach Seine</b>								
Total # <sup>a</sup>	15	5,298	24	19,535	308	25,180	0.1	
<u>Avg. wt.</u>	<u>9.07</u>	<u>5.13</u>	<u>8.83</u>	<u>3.88</u>	<u>9.02</u>			
Total lbs. <sup>a</sup>	136	27,172	212	75,743	2,777	106,040	0.1	
<u>Avg. \$/lb.</u> <sup>b</sup>	<u>\$0.78</u>	<u>\$1.57</u>	<u>\$0.45</u>	<u>\$0.39</u>	<u>\$0.45</u>			
Exvessel Value (\$)	\$106.08	\$42,660.04	\$95.40	\$29,539.77	\$1,249.65	\$73,650.94	0.1	
# of Permits =	3							
Average Value (\$)	\$35.36	\$14,220.01	\$31.80	\$9,846.59	\$416.55	\$24,550.31		
Percent (%)	0.1	57.9	0.1	40.1	1.7	100.0		
<b>Set Gillnet</b>								
Total # <sup>a</sup>	4,037	728,853	34,731	895,867	81,210	1,744,698	5.8	
<u>Avg. wt.</u>	<u>7.62</u>	<u>5.62</u>	<u>7.83</u>	<u>3.72</u>	<u>7.69</u>			
Total lbs. <sup>a</sup>	30,776	4,094,302	271,782	3,335,893	624,499	8,357,252	7.8	
<u>Avg. \$/lb.</u> <sup>b</sup>	<u>\$1.32</u>	<u>\$1.64</u>	<u>\$0.49</u>	<u>\$0.38</u>	<u>\$0.49</u>			
Exvessel Value (\$)	\$40,624.32	\$6,714,655.28	\$133,173.18	\$1,267,639.34	\$306,004.51	\$8,462,096.63	14.3	
# of Permits =	152							
Average Value (\$)	\$267.27	\$44,175.36	\$876.14	\$8,339.73	\$2,013.19	\$55,671.69		
Percent (%)	0.5	79.3	1.6	15.0	3.6	100.0		
<b>Total All Gear</b>								
Total # <sup>a</sup>	33,973	2,469,613	268,667	26,551,323	791,173	30,114,749	100.0	
<u>Avg. wt.</u>	<u>7.49</u>	<u>5.78</u>	<u>6.62</u>	<u>3.17</u>	<u>7.84</u>			
Total Lbs. <sup>a</sup>	254,620	14,268,948	1,778,244	84,166,481	6,199,177	106,667,470	100.0	
<u>Avg. \$/lb.</u> <sup>b</sup>	<u>\$0.79</u>	<u>\$1.59</u>	<u>\$0.45</u>	<u>\$0.39</u>	<u>\$0.45</u>			
Exvessel Value (\$)	\$215,222.64	\$22,688,849.50	\$811,081.08	\$32,791,568.66	\$2,814,609.61	\$59,321,331.49	100.0	
% of Total Value	0.4	38.2	1.4	55.3	4.7	100.0		

<sup>a</sup> Numbers and pounds of fish are derived from ADF&G fish ticket summaries. There were 10,261 fish tickets generated in 2013; each ticket represents a landing. Each gear type had the following landings: Purse Seine: 5,921; Beach Seine: 42; Set Gillnet: 4,298. Numbers do not include cost recovery, commercially-harvested salmon retained, but not sold, or subsistence, or sport fishery harvests.

<sup>b</sup> Average price per pound figures are based on fish ticket information. Some fish tickets may not show price per pound figures. These average prices may not reflect payments made to fishermen for refrigerated or iced fish, dock deliveries, or postseason settlements.

Table 12.—Commercial salmon harvest, in numbers of fish, exvessel value of the harvest in dollars, and value of average permit holder harvest by gear type, in the Kodiak Management Area, 1975–2013.

Year	Total Catch <sup>a</sup>	Total Value <sup>b</sup>	Average Exvessel Value <sup>c</sup>		
			Purse Seine	Gillnet	Beach Seine
1975	3,187,410	\$3,831,000	\$13,300	\$3,849	\$5,600
1976	12,484,451	\$16,976,000	\$43,017	\$14,481	\$11,035
1977	7,976,691	\$18,873,142	\$46,942	\$19,117	\$12,107
1978	16,942,215	\$30,357,179	\$70,685	\$22,711	\$14,772
1979	12,420,260	\$22,958,317	\$51,263	\$23,363	\$20,348
1980	19,157,249	\$27,410,296	\$62,363	\$21,215	\$23,385
1981	13,094,099	\$32,647,230	\$79,877	\$34,785	\$26,946
1982	10,891,952	\$18,803,822	\$39,309	\$28,889	\$11,038
1983	7,081,976	\$13,405,578	\$30,239	\$16,689	\$5,918
1984	13,678,005	\$25,948,012	\$71,560	\$26,552	\$12,341
1985	9,897,903	\$20,428,111	\$57,782	\$27,517	\$8,405
1986	16,304,165	\$38,723,961	\$92,693	\$68,700	\$11,885
1987	7,746,980	\$31,107,864	\$79,812	\$41,163	\$15,664
1988	19,009,757	\$103,816,936	\$252,388	\$119,013	\$47,017
1989 <sup>d</sup>	26,455,944	\$61,046,024	\$146,502	\$72,955	\$28,288
1990	12,121,689	\$52,761,885	\$111,524	\$71,015	\$10,277
1991	23,721,741	\$31,484,142	\$65,445	\$46,663	\$4,518
1992	8,461,325	\$40,464,655	\$97,917	\$42,133	\$5,414
1993	39,339,737	\$38,729,798	\$95,375	\$44,055	\$8,276
1994	12,097,170	\$27,469,284	\$67,701	\$47,690	\$9,447
1995	49,186,147	\$53,912,881	\$135,605	\$66,413	\$14,337
1996	9,214,520	\$27,528,528	\$70,737	\$52,608	\$2,947
1997	14,458,296	\$21,148,836	\$55,390	\$38,213	\$8,571
1998	26,444,087	\$34,847,388	\$119,512	\$52,082	<sup>e</sup>
1999	17,776,604	\$34,084,142	\$109,243	\$57,927	\$7,308
2000	14,372,182	\$22,103,837	\$71,536	\$35,386	<sup>e</sup>
2001	23,710,148	\$18,898,115	\$78,114	\$27,218	\$0
2002	21,314,421	\$12,651,332	\$68,552	\$26,206	\$0
2003	18,030,034	\$16,307,461	\$79,869	\$30,349	\$0
2004	25,359,691	\$19,260,231	\$93,942	\$37,246	\$0
2005	31,434,179	\$24,067,755	\$129,181	\$40,172	\$0
2006	32,595,862	\$23,788,440	\$150,318	\$27,740	<sup>e</sup>
2007	26,238,930	\$27,224,796	\$148,355	\$41,058	\$3,484
2008	10,127,638	\$25,415,333	\$148,605	\$43,202	\$0
2009	28,338,462	\$33,713,563	\$174,661	\$47,593	<sup>e</sup>
2010	10,291,449	\$24,267,934	\$130,009	\$25,720	<sup>e</sup>
2011	18,228,922	\$44,247,431	\$224,349	\$31,155	\$13,572
2012	19,030,756	\$44,975,796	\$219,164	\$52,007	\$16,367
2013	30,114,749	\$59,321,332	\$304,105	\$55,672	\$24,550

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Table 12.–Page 2 of 2.

Year	Total Catch <sup>a</sup>	Total Value <sup>b</sup>	Average Exvessel Value <sup>c</sup>		
			Purse Seine	Gillnet	Beach Seine
<u>Recent 10-year Average</u>					
2003–2012	21,967,592	\$28,326,874	\$149,845	\$37,624	\$4,775
<u>Average<sup>f</sup> - Previous Decades:</u>					
1990–1999	21,282,132	\$36,243,154	\$92,845	\$51,880	\$7,899
1980–1988	12,984,676	\$34,699,090	\$85,114	\$42,725	\$18,067
<u>Average<sup>f</sup> - Overall</u>					
1975–2012	17,885,597	\$29,855,162	\$98,279	\$39,240	\$10,343

Source: ADF&G Annual Management Reports and Commercial Fisheries Entry Commission reports.

<sup>a</sup> Number of fish. Includes commercial harvest that was sold, but not that set aside for personal use or test fishery harvest, and cost recovery harvests.

<sup>b</sup> Exvessel values for 1975–1976 and 2001–2013 are based on inseason price estimates, and do not include postseason adjustments. Values from 1977–1988 and 1990–2000 are from Commercial Fisheries Entry Commission reports.

<sup>c</sup> Exvessel value is based on fish ticket information. These average values do not reflect payments made to harvesters for iced fish, dock deliveries, and postseason settlements.

<sup>d</sup> In 1989, due to the presence of oil from the M/V Exxon Valdez spill, there were extensive fishery closures. Harvest figures include actual and projected harvest of wild stocks and actual harvest of hatchery stocks from a supplemental cost recovery fishery. The 1989 exvessel value is estimated by multiplying price information from CFEC records for the limited fisheries that did occur by the projected total harvest had there been no oil spill. The 1989 exvessel value by gear type is estimated by using 1988 gear levels and proportional harvest by gear type, as if a normal fishery had occurred on a normal distribution of fish (Barrett et al. 1990).

<sup>e</sup> Confidential data.

<sup>f</sup> 1989 data not included in averages.

Table 13.—Subsistence salmon fishery harvest from ADF&G permit reports, by species, for the Kodiak Management Area, 1978–2012.

Year	Permits Issued	Permits Returned	Percent Returned	Number of Salmon					
				Chinook	Sockeye	Coho	Pink	Chum	Total
1978	860	539	63	50	7,239	3,699	2,747	572	14,307
1979	1,085	697	64	111	10,376	3,840	3,300	333	17,960
1980	1,239	756	61	67	13,746	4,407	2,755	566	21,541
1981	1,166	658	56	49	12,924	4,029	2,458	484	19,944
1982	1,276	993	78	110	16,615	7,192	3,558	667	28,142
1983	1,307	1,082	83	111	15,526	6,283	2,536	800	25,256
1984	1,240	1,061	86	265	17,620	5,808	1,877	720	26,290
1985	1,476	1,196	81	172	16,231	8,873	2,756	855	28,887
1986	1,244	996	80	90	14,391	6,998	2,371	605	24,455
1987	1,124	878	78	101	13,198	6,463	2,421	1,299	23,482
1988	- <sup>a</sup>	2,066	-	108	10,081	4,291	1,320	371	16,171
1989	- <sup>a,b</sup>	1,994	-	43	12,638	4,123	1,553	419	18,776
1990	- <sup>a</sup>	2,340	-	131	17,959	8,627	1,605	655	28,977
1991	- <sup>a</sup>	2,660	-	177	21,835	8,208	1,743	714	32,677
1992	- <sup>a</sup>	2,614	-	318	20,684	8,643	1,646	643	31,934
1993	- <sup>a</sup>	1,774	-	243	19,471	7,176	2,696	838	30,424
1994 <sup>c</sup>	2,550	1,518	60	205	17,962	7,491	1,758	440	27,856
1995 <sup>c</sup>	1,950	1,218	62	175	19,416	5,603	1,548	293	27,035
1996 <sup>c</sup>	1,567	1,429	91	253	28,287	5,117	1,125	381	35,163
1997 <sup>c</sup>	2,098	1,648	79	383	33,293	6,369	1,458	234	41,737
1998 <sup>c</sup>	1,845	1,145	62	350	20,459	5,348	1,412	214	27,783
1999 <sup>c</sup>	1,845	1,437	78	397	26,534	4,974	1,229	388	33,522
2000 <sup>c</sup>	1,711	1,679	98	351	31,667	6,383	977	375	39,753
2001 <sup>c</sup>	2,378	2,009	84	273	33,878	5,920	1,158	427	41,656
2002 <sup>c</sup>	2,277	2,068	91	588	33,844	6,175	1,665	350	42,622
2003 <sup>c</sup>	2,272	2,052	90	510	32,193	6,098	1,509	388	40,698
2004 <sup>c</sup>	2,241	2,063	92	379	30,503	5,857	1,403	261	38,403
2005 <sup>c</sup>	2,290	1,958	86	434	27,664	7,703	2,350	592	38,743
2006 <sup>c</sup>	2,095	1,911	91	280	22,985	6,640	1,827	441	32,173
2007 <sup>c</sup>	2,096	1,929	92	207	25,656	4,715	1,585	266	32,429
2008 <sup>c</sup>	2,037	1,745	86	159	21,852	4,570	1,180	186	27,947
2009 <sup>c</sup>	1,926	1,786	93	176	23,134	4,127	1,926	345	29,708
2010 <sup>c</sup>	2,022	1,896	94	158	22,200	4,200	1,266	273	28,097
2011 <sup>c</sup>	2,210	2,004	91	122	34,037	2,367	1,199	198	37,923
2012 <sup>c</sup>	2,120	1,865	88	54	23,865	2,920	1,154	166	28,159
<u>Recent 10-year Average</u>									
2003-2012	2,131	1,921	90	248	26,409	4,920	1,540	312	33,428
species composition by percent				1%	79%	15%	5%	1%	100%
<u>Averages<sup>b</sup> - Previous Decades:</u>									
1990-1999	1,976	1,778	90	263	22,590	6,756	1,622	480	31,448
1980-1988	1,259	1,076	85	119	14,481	6,038	2,450	707	23,677
1970-1979	973	618	64	81	8,808	3,770	3,024	453	16,053
<u>Average<sup>b</sup> - Overall</u>									
1978-2012	1,777	1,579	81	222	21,686	5,797	1,868	481	30,055

Source: 1981 and 1986 to 2012 data is from the ADF&G subsistence permit database. Data from all other years is from Area Management Reports (AMRs). In some cases, AMRs may show slightly higher harvests than the permit database, likely due to late permits that may not have been entered into the system. The harvest information is only from those permits that were returned, so may not represent the total KMA subsistence salmon harvest.

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- <sup>a</sup> Permits were mailed to all previous applicants, totaling approximately 2,800. Many were returned as undeliverable. Those names were removed from subsequent mailing lists. Accurate counts of the number of permits issued were not kept.
- <sup>b</sup> In 1989 harvest patterns were unusual due to the M/V Exxon Valdez oil spill. 1989 data is not included in averages. There was also an Exxon-sponsored subsistence fishery in Karluk Lagoon, and those harvests are not included. Harvest totaled an additional 1 Chinook, 13,329 sockeye, 523 coho, 47 pink, and 19 chum salmon.
- <sup>c</sup> In 1994, the salmon and shellfish subsistence permitting programs were merged. Since then, the total number of permits includes permits mailed to all previous permit holders and permits issued by ADF&G staff in the City of Kodiak and Kodiak Island villages.

Table 14.—Retention of salmon taken in commercial salmon fisheries but not sold, by species, for the Kodiak Management Area, 1997–2013.

Year	Permits	Landings	Number of Salmon <sup>a</sup>					Total
			Chinook	Sockeye	Coho	Pink	Chum	
1997	10	10	7	678	91	6	2	784
1998	4	5	8	26	9	0	0	43
1999 <sup>b</sup>								
2000 <sup>b</sup>								
2001	9	14	16	465	1,215	0	33	1,729
2002	33	56	57	5,447	7,542	566	0	13,612
2003 <sup>c</sup>	36	87	72	11,025	12,310	1,492	86	24,985
2004	13	39	8	3,052	290	253	10	3,613
2005	16	37	54	4,432	811	4,385	11	9,693
2006	31	52	100	1,442	2,786	1,140	128	5,596
2007	13	25	26	1,577	520	2,246	8	4,377
2008	19	40	76	2,513	681	0	0	3,270
2009	23	32	49	805	2,726	883	6	4,469
2010	42	75	160	2,330	2,976	6,267	15	11,748
2011	57	117	161	1,314	2,009	6,390	67	9,941
2012	57	137	195	4,115	1,971	1,412	31	7,724
2013	64	152	592	3,032	1,164	5,721	1,067	11,576
10-year Average:								
2003–2012	31	64	90	3,261	2,708	2,447	36	8,542

Source: ADF&G fish ticket data base

<sup>a</sup> This is the number of salmon taken by CFEC permit holders with commercial gear during commercial fishing periods that was not sold, but instead was kept for the crew's own use. Prior to 1997 this data was not recorded on ADF&G fish tickets.

<sup>b</sup> Confidential data.

<sup>c</sup> In 2003, there was concern that salmon taken as home pack were being custom processed for later sale for consumptive use. In response, the Alaska Board of Fisheries adopted a regulation clearly stating that these fish were not to be sold or bartered (5 AAC 39.010).

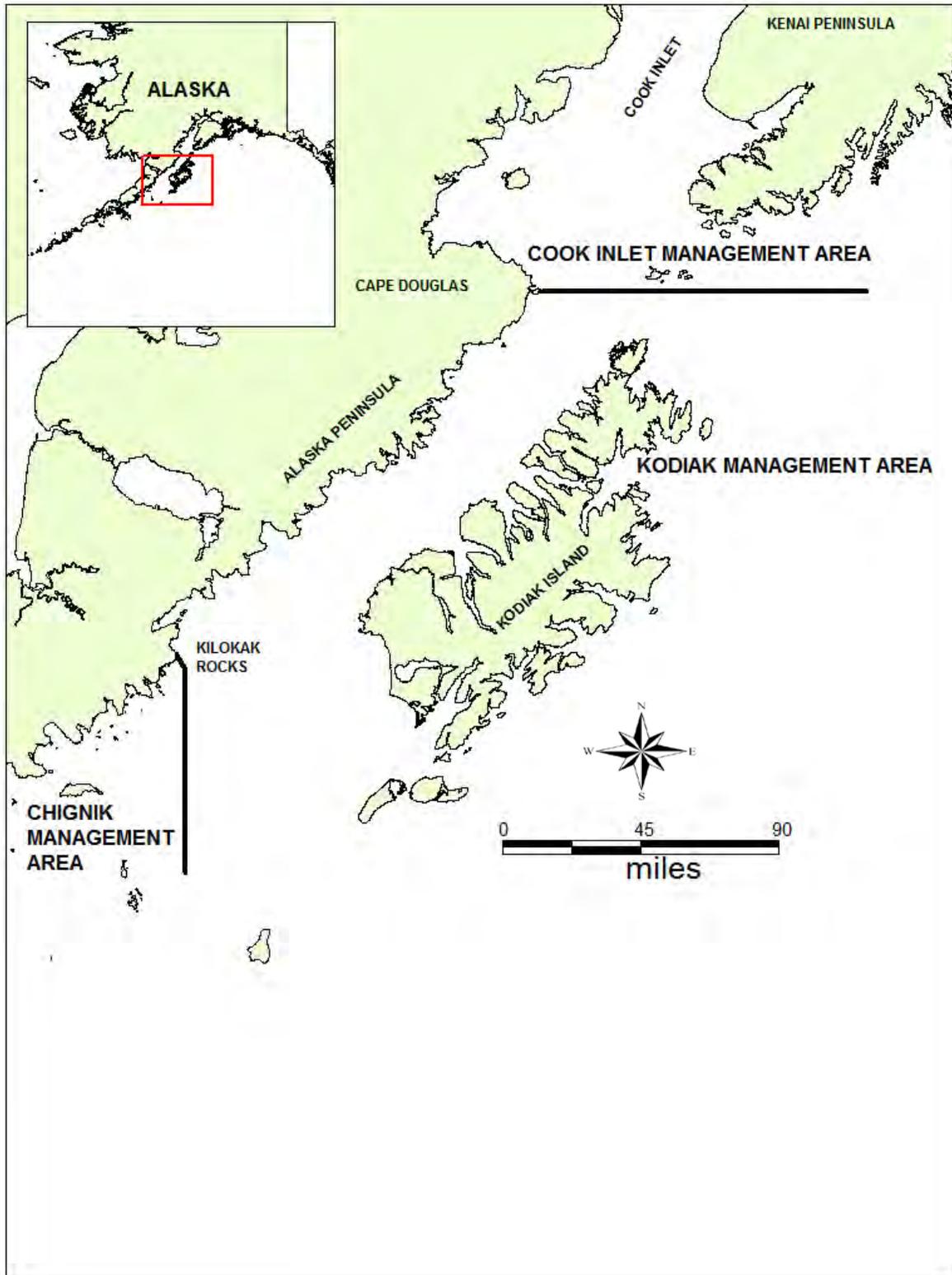


Figure 1.—Map of the Kodiak Management Area and neighboring management areas, 2013.

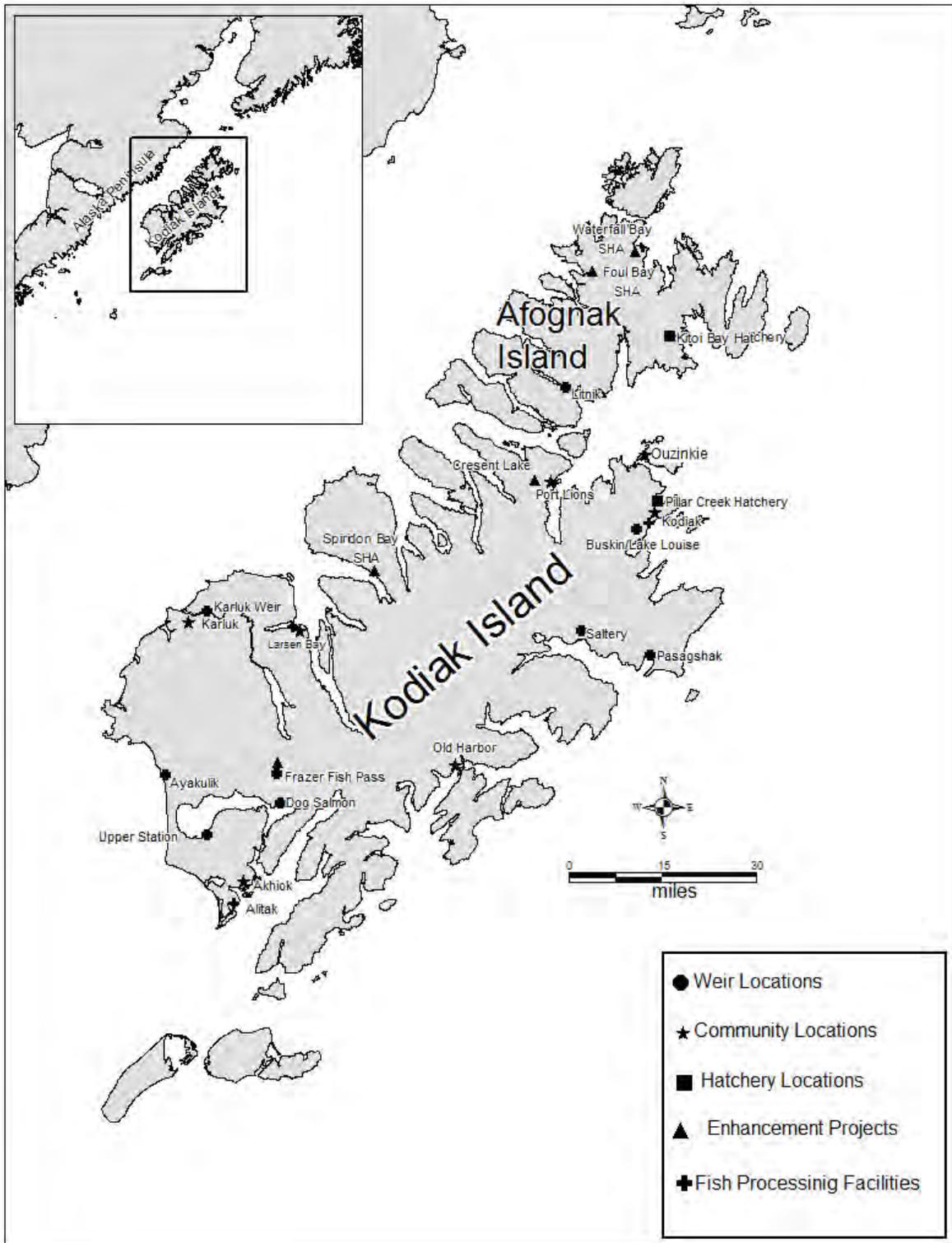


Figure 2.—Map of the Kodiak Archipelago showing communities, fish processing facilities, sockeye salmon enhancement projects, weirs, and hatchery locations in the Kodiak Management Area, 2013.

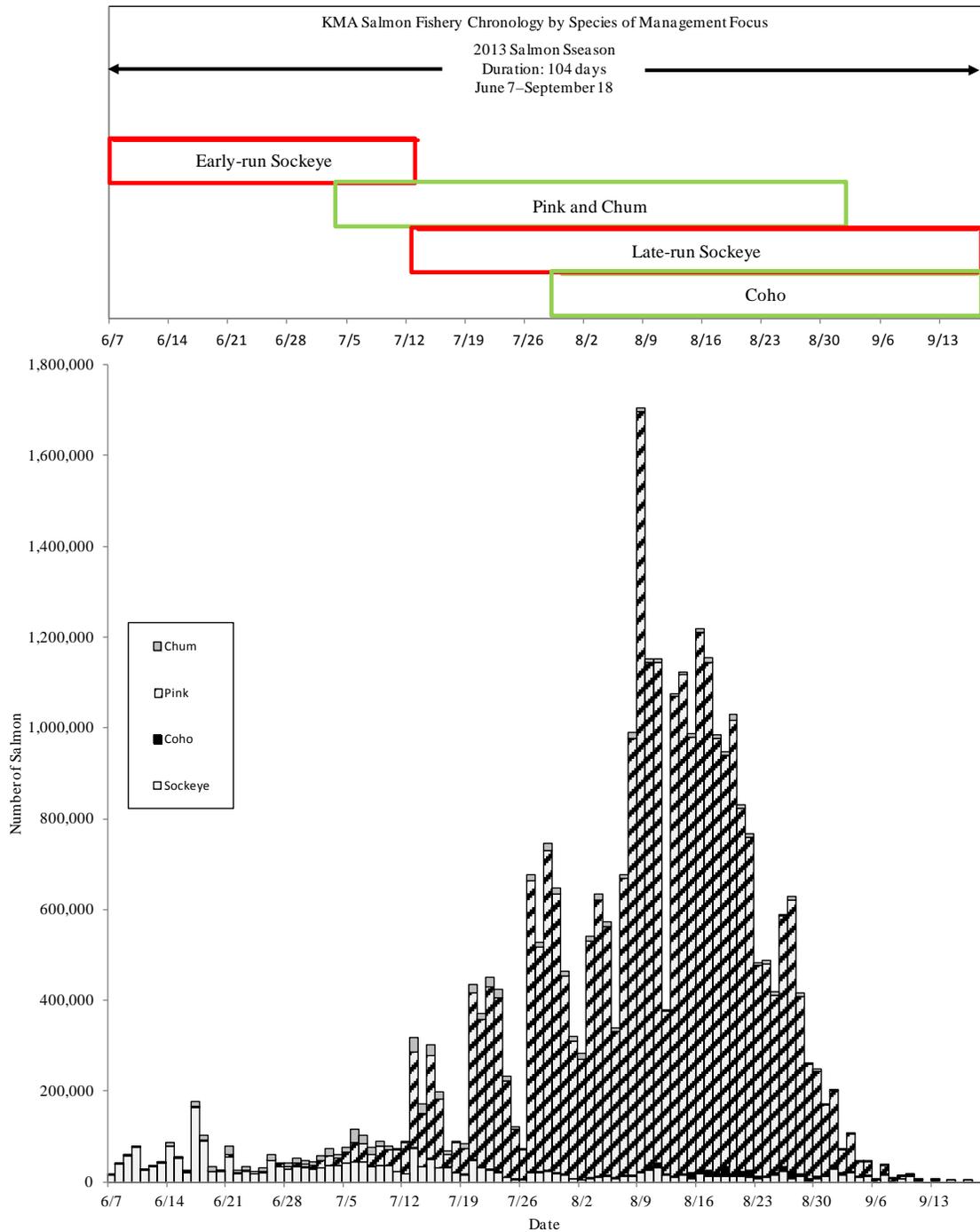
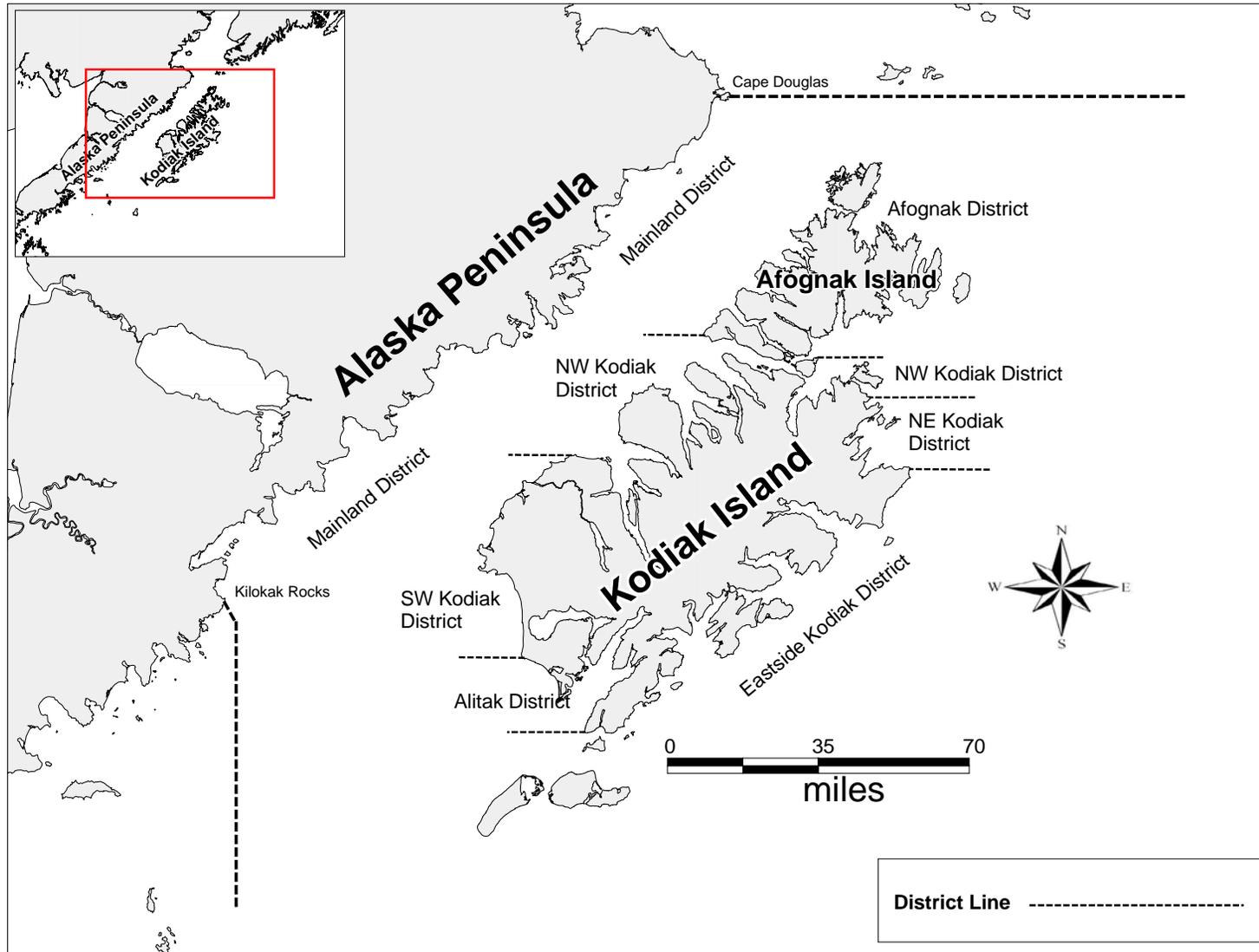


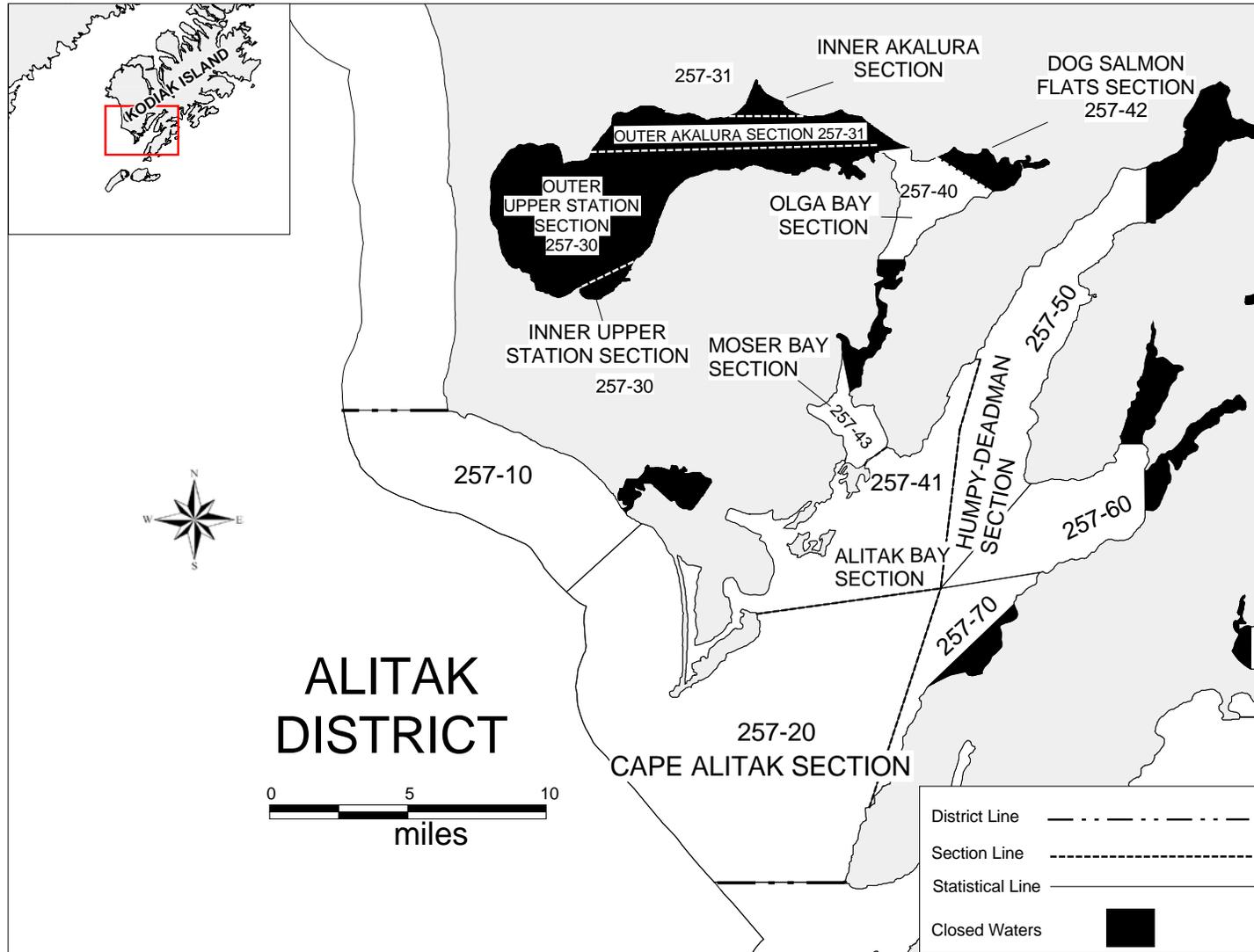
Figure 3.–Commercial salmon fishery chronology and daily harvest by date and species of management focus, Kodiak Management Area, 2013.

## **APPENDIX A. MAPS OF FISHING DISTRICTS**

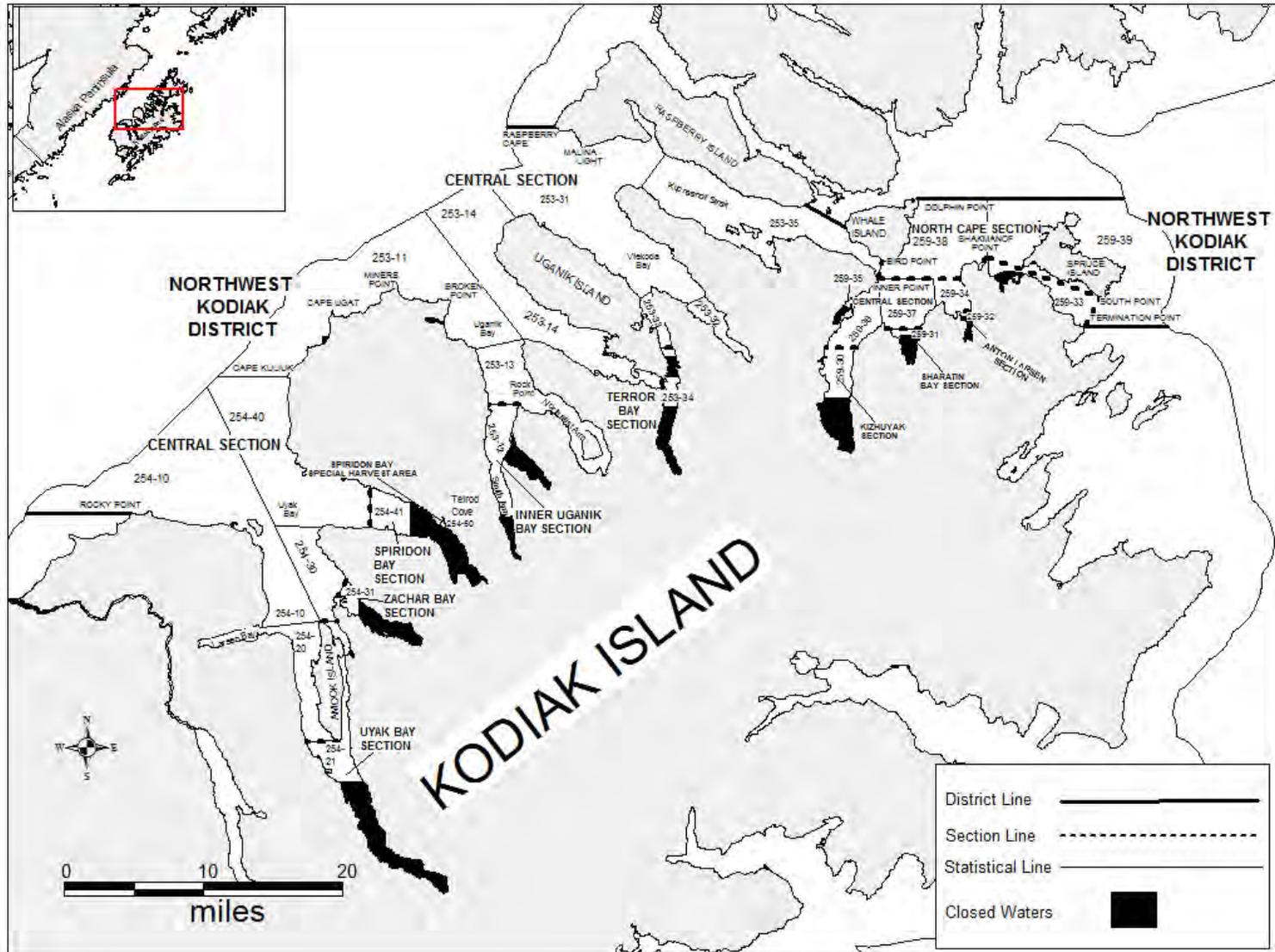
Appendix A1.–Map of the Kodiak Management Area commercial salmon fishing districts.



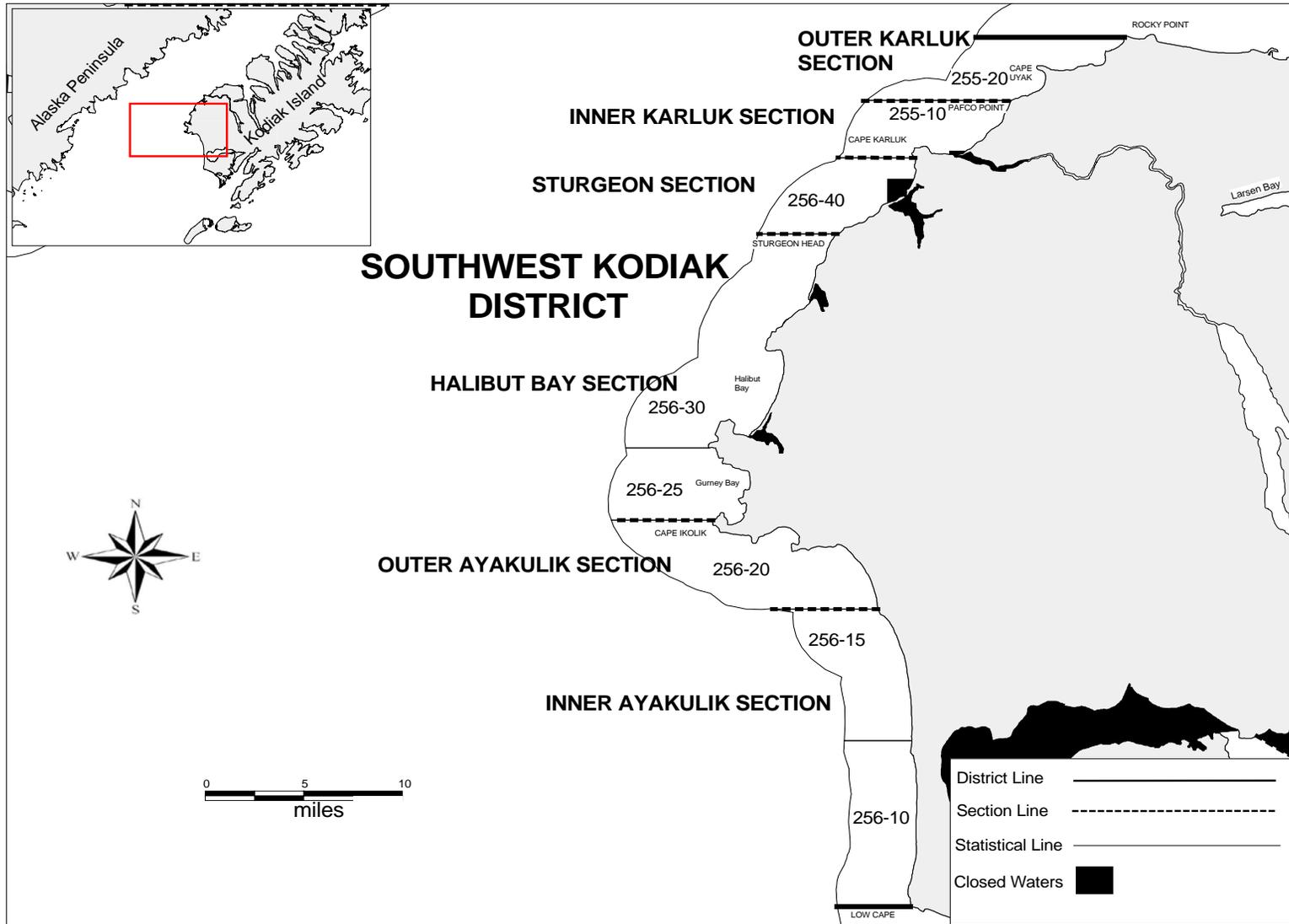
Appendix A2.—Map of the Alitak District commercial salmon fishing sections and statistical areas.



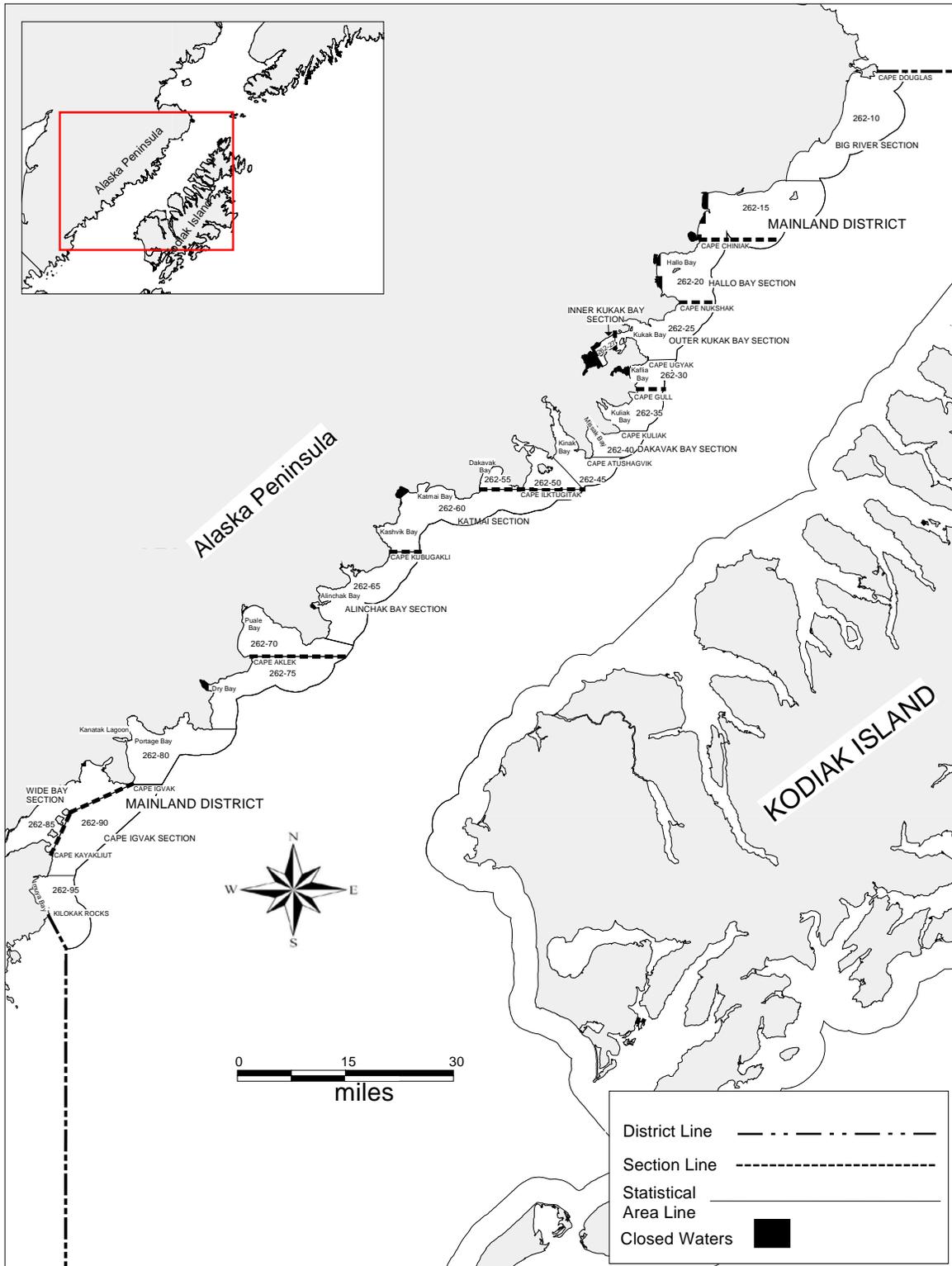
Appendix A3.-Map of the Northwest Kodiak District commercial salmon fishing sections and statistical areas.



Appendix A4.—Map of the Southwest Kodiak District commercial salmon fishing sections and statistical areas.

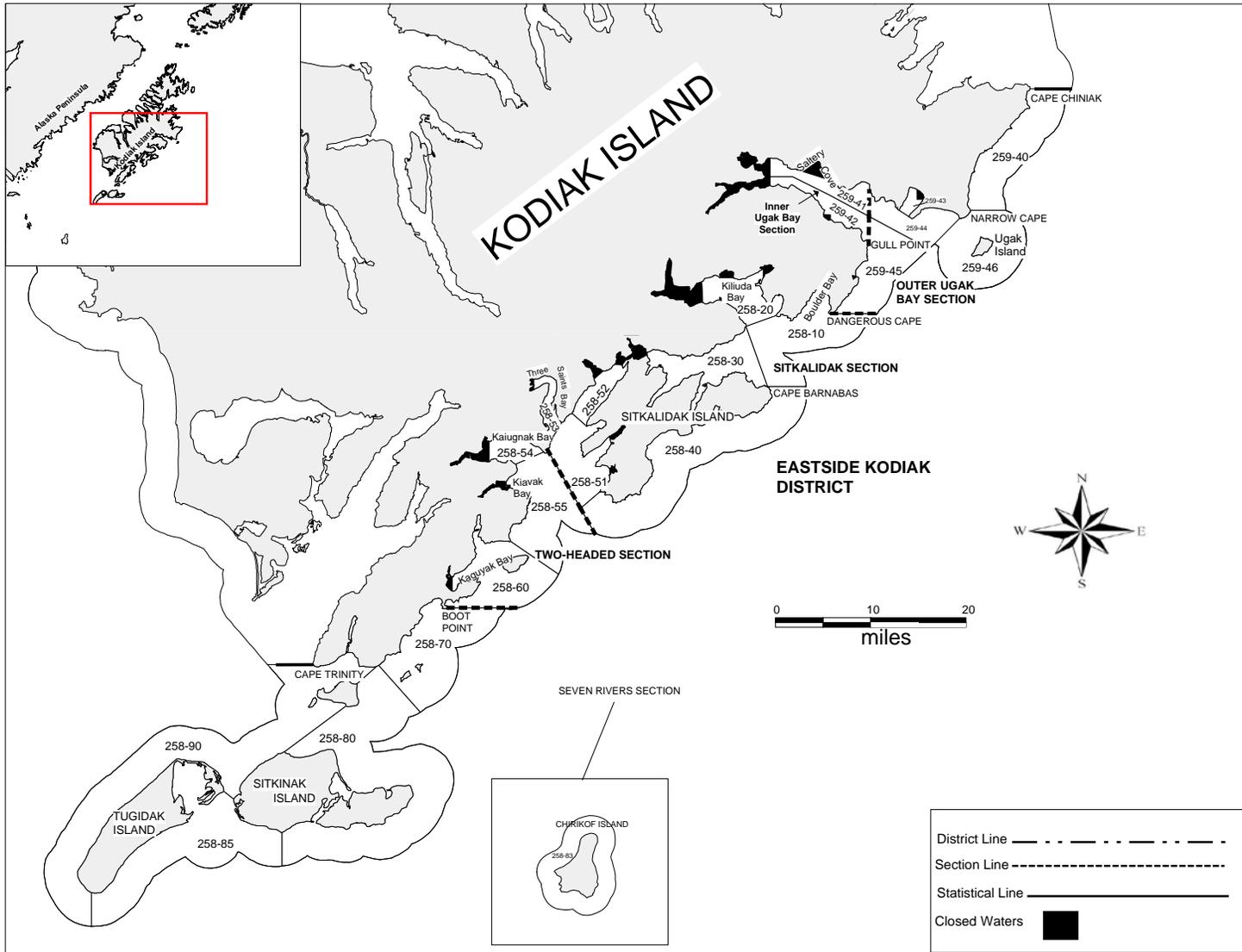


Appendix A5.—Map of the Mainland District commercial salmon fishing sections and statistical areas.

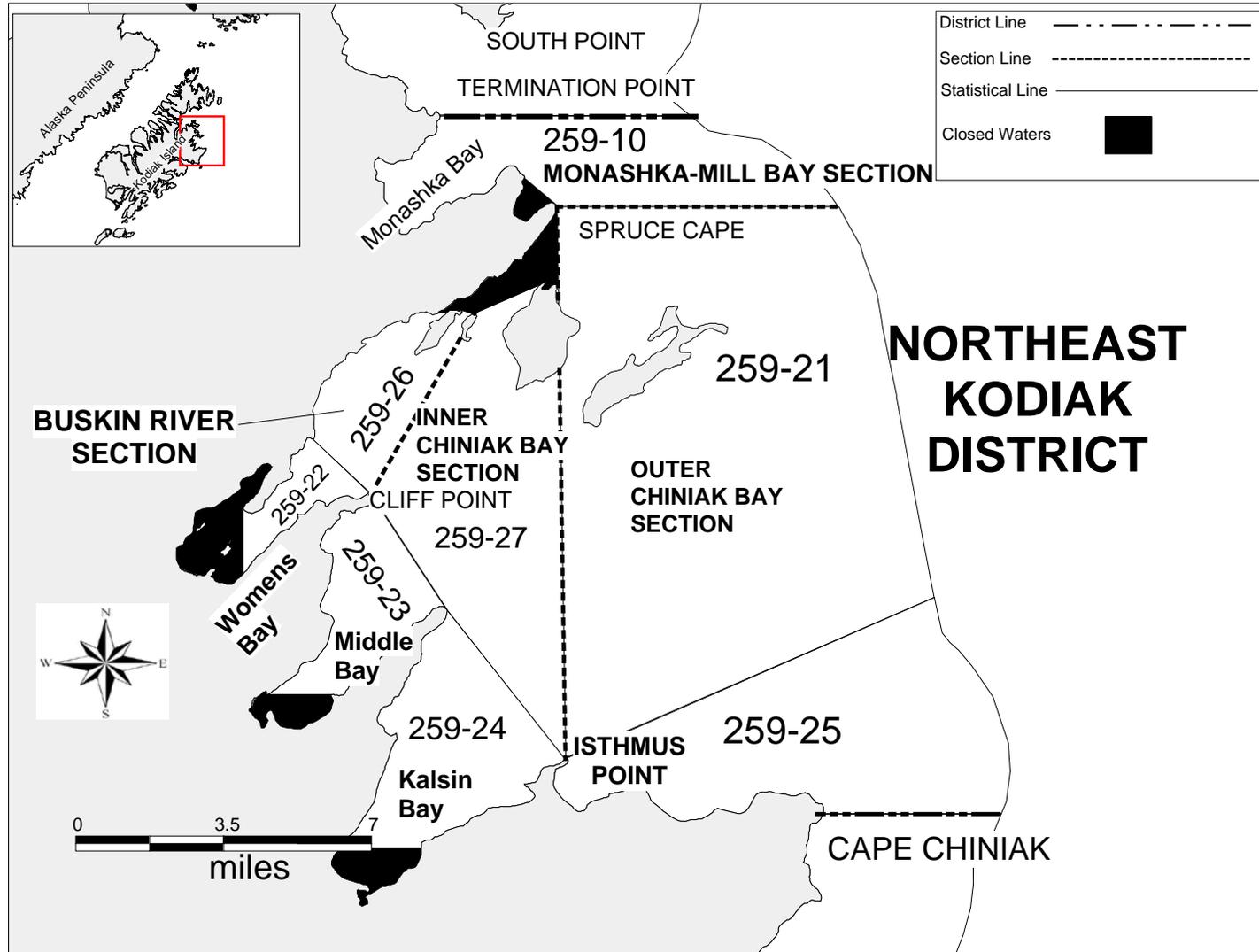




Appendix A7.—Map of the Eastside Kodiak District commercial salmon fishing sections and statistical areas.



Appendix A8.—Map of the Northeast Kodiak District commercial salmon fishing sections and statistical areas.





## **APPENDIX B. INSEASON MANAGEMENT ACTIONS**

Appendix B1.—Commercial salmon fishing time, by district and section, in the Kodiak Management Area, 2013.

Districts/Sections		6/1	6/2	6/3	6/4	6/5	6/6	6/7	6/8	6/9	6/10	6/11	6/12	6/13	6/14	6/15	6/16	6/17	6/18	6/19	6/20	6/21	6/22	6/23	6/24	6/25	6/26	6/27	6/28	6/29	6/30				
Northwest Kodiak	Central																																		
	North Cape																																		
	Anton Larson																																		
	Sharatin																																		
	Kizhuyak																																		
	Terror Bay																																		
	Inner Uganik Bay																																		
	Spiridon SHA																																		
	Spiridon Bay																																		
	Zachar Bay																																		
Uyak Bay																																			
Southwest Kodiak	Outer Karluk																																		
	Inner Karluk																																		
	Sturgeon																																		
	Halibut Bay																																		
	Outer Ayakulik																																		
	Inner Ayakulik																																		
Alitak	Olga Bay																																		
	Moser																																		
	Alitak Bay																																		
	Cape Alitak																																		
	Humpy - Deadman																																		
	Dog Salmon Flats																																		
	Outer Akalura																																		
	Inner Akalura																																		
	Outer Upper Station																																		
	Inner Upper Station																																		
Eastside Kodiak	Seven Rivers																																		
	Two Headed																																		
	Sitkalidak																																		
	Outer Ugak Bay																																		
	Inner Ugak Bay																																		
fishing time in entire section																																			
fishing time in partial section																																			

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-continued-

Appendix B1.-Page 2 of 8.

Districts/Sections		6/1	6/2	6/3	6/4	6/5	6/6	6/7	6/8	6/9	6/10	6/11	6/12	6/13	6/14	6/15	6/16	6/17	6/18	6/19	6/20	6/21	6/22	6/23	6/24	6/25	6/26	6/27	6/28	6/29	6/30		
Northeast Kodiak	Outer Chiniak																																
	Inner Chiniak																																
	Buskin River																																
	Monashka-Mill Bay																																
Afognak	Southeast Afognak																																
	Duck Bay																																
	Izhut Bay																																
	Inner Kitoi Bay																																
	Outer Kitoi Bay																																
	Northeast Afognak																																
	Pauls Bay																																
	Perenosa																																
	Waterfall Bay SHA																																
	Shuyak Island																																
	Northwest Afognak																																
	Foul Bay SHA																																
	Southwest Afognak																																
	Malina THA																																
Raspberry Strait																																	
Mainland	Big River																																
	Hallo Bay																																
	Outer Kukak Bay																																
	Inner Kukak Bay																																
	Dakavak Bay																																
	Katmai																																
	Alinchak																																
	Cape Igvak																																
	Wide Bay																																
fishing time in entire section																																	
fishing time in partial section																																	

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Appendix B1.-Page 3 of 8.

Districts/Sections		7/1	7/2	7/3	7/4	7/5	7/6	7/7	7/8	7/9	7/10	7/11	7/12	7/13	7/14	7/15	7/16	7/17	7/18	7/19	7/20	7/21	7/22	7/23	7/24	7/25	7/26	7/27	7/28	7/29	7/30	7/31
Northwestern Kodiak	Central	[Solid Grey]																														
	North Cape	[Solid Grey]																														
	Anton Larson	[Solid Grey]																														
	Sharatin	[Solid Grey]																														
	Kizhuyak	[Solid Grey]																														
	Terror Bay	[Solid Grey]																														
	Inner Uganik Bay	[Solid Grey]																														
	Spiridon SHA	[Solid Grey]																														
	Spiridon Bay	[Solid Grey]																														
	Zachar Bay	[Solid Grey]																														
	Uyak Bay	[Solid Grey]																														
Southwest Kodiak	Outer Karluk	[Solid Grey]																														
	Inner Karluk	[Solid Grey]																														
	Sturgeon	[Solid Grey]																														
	Halibut Bay	[Solid Grey]																														
	Outer Ayakulik	[Solid Grey]																														
	Inner Ayakulik	[Solid Grey]																														
Alitak	Olga Bay	[Solid Grey]																														
	Moser	[Solid Grey]																														
	Alitak Bay	[Solid Grey]																														
	Cape Alitak	[Solid Grey]																														
	Humpy - Deadman	[Solid Grey]																														
	Dog Salmon Flats	[Solid Grey]																														
	Outer Akalura	[Solid Grey]																														
	Inner Akalura	[Solid Grey]																														
	Outer Upper Station	[Solid Grey]																														
	Inner Upper Station	[Solid Grey]																														
Eastside Kodiak	Seven Rivers	[Solid Grey]																														
	Two Headed	[Solid Grey]																														
	Sitkalidak	[Solid Grey]																														
	Outer Ugak Bay	[Solid Grey]																														
	Inner Ugak Bay	[Solid Grey]																														

fishing time in entire section 

fishing time in partial section 

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Appendix B1.–Page 4 of 8.

<i>Districts/Sections</i>		7/1	7/2	7/3	7/4	7/5	7/6	7/7	7/8	7/9	7/10	7/11	7/12	7/13	7/14	7/15	7/16	7/17	7/18	7/19	7/20	7/21	7/22	7/23	7/24	7/25	7/26	7/27	7/28	7/29	7/30	7/31
Northeast Kodiak	Outer Chiniak																															
	Inner Chiniak																															
	Buskin River																															
	Monashka-Mill Bay																															
Afognak	Southeast Afognak																															
	Duck Bay																															
	Izhut Bay																															
	Inner Kitoi Bay																															
	Outer Kitoi Bay																															
	Northeast Afognak																															
	Pauls Bay																															
	Perenosa																															
	Waterfall Bay SHA																															
	Shuyak Island																															
	Northwest Afognak																															
	Foul Bay SHA																															
	Southwest Afognak																															
	Malina THA																															
Raspberry Strait																																
Mainland	Big River																															
	Hallo Bay																															
	Outer Kukak Bay																															
	Inner Kukak Bay																															
	Dakavak Bay																															
	Katmai																															
	Alinchak																															
	Cape Igvak																															
	Wide Bay																															

fishing time in entire section 

fishing time in partial section 

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Appendix B1.-Page 5 of 8.

Districts/Sections		8/1	8/2	8/3	8/4	8/5	8/6	8/7	8/8	8/9	8/10	8/11	8/12	8/13	8/14	8/15	8/16	8/17	8/18	8/19	8/20	8/21	8/22	8/23	8/24	8/25	8/26	8/27	8/28	8/29	8/30	8/31		
Northwest Kodiak	Central																																	
	North Cape																																	
	Anton Larson																																	
	Sharatin																																	
	Kizhuyak																																	
	Terror Bay																																	
	Inner Uganik Bay																																	
	Spiridon SHA																																	
	Spiridon Bay																																	
	Zachar Bay																																	
	Uyak Bay																																	
Southwest Kodiak	Outer Karluk																																	
	Inner Karluk																																	
	Sturgeon																																	
	Halibut Bay																																	
	Outer Ayakulik																																	
	Inner Ayakulik																																	
Alitak	Olga Bay																																	
	Moser																																	
	Alitak Bay																																	
	Cape Alitak																																	
	Humpy - Deadman																																	
	Dog Salmon Flats																																	
	Outer Akalura																																	
	Inner Akalura																																	
	Outer Upper Station																																	
	Inner Upper Station																																	
	Eastside Kodiak	Seven Rivers																																
Two Headed																																		
Sitkalidak																																		
Outer Ugak Bay																																		
Inner Ugak Bay																																		
fishing time in entire section																																		
fishing time in partial section																																		

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-continued-

Appendix B1.-Page 6 of 8.

Districts/Sections		8/1	8/2	8/3	8/4	8/5	8/6	8/7	8/8	8/9	8/10	8/11	8/12	8/13	8/14	8/15	8/16	8/17	8/18	8/19	8/20	8/21	8/22	8/23	8/24	8/25	8/26	8/27	8/28	8/29	8/30	8/31
Northeast Kodiak	Outer Chiniak	[Solid Grey]																														
	Inner Chiniak	[Solid Grey]																														
	Buskin River	[Solid Grey]																														
	Monashka-Mill Bay	[Solid Grey]																														
		8/1	8/2	8/3	8/4	8/5	8/6	8/7	8/8	8/9	8/10	8/11	8/12	8/13	8/14	8/15	8/16	8/17	8/18	8/19	8/20	8/21	8/22	8/23	8/24	8/25	8/26	8/27	8/28	8/29	8/30	8/31
Afognak	Southeast Afognak	[Solid Grey]																														
	Duck Bay	[Solid Grey]																														
	Izhut Bay	[Checkered]																														
	Inner Kitoi Bay	[Solid Grey]																														
	Outer Kitoi Bay	[Solid Grey]																														
	Northeast Afognak	[Solid Grey]																														
	Pauls Bay	[Solid Grey]																														
	Perenosa	[Solid Grey]																														
	Waterfall Bay SHA	[Solid Grey]																														
	Shuyak Island	[Solid Grey]																														
	Northwest Afognak	[Solid Grey]																														
	Foul Bay SHA	[Solid Grey]																														
	Southwest Afognak	[Solid Grey]																														
	Malina THA	[Solid Grey]																														
Raspberry Strait	[Solid Grey]																															
		8/1	8/2	8/3	8/4	8/5	8/6	8/7	8/8	8/9	8/10	8/11	8/12	8/13	8/14	8/15	8/16	8/17	8/18	8/19	8/20	8/21	8/22	8/23	8/24	8/25	8/26	8/27	8/28	8/29	8/30	8/31
Mainland	Big River	[Solid Grey]																														
	Hallo Bay	[Solid Grey]																														
	Outer Kukak Bay	[Solid Grey]																														
	Inner Kukak Bay	[Solid Grey]																														
	Dakavak Bay	[Solid Grey]																														
	Katmai	[Solid Grey]																														
	Alinchak	[Solid Grey]																														
	Cape Igvak	[Solid Grey]																														
Wide Bay	[Solid Grey]																															
fishing time in entire section		[Solid Grey]																														
fishing time in partial section		[Checkered]																														

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-continued-

Appendix B1.-Page 7 of 8.

Districts/Sections		9/1	9/2	9/3	9/4	9/5	9/6	9/7	9/8	9/9	9/10	9/11	9/12	9/13	9/14	9/15	9/16	9/17	9/18	9/19	9/20	9/21	9/22	9/23	9/24	9/25	9/26	9/27	9/28	9/29	9/30	
Northwest Kodiak	Central																															
	North Cape																															
	Anton Larson																															
	Sharatin																															
	Kizhuyak																															
	Terror Bay																															
	Inner Uganik Bay																															
	Spiridon SHA																															
	Spiridon Bay																															
	Zachar Bay																															
Uyak Bay																																
Southwest Kodiak	Outer Karluk																															
	Inner Karluk																															
	Sturgeon																															
	Halibut Bay																															
	Outer Ayakulik																															
	Inner Ayakulik																															
Alitak	Olga Bay																															
	Moser																															
	Alitak Bay																															
	Cape Alitak																															
	Humpy - Deadman																															
	Dog Salmon Flats																															
	Outer Akalura																															
	Inner Akalura																															
	Outer Upper Station																															
	Inner Upper Station																															
Eastside Kodiak	Seven Rivers																															
	Two Headed																															
	Sitkalidak																															
	Outer Ugak Bay																															
	Inner Ugak Bay																															
fishing time in entire section																																
fishing time in partial section																																

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Appendix B1.–Page 8 of 8.

<i>Districts/Sections</i>		9/1	9/2	9/3	9/4	9/5	9/6	9/7	9/8	9/9	9/10	9/11	9/12	9/13	9/14	9/15	9/16	9/17	9/18	9/19	9/20	9/21	9/22	9/23	9/24	9/25	9/26	9/27	9/28	9/29	9/30	
Northeast Koodiak	Outer Chiniak																															
	Inner Chiniak																															
	Buskin River																															
	Monashka-Mill Bay																															
		9/1	9/2	9/3	9/4	9/5	9/6	9/7	9/8	9/9	9/10	9/11	9/12	9/13	9/14	9/15	9/16	9/17	9/18	9/19	9/20	9/21	9/22	9/23	9/24	9/25	9/26	9/27	9/28	9/29	9/30	
Afognak	Southeast Afognak																															
	Duck Bay																															
	Izhut Bay																															
	Inner Kitoi Bay																															
	Outer Kitoi Bay																															
	Northeast Afognak																															
	Pauls Bay																															
	Perenosa																															
	Waterfall Bay SHA																															
	Shuyak Island																															
	Northwest Afognak																															
	Foul Bay SHA																															
	Southwest Afognak																															
	Malina THA																															
Raspberry Strait																																
		9/1	9/2	9/3	9/4	9/5	9/6	9/7	9/8	9/9	9/10	9/11	9/12	9/13	9/14	9/15	9/16	9/17	9/18	9/19	9/20	9/21	9/22	9/23	9/24	9/25	9/26	9/27	9/28	9/29	9/30	
Mainland	Big River																															
	Hallo Bay																															
	Outer Kukak Bay																															
	Inner Kukak Bay																															
	Dakavak Bay																															
	Katmai																															
	Alinchak																															
	Cape Igvak																															
	Wide Bay																															

fishing time in entire section 

fishing time in partial section 

Appendix B2.–Summary of emergency orders issued in the Kodiak Management Area, 2013.

E.O. #	Issued	Effective	Action in Effect
1	11:00 AM 6/5/13	Noon 6/7/13	<u>Opening</u> for 81 hours, until 9:00 PM 6/10: <ul style="list-style-type: none"> <li>• Outer Karluk Section</li> <li>• Central and North Cape sections</li> </ul>
		Noon 6/7/13	<u>Open</u> until further notice: <ul style="list-style-type: none"> <li>• Foul Bay Special Harvest Area (FBSHA)</li> <li>• Waterfall Bay Special Harvest Area (WBSHA)</li> <li>• Southeast Afognak, Inner Kitoi Bay, Outer Kitoi Bay, Duck Bay, Izhut Bay sections</li> </ul>
		Noon 6/7/13	<u>Non-retention</u> of Chinook salmon 28 inches or greater in length until further notice: <ul style="list-style-type: none"> <li>• That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk</li> </ul>
		Noon 6/7/13	<u>Closed water adjustments:</u> <ul style="list-style-type: none"> <li>• Reduced until further notice in Foul Bay and Waterfall Bay</li> <li>• Reduced until further notice in Kitoi Bay</li> <li>• Reduced until further notice in Afognak Bay</li> </ul>
		12:01 AM 6/8/13	<u>Opening</u> for 48 hours until 12:01 AM 6/10: <ul style="list-style-type: none"> <li>• Cape Igvak Section</li> </ul>
		Noon 6/9/13	<u>Opening</u> for 33 hours, until 9:00 PM 6/10: <ul style="list-style-type: none"> <li>• Alitak District</li> <li>• Uyak Bay, Zachar Bay, Spiridon Bay, Inner Uganik Bay, Terror Bay, Kizhuyak Bay, Sharatin Bay, and Anton Larsen Bay sections</li> </ul>
2	10:00 AM 6/9/13	12:01 AM 6/10/13	<u>Extends</u> for 24 hours, until 12:01 AM 6/11: <ul style="list-style-type: none"> <li>• Cape Igvak Section</li> </ul>
		9:00 PM 6/10/13	<u>Extends</u> for 120 hours, until 9:00 PM 6/15: <ul style="list-style-type: none"> <li>• Outer Karluk Section</li> <li>• Central and North Cape sections</li> </ul>
			<u>Open</u> until further notice: <ul style="list-style-type: none"> <li>• FBSHA</li> <li>• WBSHA</li> <li>• Southeast Afognak, Inner Kitoi Bay, Outer Kitoi Bay, Duck Bay, Izhut Bay sections</li> </ul>
			<u>Non-retention</u> of Chinook salmon 28 inches or greater in length until further notice: <ul style="list-style-type: none"> <li>• That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk</li> </ul>
			<u>Closed water adjustments:</u> <ul style="list-style-type: none"> <li>• Reduced until further notice in Foul Bay and Waterfall Bay</li> <li>• Reduced until further notice in Kitoi Bay</li> <li>• Reduced until further notice in Afognak Bay for commercial fishing</li> <li>• Reduced until further notice in Afognak Bay for subsistence fishing</li> </ul>

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E.O. #	Issued	Effective	Action in Effect
3	10:00 AM 6/12/13	6:00 AM 6/13/13	<p><u>Opening</u> in the Alitak District as follows:</p> <ul style="list-style-type: none"> <li>• Olga Bay Section from 6:00 AM 6/13 to 9:00 AM 6/15</li> <li>• Moser Bay Section from Noon 6/13 to 3:00 PM 6/15</li> <li>• Alitak Bay Section from 6:00 PM 6/13 to 9:00 PM 6/15</li> <li>• Cape Alitak and Humpy-Deadman sections from 6:00 AM 6/14 to 9:00 AM 6/16</li> </ul>
		Noon 6/14/13	<p><u>Opening</u> for 33 hours, until 9:00 PM 6/15:</p> <ul style="list-style-type: none"> <li>• Inner Karluk Section</li> <li>• Uyak Bay, Zachar Bay, Spiridon Bay, Inner Uganik Bay, Terror Bay, Kizhuyak Bay, Sharatin Bay, and Anton Larsen Bay sections</li> <li>• Eastside Kodiak District</li> <li>• Southwest Afognak, Northwest Afognak, Pauls Bay, and Perenosa Bay sections</li> <li>• Big River and Outer Kukak sections</li> </ul>
		Noon 6/14/13	<p><u>Closed water adjustment:</u></p> <ul style="list-style-type: none"> <li>• Reduced until 9:00 PM 6/15 at Karluk Lagoon</li> <li>• Reduced until 9:00 PM 6/15 at Kafli Creek</li> </ul>
		9:00 PM 6/15/13	<p><u>Extends</u> until further notice:</p> <ul style="list-style-type: none"> <li>• Outer Karluk Section</li> <li>• Central and North Cape sections</li> <li>• Southwest Afognak Section</li> </ul> <p><u>Non-retention</u> of Chinook salmon 28 inches or greater in length until further notice:</p> <ul style="list-style-type: none"> <li>• That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk</li> </ul> <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> <li>• FBSHA</li> <li>• WBSHA</li> <li>• Southeast Afognak, Inner Kitoi Bay, Outer Kitoi Bay, Duck Bay, Izhut Bay sections</li> </ul> <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>• Reduced until further notice in Foul Bay and Waterfall Bay</li> <li>• Reduced until further notice in Kitoi Bay</li> <li>• Reduced until further notice in Afognak Bay for commercial fishing</li> <li>• Reduced until further notice in Afognak Bay for subsistence fishing</li> </ul>
4	10:00 AM 6/15/13	9:00 PM 6/15/13	<p><u>Extends</u> for 48 hours, until 9:00 PM 6/17:</p> <ul style="list-style-type: none"> <li>• Inner Karluk Section</li> </ul>
		12:01 AM 6/17/13	<p><u>Open</u> for 48 hours, until 12:01 AM 6/19:</p> <ul style="list-style-type: none"> <li>• Cape Igvak Section</li> </ul>
		12:00 PM 6/17/13	<p><u>Open</u> for 57 hours, until 9:00 PM 6/19:</p> <ul style="list-style-type: none"> <li>• Outer Ayakulik Section</li> </ul>

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E.O. #	Issued	Effective	Action in Effect
4 (cont.)			<p><u>Non-retention</u> of Chinook salmon 28 inches or greater in length until further notice:</p> <ul style="list-style-type: none"> <li>• That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk</li> </ul> <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> <li>• Central and North Cape sections</li> <li>• Outer Karluk Section</li> <li>• FBSHA</li> <li>• WBSHA</li> <li>• Southwest Afognak, Southeast Afognak, Inner Kitoi Bay, Outer Kitoi Bay, Duck Bay, Izhut Bay sections</li> </ul> <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>• Reduced until further notice in Foul Bay and Waterfall Bay</li> <li>• Reduced until further notice in Kitoi Bay</li> <li>• Reduced until further notice in Afognak Bay for commercial fishing</li> <li>• Reduced until further notice in Afognak Bay for subsistence fishing</li> </ul>
5	10:00 AM 6/17/13	9:00 PM 6/17/13	<p><u>Extends</u> for 72 hours, until 9:00 PM 6/20:</p> <ul style="list-style-type: none"> <li>• Inner Karluk Section</li> </ul> <p><u>Non-retention</u> of Chinook salmon 28 inches or greater in length until further notice:</p> <ul style="list-style-type: none"> <li>• That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk</li> </ul> <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> <li>• Central and North Cape sections</li> <li>• Outer Karluk Section</li> <li>• FBSHA</li> <li>• WBSHA</li> <li>• Southwest Afognak, Southeast Afognak, Inner Kitoi Bay, Outer Kitoi Bay, Duck Bay, Izhut Bay sections</li> </ul> <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>• Reduced until further notice in Foul Bay and Waterfall Bay</li> <li>• Reduced until further notice in Kitoi Bay</li> <li>• Reduced until further notice in Afognak Bay for commercial fishing</li> <li>• Reduced until further notice in Afognak Bay for subsistence fishing</li> </ul>
6	10:00 AM 6/19/13	6:00 AM 6/20/13  9:00 PM 6/20/13	<p><u>Opening</u> in the Alitak District as follows:</p> <ul style="list-style-type: none"> <li>• Olga Bay Section from 6:00 AM 6/20 to 9:00 AM 6/22</li> <li>• Moser Bay Section from Noon 6/20 to 3:00 PM 6/22</li> <li>• Alitak Bay Section from 6:00 PM 6/20 to 9:00 PM 6/22</li> <li>• Cape Alitak and Humpy-Deadman sections from 6:00 AM 6/21 to 9:00 AM 6/23</li> </ul> <p><u>Extends</u> until further notice:</p> <ul style="list-style-type: none"> <li>• Inner Karluk Section</li> </ul>

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E.O. #	Issued	Effective	Action in Effect
6 (cont.)		12:00 PM 6/21/13	<p><u>Opening</u> for 33 hours, until 9:00 PM 6/22,</p> <ul style="list-style-type: none"> <li>• Eastside Kodiak District</li> <li>• Northwest Afognak, Pauls Bay, and Perenosa Bay sections</li> <li>• Big River and Outer Kukak sections</li> </ul> <p><u>Non-retention</u> of Chinook salmon 28 inches or greater in length until further notice:</p> <ul style="list-style-type: none"> <li>• That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk</li> </ul> <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> <li>• Central and North Cape sections</li> <li>• Outer Karluk Section</li> <li>• FBSHA</li> <li>• WBSHA</li> <li>• Southwest Afognak, Southeast Afognak, Inner Kitoi Bay, Outer Kitoi Bay, Duck Bay, Izhut Bay sections</li> </ul> <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>• Reduced until further notice at Karluk Lagoon</li> <li>• Reduced until further notice in Foul Bay and Waterfall Bay</li> <li>• Reduced until further notice in Kitoi Bay</li> <li>• Reduced until further notice in Chiniak Bay for subsistence fishing</li> <li>• Reduced until further notice in Afognak Bay for commercial fishing</li> <li>• Reduced until further notice in Afognak Bay for subsistence fishing</li> </ul>
7	10:00 AM 6/20/13	12:00 PM 6/21/13	<p><u>Non-retention</u> of Chinook salmon in the subsistence fishery until 8/1,</p> <ul style="list-style-type: none"> <li>• That portion of the Monashka/Mill Bay Section of the Northeast Kodiak District bounded by the latitude of Spruce Cape and the latitude of Termination Point</li> </ul> <p><u>Non-retention</u> of Chinook salmon 28 inches or greater in length until further notice:</p> <ul style="list-style-type: none"> <li>• That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk</li> </ul> <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> <li>• Central and North Cape sections</li> <li>• Outer Karluk Section</li> <li>• FBSHA</li> <li>• WBSHA</li> <li>• Southwest Afognak, Southeast Afognak, Inner Kitoi Bay, Outer Kitoi Bay, Duck Bay, Izhut Bay sections</li> </ul> <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>• Reduced until further notice at Karluk Lagoon</li> <li>• Reduced until further notice in Foul Bay and Waterfall Bay</li> <li>• Reduced until further notice in Kitoi Bay</li> <li>• Reduced until further notice in Chiniak Bay for subsistence fishing</li> <li>• Reduced until further notice in Afognak Bay for commercial fishing</li> <li>• Reduced until further notice in Afognak Bay for subsistence fishing</li> </ul>

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E.O. #	Issued	Effective	Action in Effect
8	10:00 AM 6/21/13	9:00 AM 6/22/13	<p><u>Extensions</u> in the Alitak District as follows:</p> <ul style="list-style-type: none"> <li>• Olga Bay section from 9:00 AM 6/22 to 9:00 AM 6/23</li> <li>• Moser Bay Section from 3:00 PM 6/22 to 3:00 PM 6/23</li> <li>• Alitak Bay Section from 9:00 PM 6/22 to 9:00 PM 6/23</li> <li>• Cape Alitak and Humpy-Deadman sections from 9:00 AM 6/23 to 9:00 AM 6/24</li> </ul> <p><u>Non-retention</u> of Chinook salmon in the subsistence fishery until 8/1,</p> <ul style="list-style-type: none"> <li>• That portion of the Monashka/Mill Bay Section of the Northeast Kodiak District bounded by the latitude of Spruce Cape and the latitude of Termination Point</li> </ul> <p><u>Non-retention</u> of Chinook salmon 28 inches or greater in length until further notice:</p> <ul style="list-style-type: none"> <li>• That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk</li> </ul> <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> <li>• Central and North Cape sections</li> <li>• Inner and Outer Karluk Section</li> <li>• FBSHA</li> <li>• WBSHA</li> <li>• Southwest Afognak, Southeast Afognak, Inner Kitoi Bay, Outer Kitoi Bay, Duck Bay, Izhut Bay sections</li> </ul> <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>• Reduced until further notice at Karluk Lagoon</li> <li>• Reduced until further notice in Foul Bay and Waterfall Bay</li> <li>• Reduced until further notice in Kitoi Bay</li> <li>• Reduced until further notice in Chiniak Bay for subsistence fishing</li> <li>• Reduced until further notice in Afognak Bay for commercial fishing</li> <li>• Reduced until further notice in Afognak Bay for subsistence fishing</li> </ul>
9	10:00 AM 6/22/13	12:01 AM 6/23/13	<p><u>Opening</u> of cost recovery fishery:</p> <ul style="list-style-type: none"> <li>• Telrod Cove Special Harvest Area</li> </ul> <p><u>Non-retention</u> of Chinook salmon 28 inches or greater in length until further notice:</p> <ul style="list-style-type: none"> <li>• That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk</li> </ul> <p><u>Non-retention</u> of Chinook salmon in the subsistence fishery until 8/1,</p> <ul style="list-style-type: none"> <li>• That portion of the Monashka/Mill Bay Section of the Northeast Kodiak District bounded by the latitude of Spruce Cape and the latitude of Termination Point</li> </ul>

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E.O. #	Issued	Effective	Action in Effect
9 (cont.)			<p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> <li>• Central and North Cape sections</li> <li>• Inner and Outer Karluk Section</li> <li>• FBSHA</li> <li>• WBSHA</li> <li>• Southwest Afognak, Southeast Afognak, Inner Kitoi Bay, Outer Kitoi Bay, Duck Bay, Izhut Bay sections</li> </ul> <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>• Reduced until further notice at Karluk Lagoon</li> <li>• Reduced until further notice in Foul Bay and Waterfall Bay</li> <li>• Reduced until further notice in Kitoi Bay</li> <li>• Reduced until further notice in Chiniak Bay for subsistence fishing</li> <li>• Reduced until further notice in Afognak Bay for commercial fishing</li> <li>• Reduced until further notice in Afognak Bay for subsistence fishing</li> </ul>
10	10:00 AM 6/25/13	6:00 AM 6/26/13	<p><u>Opening</u> in the Alitak District as follows:</p> <ul style="list-style-type: none"> <li>• Olga Bay Section from 6:00 AM 6/26 to 9:00 AM 6/29</li> <li>• Moser Bay Section from Noon 6/26 to 3:00 PM 6/29</li> <li>• Alitak Bay Section from 6:00 PM 6/26 to 9:00 PM 6/29</li> <li>• Cape Alitak and Humpy-Deadman sections from 6:00 AM 6/27 to 9:00 AM 6/30</li> </ul> <p>12:00 PM 6/26/13</p> <p><u>Opening</u> for 57 hours, until 9:00 PM 6/28:</p> <ul style="list-style-type: none"> <li>• Outer Ayakulik and Halibut Bay sections</li> </ul> <p><u>Non-retention</u> of Chinook salmon 28 inches or greater in length until further notice:</p> <ul style="list-style-type: none"> <li>• That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk</li> </ul> <p><u>Non-retention</u> of Chinook salmon in the subsistence fishery until 8/1,</p> <ul style="list-style-type: none"> <li>• That portion of the Monashka/Mill Bay Section of the Northeast Kodiak District bounded by the latitude of Spruce Cape and the latitude of Termination Point</li> </ul> <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> <li>• Spiridon Bay Special Harvest Area</li> <li>• Central and North Cape sections</li> <li>• Inner and Outer Karluk sections</li> <li>• FBSHA</li> <li>• WBSHA</li> <li>• Southwest Afognak, Southeast Afognak, Inner Kitoi Bay, Outer Kitoi Bay, Duck Bay, Izhut Bay sections</li> </ul>

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E.O. #	Issued	Effective	Action in Effect
10 (cont.)			<p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>• Reduced until further notice at Karluk Lagoon</li> <li>• Reduced until further notice in Foul Bay and Waterfall Bay</li> <li>• Reduced until further notice in Kitoi Bay</li> <li>• Reduced until further notice in Saltery Cove for subsistence fishing</li> <li>• Reduced until further notice in Chiniak Bay for subsistence fishing</li> <li>• Reduced until further notice in Afognak Bay for commercial fishing</li> <li>• Reduced until further notice in Afognak Bay for subsistence fishing</li> </ul>
11	10:00 AM 6/26/13	12:00 PM 6/27/13	<p><u>Opening</u> for 12 hours, until 12:01AM 6/28:</p> <ul style="list-style-type: none"> <li>• Inner Ayakulik Section</li> </ul>
		12:00 PM 6/27/13	<p><u>Opening</u> for 81 hours, until 9:00 pm 6/30:</p> <ul style="list-style-type: none"> <li>• Inner Ugak Bay Section</li> </ul>
		9:00 PM 6/29/13	<p><u>Closure</u> in the following areas:</p> <ul style="list-style-type: none"> <li>• Inner Kitoi, Outer Kitoi, and Izhut Bay sections</li> </ul> <p><u>Non-retention</u> of Chinook salmon 28 inches or greater in length until further notice:</p> <ul style="list-style-type: none"> <li>• That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk</li> </ul> <p><u>Non-retention</u> of Chinook salmon in the subsistence fishery until 8/1,</p> <ul style="list-style-type: none"> <li>• That portion of the Monashka/Mill Bay Section of the Northeast Kodiak District bounded by the latitude of Spruce Cape and the latitude of Termination Point</li> </ul> <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> <li>• Spiridon Bay Special Harvest Area</li> <li>• Central and North Cape sections</li> <li>• Inner and Outer Karluk Section</li> <li>• FBSHA</li> <li>• WBSHA</li> <li>• Southwest Afognak, Southeast Afognak, and Duck Bay sections</li> </ul> <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>• Reduced until further notice at Karluk Lagoon</li> <li>• Reduced until further notice in Foul Bay and Waterfall Bay</li> <li>• Reduced until further notice in Kitoi Bay</li> <li>• Reduced until further notice in Saltery Cove for subsistence fishing</li> <li>• Reduced until further notice in Chiniak Bay for subsistence fishing</li> <li>• Reduced until further notice in Afognak Bay for commercial fishing</li> <li>• Reduced until further notice in Afognak Bay for subsistence fishing</li> </ul>
12	11:00 AM 6/27/13	12:00 PM 6/28/13	<p><u>Opening</u> until further notice:</p> <ul style="list-style-type: none"> <li>• Inner Uganik Bay Section</li> </ul>
		9:00 PM 6/28/13	<p><u>Extension</u> for 72 hours, until 9:00 PM 7/1:</p> <ul style="list-style-type: none"> <li>• Outer Ayakulik</li> </ul>

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E.O. #	Issued	Effective	Action in Effect
12 (cont.)		9:00 Am 6/29/13	<p><u>Extensions</u> in the Alitak District as follows:</p> <ul style="list-style-type: none"> <li>• Olga Bay section from 9:00 AM 6/29 to 9:00 AM 7/1</li> <li>• Moser Bay Section from 3:00 PM 6/29 to 3:00 PM 7/1</li> <li>• Alitak Bay Section from 9:00 PM 6/29 to 9:00 PM 7/1</li> <li>• Cape Alitak and Humpy-Deadman sections from 9:00 AM 6/30 to 9:00 AM 7/2</li> </ul>
		9:00 PM 6/30/13	<p><u>Extension</u> for 24 hours, until 9:00 PM 7/1:</p> <ul style="list-style-type: none"> <li>• Inner Ugak Bay Section</li> </ul> <p><u>Non-retention</u> of Chinook salmon 28 inches or greater in length until further notice:</p> <ul style="list-style-type: none"> <li>• That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk</li> </ul> <p><u>Non-retention</u> of Chinook salmon in the subsistence fishery until 8/1,</p> <ul style="list-style-type: none"> <li>• That portion of the Monashka/Mill Bay Section of the Northeast Kodiak District bounded by the latitude of Spruce Cape and the latitude of Termination Point</li> </ul> <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> <li>• Spiridon Bay Special Harvest Area</li> <li>• Central and North Cape sections</li> <li>• Inner and Outer Karluk Section</li> <li>• FBSHA</li> <li>• WBSHA</li> <li>• Southwest Afognak, Southeast Afognak, and Duck Bay sections</li> </ul> <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>• Reduced until further notice at Karluk Lagoon</li> <li>• Reduced until further notice in Foul Bay and Waterfall Bay</li> <li>• Reduced until further notice in Kitoi Bay</li> <li>• Reduced until further notice in Saltery Cove for subsistence fishing</li> <li>• Reduced until further notice in Chiniak Bay for subsistence fishing</li> <li>• Reduced until further notice in Afognak Bay for commercial fishing</li> <li>• Reduced until further notice in Afognak Bay for subsistence fishing</li> </ul>
13	10:00 AM 7/1/13	9:00 PM 7/1/13	<p><u>Extension</u> until further notice:</p> <ul style="list-style-type: none"> <li>• Inner Ugak Section</li> </ul>
		9:00 PM 7/1/13	<p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>• Reduced until further notice at Saltery Creek, Hearst Creek, and Rough Creek</li> </ul> <p><u>Non-retention</u> of Chinook salmon 28 inches or greater in length until further notice:</p> <ul style="list-style-type: none"> <li>• That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk</li> </ul> <p><u>Non-retention</u> of Chinook salmon in the subsistence fishery until 8/1,</p> <ul style="list-style-type: none"> <li>• That portion of the Monashka/Mill Bay Section of the Northeast Kodiak District bounded by the latitude of Spruce Cape and the latitude of Termination Point</li> </ul>

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E.O. #	Issued	Effective	Action in Effect
			<p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>• Reduced until further notice at Karluk Lagoon</li> <li>• Reduced until further notice in Saltery Cove for subsistence fishing</li> <li>• Reduced until further notice in Saltery Creek, Hearst Creek, and Rough Creek for commercial fishing</li> <li>• Reduced until further notice in Chiniak Bay for subsistence fishing</li> </ul>
15	10:30 AM 7/7/13	6:00 AM 7/8/13	<p><u>Opening</u> in the Alitak District as follows:</p> <ul style="list-style-type: none"> <li>• Olga Bay Section from 6:00 AM 7/8 to 9:00 AM 7/10</li> <li>• Moser Bay Section from Noon 7/8 to 3:00 PM 7/10</li> <li>• Alitak Bay Section from 6:00 PM 7/8 to 9:00 PM 7/10</li> <li>• Cape Alitak and Humpy-Deadman sections from 6:00 AM 7/9 to 9:00 AM 7/11</li> </ul>
		12:01 AM 7/9/13	<p><u>Opening</u> for 48 hours, until 12:01 AM 7/11:</p> <ul style="list-style-type: none"> <li>• Cape Igvak Section</li> </ul> <p><u>Non-retention</u> of Chinook salmon 28 inches or greater in length until further notice:</p> <ul style="list-style-type: none"> <li>• That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk</li> </ul> <p><u>Non-retention</u> of Chinook salmon in the subsistence fishery until 8/1,</p> <ul style="list-style-type: none"> <li>• That portion of the Monashka/Mill Bay Section of the Northeast Kodiak District bounded by the latitude of Spruce Cape and the latitude of Termination Point</li> </ul> <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> <li>• Inner and Outer Karluk sections</li> <li>• Inner Ugak Bay Section</li> <li>• Duck Bay Section</li> </ul> <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>• Reduced until further notice at Karluk Lagoon</li> <li>• Reduced until further notice in Saltery Cove for subsistence fishing</li> <li>• Reduced until further notice in Saltery Creek, Hearst Creek, and Rough Creek for commercial fishing</li> <li>• Reduced until further notice in Chiniak Bay for subsistence fishing</li> </ul>
16	10:30 AM 7/9/13	9:00 AM 7/10/13	<p><u>Extensions</u> in the Alitak District as follows:</p> <ul style="list-style-type: none"> <li>• Olga Bay section from 9:00 AM 7/10 to 9:00 AM 7/12</li> <li>• Moser Bay Section from 3:00 PM 7/10 to 3:00 PM 7/12</li> <li>• Alitak Bay Section from 9:00 PM 7/10 to 9:00 PM 7/12</li> <li>• Cape Alitak and Humpy-Deadman sections from 9:00 AM 7/11 to 9:00 AM 7/13</li> </ul> <p><u>Non-retention</u> of Chinook salmon 28 inches or greater in length until further notice:</p> <ul style="list-style-type: none"> <li>• That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk</li> </ul>

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E.O. #	Issued	Effective	Action in Effect
16 (cont.)			<p><u>Non-retention</u> of Chinook salmon in the subsistence fishery until 8/1,</p> <ul style="list-style-type: none"> <li>• That portion of the Monashka/Mill Bay Section of the Northeast Kodiak District bounded by the latitude of Spruce Cape and the latitude of Termination Point</li> </ul> <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> <li>• Inner and Outer Karluk sections</li> <li>• Inner Ugak Bay Section</li> <li>• Duck Bay Section</li> </ul> <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>• Reduced until further notice at Karluk Lagoon</li> <li>• Reduced until further notice in Saltery Cove for subsistence fishing</li> <li>• Reduced until further notice in Saltery Creek, Hearst Creek, and Rough Creek for commercial fishing</li> <li>• Reduced until further notice in Chiniak Bay for subsistence fishing</li> </ul>
17	10:30 AM 7/11/13	9:00 AM 7/12/13	<p><u>Extensions</u> in the Alitak District as follows:</p> <ul style="list-style-type: none"> <li>• Olga Bay section from 9:00 AM 7/12 to 9:00 AM 7/14</li> <li>• Moser Bay Section from 3:00 PM 7/12to 3:00 PM 7/14</li> <li>• Alitak Bay Section from 9:00 PM 7/12 to 9:00 PM 7/14</li> <li>• Cape Alitak Section from 9:00 AM 7/13 to 9:00 AM 7/15</li> </ul> <p>9:00 AM 7/13/13 <u>Extension</u> for 84 hours, until 9:00 PM 7/16:</p> <ul style="list-style-type: none"> <li>• Humpy-Deadman Section</li> </ul> <p>12:00 PM 7/13/13 <u>Opening</u> for 57 hours, until 9:00 PM 7/15:</p> <ul style="list-style-type: none"> <li>• Mainland District</li> </ul> <p>12:00 PM 7/13/13 <u>Opening</u> for 81 hours, until 9:00 PM 7/16:</p> <ul style="list-style-type: none"> <li>• Northwest Kodiak District (except Kizhuyak Bay Section remains closed)</li> <li>• Afognak District (except Izhut, Inner and Outer Kitoi Bay sections remain closed)</li> <li>• Eastside Kodiak District</li> <li>• Northeast Kodiak District</li> </ul> <p>9:00 PM 7/16/13 <u>Closure</u> in the following areas:</p> <ul style="list-style-type: none"> <li>• Inner and Outer Karluk sections</li> </ul> <p><u>Non-retention</u> of Chinook salmon 28 inches or greater in length until further notice:</p> <ul style="list-style-type: none"> <li>• That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk</li> </ul> <p><u>Non-retention</u> of Chinook salmon in the subsistence fishery until 8/1,</p> <ul style="list-style-type: none"> <li>• That portion of the Monashka/Mill Bay Section of the Northeast Kodiak District bounded by the latitude of Spruce Cape and the latitude of Termination Point</li> </ul> <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> <li>• Inner Ugak Bay Section</li> <li>• Duck Bay Section</li> </ul>

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E.O. #	Issued	Effective	Action in Effect
17 (cont.)			<p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>• Reduced until further notice in Saltery Cove for subsistence fishing</li> <li>• Reduced until further notice in Saltery Creek, Hearst Creek, and Rough Creek for commercial fishing</li> <li>• Reduced until further notice in Chiniak Bay for subsistence fishing</li> </ul>
18	10:00 AM 7/12/13	12:00 PM 7/13/13	<p><u>Opening</u> for 24 hours, until 12:00 PM 7/14:</p> <ul style="list-style-type: none"> <li>• Inner Ayakulik Section</li> </ul> <p><u>Opening</u> for 81 hours, until 9:00 PM 7/16:</p> <ul style="list-style-type: none"> <li>• Outer Ayakulik and Halibut Bay sections</li> </ul> <p><u>Non-retention</u> of Chinook salmon 28 inches or greater in length until further notice:</p> <ul style="list-style-type: none"> <li>• That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk</li> </ul> <p><u>Non-retention</u> of Chinook salmon in the subsistence fishery until 8/1,</p> <ul style="list-style-type: none"> <li>• That portion of the Monashka/Mill Bay Section of the Northeast Kodiak District bounded by the latitude of Spruce Cape and the latitude of Termination Point</li> </ul> <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> <li>• Inner Ugak Bay Section</li> <li>• Duck Bay Section</li> </ul> <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>• Reduced until further notice in Saltery Cove for subsistence fishing</li> <li>• Reduced until further notice in Saltery Creek, Hearst Creek, and Rough Creek for commercial fishing</li> <li>• Reduced until further notice in Chiniak Bay for subsistence fishing</li> </ul>
19	11:00 AM 7/15/13	12:01 AM 7/17/13	<p><u>Opening</u> for 48 hours, until 12:01 AM 7/19:</p> <ul style="list-style-type: none"> <li>• Cape Igvak Section</li> </ul> <p><u>Opening</u> in the Alitak District as follows:</p> <ul style="list-style-type: none"> <li>• Olga Bay Section from 6:00 AM 7/17 to 9:00 AM 7/19</li> <li>• Moser Bay Section from Noon 7/17 to 3:00 PM 7/19</li> <li>• Alitak Bay Section from 6:00 PM 7/17 to 9:00 PM 7/19</li> <li>• Cape Alitak Section from 6:00 AM 7/18 to 9:00 AM 7/20</li> </ul> <p><u>Non-retention</u> of Chinook salmon 28 inches or greater in length until further notice:</p> <ul style="list-style-type: none"> <li>• That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk</li> </ul> <p><u>Non-retention</u> of Chinook salmon in the subsistence fishery until 8/1,</p> <ul style="list-style-type: none"> <li>• That portion of the Monashka/Mill Bay Section of the Northeast Kodiak District bounded by the latitude of Spruce Cape and the latitude of Termination Point</li> </ul> <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> <li>• Inner Ugak Bay Section</li> <li>• Duck Bay sections</li> </ul>

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E.O. #	Issued	Effective	Action in Effect
19 (cont.)			<p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>• Reduced until further notice in Saltery Cove for subsistence fishing</li> <li>• Reduced until further notice in Saltery Creek, Hearst Creek, and Rough Creek for commercial fishing</li> <li>• Reduced until further notice in Chiniak Bay for subsistence fishing</li> </ul>
20	4:45 PM 7/15/13	9:00 PM 7/15/13	<p><u>Closes</u> Seaward Zones in the following areas:</p> <ul style="list-style-type: none"> <li>• Dakavak Bay, Outer Kukak Bay, Hallo Bay, Big River Shuyak Island, and Northwest Afognak sections</li> </ul> <p><u>Non-retention</u> of Chinook salmon 28 inches or greater in length until further notice:</p> <ul style="list-style-type: none"> <li>• That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk</li> </ul> <p><u>Non-retention</u> of Chinook salmon in the subsistence fishery until 8/1,</p> <ul style="list-style-type: none"> <li>• That portion of the Monashka/Mill Bay Section of the Northeast Kodiak District bounded by the latitude of Spruce Cape and the latitude of Termination Point</li> </ul> <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> <li>• Inner Ugak Bay Section</li> <li>• Duck Bay Section</li> </ul> <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>• Reduced until further notice in Saltery Cove for subsistence fishing</li> <li>• Reduced until further notice in Saltery Creek, Hearst Creek, and Rough Creek for commercial fishing</li> <li>• Reduced until further notice in Chiniak Bay for subsistence fishing</li> </ul>
21	10:00 AM 7/17/13	12:01 AM 7/19/13	<p><u>Extension</u> for 48 hours, until 12:01 AM 7/21:</p> <ul style="list-style-type: none"> <li>• Cape Igvak Section</li> </ul> <p><u>Non-retention</u> of Chinook salmon 28 inches or greater in length until further notice:</p> <ul style="list-style-type: none"> <li>• That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk</li> </ul> <p><u>Non-retention</u> of Chinook salmon in the subsistence fishery until 8/1,</p> <ul style="list-style-type: none"> <li>• That portion of the Monashka/Mill Bay Section of the Northeast Kodiak District bounded by the latitude of Spruce Cape and the latitude of Termination Point</li> </ul> <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> <li>• Inner Ugak Bay Section</li> <li>• Duck Bay Section</li> </ul> <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>• Reduced until further notice in Saltery Cove for subsistence fishing</li> <li>• Reduced until further notice in Saltery Creek, Hearst Creek, and Rough Creek for commercial fishing</li> <li>• Reduced until further notice in Chiniak Bay for subsistence fishing</li> </ul>

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E.O. #	Issued	Effective	Action in Effect
22	10:00 AM 7/18/13	9:00 AM 7/19/13	<p><u>Extensions</u> in the Alitak District as follows:</p> <ul style="list-style-type: none"> <li>• Olga Bay section from 9:00 AM 7/19 to 9:00 AM 7/21</li> <li>• Moser Bay Section from 3:00 PM 7/19 to 3:00 PM 7/21</li> <li>• Alitak Bay Section from 9:00 PM 7/19 to 9:00 PM 7/21</li> <li>• Cape Alitak Section from 9:00 AM 7/20 to 9:00 AM 7/22</li> </ul> <p>12:00 PM 7/19/13 <u>Opening</u> until further notice:</p> <ul style="list-style-type: none"> <li>• Izhut Bay Section north of a line from Haystack Rock</li> </ul> <p>12:00 PM 7/20/13 <u>Opening</u> until further notice:</p> <ul style="list-style-type: none"> <li>• Spiridon Bay Special Harvest Area</li> </ul> <p>12:00 PM 7/20/13 <u>Opening</u> for 57 hours, until 9:00 PM 7/22:</p> <ul style="list-style-type: none"> <li>• Mainland District (except Wide Bay remains closed)</li> </ul> <p>12:00 PM 7/20/13 <u>Opening</u> for 81 hours, until 9:00 PM 7/23:</p> <ul style="list-style-type: none"> <li>• Northwest Kodiak District</li> <li>• Outer Ayakulik and Halibut Bay sections</li> <li>• Afognak District (except Inner Kitoi Bay and Outer Kitoi Bay sections)</li> <li>• Eastside Kodiak District</li> <li>• Northeast Kodiak District</li> </ul> <p><u>Non-retention</u> of Chinook salmon 28 inches or greater in length until further notice:</p> <ul style="list-style-type: none"> <li>• That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk</li> </ul> <p><u>Non-retention</u> of Chinook salmon in the subsistence fishery until 8/1,</p> <ul style="list-style-type: none"> <li>• That portion of the Monashka/Mill Bay Section of the Northeast Kodiak District bounded by the latitude of Spruce Cape and the latitude of Termination Point</li> </ul> <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> <li>• Inner Ugak Bay Section</li> <li>• Duck Bay Section</li> </ul> <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>• Reduced until further notice in Saltery Cove for subsistence fishing</li> <li>• Reduced until further notice in Saltery Creek, Hearst Creek, and Rough Creek for commercial fishing</li> <li>• Reduced until further notice in Chiniak Bay for subsistence fishing</li> </ul>
23	10:00 AM 7/20/13	12:01 AM 7/21/13	<p><u>Extension</u> for 48 hours, until 12:01 AM 7/23:</p> <ul style="list-style-type: none"> <li>• Cape Igvak Section</li> </ul> <p><u>Non-retention</u> of Chinook salmon 28 inches or greater in length until further notice:</p> <ul style="list-style-type: none"> <li>• That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk</li> </ul> <p><u>Non-retention</u> of Chinook salmon in the subsistence fishery until 8/1,</p> <ul style="list-style-type: none"> <li>• That portion of the Monashka/Mill Bay Section of the Northeast Kodiak District bounded by the latitude of Spruce Cape and the latitude of Termination Point</li> </ul>

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E.O. #	Issued	Effective	Action in Effect
23 (cont.)			<p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> <li>• Inner Ugak Bay Section</li> <li>• Duck Bay Section</li> </ul> <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>• Reduced until further notice in Saltery Cove for subsistence fishing</li> <li>• Reduced until further notice in Saltery Creek, Hearst Creek, and Rough Creek for commercial fishing</li> <li>• Reduced until further notice in Chiniak Bay for subsistence fishing</li> </ul>
24	11:00 AM 7/22/13	12:01 AM 7/23/13	<p><u>Extension</u> for 72 hours, until 12:01 AM 7/26:</p> <ul style="list-style-type: none"> <li>• Cape Igvak Section</li> </ul> <p><u>Non-retention</u> of Chinook salmon 28 inches or greater in length until further notice:</p> <ul style="list-style-type: none"> <li>• That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk</li> </ul> <p><u>Non-retention</u> of Chinook salmon in the subsistence fishery until 8/1,</p> <ul style="list-style-type: none"> <li>• That portion of the Monashka/Mill Bay Section of the Northeast Kodiak District bounded by the latitude of Spruce Cape and the latitude of Termination Point</li> </ul> <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> <li>• Inner Ugak Bay Section</li> <li>• Duck Bay Section</li> <li>• Spiridon Bay Section</li> <li>• Izhut Bay Section north of a line from Haystack Rock</li> </ul> <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>• Reduced until further notice in Saltery Cove for subsistence fishing</li> <li>• Reduced until further notice in Saltery Creek, Hearst Creek, and Rough Creek for commercial fishing</li> <li>• Reduced until further notice in Chiniak Bay for subsistence fishing</li> </ul>
25	10:00 AM 7/23/13	9:00 PM 7/23/13  9:00 PM 7/23/13	<p><u>Extension</u> for 24 hours, until 9:00 PM 7/24:</p> <ul style="list-style-type: none"> <li>• Eastside Kodiak District</li> <li>• Northeast Kodiak District</li> </ul> <p><u>Extension</u> for 48 hours, until 9:00 PM 7/25:</p> <ul style="list-style-type: none"> <li>• Humpy-Deadman Section</li> </ul> <p><u>Non-retention</u> of Chinook salmon 28 inches or greater in length until further notice:</p> <ul style="list-style-type: none"> <li>• That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk</li> </ul> <p><u>Non-retention</u> of Chinook salmon in the subsistence fishery until 8/1,</p> <ul style="list-style-type: none"> <li>• That portion of the Monashka/Mill Bay Section of the Northeast Kodiak District bounded by the latitude of Spruce Cape and the latitude of Termination Point</li> </ul>

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E.O. #	Issued	Effective	Action in Effect
25(cont.)			<p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> <li>• Inner Ugak Bay Section</li> <li>• Duck Bay Section</li> <li>• Spiridon Bay Section</li> <li>• Izhut Bay Section north of a line from Haystack Rock</li> </ul> <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>• Reduced until further notice in Saltery Cove for subsistence fishing</li> <li>• Reduced until further notice in Saltery Creek, Hearst Creek, and Rough Creek for commercial fishing</li> <li>• Reduced until further notice in Chiniak Bay for subsistence fishing</li> </ul>
26	10:00 AM 7/24/13	6:00 AM 7/25/13	<p><u>Opening</u> in the Alitak District as follows:</p> <ul style="list-style-type: none"> <li>• Olga Bay Section from 6:00 AM 7/25 to 9:00 AM 7/27</li> <li>• Moser Bay Section from Noon 7/25 to 3:00 PM 7/27</li> <li>• Alitak Bay Section from 6:00 PM 7/25 to 9:00 PM 7/27</li> <li>• Cape Alitak Section from 6:00 AM 7/26 to 9:00 AM 7/28</li> </ul> <p><u>Non-retention</u> of Chinook salmon 28 inches or greater in length until further notice:</p> <ul style="list-style-type: none"> <li>• That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk</li> </ul> <p><u>Non-retention</u> of Chinook salmon in the subsistence fishery until 8/1,</p> <ul style="list-style-type: none"> <li>• That portion of the Monashka/Mill Bay Section of the Northeast Kodiak District bounded by the latitude of Spruce Cape and the latitude of Termination Point</li> </ul> <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> <li>• Inner Ugak Bay Section</li> <li>• Duck Bay Section</li> <li>• Spiridon Bay Section</li> <li>• Izhut Bay Section north of a line from Haystack Rock</li> </ul> <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>• Reduced until further notice in Saltery Cove for subsistence fishing</li> <li>• Reduced until further notice in Saltery Creek, Hearst Creek, and Rough Creek for commercial fishing</li> <li>• Reduced until further notice in Chiniak Bay for subsistence fishing</li> </ul>
27	10:30 PM 7/25/13	12:00 PM 7/27/13	<p><u>Opens</u> for 105 hours, until 9:00 PM 7/31:</p> <ul style="list-style-type: none"> <li>• Eastside Kodiak District</li> <li>• Northeast Kodiak District</li> <li>• Humpy-Deadman Section</li> </ul> <p>12:00 PM 7/27/13</p> <p><u>Opens</u> for 81 hours, until 9:00 PM 7/30:</p> <ul style="list-style-type: none"> <li>• Northwest Kodiak District (except Terror and Uyak Bay sections remain closed)</li> <li>• Afognak District (except Izhut, Inner Kitoi Bay, and Outer Kitoi Bay sections)</li> </ul>

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E.O. #	Issued	Effective	Action in Effect
27 (cont.)			<p><u>Non-retention</u> of Chinook salmon 28 inches or greater in length until further notice:</p> <ul style="list-style-type: none"> <li>• That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk</li> </ul> <p><u>Non-retention</u> of Chinook salmon in the subsistence fishery until 8/1,</p> <ul style="list-style-type: none"> <li>• That portion of the Monashka/Mill Bay Section of the Northeast Kodiak District bounded by the latitude of Spruce Cape and the latitude of Termination Point</li> </ul> <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> <li>• Inner Ugak Bay Section</li> <li>• Duck Bay Section</li> <li>• Spiridon Bay Section</li> <li>• Izhut Bay Section north of a line from Haystack Rock</li> </ul> <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>• Reduced until further notice in Saltery Cove for subsistence fishing</li> <li>• Reduced until further notice in Saltery Creek, Hearst Creek, and Rough Creek for commercial fishing</li> <li>• Reduced until further notice in Chiniak Bay for subsistence fishing</li> </ul>
28	10:00 AM 7/27/13	12:00 PM 7/28/13  9:00 PM 7/30/13  12:01 AM 8/1/13	<p><u>Opens</u> for 57 hours, until 9:00 PM 7/30:</p> <ul style="list-style-type: none"> <li>• Outer Ayakulik and Halibut Bay sections</li> </ul> <p><u>Closure</u> in the following areas:</p> <ul style="list-style-type: none"> <li>• Duck Bay Section</li> <li>• Izhut Bay Section north of a line from Haystack Rock</li> </ul> <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>• Increase to normal closed waters in Saltery Cove for commercial fishing</li> <li>• Increase to normal closed waters in Buskin River for subsistence fishing</li> </ul> <p><u>Non-retention</u> of Chinook salmon 28 inches or greater in length until further notice:</p> <ul style="list-style-type: none"> <li>• That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk</li> </ul> <p><u>Non-retention</u> of Chinook salmon in the subsistence fishery until 8/1,</p> <ul style="list-style-type: none"> <li>• That portion of the Monashka/Mill Bay Section of the Northeast Kodiak District bounded by the latitude of Spruce Cape and the latitude of Termination Point</li> </ul> <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> <li>• Inner Ugak Bay Section</li> <li>• Spiridon Bay Section</li> </ul> <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>• Reduced until further notice in Saltery Cove for subsistence fishing</li> </ul>

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E.O. #	Issued	Effective	Action in Effect
29	10:00 AM 7/30/13	9:00 PM 7/30/13	<p><u>Extension</u> for 24 hours, until 9:00 PM 7/31:</p> <ul style="list-style-type: none"> <li>Northwest Kodiak District (Except Terror and Uyak Bay sections remain closed)</li> <li>Northwest Afognak, Southwest Afognak, Southeast Afognak, and Raspberry Strait sections</li> <li>Outer Ayakulik and Halibut Bay sections</li> </ul> <p><u>Non-retention</u> of Chinook salmon 28 inches or greater in length until further notice:</p> <ul style="list-style-type: none"> <li>That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk</li> </ul> <p><u>Non-retention</u> of Chinook salmon in the subsistence fishery until 8/1,</p> <ul style="list-style-type: none"> <li>That portion of the Monashka/Mill Bay Section of the Northeast Kodiak District bounded by the latitude of Spruce Cape and the latitude of Termination Point</li> </ul> <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> <li>Spiridon Bay Section</li> </ul> <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>Reduced until further notice in Saltery Cove for subsistence fishing</li> </ul>
30	10:00 PM 7/31/13	12:00 PM 8/1/13  9:00 PM 7/31/13	<p><u>Opens</u> for 33 hours, until 9:00 PM 8/2:</p> <ul style="list-style-type: none"> <li>Inner Ayakulik Section</li> </ul> <p><u>Extension</u> for 48 hours, until 8/2:</p> <ul style="list-style-type: none"> <li>Eastside Kodiak District</li> <li>Northeast Kodiak District</li> <li>Humpy-Deadman Section</li> <li>Outer Ayakulik Section</li> </ul> <p><u>Non-retention</u> of Chinook salmon 28 inches or greater in length until further notice:</p> <ul style="list-style-type: none"> <li>That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk</li> </ul> <p><u>Non-retention</u> of Chinook salmon in the subsistence fishery until 8/1,</p> <ul style="list-style-type: none"> <li>That portion of the Monashka/Mill Bay Section of the Northeast Kodiak District bounded by the latitude of Spruce Cape and the latitude of Termination Point</li> </ul> <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> <li>Spiridon Bay Section</li> </ul> <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>Reduced until further notice in Saltery Cove for subsistence fishing</li> </ul>
31	10:00 PM 8/1/13	9:00 PM 8/2/13	<p><u>Extension</u> for 120 hours, until 9:00 PM 8/7:</p> <ul style="list-style-type: none"> <li>Eastside Kodiak District</li> <li>Northeast Kodiak District</li> <li>Humpy-Deadman Section</li> <li>Outer Ayakulik Section</li> </ul>

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E.O. #	Issued	Effective	Action in Effect
31 (cont.)		12:00 PM 8/3/13	<p><u>Opens</u> for 105 hours, until 9:00 PM 8/7:</p> <ul style="list-style-type: none"> <li>Northwest Kodiak District (except Terror and Uganik Bay sections remain closed)</li> <li>Southwest Afognak, Northwest Afognak, Raspberry Strait, Southeast Afognak, Northeast Afognak, and Perenosa Bay sections</li> </ul> <p><u>Non-retention</u> of Chinook salmon 28 inches or greater in length until further notice:</p> <ul style="list-style-type: none"> <li>That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk</li> </ul> <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> <li>Spiridon Bay Special Harvest Area</li> </ul> <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>Reduced until further notice in Saltery Cove for subsistence fishing</li> </ul>
32	10:00 AM 8/5/13	12:00 PM 8/6/13  9:00 PM 8/7/13  9:00 PM 8/7/13	<p><u>Opens</u> until further notice:</p> <ul style="list-style-type: none"> <li>Duck Bay Section</li> </ul> <p><u>Closure</u> in the following area:</p> <ul style="list-style-type: none"> <li>Spiridon Bay Special Harvest Area</li> </ul> <p><u>Extension</u> for 48 hours, until 9:00 PM 8/9:</p> <ul style="list-style-type: none"> <li>Eastside Kodiak District</li> <li>Northeast Kodiak District</li> <li>Humpy-Deadman Section</li> <li>Northwest Kodiak District (except Terror and Uganik Bay sections remain closed)</li> <li>Southwest Afognak, Northwest Afognak, Raspberry Strait, Southeast Afognak, Northeast Afognak, and Perenosa Bay sections</li> </ul> <p><u>Non-retention</u> of Chinook salmon 28 inches or greater in length until further notice:</p> <ul style="list-style-type: none"> <li>That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk</li> </ul> <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>Reduced until further notice in Saltery Cove for subsistence fishing</li> </ul>
33	10:00 AM 8/6/13	12:00 PM 8/7/13	<p><u>Opens</u> until further notice:</p> <ul style="list-style-type: none"> <li>Izhut Bay Section north of line from Haystack Rock</li> </ul> <p><u>Non-retention</u> of Chinook salmon 28 inches or greater in length until further notice:</p> <ul style="list-style-type: none"> <li>That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk</li> </ul> <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> <li>Duck Bay Section</li> </ul> <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>Reduced until further notice in Saltery Cove for subsistence fishing</li> </ul>

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E.O. #	Issued	Effective	Action in Effect
34	10:00 AM 8/7/13	9:00 PM 8/7/13	<u>Extension</u> for 96 hours, until 9:00 PM 8/11: <ul style="list-style-type: none"> <li>• Outer Ayakulik Section</li> </ul>
		12:00 PM 8/8/13	<u>Opens</u> for 81 hours, until 9:00 PM 8/11: <ul style="list-style-type: none"> <li>• Halibut Bay, Sturgeon, and Outer Karluk sections</li> </ul> <p><u>Non-retention</u> of Chinook salmon 28 inches or greater in length until further notice:</p> <ul style="list-style-type: none"> <li>• That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk</li> </ul> <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> <li>• Duck Bay Section</li> <li>• Izhut Bay Section north of a line from Haystack Rock</li> </ul> <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>• Reduced until further notice in Saltery Cove for subsistence fishing</li> </ul>
35	10:00 AM 8/8/13	12:00 PM 8/9/13	<u>Opens</u> for 9 hours, until 9:00 PM 8/9: <ul style="list-style-type: none"> <li>• Outer Kitoi Bay Section</li> <li>• Izhut Bay Section south of a line from Haystack Rock</li> </ul>
		12:00 PM 8/9/13	<u>Opens</u> for 57 hours, until 9:00 PM 8/11: <ul style="list-style-type: none"> <li>• Mainland District</li> </ul>
		12:00 PM 8/9/13	<u>Extension</u> for 96 hours, until 9:00 PM 8/13: <ul style="list-style-type: none"> <li>• Eastside Kodiak District</li> <li>• Northeast Kodiak District</li> <li>• Humpy-Deadman Section</li> <li>• Northwest Kodiak District (except Terror and Uganik Bay sections remain closed)</li> <li>• Southwest Afognak, Northwest Afognak, Raspberry Strait, Southeast Afognak, Northeast Afognak, and Perenosa Bay sections</li> </ul> <p><u>Non-retention</u> of Chinook salmon 28 inches or greater in length until further notice:</p> <ul style="list-style-type: none"> <li>• That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk</li> </ul> <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> <li>• Duck Bay Section</li> <li>• Izhut Bay Section north of a line from Haystack Rock</li> </ul> <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>• Reduced until further notice in Saltery Cove for subsistence fishing</li> </ul>
36	11:00 AM 8/9/13	9:00 PM 8/9/13	<u>Extension</u> until further notice: <ul style="list-style-type: none"> <li>• Izhut Bay Section south of a line from Haystack Rock</li> </ul> <p><u>Non-retention</u> of Chinook salmon 28 inches or greater in length until further notice:</p> <ul style="list-style-type: none"> <li>• That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk</li> </ul>

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E.O. #	Issued	Effective	Action in Effect
36 (cont.)			<p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> <li>• Duck Bay Section</li> <li>• Izhut Bay Section north of a line from Haystack Rock</li> </ul> <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>• Reduced until further notice in Saltery Cove for subsistence fishing</li> </ul>
37	10:00 AM 8/11/13	9:00 PM 8/11/13	<p><u>Extension</u> for 48 hours, until 9:00 PM 8/13:</p> <ul style="list-style-type: none"> <li>• Outer Ayakulik, Halibut Bay, Sturgeon, and Outer Karluk sections</li> <li>• Mainland District</li> </ul> <p>9:00 PM 8/11/13</p> <p><u>Closes</u> the following area:</p> <ul style="list-style-type: none"> <li>• Izhut Bay Section south of a line from Haystack Rock</li> </ul> <p><u>Non-retention</u> of Chinook salmon 28 inches or greater in length until further notice:</p> <ul style="list-style-type: none"> <li>• That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk</li> </ul> <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> <li>• Duck Bay Section</li> <li>• Izhut Bay Section north of a line from Haystack Rock</li> </ul> <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>• Reduced until further notice in Saltery Cove for subsistence fishing</li> </ul>
38	10:15 AM 8/12/13	12:00 PM 8/13/13	<p><u>Opens</u> for 57 hours, until 9:00 PM 8/15:</p> <ul style="list-style-type: none"> <li>• Izhut Bay Section south of a line from Haystack Rock</li> <li>• Outer Kitoi Bay Section</li> </ul> <p>9:00 PM 8/13/13</p> <p><u>Extension</u> until further notice:</p> <ul style="list-style-type: none"> <li>• Eastside Kodiak District</li> <li>• Northeast Kodiak District</li> <li>• Humpy-Deadman Section</li> <li>• Northwest Kodiak District (except Terror and Uganik Bay sections remain closed)</li> <li>• Southwest Afognak, Northwest Afognak, Raspberry Strait, Southeast Afognak, Northeast Afognak, and Perenosa Bay sections</li> </ul> <p><u>Non-retention</u> of Chinook salmon 28 inches or greater in length until further notice:</p> <ul style="list-style-type: none"> <li>• That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk</li> </ul> <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> <li>• Duck Bay Section</li> <li>• Izhut Bay Section north of a line from Haystack Rock</li> </ul> <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>• Reduced until further notice in Saltery Cove for subsistence fishing</li> </ul>
39	10:00 AM 8/13/13	9:00 PM 8/13/13	<p><u>Extension</u> for 93 hours, until 6:00 PM 8/17</p> <ul style="list-style-type: none"> <li>• Halibut Bay, Sturgeon, Outer Karluk sections</li> </ul>

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E.O. #	Issued	Effective	Action in Effect
39 (cont.)			<p><u>Non-retention</u> of Chinook salmon 28 inches or greater in length until further notice:</p> <ul style="list-style-type: none"> <li>• That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk</li> </ul> <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> <li>• Duck Bay Section</li> <li>• Izhut Bay Section north of a line from Haystack Rock</li> </ul> <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>• Reduced until further notice in Saltery Cove for subsistence fishing</li> </ul>
40	10:00 AM 8/15/13	9:00 PM 8/15/13	<p><u>Extension</u> for 45 hours, until 6:00 PM 8/17:</p> <ul style="list-style-type: none"> <li>• Izhut Bay Section south of a line from Haystack Rock</li> <li>• Outer Kitoi Bay Section</li> </ul> <p>12:00 PM 8/16/13</p> <p><u>Opens</u> until further notice:</p> <ul style="list-style-type: none"> <li>• Shuyak Island Section</li> <li>• Terror Bay Section</li> </ul> <p><u>Non-retention</u> of Chinook salmon 28 inches or greater in length until further notice:</p> <ul style="list-style-type: none"> <li>• That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk</li> </ul> <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> <li>• Eastside Kodiak District</li> <li>• Northeast Kodiak District</li> <li>• Humpy-Deadman Section</li> <li>• Northwest Kodiak District (except Uganik Bay Section remains closed)</li> <li>• Southwest Afognak, Northwest Afognak, Raspberry Strait, Southeast Afognak, Northeast Afognak, and Perenosa Bay sections</li> <li>• Duck Bay Section</li> <li>• Izhut Bay Section north of a line from Haystack Rock</li> </ul> <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>• Reduced until further notice in Saltery Cove for subsistence fishing</li> </ul>
41	10:00 AM 8/16/13	6:00 AM 8/17/13	<p><u>Opening</u> in the Alitak District as follows:</p> <ul style="list-style-type: none"> <li>• Olga Bay Section from 6:00 AM 8/17 to 9:00 AM 8/19</li> <li>• Moser Bay Section from Noon 8/17 to 3:00 PM 8/20</li> <li>• Alitak Bay Section from 6:00 PM 8/17 to 9:00 PM 8/20</li> <li>• Cape Alitak Section from 6:00 AM 8/18 to 9:00 AM 8/20</li> </ul> <p><u>Non-retention</u> of Chinook salmon 28 inches or greater in length until further notice:</p> <ul style="list-style-type: none"> <li>• That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk</li> </ul>

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E.O. #	Issued	Effective	Action in Effect
41(cont.)			<p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> <li>• Eastside Kodiak District</li> <li>• Northeast Kodiak District</li> <li>• Humpy-Deadman Section</li> <li>• Northwest Kodiak District (except Uganik Bay Section remains closed)</li> <li>• Southwest Afognak, Northwest Afognak, Raspberry Strait, Southeast Afognak, Northeast Afognak, and Perenosa Bay sections</li> <li>• Duck Bay Section</li> <li>• Izhut Bay Section north of a line from Haystack Rock</li> </ul> <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>• Reduced until further notice in Saltery Cove for subsistence fishing</li> </ul>
42	10:00 AM 8/19/13	12:00 PM 8/20/13  6:00 PM 8/19/13	<p><u>Opens</u> for 102 hours, until 6:00 PM 8/24:</p> <ul style="list-style-type: none"> <li>• Halibut Bay, Sturgeon, and Outer Karluk sections</li> </ul> <p><u>Closure</u> of the following area:</p> <ul style="list-style-type: none"> <li>• Duck Bay Section</li> </ul> <p><u>Non-retention</u> of Chinook salmon 28 inches or greater in length until further notice:</p> <ul style="list-style-type: none"> <li>• That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk</li> </ul> <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> <li>• Eastside Kodiak District</li> <li>• Northeast Kodiak District</li> <li>• Humpy-Deadman Section</li> <li>• Northwest Kodiak District (except Uganik Bay Section remains closed)</li> <li>• Southwest Afognak, Northwest Afognak, Raspberry Strait, Southeast Afognak, Northeast Afognak, Perenosa Bay, and Shuyak Island sections</li> <li>• Izhut Bay Section north of a line from Haystack Rock</li> </ul> <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>• Reduced until further notice in Saltery Cove for subsistence fishing</li> </ul>
43	10:15 AM 8/22/13	6:00 PM 8/22/13  6:00 PM 8/24/13	<p><u>Closure</u> of the following area:</p> <ul style="list-style-type: none"> <li>• Izhut Bay Section north of a line from Haystack Rock</li> </ul> <p><u>Extension</u> until further notice:</p> <ul style="list-style-type: none"> <li>• Halibut Bay, Sturgeon, and Outer Karluk sections</li> </ul> <p><u>Non-retention</u> of Chinook salmon 28 inches or greater in length until further notice:</p> <ul style="list-style-type: none"> <li>• That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk</li> </ul>

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E.O. #	Issued	Effective	Action in Effect
43 (cont.)			<p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> <li>• Eastside Kodiak District</li> <li>• Northeast Kodiak District</li> <li>• Humpy-Deadman Section</li> <li>• Northwest Kodiak District (except Uganik Bay Section remains closed)</li> <li>• Southwest Afognak, Northwest Afognak, Raspberry Strait, Southeast Afognak, Northeast Afognak, Perenosa Bay, and Shuyak Island sections</li> <li>• Izhut Bay Section north of a line from Haystack Rock</li> </ul> <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>• Reduced until further notice in Saltery Cove for subsistence fishing</li> </ul>
44	10:00 AM 8/23/13	12:00 PM 8/25/13  12:00 PM 8/25/13	<p><u>Opens</u> until further notice:</p> <ul style="list-style-type: none"> <li>• Duck Bay Section</li> </ul> <p><u>Opens</u> for 78 hours, until 6:00 PM 8/28:</p> <ul style="list-style-type: none"> <li>• Outer Ayakulik Section</li> <li>• Pauls Bay Section</li> </ul> <p><u>Non-retention</u> of Chinook salmon 28 inches or greater in length until further notice:</p> <ul style="list-style-type: none"> <li>• That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk</li> </ul> <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> <li>• Eastside Kodiak District</li> <li>• Northeast Kodiak District</li> <li>• Humpy-Deadman Section</li> <li>• Northwest Kodiak District (except Uganik Bay Section remains closed)</li> <li>• Southwest Afognak, Northwest Afognak, Raspberry Strait, Southeast Afognak, Northeast Afognak, Perenosa Bay, and Shuyak Island sections</li> <li>• Izhut Bay Section north of a line from Haystack Rock</li> </ul> <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>• Reduced until further notice in Saltery Cove for subsistence fishing</li> </ul>
45	10:15 AM 8/25/13	12:00 PM 8/26/13	<p><u>Opens</u> until further notice:</p> <ul style="list-style-type: none"> <li>• Izhut Bay Section north of line from Haystack Rock</li> </ul> <p><u>Non-retention</u> of Chinook salmon 28 inches or greater in length until further notice:</p> <ul style="list-style-type: none"> <li>• That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk</li> </ul>

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E.O. #	Issued	Effective	Action in Effect
45 (cont.)			<p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> <li>• Eastside Kodiak District</li> <li>• Northeast Kodiak District</li> <li>• Humpy-Deadman Section</li> <li>• Halibut Bay, Sturgeon, and Outer Karluk sections</li> <li>• Northwest Kodiak District (except Uganik Bay Section remains closed)</li> <li>• Southwest Afognak, Northwest Afognak, Raspberry Strait, Southeast Afognak, Northeast Afognak, Perenosa Bay, and Shuyak Island sections</li> <li>• Izhut Bay Section north of a line from Haystack Rock</li> </ul> <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>• Reduced until further notice in Saltery Cove for subsistence fishing</li> </ul>
46	10:30 AM 8/26/13	12:00 PM 8/27/13	<p><u>Opens</u> until further notice:</p> <ul style="list-style-type: none"> <li>• Izhut Bay Sectin south of line from Haystack Rock</li> </ul> <p>12:00 PM 8/27/13 <u>Opens</u> for 6 hours, until 6:00 PM 8/27:</p> <ul style="list-style-type: none"> <li>• Outer Kitoi Bay Section</li> </ul> <p>12:00 PM 8/27/13 <u>Opens</u> for 54 hours, until 6:00 PM 8/29:</p> <ul style="list-style-type: none"> <li>• Inner Ayakulik Section</li> </ul> <p>6:00 PM 8/27/13 <u>Closure</u> in the following area:</p> <ul style="list-style-type: none"> <li>• Raspberry Strait Section</li> </ul> <p>6:00 PM 8/28/13 <u>Extension</u> until further notice:</p> <ul style="list-style-type: none"> <li>• Outer Ayakulik Section</li> </ul> <p><u>Non-retention</u> of Chinook salmon 28 inches or greater in length until further notice:</p> <ul style="list-style-type: none"> <li>• That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk</li> </ul> <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> <li>• Eastside Kodiak District</li> <li>• Northeast Kodiak District</li> <li>• Humpy-Deadman Section</li> <li>• Halibut Bay, Sturgeon, and Outer Karluk sections</li> <li>• Northwest Kodiak District (except Uganik Bay Section remains closed)</li> <li>• Southwest Afognak, Northwest Afognak, Raspberry Strait, Southeast Afognak, Northeast Afognak, Perenosa Bay, Duck Bay, and Shuyak Island sections</li> </ul> <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>• Reduced until further notice in Saltery Cove for subsistence fishing</li> </ul>
47	10:00 AM 8/28/13		<p><u>Opening</u> in the Alitak District as follows:</p> <ul style="list-style-type: none"> <li>• Olga Bay Section from 6:00 AM 8/29 to 9:00 AM 8/31</li> <li>• Moser Bay Section from Noon 8/29 to 3:00 PM 8/31</li> <li>• Alitak Bay Section from 6:00 PM 8/29 to 9:00 PM 8/31</li> <li>• Cape Alitak Section from 6:00 AM 8/30 to 9:00 AM 9/1</li> </ul>

-continued-

E.O. #	Issued	Effective	Action in Effect
47 (cont.)			<p><u>Non-retention</u> of Chinook salmon 28 inches or greater in length until further notice:</p> <ul style="list-style-type: none"> <li>• That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk</li> </ul> <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> <li>• Eastside Kodiak District</li> <li>• Northeast Kodiak District</li> <li>• Humpy-Deadman Section</li> <li>• Halibut Bay, Sturgeon, Outer Karluk, and Outer Ayakulik sections</li> <li>• Northwest Kodiak District (except Uganik Bay Section remains closed)</li> <li>• Southwest Afognak, Northwest Afognak, Southeast Afognak, Northeast Afognak, Perenosa Bay, Duck Bay, Izhut Bay, and Shuyak Island sections</li> </ul> <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>• Reduced until further notice in Saltery Cove for subsistence fishing</li> </ul>
48	10:00 AM 8/31/13	12:00 PM 9/1/13	<p><u>Opens</u> until further notice:</p> <ul style="list-style-type: none"> <li>• Inner Karluk and Inner Ayakulik Bay sections</li> <li>• Inner Uganik Bay Section</li> </ul> <p><u>Non-retention</u> of Chinook salmon 28 inches or greater in length until further notice:</p> <ul style="list-style-type: none"> <li>• That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk</li> </ul> <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> <li>• Eastside Kodiak District</li> <li>• Northeast Kodiak District</li> <li>• Humpy-Deadman Section</li> <li>• Halibut Bay, Sturgeon, Outer Karluk, and Outer Ayakulik sections</li> <li>• Northwest Kodiak District</li> <li>• Southwest Afognak, Northwest Afognak, Southeast Afognak, Northeast Afognak, Perenosa Bay, Duck Bay, Izhut Bay, and Shuyak Island sections</li> <li>• Izhut Bay Section north of a line from Haystack Rock</li> </ul> <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>• Reduced until further notice in Saltery Cove for subsistence fishing</li> </ul>



## **APPENDIX C. CAPE IGVAK FISHERY SUMMARY**

## INTRODUCTION

Beginning in 1964, a purse seine fishery developed along the capes in the Cape Igvak Section of the Mainland District (Appendix C2). Tagging studies and stock identification studies using average weight and age composition conducted in 1968 and 1969 concluded that up to 80 percent of the sockeye salmon harvested in the Cape Igvak Section were of Chignik origin (Kodiak Area Annual Report, 1969, ADF&G, Kodiak, unpublished). The issue of interception of Chignik-bound sockeye salmon in the Cape Igvak Section came before the Board of Fisheries several times over the next ten years, and management of this section was modified many times. From 1974 through 1977, this area was managed for “day for day” equal fishing time with the Chignik Bay District of the Chignik Management Area (CMA).

In 1978, a specific management plan for the Cape Igvak Section was adopted by the BOF. The *Cape Igvak Salmon Management Plan (CISMP; 5 AAC 18.360)* covered the time period from the start of the season through July 25 for fishing activity in the Cape Igvak Section of the Mainland District. This management plan stipulated that 80% of the sockeye salmon harvest from the Cape Igvak Section during this period would be considered Chignik bound. In 2002, the BOF modified the *CISMP* such that 90% of the Cape Igvak Section sockeye salmon catch was now considered to be Chignik bound. The *CISMP* allows the Kodiak Management Area (KMA) fleet to harvest up to 15% of the Chignik-bound sockeye salmon harvest.<sup>1</sup> The *CISMP* also stipulated strict allocative and biological requirements. Through July 25 in Chignik, a minimum harvest of 600,000 sockeye salmon must be expected (300,000 each for both the early- and late-run), and sockeye salmon escapement must be at desired levels for a harvest to be allowed. Commercial fisheries had to begin in the CMA before fisheries were allowed in the Cape Igvak Section (Keyse 2013).

Since this plan was adopted in 1978, the catch of Chignik-bound sockeye salmon from the Cape Igvak Section has ranged from 0% to 17.9% of the total Chignik sockeye salmon harvest (Appendix C3) and has averaged 10.9% of the total CMA sockeye salmon harvest (Appendix C4). The Cape Igvak harvest has met or exceeded its 15% allocation level in 9 of the 35 years the plan has been in place (Appendices C3 and C4).

### *2013 Cape Igvak Fishery*

#### **Early Run**

The 2013 preseason forecast for the Chignik system predicted a return of approximately 2,767,000 early-run (Black Lake) sockeye salmon. The early-run escapement goal is 350,000 to 400,000 sockeye salmon by July 4 (Nemeth et al. 2010). This left a forecasted harvestable surplus of 2,417,000 early-run sockeye salmon (Eggers et al. 2013).

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<sup>1</sup> Chignik-bound sockeye salmon are also harvested in the Southeastern Mainland District of the Alaska Peninsula Management Area, in accordance with the regulatory Southeastern District Mainland Salmon Management Plan, 5 AAC 09.360.

The early Chignik sockeye salmon return was strong and the allocative and biological requirements were met, allowing the Cape Igvak Section to open on June 8 with five total days of fishing in June (Appendix C5). Through June 25, there were 295,561 sockeye salmon harvested from the Cape Igvak Section. An estimated 90% of these sockeye salmon, or 266,005 fish, were considered Chignik bound. The combined harvest in the CMA plus 80% of the sockeye salmon harvested in the Southeastern District Mainland considered to be Chignik bound, the cumulative Cape Igvak harvest was 17.0% of the total Chignik sockeye harvest through June 25. The *CISMP* provides for an “overlap period” between the first and second runs (June 26 to July 9) during which fishing in the Cape Igvak Section is closed or severely limited until the strength of the late run (Chignik Lake) can be assessed. In accordance with the *CISMP*, the Cape Igvak fishery was closed from June 19 through July 9.

### **Late Run**

The preseason forecast for late-run (Chignik Lake) sockeye salmon was approximately 1,047,000 fish in 2013. The late-run escapement goal is 250,000 to 400,000 sockeye salmon (Nemeth et al. 2010). This resulted in a forecasted harvestable surplus of 951,000 sockeye salmon (Eggers et al 2013).

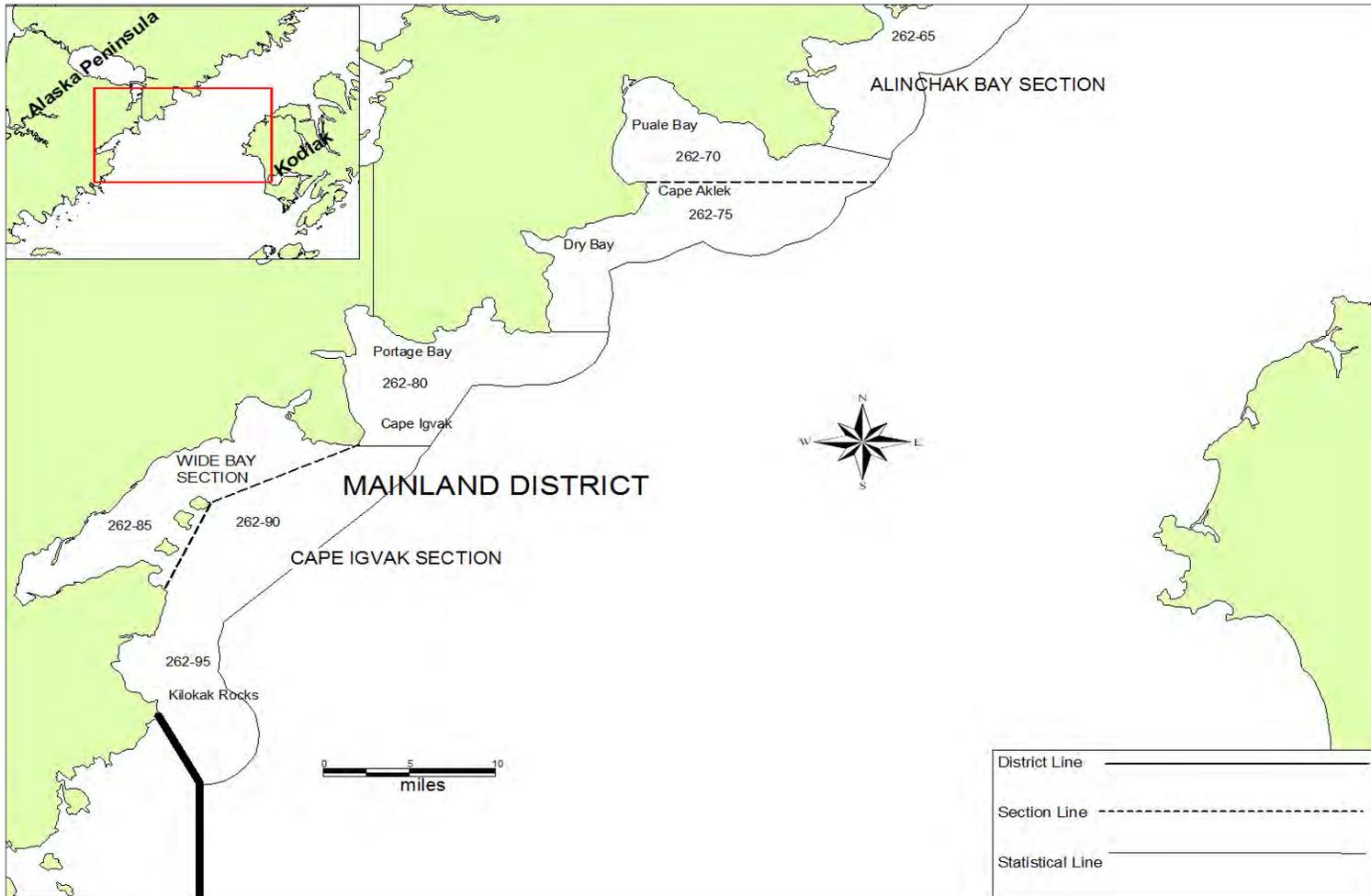
The 2013 Chignik late run (Chignik Lake) was strong and allowed for the fishing opportunity in the Cape Igvak Section beginning on July 9 (Appendix C5). There were a total of 11 days of fishing opportunity in the Cape Igvak Section during July. From July 9 through July 25, there was a total of 97,971 sockeye salmon harvested in the Cape Igvak Section. An estimate of 88,174 (90%) sockeye salmon was considered Chignik bound.

The season cumulative harvest from the Cape Igvak Section was 393,532 sockeye salmon (Appendix C5). The combined harvest in the CMA plus 80% of the sockeye salmon harvested in the Southeastern District Mainland considered to be Chignik bound, and the cumulative Cape Igvak harvest was 12.79% of the total Chignik sockeye harvest through July 25 (Appendix C3).

## **REFERENCES CITED**

- Eggers D. M., C. Tide and A. M. Carroll. 2013. Run forecasts and harvest projections for the 2013 Alaska salmon fisheries and review of the 2012 season. Alaska Department of Fish and Game, Special Publication No. 13-03, Anchorage.
- Keyse, M. 2013. Kodiak management area harvest strategy for the 2013 commercial salmon fishery. Alaska Department of Fish and Game, Fishery Management Report No.13-10, Anchorage.
- Nemeth, M. J., M. E. Loewen, H. Finkle, J. S. Schmidt, J. W. Erickson, M. J. Witteveen, and D. Barnard. 2010. Review of escapement goals in the Chignik Management Area, 2010. Alaska Department of Fish and Game, Fishery Manuscript No. 10-08, Anchorage.
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Appendix C2.—Map of the Cape Igvak Section of the Kodiak Management Area, 2013.



Appendix C3.–Harvest of sockeye salmon considered to be Chignik bound in the Chignik, Cape Igvak, and Southeastern District Mainland commercial salmon fisheries, from 1978 to 2013.

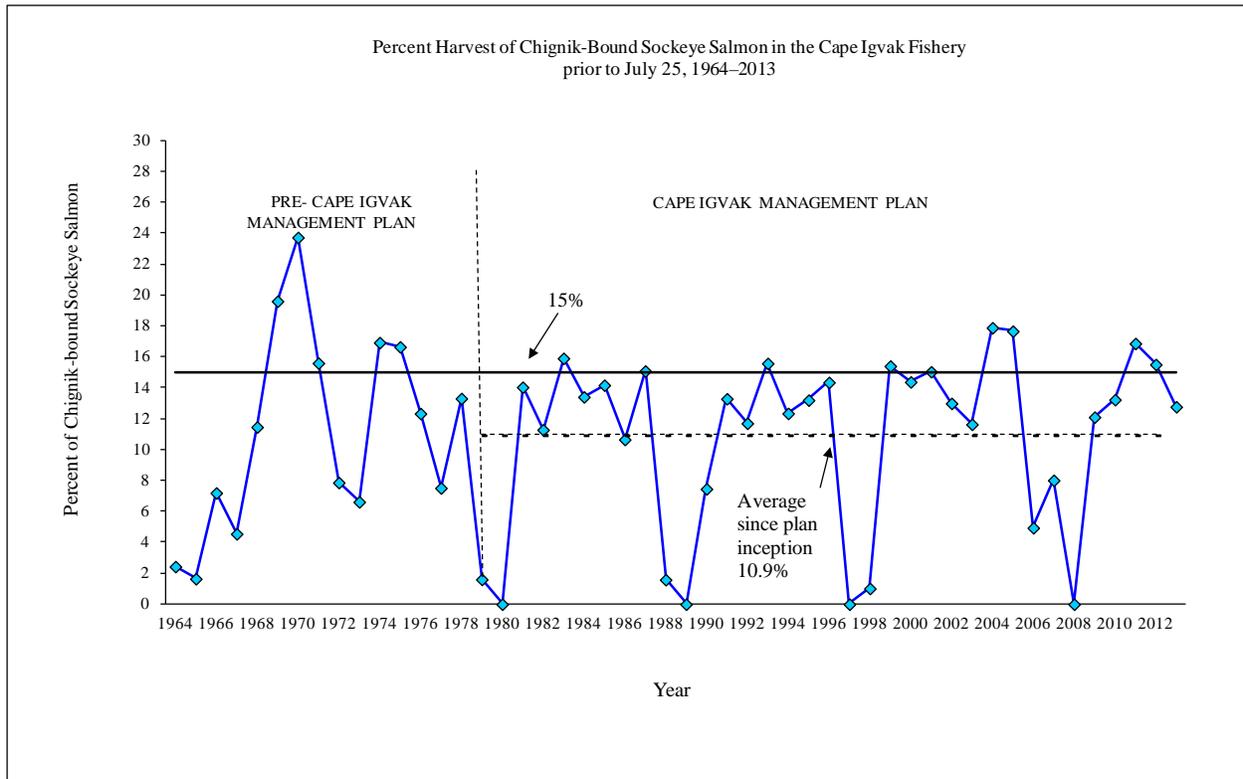
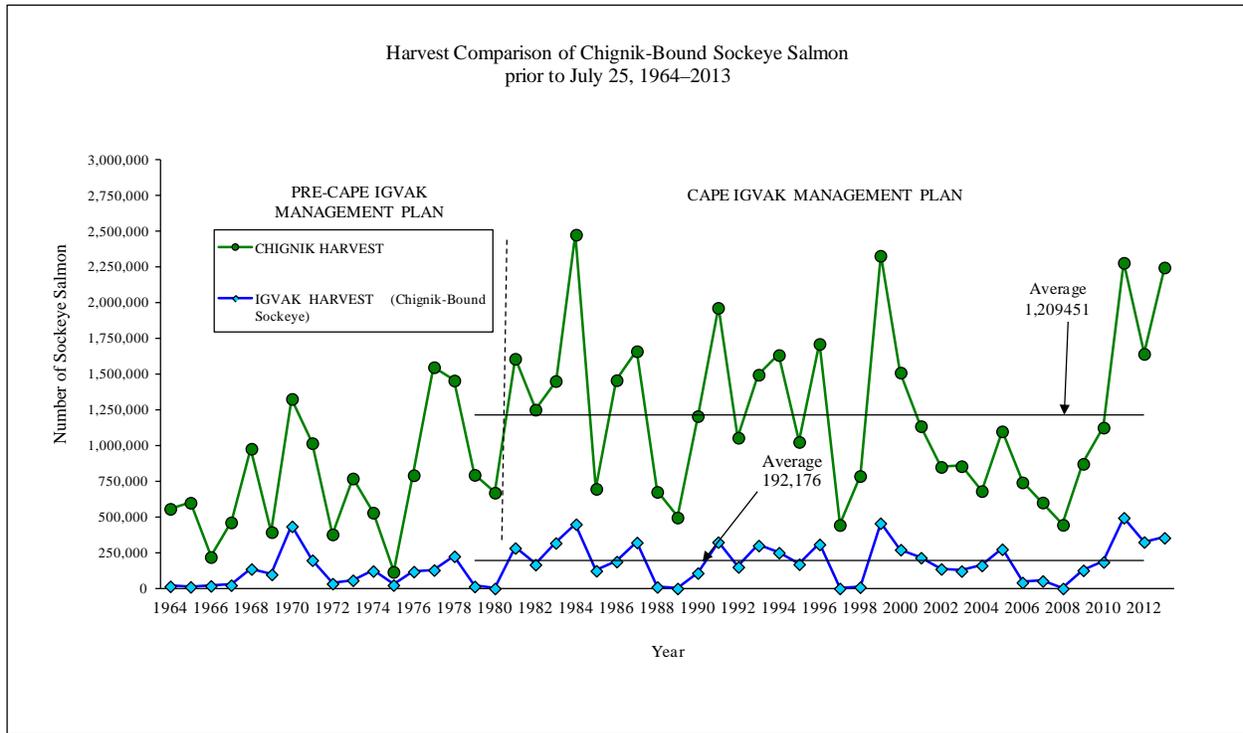
Year	Chignik		Cape Igvak <sup>a</sup>		Southeastern District Mainland <sup>a</sup>		Total
	Catch <sup>b</sup>	Percent	Catch <sup>b</sup>	Percent	Catch <sup>b</sup>	Percent	
1978 <sup>c</sup>	1,454,389	86.60	225,078	13.40	N/A	N/A	1,679,467
1979 <sup>d</sup>	794,504	98.27	13,950	1.73	N/A	N/A	808,454
1980	670,001	91.31	32	0.00	63,724	8.68	733,757
1981	1,606,300	79.87	282,727	14.06	122,198	6.08	2,011,225
1982	1,250,768	84.49	166,756	11.26	62,789	4.24	1,480,313
1983	1,450,832	72.68	318,048	15.93	227,392	11.39	1,996,272
1984	2,474,405	73.93	449,372	13.43	423,292	12.65	3,347,069
1985 <sup>e</sup>	690,698	79.78	123,627	14.28	51,421	5.94	865,746
1986	1,456,729	82.64	188,017	10.67	118,006	6.69	1,762,752
1987	1,659,236	77.99	321,506	15.11	146,886	6.90	2,127,628
1988	675,487	95.77	10,520	1.49	19,320	2.74	705,327
1989	496,044	99.10	<sup>f</sup>	0.00	4,485	0.90	500,529
1990	1,205,575	84.29	107,706	7.53	117,065	8.18	1,430,346
1991 <sup>g</sup>	1,962,583	80.45	324,195	13.29	152,714	6.26	2,439,492
1992 <sup>h</sup>	1,054,309	81.19	150,434	11.58	93,845	7.23	1,298,588
1993	1,495,098	77.72	300,055	15.60	128,536	6.68	1,923,689
1994 <sup>i</sup>	1,632,435	80.61	250,230	12.36	142,350	7.03	2,025,015
1995	1,024,785	79.85	169,530	13.21	89,086	6.94	1,283,401
1996 <sup>j</sup>	1,710,249	79.70	308,327	14.37	127,201	5.93	2,145,777
1997	443,892	100.00	<sup>f</sup>	0.00	<sup>f</sup>	0.00	443,892
1998 <sup>k</sup>	786,466	91.22	8,813	1.02	66,893	7.76	862,172
1999	2,326,811	78.70	456,039	15.43	173,621	5.87	2,956,471
2000	1,509,652	80.11	271,344	14.40	103,419	5.49	1,884,415
2001 <sup>l</sup>	1,134,991	79.41	215,214	15.06	79,037	5.53	1,429,242
2002 <sup>m</sup>	849,980	80.99	136,488	13.01	63,026	6.01	1,049,494
2003	854,673	81.67	121,887	11.65	69,935	6.68	1,046,495
2004	681,139	75.94	160,665	17.91	55,123	6.15	896,927
2005	1,098,718	70.84	274,328	17.69	177,906	11.47	1,550,952
2006	741,887	87.72	41,834	4.95	62,010	7.33	845,731
2007 <sup>n</sup>	601,213	91.97	52,527	8.03	<sup>f</sup>	0.00	653,740
2008	455,199	100.00	<sup>f</sup>	0.00	<sup>f</sup>	0.00	455,199
2009	871,890	83.26	126,968	12.12	48,322	5.54	1,047,180
2010	1,125,135	80.62	185,193	13.27	85,267	7.58	1,395,595
2011	2,277,681	77.77	494,538	16.89	156,637	6.88	2,928,856
2012	1,640,517	78.44	324,895	15.53	126,083	7.69	2,091,495
2013	2,244,918	81.10	354,179	12.79	169,029	7.53	2,768,126

<sup>a</sup> Through 2001, the Cape Igvak and Southeastern District Mainland figures represent 80% of the total sockeye salmon catch for those areas, based on the premise that 80% of the sockeye salmon caught in those areas are destined for Chignik (excluding sockeye salmon caught in the Northwest Stepovak Section from 1964 through 1991 and during July from 1996 through 2009, and Orzinski Bay from 1992 through 1995). In 2002, for the Cape Igvak fishery, the BOF increased the percentage of the sockeye salmon harvest considered to be Chignik bound from 80% to 90%.

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- <sup>b</sup> Beginning in 1978, the Cape Igvak Salmon Management Plan allocated up to 15% of the total catch of Chignik-bound sockeye salmon to Kodiak Management Area fishermen.
- <sup>c</sup> In 1978, seining prior to July 11 was disallowed in the Southeastern District Mainland. Set gillnet fishing periods were allowed for 3 days per week through July 10, after which the fishery was based on local stock abundance.
- <sup>d</sup> From 1979 through 1984, fishing in the Southeastern District Mainland was allowed for 5 days per week prior to July 11, with an estimated ceiling of 60,000 Chignik-bound sockeye. If the Chignik Management Area catch was 1,000,000 or more before July 11 then the ceiling was removed.
- <sup>e</sup> Beginning in 1985, the Southeastern District Mainland (excluding the Northwest Stepovak Section and Orzinski Bay) was allocated of 6.2% of the total harvest of Chignik-bound sockeye salmon through July 25. After July 25 the Southeast District Mainland was managed based on local stock abundance. The allocation level changed to 6.0% beginning in 1988, with seining still not allowed prior to July 11.
- <sup>f</sup> No fishery.
- <sup>g</sup> Includes overescapement of 208,305 sockeye salmon, counted through the Chignik weir during a Chignik Area seiners strike (June 23 to July 4).
- <sup>h</sup> Beginning in 1992, after a BOF review of historical records, the allocation of Chignik-bound sockeye salmon to the Southeastern District Mainland fishery (excluding Orzinski Bay) was increased to 7.0%, through July 25.
- <sup>i</sup> Includes overescapement of 208,921 sockeye salmon, counted through the Chignik weir during a Chignik Area seiners strike (June 2 to June 25).
- <sup>j</sup> In January 1996, the BOF increased the area managed for local Orzinski Lake sockeye salmon from only Orzinski Bay to the entire Northwest Stepovak Section. Prior to July 1, the entire Northwest Stepovak Section will be managed by allocation based on Chignik sockeye salmon run strength. Beginning July 1, the Northwest Stepovak Section is managed entirely on local stocks. The BOF also decreased the percentage of Chignik-bound sockeye salmon allocated to the Southeastern District Mainland fishery from 7.0% to 6.0%.
- <sup>k</sup> Includes 7,714 sockeye salmon caught on June 18 by the Chignik Seiners Association (CSA), and an overescapement of 52,131 sockeye salmon counted past the weir during the CSA boycott (June 16 to June 29).
- <sup>l</sup> Includes 176,605 sockeye salmon caught June 16–29 by the CSA, and foregone harvest due to overescapement of 398,887 in the CMA and 27,896 in the Southeast District Mainland during the fishermen’s strike (June 14 to July 2).
- <sup>m</sup> In 2002, the BOF changed the regulations such that 90% (up from 80%) of sockeye salmon harvested in the Cape Igvak Section through July 25 are to be considered Chignik bound.
- <sup>n</sup> In 2007, the BOF changed the Southeastern District Mainland allocation from 6.0% of the total Chignik-bound harvest to 7.6% of the total Chignik Area harvest.

Appendix C4.—Impact of the Cape Igvak Salmon Management Plan.



Appendix C5.–Purse seine daily harvest, by species, for the Cape Igvak sockeye salmon fishery, 2013.

Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
First Period (June 8–June 10)												
8-Jun	35	35	104	1,172	21,623	151,784	0	0	632	4,075	1,677	12,167
9-Jun	26	26	93	1,319	25,804	175,027	0	0	146	408	1,189	8,658
10-Jun	34	34	96	1,406	44,922	312,810	0	0	199	545	1,700	14,071
Subtotal	45	95	293	3,897	92,349	639,621	0	0	977	5,028	4,566	34,896
Second Period (June 17–June 18)												
17-Jun	64	67	470	4,494	131,537	847,573	0	0	2,103	5,720	9,649	79,307
18-Jun	57	59	298	2,915	71,675	472,523	0	0	1,781	5,124	6,912	55,039
Subtotal	70	126	768	7,409	203,212	1,320,096	0	0	3,884	10,844	16,561	134,346
Third Period (July 9–July 10)												
9-Jul	15	15	797	4,238	12,430	78,150	357	2,089	7,928	22,547	4,839	43,702
10-Jul	21	22	454	3,606	18,437	113,273	621	3,577	11,305	27,456	6,614	50,933
Subtotal	25	37	1,251	7,844	30,867	191,423	978	5,666	19,233	50,003	11,453	94,635
Fourth Period (July 17–July 25)												
17-Jul	21	21	508	4,758	14,033	93,486	1,992	13,466	19,819	62,991	5,860	49,720
18-Jul	7	7	115	923	4,233	25,756	447	2,705	4,309	16,735	1,836	14,134
19-Jul	15	15	416	2,844	10,787	72,762	1,090	7,940	11,955	32,801	3,602	29,082
20-Jul	8	8	371	2,872	12,319	76,911	1,549	11,331	18,002	56,310	4,692	34,599
21-Jul	6	6	328	2,617	4,945	33,756	724	5,596	14,053	41,117	2,786	25,757
22-Jul	5	5	181	1,710	6,222	40,128	885	6,362	20,210	52,518	2,782	25,347
23-Jul	7	8	144	1,294	6,180	40,207	828	5,929	21,838	66,220	3,510	27,193
24-Jul	9	10	232	1,703	5,462	34,066	1,009	7,197	25,686	78,080	4,640	35,236
25-Jul	6	6	76	821	2,923	17,366	546	4,028	9,951	35,627	2,331	17,108
Subtotal	31	86	2,371	19,542	67,104	434,438	9,070	64,554	145,823	442,399	32,039	258,176
Season Total	78	344	4,683	38,692	393,532	2,585,578	10,048	70,220	169,917	508,274	64,619	522,053
Avg.Wt.				8.3		6.6		7.0		3.0		8.1

Note: Only 90% of the sockeye caught in the Cape Igvak fishery are defined by regulation to be Chignik bound.

## **APPENDIX D. ALITAK DISTRICT FISHERY SUMMARY**

## INTRODUCTION

The Alitak District (AD) fishery is unique in the Kodiak Management Area (KMA) because set gillnet and seine gear can both fish in this district, but are segregated by sections. Set gillnets are allowed only in the inside waters of the Alitak Bay, Moser Bay, and Olga Bay sections, while seine gear is limited to the outer waters of the Cape Alitak and Humpy-Deadman sections until September 5 (5 AAC 18.330(d)(2); Appendix D2). Prior to the mid-1980s, various strategies were applied in the AD to conserve and build sockeye salmon stocks returning to the Frazer and Upper Station systems, while offering some protection to local pink, chum, and coho salmon stocks. In the fall of 1987, the existing harvest strategy was formalized into a regulatory management plan, and was adopted by the Board of Fisheries (5 AAC 18.361). This plan details the key species and targeted stocks that are managed for in each section of the district throughout the fishing season. The stated intent of this plan is to allow the harvest of salmon in the "traditional" fisheries located in the Cape Alitak, Humpy-Deadman, Alitak Bay, Moser Bay, and Olga Bay sections (Keyse 2013).

This management plan has been in effect since 1988 and was most recently revised by the BOF in 2005. The BOF divided the former Moser-Olga Bay and Alitak Bay sections into three separate sections: Olga Bay, Moser Bay, and Alitak Bay. Each section was given a specific statistical area number. The initial commercial fishing period remained a 33-hour commercial test fishery for the entire AD (Keyse 2013). However, through September 15, all subsequent commercial salmon fisheries in the Cape Alitak Section and the new Alitak Bay, Moser Bay, and Olga Bay sections have staggered opening and closing times according to regulation (5 AAC 18.361(c)). Also, from the conclusion of the test fishing period until September 15, there shall be a minimum closure of 69 consecutive hours in every 10-day period, to apply to each section individually as each section closes, unless ADF&G determines that the sockeye salmon escapement goals will be achieved for both the Frazer and Upper Station sockeye salmon runs.

### 2013 Alitak Fishery

The total run forecast for the Upper Station early-run sockeye salmon was 50,000 fish salmon, with an estimated harvestable surplus of approximately 25,000 fish. The 2013 total run forecast for the Frazer Lake system was 186,000 sockeye salmon (Eggers et al. 2013), with an estimated harvestable surplus of approximately 49,000 sockeye salmon. The total run forecast for Upper Station late run was 231,000 sockeye salmon, with an estimated harvestable surplus of approximately 45,000 sockeye salmon (Eggers et al. 2013).

The Early-run Upper Station sockeye salmon run has a BOF mandated optimum escapement goal (OEG) of 25,000 fish. The Frazer Lake sockeye salmon biological escapement goal (BEG) range is 75,000 to 170,000 fish. The 2013 targeted sockeye salmon escapement for Frazer Lake was based on a maximum sustained yield calculation of 117,000 fish (Nemeth et al. 2010). Sockeye salmon escapement are first enumerated through a lower weir near the outlet of the Dog Salmon River (Dog Salmon weir) and then enumerated through the fish pass (Frazer Lake fish pass) below the outlet of the lake. The 2013 targeted Dog Salmon weir sockeye salmon

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escapement was determined to be 137,000 fish. Upper Station late run has a BEG of 120,000 to 265,000 fish. The 2013 target sockeye salmon escapement for Upper Station late run was based on a maximum sustained yield calculation of 186,000 fish (Nemeth et al. 2010).

### **Olga Bay, Moser Bay, Alitak Bay, and Cape Alitak Salmon Management**

The *Alitak District Management Plan* (ADMP; 5 AAC 18.361) dictates that from June 1 through July 16, commercial salmon fishing must be managed in the Cape Alitak, Humpy-Deadman, Alitak Bay, Moser, and Olga Bay sections based on the sockeye salmon returning to the Frazer and Upper Station systems. The Frazer run shall be managed for maximum sustained yield and the Upper Station early run shall be managed for sustained yield by an OEG of 25,000 fish. From June 1 through June 13, the commissioner may also open a 33-hour commercial test fishing period beginning at noon.

In 2013, the early-run sockeye salmon return to the Upper Station system was weak, but the department still anticipated meeting the OEG. A 33-hour test fishery was announced for June 9 and the subsequent harvest indicated an average abundance of sockeye salmon in the AD. Following the test fishery, daily weir counts through the Upper Station weir were still very weak (Fuerst *In prep*). Based on increasing escapement of fish at Dog Salmon weir and adequate escapement at Upper Station, the fishery was reopened for 51 hours on June 12. The harvest indicated an above average abundance of sockeye salmon in the district. However, it was necessary to again have a short closure to allow more early-run sockeye salmon escapement into Upper Station.

After a four day closure, sockeye salmon escapement past Dog Salmon weir was on track to greatly exceed the upper end of the Frazer sockeye salmon escapement goal (Fuerst *In prep*). The fishery was reopened for 51 hours on June 20 and later extended for 24 hours due to the above average abundance of sockeye salmon in the district. However, it was necessary to again have a short closure to get early-run sockeye salmon escapement into Upper Station.

After a short closure it was again necessary to open the fishery for 75 hours on June 26 due to above average escapement past both Dog Salmon weir and Frazer Lake fish pass (Fuerst *In prep*). Harvest indicated an above average abundance of sockeye salmon and the fishery was extended for an additional 48 hours. It was then necessary to have a closure to allow for more Frazer sockeye salmon escapement.

After several days of adequate Dog Salmon weir escapement a significant buildup of sockeye salmon was detected on Dog Salmon Flats and the department announced another 51-hour fishing period on July 8. Harvests indicated a decrease in the abundance of sockeye salmon in the district, but a large push of sockeye salmon past Dog Salmon weir forced the department to extend the fishery for an additional 48 hours. Although the harvest indicated a significant decline in the abundance of sockeye salmon in the district, more than adequate escapement past both Dog Salmon weir and Frazer fish pass made it necessary to extend the fishery for an additional 48 hours (Fuerst *In prep*). At that point it was necessary to have the mandatory 69 hour closure within the 10-day period.

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Cumulative escapement into the Upper Station Lakes through July 15 was 27,712 sockeye salmon (Fuerst *In prep*), which was above the OEG of 25,000 fish.

From July 16 through August 9, commercial salmon fishing must be managed in the Cape Alitak, Alitak Bay, Moser Bay, and Olga Bay sections based on either pink or sockeye salmon returning to the Frazer system. With more than adequate sockeye salmon escapement through both Dog Salmon weir and Frazer fish pass the department announced a 51-hour fishing period on July 17. Although the harvest indicated a significant decline in the abundance of sockeye salmon in the district, more than adequate escapement past both Dog Salmon weir and Frazer fish pass made it necessary to extend the fishery for an additional 48 hours (Fuerst *In prep*). At that point it became clear that Dog Salmon pink salmon escapement was lagging behind and the fishery was closed. The final 2013 Frazer fish pass sockeye salmon escapement was 136,059 fish (Fuerst *In prep*; Table 4).

The *Alitak District Management Plan* dictates that during odd-numbered years, from August 10 through August 25, commercial salmon fishing must be managed in the Cape Alitak, Moser, and Olga Bay sections based on the sockeye salmon returning to the Upper Station system. The late-run sockeye salmon return to the Upper Station system was weak and the Cape Alitak, Moser, and Olga Bay sections remained closed until August 17 when the department announced a 51-hour test fishery. With harvests indicating below average abundance of sockeye salmon and weak Upper Station escapement, the fishery closed for an extended period of time.

From August 26 through the end of the season, the Cape Alitak, Alitak Bay, Moser and Olga Bay sections are managed based on coho and late sockeye salmon returns to all Olga Bay systems. With Upper Station coho salmon escapement well above average and enough late-run sockeye salmon escapement to meet the minimum Upper Station sockeye salmon escapement goal, the department announced a short commercial fishing period on August 29. The catch per unit effort indicated below average abundance of coho salmon. Due to continued weak Upper Station late-run escapement no more fishing periods were allowed during the 2013 season. The 2013 Upper Station late-run cumulative escapement was 125,573 sockeye salmon (Fuerst *In prep*).

### **Humpy-Deadman Section Salmon Management**

The Humpy-Deadman Section (HDS) is managed from June 1 through July 15 to be open concurrently the Cape Alitak Section. After July 15, the HDS is managed based on the strength of the local salmon returns.

On July 20, the HDS opened for 81 hours with the remainder of the KMA for the third scheduled pink salmon opening. Early aerial surveys indicated above average abundance of pink salmon and the HDS was extended for 48 hours. On July 27, the HDS opened for 105 hours with the remainder of the KMA for the fourth scheduled pink salmon opening. An aerial survey indicated continued above average abundance of pink salmon and the fishery was extended until further notice.

### Season Totals

In 2013, set gillnet harvest in the Olga Bay Section (statistical area 257-40), by 20 permit holders included 1 Chinook; 38,632 sockeye; 448 coho; 5,482 pink; and 1,877 chum salmon (Appendix D3). Set gillnet harvest in the Moser Bay Section (statistical area 257-43) by 18 permit holders included 0 Chinook; 47,616 sockeye; 797 coho; 12,802 pink; and 509 chum salmon (Appendix D3). Set gillnet harvest in the Alitak Bay Section (statistical area 257-41) by 29 permit holders included 3 Chinook; 48,510 sockeye; 423 coho; 19,750 pink; and 1,377 chum salmon (Appendix D3).

In 2013, seine harvest in the Cape Alitak Section (statistical areas 257-10 and 257-20) by 49 permit holders included 491 Chinook; 58,245 sockeye; 350 coho; 375,084 pink; and 13,403 chum salmon (Appendix D4). Seine harvest in the Humpy-Deadman Section (statistical areas 257-50, 257-60, and 257-70) by 52 permit holders included 149 Chinook; 29,114 sockeye; 2,017 coho, 2,227,099 pink; and 18,045 chum salmon (Appendix D4).

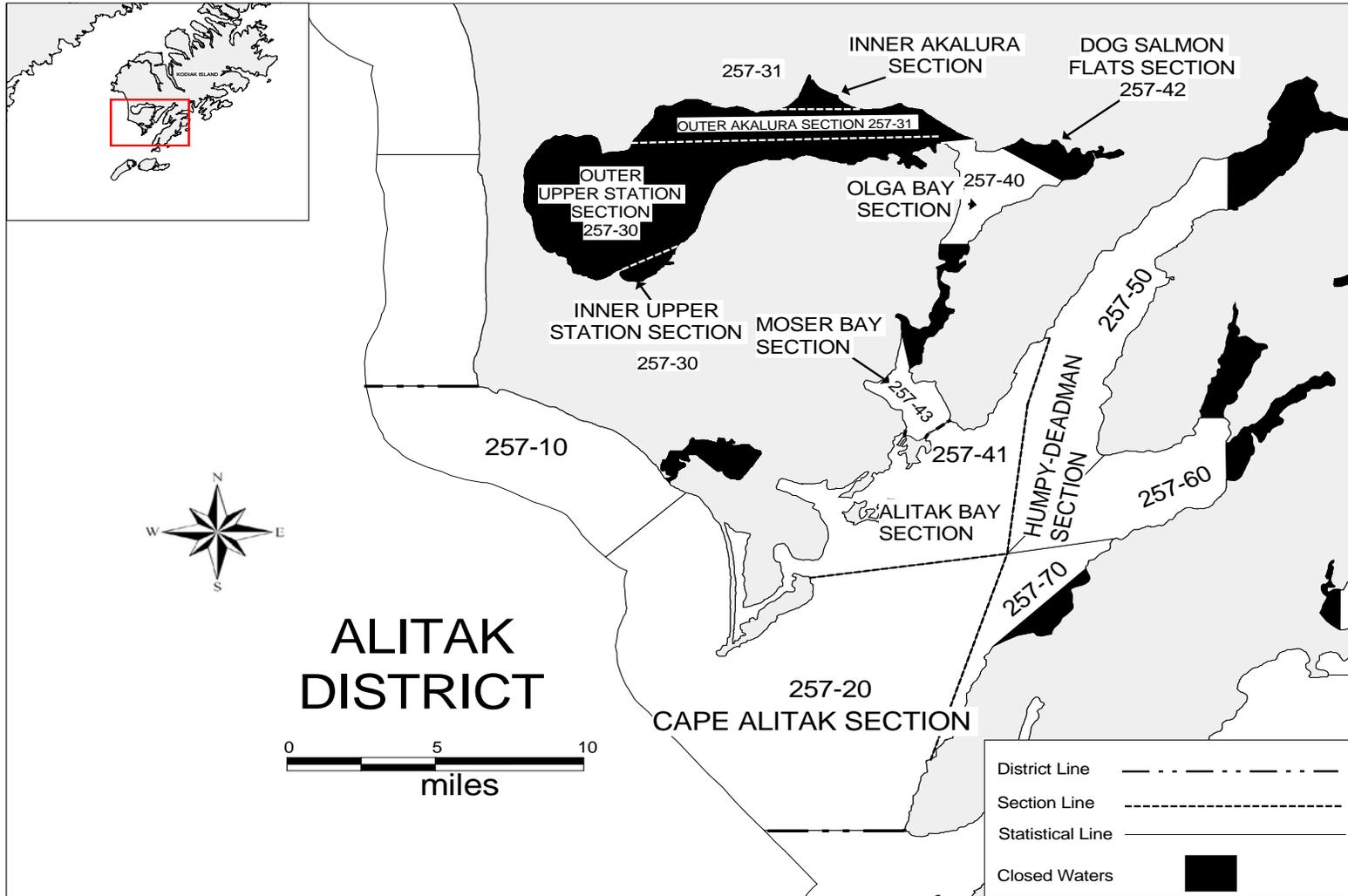
Sixty two purse seine permit holders fished in the AD fisheries, and harvested 640 Chinook (99% of the total AD Chinook harvest); 87,359 sockeye (39%); 2,367 coho (59%); 2,602,183 pink (99%); and 31,448 chum salmon (92%; Appendices D4, D5 and D6). Fifty eight gillnet permit holders fished in the AD, and harvested 4 Chinook (1%); 134,154 sockeye (61%); 1,668 coho (41%); 38,034 pink (1%); and 2,556 chum salmon (8%; Appendices D3, D5 and D6).

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Appendix D2.—Map of the Alitak District showing sections, statistical areas, and closed waters, 2013.



Appendix D3.—Set gillnet daily salmon harvest, by species and section, for the Alitak District,2013.

Statistical Area	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	
Olga Bay Section 257-40	9-Jun	7	7	0	0	1,350	7,236	0	0	0	0	0	0	
	10-Jun	11	13	0	0	2,371	13,031	0	0	0	0	1	9	
	13-Jun	11	16	0	0	3,427	18,356	0	0	0	0	2	18	
	14-Jun	9	10	0	0	1,187	6,539	0	0	0	0	3	24	
	15-Jun	8	8	0	0	835	4,489	0	0	0	0	1	8	
	20-Jun	11	23	0	0	6,700	36,364	0	0	0	0	16	151	
	21-Jun	11	14	0	0	1,737	9,387	0	0	0	0	10	92	
	22-Jun <sup>a</sup>													
	23-Jun	7	7	0	0	327	1,834	0	0	0	0	3	24	
	26-Jun	11	13	0	0	6,567	34,934	0	0	15	55	16	135	
	27-Jun	8	8	0	0	1,535	8,147	0	0	1	3	8	70	
	28-Jun	9	13	0	0	917	5,093	0	0	9	32	25	206	
	29-Jun	4	4	0	0	152	821	0	0	1	4	3	24	
	30-Jun	4	4	1	10	204	1,124	0	0	2	8	6	48	
	1-Jul	3	3	0	0	35	184	0	0	3	12	3	25	
	8-Jul	12	18	0	0	3,187	17,350	2	12	419	1,737	45	360	
	9-Jul	9	13	0	0	1,858	10,052	0	0	343	1,361	59	470	
	10-Jul	6	7	0	0	167	884	0	0	52	212	23	182	
	11-Jul	7	8	0	0	172	978	0	0	72	300	17	140	
	12-Jul	3	3	0	0	44	255	0	0	11	47	1	8	
	13-Jul <sup>a</sup>													
	14-Jul <sup>a</sup>													
	17-Jul	7	8	0	0	521	2,871	2	18	234	1,023	25	174	
	18-Jul	5	5	0	0	74	454	0	0	70	324	3	24	
	19-Jul	5	5	0	0	17	99	0	0	26	107	4	36	
	20-Jul													
	21-Jul	3	3	0	0	24	136	0	0	19	78	3	24	
	25-Jul	8	11	0	0	565	3,452	1	8	340	1,442	15	120	
	26-Jul	4	5	0	0	113	701	1	8	74	308	9	72	
	27-Jul	3	3	0	0	79	524	0	0	64	269	4	32	
17-Aug	8	15	0	0	2,260	12,661	91	799	1,738	7,301	201	1,034		
18-Aug	6	8	0	0	452	2,619	36	336	619	2,540	35	283		

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Statistical Area	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Olga Bay	19-Aug	3	3	0	0	210	1,180	29	260	299	1,258	299	1,258
Section	29-Aug	5	12	0	0	1,035	5,902	195	1,802	678	2,995	678	2,995
257-40	30-Aug	4	6	0	0	278	1,552	77	654	252	1,061	252	1,061
(cont.)	31-Aug <sup>a</sup>												
Total		20	286	1	10	38,632	210,509	448	4,027	5,482	23,082	1,877	9,616
Average weight					10.00				8.99		4.21		5.12
Moser Bay	9-Jun	7	7	0	0	1,868	10,239	0	0	0	0	0	0
Section	10-Jun	9	14	0	0	2,602	14,393	0	0	0	0	0	0
257-43	13-Jun	9	11	0	0	2,818	14,666	0	0	0	0	1	8
	14-Jun	9	17	0	0	3,515	18,424	0	0	0	0	0	0
	15-Jun	7	7	0	0	1,594	7,471	0	0	0	0	0	0
	20-Jun	6	7	0	0	2,688	14,628	0	0	0	0	4	33
	21-Jun	12	13	0	0	2,539	13,747	0	0	1	3	2	14
	22-Jun	6	6	0	0	1,130	6,109	0	0	1	4	3	24
	23-Jun	8	9	0	0	2,313	12,237	0	0	2	7	8	66
	26-Jun	9	11	0	0	3,046	15,623	0	0	6	20	10	86
	27-Jun	9	12	0	0	1,422	7,133	0	0	5	14	5	44
	28-Jun	7	9	0	0	1,465	7,513	1	8	1	4	5	39
	29-Jun	8	12	0	0	1,215	6,501	0	0	16	57	13	108
	30-Jun	6	7	0	0	565	3,168	1	6	17	61	7	58
	1-Jul	7	7	0	0	366	1,939	0	0	2	7	5	40
	8-Jul	8	8	0	0	2,066	11,055	0	0	419	1,593	61	490
	9-Jul	10	14	0	0	1,731	9,296	1	7	332	1,251	37	303
	10-Jul	9	11	0	0	818	4,435	0	0	232	913	23	193
	11-Jul	9	12	0	0	862	4,790	0	0	264	976	31	249
	12-Jul	8	8	0	0	399	2,197	230	1,287	222	826	22	187
	13-Jul	8	10	0	0	397	2,007	1	8	180	677	4	32
	14-Jul	8	9	0	0	154	852	1	6	154	569	3	24
	17-Jul	9	9	0	0	792	4,356	2	15	446	1,702	21	163
	18-Jul	8	12	0	0	675	3,711	2	17	675	2,628	13	99
	19-Jul	10	12	0	0	503	2,740	1	7	580	2,262	21	171
	20-Jul	10	11	0	0	519	2,938	2	15	466	1,713	6	47

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Statistical Area	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Moser Bay	21-Jul	9	10	0	0	739	4,064	0	0	296	1,087	7	55
Section	25-Jul	4	4	0	0	445	2,471	4	29	207	754	22	170
257-43	26-Jul	10	12	0	0	1,232	6,846	0	0	462	1,733	26	210
(cont.)	27-Jul	8	8	0	0	541	3,084	2	14	264	1,018	16	127
	17-Aug	8	8	0	0	1,350	7,411	52	501	1,703	6,885	19	166
	18-Aug	9	15	0	0	2,266	12,396	101	1,029	3,027	12,264	30	255
	19-Aug	9	10	0	0	2,020	11,351	158	1,422	1,939	7,715	24	187
	29-Aug	5	7	0	0	434	2,375	108	1,057	472	1,930	29	266
	30-Aug	5	9	0	0	397	2,093	101	922	313	1,296	19	153
	31-Aug	5	5	0	0	130	729	29	261	98	403	12	97
Total		18	353	0	0	47,616	254,988	797	6,611	12,802	50,372	509	4,164
Average weight					0.00				8.29		3.93		8.18
Alitak Bay	9-Jun	5	5	0	0	1,923	9,861	0	0	0	0	0	0
Section	10-Jun	9	11	0	0	3,792	19,706	0	0	0	0	1	14
257-41	13-Jun	4	4	0	0	429	2,351	0	0	0	0	0	0
	14-Jun	11	21	0	0	6,384	33,811	0	0	4	11	9	69
	15-Jun	8	11	0	0	2,000	10,545	1	8	0	0	3	22
	20-Jun	4	4	0	0	771	4,271	0	0	1	3	2	15
	21-Jun	14	20	0	0	5,291	28,732	0	0	5	16	19	153
	22-Jun	5	5	0	0	1,758	9,442	0	0	13	46	13	102
	23-Jun	10	15	0	0	2,800	15,402	0	0	6	22	7	57
	26-Jun	4	4	0	0	882	4,433	0	0	10	34	21	171
	27-Jun	8	13	0	0	2,399	12,875	0	0	26	74	19	142
	28-Jun	8	9	0	0	471	2,514	0	0	6	19	9	68
	29-Jun	11	12	0	0	778	4,299	0	0	19	70	17	147
	30-Jun	8	8	0	0	576	3,108	0	0	9	33	29	240
	1-Jul	10	13	1	6	1,577	8,458	3	18	64	234	40	326
	8-Jul <sup>a</sup>												
	9-Jul	15	18	0	0	1,577	8,493	1	6	426	1,643	81	683
	10-Jul	8	11	0	0	834	4,635	2	12	260	987	80	658
	11-Jul	13	16	0	0	855	4,851	1	6	227	844	94	722
	12-Jul	12	14	1	21	848	4,722	8	63	193	715	60	476

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Statistical Area	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Alitak Bay	13-Jul	8	12	0	0	968	5,406	9	62	269	982	50	417
Section	14-Jul	12	15	0	0	613	3,491	0	0	134	490	47	365
257-41	17-Jul <sup>a</sup>												
(cont.)	18-Jul	11	13	0	0	1,179	6,502	2	15	1,016	3,915	146	1,126
	19-Jul	13	15	0	0	640	3,498	4	30	770	2,941	62	478
	20-Jul	11	12	0	0	575	3,162	2	16	688	2,568	58	460
	21-Jul	10	14	0	0	561	3,098	1	8	508	1,927	49	398
	25-Jul <sup>a</sup>												
	26-Jul	10	11	0	0	634	3,561	1	7	495	1,876	62	485
	27-Jul	11	14	0	0	385	2,257	1	8	151	593	37	296
	17-Aug	3	3	0	0	132	600	2	20	786	3,102	12	120
	18-Aug	11	18	0	0	2,828	15,164	152	1,436	4,641	17,736	115	1,008
	19-Aug	12	17	1	31	2,930	16,294	99	914	3,835	13,630	95	777
	29-Aug	4	4	0	0	174	973	57	539	2,443	9,526	36	297
	30-Aug	7	10	0	0	438	2,421	42	376	1,355	5,093	40	325
	31-Aug	8	9	0	0	284	1,550	35	317	1,129	4,542	27	226
Total		29	386	3	58	48,510	261,687	423	3,861	19,750	74,661	1,377	11,148
Average weight					19.33		5.39		9.13		3.78		8.10
Grand Total		58	995	4	68	134,758	727,184	1,668	14,499	38,034	148,115	3,763	24,928
Average weight					17.00		5.40		8.69		3.89		6.62

<sup>a</sup> Confidential

Appendix D4.–Purse seine daily salmon harvest, by species and section, for the Alitak District, 2013.

Statistical Area	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Cape Alitak Section (257-10 & 20)	14-Jun <sup>a</sup>												
	15-Jun	6	6	85	1,135	8,018	46,231	0	0	47	133	77	600
	21-Jun	11	11	27	391	8,354	45,784	0	0	398	1,187	361	2,628
	22-Jun	6	6	3	45	1,799	11,072	0	0	144	432	57	482
	23-Jun	11	11	4	38	3,365	20,043	0	0	372	1,425	136	1,125
	24-Jun <sup>a</sup>												
	27-Jun <sup>a</sup>	13	13	45	705	3,257	17,587	0	0	1,747	4,179	247	1,862
	28-Jun	5	5	2	24	1,166	6,139	2	12	565	1,519	142	1,137
	29-Jun	10	10	33	445	2,515	15,339	0	0	1,052	3,120	327	2,728
	30-Jun <sup>a</sup>												
	1-Jul	8	9	19	211	1,619	10,291	0	0	2,027	6,079	229	1,854
	2-Jul <sup>a</sup>												
	8-Jul <sup>a</sup>												
	9-Jul	5	5	42	482	2,529	14,506	44	267	7,686	18,091	696	5,180
	10-Jul	3	3	39	474	1,855	12,432	55	331	4,445	13,336	559	4,464
	11-Jul	7	7	53	488	2,826	16,806	35	217	19,830	55,216	941	7,440
	12-Jul	9	9	29	360	4,103	26,172	37	236	43,244	123,309	545	4,206
	13-Jul	9	10	13	150	3,846	24,664	15	94	38,656	115,249	551	4,382
	14-Jul <sup>a</sup>												
	18-Jul	11	11	11	155	1,972	12,635	40	274	56,542	172,845	1,166	9,218
	19-Jul	10	10	16	154	1,258	7,479	19	147	41,791	127,137	5,004	39,691
	20-Jul	7	7	10	107	524	3,347	1	6	53,426	172,465	385	3,218
	21-Jul <sup>a</sup>												
	25-Jul	3	3	0	0	19	106	0	0	1,538	3,847	205	2,051
	26-Jul	10	10	1	25	499	2,885	30	217	18,741	59,293	385	2,852
	27-Jul	6	6	7	125	2,172	11,250	42	290	44,097	135,259	296	2,076
	28-Jul	3	3	1	18	269	1,429	3	17	9,450	28,349	97	620
	2-Aug <sup>a</sup>												
	31-Aug <sup>a</sup>												
Total		49	170	491	6,038	58,245	343,621	350	2,349	375,084	1,131,541	13,403	105,831
Average weight					12.30		5.90		6.71		3.02		7.90

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Statistical Area	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Humpy-Deadman Section (257-50,60 & 70)	9-Jun	6	6	1	18	1,547	7,753	0	0	2	7	18	132
	14-Jun <sup>a</sup>												
	15-Jun <sup>a</sup>												
	21-Jun	6	6	1	5	847	4,610	0	0	64	193	43	355
	1-Jul	1	1	0	0	42	249	0	0	31	92	5	56
	2-Jul	1	2	0	0	242	1,549	0	0	1,023	2,970	99	804
	9-Jul	11	11	61	567	2,877	19,334	36	226	17,285	51,862	919	7,405
	10-Jul	7	7	31	302	1,505	10,100	23	145	14,015	42,052	556	4,451
	11-Jul	4	4	0	0	406	2,533	3	17	17,924	54,895	1,315	10,535
	12-Jul <sup>a</sup>												
	13-Jul <sup>a</sup>												
	14-Jul	3	3	1	8	879	5,633	1	6	15,903	47,713	185	1,483
	15-Jul	5	5	1	10	517	3,413	0	0	36,268	119,455	139	1,087
	16-Jul	8	8	2	57	692	4,889	0	0	33,658	144,080	235	1,860
	20-Jul	8	8	2	17	245	1,492	0	0	52,025	188,547	270	2,063
	21-Jul	18	19	9	137	1,292	8,262	6	43	106,016	385,935	712	6,100
	22-Jul	16	17	2	12	724	4,537	18	112	91,682	308,849	430	3,501
	23-Jul	8	10	0	0	316	1,912	1	4	57,597	161,914	175	1,278
	24-Jul	13	14	14	120	553	3,220	25	148	88,731	245,617	690	4,902
	25-Jul	16	16	1	9	582	3,541	31	192	60,030	171,473	682	5,692
	26-Jul <sup>a</sup>												
	27-Jul	13	16	1	7	586	3,650	21	123	76,536	224,531	327	2,053
	28-Jul	9	9	1	8	1,204	7,531	25	164	46,847	145,927	290	2,107
	29-Jul	14	14	0	0	1,497	9,330	8	57	83,010	246,059	309	2,433
	30-Jul	13	13	0	0	1,015	6,325	12	73	53,653	161,784	268	2,029
	31-Jul	5	5	0	0	239	1,303	28	193	13,891	36,966	51	372
	1-Aug	13	13	3	23	903	5,406	21	146	62,348	184,307	733	5,595
	2-Aug	9	9	3	39	853	5,207	54	428	36,124	105,499	753	5,884
3-Aug <sup>a</sup>													
4-Aug	9	10	0	0	750	4,593	4	28	33,096	106,865	1,163	8,063	
5-Aug <sup>a</sup>													
7-Aug	8	8	0	0	143	850	30	217	40,792	130,080	1,710	12,859	

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Statistical Area	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	
Humpy-Deadman Section (257-50,60 & 70) (cont.)	8-Aug	6	7	0	0	76	471	28	226	71,170	226,989	933	7,154	
	9-Aug	6	7	0	0	73	453	19	134	41,819	130,064	420	3,364	
	10-Aug	7	7	1	26	415	2,531	45	336	81,023	271,188	706	4,906	
	11-Aug	7	8	2	63	130	800	45	281	75,002	219,471	565	4,074	
	13-Aug	5	7	0	0	38	228	4	27	49,631	160,384	152	1,036	
	14-Aug	5	13	0	0	252	1,536	34	273	100,668	368,595	310	2,374	
	15-Aug <sup>a</sup>													
	16-Aug	5	6	1	9	101	584	3	22	51,876	181,742	57	581	
	17-Aug	6	7	0	0	111	683	36	331	52,730	175,752	122	1,015	
	18-Aug	7	8	3	43	528	3,098	92	769	62,892	209,197	138	1,143	
	19-Aug	6	6	0	0	744	4,361	78	695	66,307	213,403	372	2,871	
	20-Aug	7	7	0	0	371	2,200	148	1,041	78,722	236,571	454	3,327	
	21-Aug	10	11	0	0	608	3,404	241	2,009	95,739	287,227	417	3,117	
	22-Aug	8	9	1	23	233	1,393	232	2,089	65,632	205,197	173	1,442	
	23-Aug	7	7	0	0	208	1,259	250	2,011	56,121	177,033	155	1,415	
	24-Aug	5	5	0	0	324	1,977	187	1,607	60,591	197,300	77	727	
	25-Aug	4	4	0	0	23	133	89	733	34,238	109,568	106	979	
	26-Aug <sup>a</sup>													
	27-Aug <sup>a</sup>													
	28-Aug <sup>a</sup>													
29-Aug <sup>a</sup>														
30-Aug <sup>a</sup>														
Total		52	375	149	1,590	29,114	175,991	2,017	16,153	2,227,099	7,075,117	18,045	138,546	
Average weight					10.67		6.04		8.01		3.18		7.68	
Grand Total		62	539	640	7,628	87,359	519,612	2,367	18,502	2,602,183	8,206,658	31,448	244,377	
Average weight					11.92		5.95		7.82		3.15		7.77	

<sup>a</sup> Confidential information.

Appendix D5.–Salmon harvest by gear type and species for the Alitak District, 2013.

	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		Total	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Purse Seine														
Total	62	539	640	7,628	87,396	519,872	2,367	18,502	2,610,441	8,231,431	31,492	244,727	2,732,336	9,022,160
Average weight				11.92		5.95		7.82		3.15		7.77		
Set Gillnet														
Total	58	995	4	68	134,758	727,184	1,668	14,499	38,034	148,115	2,556	20,163	177,020	910,029
Average weight				12.35		5.40		7.47		3.84		7.03		
Year Total														
Total	120	1,534	644	7,696	222,154	1,247,056	4,035	33,001	2,648,475	8,379,546	34,048	264,890	2,909,356	9,932,189
Average weight				11.95		5.61		8.18		3.16		7.78		

Appendix D6.—Commercial salmon harvest, by species with percent harvest by gear type, in the Alitak District, 1954–2013.

Year	Chinook <sup>a</sup>			Sockeye <sup>a</sup>			Coho <sup>a</sup>			Pink <sup>a</sup>			Chum <sup>a</sup>			Total <sup>a</sup>		
	Number	GN%	PS%	Number	GN%	PS%	Number	GN%	PS%	Number	GN%	PS%	Number	GN%	PS%	Number	GN%	PS%
1954	3	33%	67%	44,448	94%	6%	1,118	93%	7%	490,038	47%	53%	55,788	19%	81%	591,395	48%	52%
1955	38	74%	26%	56,058	89%	11%	410	68%	32%	1,656,363	15%	85%	100,031	17%	83%	1,812,900	18%	82%
1956	10	10%	90%	62,673	77%	23%	904	25%	75%	335,669	30%	70%	55,967	11%	89%	455,223	34%	66%
1957	7	14%	86%	15,365	88%	12%	378	31%	69%	410,620	12%	88%	49,661	27%	73%	476,031	16%	84%
1958	11	0%	100%	30,542	79%	21%	488	33%	67%	770,851	29%	71%	81,255	8%	92%	883,147	29%	71%
1959	11	18%	82%	24,888	59%	41%	378	30%	70%	544,592	23%	77%	70,589	8%	92%	640,458	23%	77%
1960	29	17%	83%	68,472	77%	23%	2,129	77%	23%	1,561,476	25%	75%	102,432	13%	87%	1,734,538	26%	74%
1961	23	4%	96%	145,781	67%	33%	1,470	49%	51%	1,589,027	14%	86%	60,600	18%	82%	1,796,901	19%	81%
1962	5	20%	80%	124,496	75%	25%	1,792	79%	21%	1,886,769	23%	77%	54,115	26%	74%	2,067,177	26%	74%
1963	30	7%	93%	54,992	60%	40%	1,202	31%	69%	1,522,856	14%	86%	42,836	10%	90%	1,621,916	15%	85%
1964	29	10%	90%	50,167	72%	28%	2,324	76%	24%	1,408,731	46%	54%	34,460	13%	87%	1,495,711	46%	54%
1965	16	6%	94%	68,876	68%	32%	688	16%	84%	1,129,185	11%	89%	20,604	17%	83%	1,219,369	14%	86%
1966	2	50%	50%	70,526	91%	9%	585	78%	22%	429,204	40%	60%	33,153	18%	82%	533,470	46%	54%
1967	6	0%	100%	14,227	82%	18%	50	0%	100%	84,918	66%	34%	17,377	55%	45%	116,578	66%	34%
1968	16	44%	56%	40,662	86%	14%	3,701	79%	21%	1,046,221	21%	79%	29,450	35%	65%	1,120,050	24%	76%
1969	27	37%	63%	98,722	54%	46%	7,240	7%	93%	3,768,917	8%	92%	45,134	15%	85%	3,920,040	10%	90%
1970	8	50%	50%	81,528	76%	24%	4,540	73%	27%	949,488	27%	73%	93,306	15%	85%	1,128,870	30%	70%
1971	33	30%	70%	124,480	55%	45%	2,261	66%	34%	1,066,180	10%	90%	191,437	7%	93%	1,384,391	14%	86%
1972	15	40%	60%	22,127	70%	30%	1,270	51%	49%	187,154	17%	83%	93,236	6%	94%	303,802	18%	82%
1973	4	50%	50%	10,338	62%	38%	125	70%	30%	49,932	35%	65%	24,408	19%	81%	84,807	34%	66%
1974	19	16%	84%	66,605	52%	48%	1,284	49%	51%	363,389	9%	91%	22,220	9%	91%	453,517	16%	84%
1975	0	0%	0%	16,515	72%	28%	1,627	3%	97%	235,720	11%	89%	2,855	40%	60%	256,717	15%	85%
1976	18	28%	72%	96,668	71%	29%	3,518	53%	47%	1,804,003	26%	74%	66,183	14%	86%	1,970,390	28%	72%
1977	20	40%	60%	78,805	69%	31%	1,343	57%	43%	961,673	23%	77%	70,978	12%	88%	1,112,819	26%	74%
1978	694	58%	42%	218,165	59%	41%	2,788	52%	48%	4,191,756	12%	88%	72,166	16%	84%	4,485,569	14%	86%
1979	108	24%	76%	317,906	50%	50%	15,007	54%	46%	1,664,249	7%	93%	22,454	32%	68%	2,019,724	14%	86%
1980	34	21%	79%	208,200	83%	17%	12,972	34%	66%	2,033,236	12%	88%	67,471	12%	88%	2,321,913	18%	82%
1981	45	13%	87%	346,073	74%	26%	17,011	55%	45%	2,073,629	13%	87%	61,513	37%	63%	2,498,271	22%	78%
1982	43	30%	70%	476,862	86%	14%	29,378	40%	60%	519,880	27%	73%	101,543	22%	78%	1,127,706	52%	48%
1983	159	12%	88%	460,087	59%	41%	28,953	45%	55%	1,318,526	7%	93%	107,786	21%	79%	1,915,511	21%	79%
1984	290	11%	89%	382,729	67%	33%	25,299	51%	49%	433,806	25%	75%	84,924	24%	76%	927,048	43%	57%
1985	199	21%	79%	703,186	63%	37%	43,914	48%	52%	1,057,912	14%	86%	84,760	33%	67%	1,889,971	34%	66%
1986	134	17%	83%	1,247,976	58%	42%	30,548	44%	56%	728,205	17%	83%	75,643	16%	84%	2,082,506	42%	58%
1987	105	11%	89%	515,410	63%	37%	17,959	53%	47%	916,875	9%	91%	59,723	37%	63%	1,510,072	29%	71%
1988	624	11%	89%	1,123,474	58%	42%	30,001	38%	62%	385,735	35%	65%	93,391	35%	65%	1,633,225	51%	49%

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Year	Chinook <sup>a</sup>			Sockeye <sup>a</sup>			Coho <sup>a</sup>			Pink <sup>a</sup>			Chum <sup>a</sup>			Total <sup>a</sup>		
	Number	GN%	PS%	Number	GN%	PS%	Number	GN%	PS%	Number	GN%	PS%	Number	GN%	PS%	Number	GN%	PS%
1989 <sup>b</sup>	106	100%	0%	1,284,174	100%	0%	1,613	100%	0%	182,217	100%	0%	19,911	100%	0%	1,488,021	100%	0%
1990	807	17%	83%	1,435,461	52%	48%	18,176	65%	35%	144,927	13%	87%	50,304	36%	64%	1,649,675	48%	52%
1991	821	10%	90%	2,062,718	58%	42%	24,601	52%	48%	2,373,516	5%	95%	83,003	24%	76%	4,544,659	30%	70%
1992	1,056	9%	91%	525,158	53%	47%	24,548	55%	45%	59,268	28%	72%	34,580	43%	57%	644,610	50%	50%
1993	1,828	10%	90%	998,751	53%	47%	19,271	40%	60%	3,465,473	6%	94%	53,636	27%	73%	4,538,959	17%	83%
1994	1,946	8%	92%	931,328	54%	46%	32,312	44%	56%	1,120,832	9%	91%	112,191	18%	82%	2,198,609	29%	71%
1995	848	15%	85%	1,674,169	47%	53%	19,000	47%	53%	7,065,939	6%	94%	105,224	17%	83%	8,865,180	14%	86%
1996	569	18%	82%	1,458,215	54%	46%	35,529	47%	53%	553,424	39%	61%	65,250	29%	71%	2,112,987	49%	51%
1997	291	31%	69%	685,635	59%	41%	33,549	41%	59%	955,253	15%	85%	85,710	34%	66%	1,760,438	33%	67%
1998	1,487	6%	94%	1,003,245	57%	43%	32,185	47%	53%	1,704,581	26%	74%	40,554	40%	60%	2,782,052	37%	63%
1999	271	12%	88%	633,579	70%	30%	13,126	74%	26%	1,353,933	12%	88%	79,000	16%	84%	2,079,909	30%	70%
2000	433	10%	90%	558,674	57%	43%	10,131	51%	49%	243,161	30%	70%	67,189	17%	83%	879,588	47%	53%
2001	651	11%	89%	461,785	64%	36%	2,471	24%	76%	1,439,930	7%	93%	52,521	21%	79%	1,957,358	26%	74%
2002	13	0%	100%	14,575	0%	100%	1,060	0%	100%	1,078,120	0%	100%	10,164	0%	100%	1,103,932	0%	100%
2003	298	3%	97%	341,402	67%	33%	10,592	45%	55%	497,822	18%	82%	31,866	22%	78%	881,980	38%	62%
2004	1,316	4%	96%	1,156,539	61%	39%	15,897	54%	46%	1,420,188	24%	76%	38,348	40%	60%	2,632,288	41%	59%
2005	602	8%	92%	777,905	60%	40%	6,977	56%	44%	4,193,022	4%	96%	22,839	40%	60%	5,001,027	87%	13%
2006	55	7%	93%	86,286	76%	24%	4,449	63%	37%	2,872,970	5%	95%	46,904	5%	95%	3,010,664	7%	93%
2007	23	26%	74%	85,469	80%	20%	2,456	62%	38%	474,016	15%	85%	47,931	9%	91%	609,895	24%	76%
2008	265	3%	97%	743,052	63%	37%	15,390	17%	83%	712,242	22%	88%	78,694	7%	93%	1,549,643	41%	59%
2009	204	4%	96%	631,312	64%	36%	7,883	40%	60%	3,996,164	3%	97%	72,497	10%	90%	4,708,060	11%	89%
2010	158	3%	97%	115,938	79%	21%	14,547	25%	75%	146,363	44%	56%	18,836	20%	80%	295,842	55%	45%
2011	2,633	1%	99%	318,208	56%	44%	6,094	21%	79%	4,896,501	1%	99%	44,699	17%	83%	5,268,135	5%	95%
2012	219	3%	97%	359,047	54%	46%	2,907	32%	68%	1,559,132	10%	90%	26,724	12%	88%	1,948,029	18%	82%
2013	644	1%	99%	222,154	61%	39%	4,035	41%	59%	2,648,475	1%	99%	34,048	8%	92%	2,909,356	6%	94%
Averages <sup>b</sup> :																		
1954–2012	338	18%	80%	422,870	66%	34%	11,169	47%	53%	1,412,130	19%	81%	60,657	21%	79%	1,907,160	30%	70%
2003–2012	577	6%	94%	461,516	66%	34%	8,719	42%	58%	2,076,842	15%	86%	42,934	18%	82%	2,590,556	33%	67%

Note: GN=gillnet; PS=purse seine

<sup>a</sup> ADF&G test fish harvest is not included.

<sup>b</sup> The harvest during 1989 is not included in averages because of fishery restrictions and unusual fishing patterns due to the M/V Exxon Valdez oil spill.

## **APPENDIX E. WESTSIDE FISHERY SUMMARY**

## INTRODUCTION

### Westside Kodiak Harvest Strategy

*The Westside Kodiak Salmon Management Plan* is the result of long-term management strategies which were initially implemented in 1971 and placed into regulation in 1990. Placing the management plan in regulation clarified the management strategy and helped maintain the biological integrity of local salmon stocks while alleviating allocative concerns of local fishermen (Prokopowich et al. 1991).

The intent of this management plan is to harvest salmon bound to local systems in traditional fisheries. Due to the mixing of various local salmon stocks during inshore migration, the plan is complex, but provides a predictable framework for the harvest of major sockeye, pink, chum, and coho salmon stocks from the west side of Kodiak. The plan is in effect for the entire salmon season and covers the Southwest and Northwest Kodiak districts, as well as the Southwest Afognak Section (Appendix E2). The management plan guides the prosecution of early- and late-run sockeye salmon fisheries, including those targeting the major systems of Karluk, Ayakulik, and other minor sockeye salmon systems, as well as local pink, chum, and coho salmon fisheries.

#### **The Northwest Kodiak District and Southwest Afognak Section**

The Northwest Kodiak District and the Southwest Afognak Section can be broken up into two distinct areas, the outer cape areas and the inner bays. The Central, North Cape, and Southwest Afognak sections consist of the outer capes between Rocky Point in the west, Cape Paramanof in the north, and Monashka Bay in the east. The inner bays consist of the eight bays in the Northwest Kodiak District. From east to west they are the Anton Larsen, Sharatin, Kizhuyak, Terror, Inner Uganik, Spiridon, Zachar, and Inner Uyak bays (Appendix E2).

#### **The Central, North Cape, and Southwest Afognak Sections**

The Central Section is open to seine and set gillnet gear types. The Southwest Afognak and North Cape sections are only open to seine gear. In June these areas are open and closed based on Karluk Lake early-run sockeye salmon escapement. From June 1 through June 15 the ADF&G is directed to open two mandatory 33-hour fishing periods to gauge the run strength of sockeye salmon returning to Karluk, Ayakulik, and Olga Bay systems. The Southwest Afognak Section may only open for one 33-hour fishing period from June 1 through June 15. From June 15 through July 5 openings are based on the early-run sockeye salmon returning to Karluk Lake.

The pink salmon fishery opens on July 6 and the length of the initial weekly fishing periods are based on the current year's (wild stock) pink salmon forecast. During the peak pink salmon harvest period, from late July to mid-August, fishing periods are adjusted to match the actual strength of the pink salmon run. However, the Southwest Afognak Section is also tied to the allocative considerations of the *North Shelikof Strait Sockeye Salmon Management Plan* between July 6 and July 25 and has a harvest cap of 50,000 sockeye salmon.

During the August overlap period from approximately August 16 through August 24, the Central, North Cape, and Southwest Afognak sections are opened and closed based on both Karluk Lake late-run sockeye and pink salmon returning to the major systems of the Northwest Kodiak District and Southwest Afognak Section. By this time the majority of the pink salmon have been harvested and Karluk Lake late-run sockeye salmon escapement has begun to increase. From August 25 through September 5 these areas are managed based on late-run sockeye salmon returning to Karluk. After September 5, the fishery is managed both on late-run sockeye salmon returning to Karluk and coho salmon returning to the major systems of the Northwest Kodiak District and Southwest Afognak Section. This blended management has allowed for the protection of both Northwest Kodiak District and Southwest Afognak Section salmon, as well as Karluk Lake sockeye salmon.

### **Northwest Kodiak District Inner Bays**

The inner bays of the Northwest Kodiak District are open to seine gear only. From June 1 through June 15, the Alaska Department of Fish and Game (ADF&G) is directed to open two mandatory 33-hour fishing periods at the same time as those in the Central and North Cape sections. From June 16 through July 5, fishing periods are based on local sockeye and early-run chum salmon returning to each individual section.

From July 6 through July 31, the inner bays are opened to commercial salmon fishing based on local sockeye, pink, and early-run chum salmon returning to each section. The lengths of the initial weekly fishing periods are based on the current year's (wild stock) pink salmon forecast. However, the inner bays may be closed due to weak early-run chum or sockeye salmon escapement. Fishing periods from August 1 through August 24, are based on pink and late-run chum salmon returning to each individual section. From August 25 through September 5, fishery fishing period are based on local pink, late-run chum, and coho salmon returning to each individual section. After September 5, fishing period are based only on coho salmon abundance.

### **The Southwest Kodiak District**

The Southwest Kodiak District is a seine gear only area and extends from Low Cape in the south to Rocky Point in the north. The Southwest Kodiak District can be broken down into three different areas. In the north there are the Inner and Outer Karluk sections, in the south the Inner and Outer Ayakulik sections and in the middle there are the Halibut Bay and Sturgeon sections. The Inner and Outer Karluk sections are managed on salmon returning to the Karluk system. The Inner and Outer Ayakulik sections are managed on salmon returning to the Ayakulik system. The Halibut Bay and Sturgeon sections are managed based on mixture of Olga Bay, Ayakulik, Karluk, and local salmon stocks. Both the Karluk and Ayakulik systems have defined even-year dominant pink salmon runs (Donnelly 1983; Eggers and Peltz 1991). This dramatic difference between the two runs has produced very different management practices throughout the Southwest Kodiak District between even and odd years in July.

### **Inner and Outer Karluk Sections**

From June 1 through July 15, the Inner and Outer Karluk sections are opened based on early-run sockeye salmon returning to Karluk Lake. However, the Inner Karluk Section cannot be opened during this timeframe unless the ADF&G determines that the early-run Karluk sockeye

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salmon escapement goal will be exceeded. The inability to open the Inner Karluk Section until the early-run escapement goal has been exceeded, led to continued overescapement of Karluk Lake sockeye salmon from 1999 through 2005. This produced a highly competitive rearing environment, taxing the forage base of Karluk Lake and affecting the growth of Karluk Lake sockeye salmon. This overescapement led to the poor Karluk Lake sockeye salmon runs in 2008 through 2011.<sup>1</sup>

In odd years, from July 16 through August 24, Inner and Outer Karluk sections' commercial salmon fishing periods are based on late-run sockeye salmon. In even years, openings are based on both late-run sockeye salmon and pink salmon returns. Fishing periods from August 25 through September 5 are based on late-run Karluk Lake sockeye salmon abundance. After September 5, fishing periods are based on both late-run sockeye and coho salmon returning to the Karluk system.

### **Inner and Outer Ayakulik Sections**

From June 1 through July 15, the Inner and Outer Ayakulik sections are opened based on early-run sockeye salmon returning to Red Lake (Ayakulik River). In odd years, from July 16 through August 24, fishing periods are based on late-run sockeye salmon. In even years during this time frame, Inner and Outer Ayakulik sections are opened based on late-run sockeye salmon and pink salmon returns. The Ayakulik River has one of the largest documented coho salmon runs in the Kodiak Management Area (KMA). After approximately August 24, fishing periods are based on coho salmon returning to the Ayakulik system.

### **Sturgeon and Halibut Bay Sections**

The Sturgeon and Halibut Bay sections are closed from June 1 through June 22, due to the mixing of Karluk, Ayakulik, and Olga Bay sockeye salmon stocks. From June 23 through July 15 fishing periods are based on early-run sockeye salmon returning to Ayakulik and Karluk systems. However, the Sturgeon River has one of the largest documented chum salmon runs in the KMA and this early-run chum salmon system must also be taken into consideration when opening the Sturgeon Section during this time frame. From July 16 through August 24, in either even or odd years, both areas are opened based on either Ayakulik or Karluk late-run sockeye salmon or pink salmon. After August 25, both areas are opened based on either Karluk or Ayakulik late-run sockeye salmon and local coho salmon stocks.

### **2013 Westside Kodiak Fisheries**

The ADF&G's preseason salmon forecasts predicted a surplus (in excess of escapement needs) of early-run sockeye salmon returning to Karluk Lake (158,000 fish), Frazer Lake (49,000 fish), Ayakulik River (302,000 fish), and early-run Upper Station (25,000 fish; Eggers et al. 2013).

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<sup>1</sup> On January 4, 2012, an investigation for the reasons for low runs of sockeye salmon to Karluk Lake by an inter-agency Memorandum of Understanding between Regional Finfish Research Biologists and Regional Supervisor with the Alaska Department of Fish and Game, Region IV, Division of Commercial Fisheries, *Reduced Sockeye, Salmon Runs at Karluk Lake (III)*.

The Karluk early-run sockeye salmon BEG is 110,000 to 250,000 fish. The 2013 targeted sockeye salmon escapement for Karluk Lake early-run was 175,000 fish. The Ayakulik early-run sockeye salmon sustainable escapement goal is 140,000 to 280,000 fish. The 2013 targeted sockeye salmon escapement for the Ayakulik early run was 210,000 fish.

The Karluk late-run sockeye salmon BEG is 170,000 to 380,000 fish. The 2013 targeted sockeye salmon escapement of 270,000 fish for Karluk Lake late-run was based on a maximum sustained yield calculation (Nemeth et al. 2010). The Ayakulik late-run sockeye salmon sustainable escapement goal is 60,000 to 120,000 fish. The 2013 targeted sockeye salmon escapement of 90,000 fish for Ayakulik late-run was based on a maximum sustained yield calculation (Nemeth et al. 2010).

### **Westside Fisheries**

The Karluk River weir was fish tight on May 24 (Fuerst *In prep*). Early sockeye salmon escapement was strong and aerial surveys indicated a substantial buildup in Karluk Lagoon. The first commercial fishing period in the Central, North Cape, and Outer Karluk Sections began on June 7 and was 81 hours in duration. The resulting harvest indicated a stronger than expected run of sockeye salmon traveling along the west side of Kodiak Island and the Outer Karluk, Central, and North Cape sections were extended for an additional 120 hours.

Karluk Chinook salmon escapement was weak and the department did not project meeting the minimum Karluk Chinook escapement goal. Due to this, the department announced non-retention restrictions for Chinook salmon on the west side of Kodiak Island.

On June 11, sockeye salmon escapement past Karluk River weir was on track to greatly exceed the upper end of the early-run escapement goal (Fuerst *In prep*). The department opened the Inner Karluk Section for 33 hours and closed waters were reduced. Due to above average catch and escapement, the Southwest Afognak, Central, North Cape, and Inner and Outer Karluk sections were all eventually extended until further notice.

The 2013 Karluk Lake early-run sockeye salmon escapement of 232,936 fish (Table 3; Fuerst *In prep*) was within the desired range of 110,000 to 250,000 fish (Nemeth et al. 2010). From June 1 through July 15, approximately 736,398 sockeye salmon were harvested in the Westside fishery (not including Ayakulik River and Spiridon Lake harvest; Table 9). Of this harvest, approximately 210,003 fish were estimated to be of Karluk Lake origin (Moore *In prep*).

On July 6, the Southwest Afognak Section of the Afognak District, the Central, North Cape sections and the majority of the inner bays of the Northwest Kodiak District opened for 57 hours based on the pre-season wild stock pink salmon harvest estimate of 6.8 million fish. The inner bay section of Kizhuyak was kept closed due to weak early-run chum salmon escapement. The pink salmon harvest on the west side of Kodiak Island for the first fishing period was below average.

On July 13, the Southwest Afognak Section of the Afognak District, the Central, North Cape sections and the majority of the inner bays of the Northwest Kodiak District reopened for 81 hours. The inner bay section of Kizhuyak was again kept closed due to weak early-run chum salmon escapement. The pink salmon harvest on the west side of Kodiak Island for the second opening was average.

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On July 20, the Southwest Afognak Section of the Afognak District, and the Northwest Kodiak District reopened for 81 hours. Pink salmon harvests for the third opening was below average.

On July 27, the Southwest Afognak, Central, North Cape sections and the majority of the inner bays of the Northwest Kodiak District reopened for 81 hours. Aerial surveys indicated that pink salmon escapement in the inner bays of Terror Bay and Uyak Bay sections were weak and these sections remained closed. Pink salmon harvest on the west side of Kodiak Island for the fourth opening was well below average. However, aerial surveys indicated strong pink salmon escapement to several major Westside systems and the fishery was extended for an additional 24 hours.

On August 3, the Southwest Afognak, Central, North Cape sections and the majority of the inner bays of the Northwest Kodiak District reopened for 105 hours. The inner bays of Terror and Inner Uganik Bay sections remained closed. Pink salmon harvests on the Westside of Kodiak for the fifth opening was well below average.

Aerial surveys indicated a significant buildup of pink salmon in most of the inner bays of the Northwest Kodiak District and with the exception of the Terror Bay and Inner Uganik Bay sections the Southwest Afognak Section and Northwest Kodiak District were eventually extended until further notice.

On August 7, the cumulative late-run sockeye salmon escapement through Karluk River weir was 43,197 fish (Fuerst *In prep*), with a significant buildup of sockeye salmon in the lagoon. With strong Karluk late-run sockeye salmon escapement the department announced an 81-hour fishery in the Halibut Bay, Sturgeon, and Outer Karluk sections of the Southwest Kodiak District. This fishing period was later extended for an additional 141 hours.

On August 18, 52,636 sockeye salmon passed the Karluk River weir bringing the total Karluk late-run sockeye salmon escapement to 97,253 fish. An aerial survey the same day indicated a large buildup of sockeye salmon in Karluk lagoon and the department announced a 102-hour fishing period in the Halibut Bay, Sturgeon, and Outer Karluk sections. This fishing period was later extended until further notice.

On August 30, 60,749 sockeye salmon passed the Karluk River weir bringing the total Karluk late-run sockeye salmon escapement to 195,489 fish. With above average sockeye salmon harvest and escapement, the Inner Karluk Section was also opened until further notice.

The Karluk late-run sockeye salmon escapement of 338,423 fish was within the desired escapement goal range of 170,000 to 380,000 fish (Table 3; Nemeth et al. 2010) and the Westside fishery sockeye salmon harvest (not including Ayakulik River and Spiridon Lake harvest; Table 9) post July 15 was 524,962 fish. Of this harvest, approximately 416,935 fish were estimated to be of Karluk Lake origin (Moore *In prep*).

The 2013 Ayakulik sockeye salmon escapement lagged early in the season. On June 16, sockeye salmon escapement through the Ayakulik River weir was 87,357 fish with a significant buildup out front. In response, the department announced a 57-hour fishing period in the Outer Ayakulik Section. During this opening, retention of Chinook salmon over 28 inches was not allowed in order to conserve fish needed for escapement in both Karluk and Ayakulik systems.

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Sockeye salmon harvest was weak and the fishery shut down. On June 25, a large push of sockeye salmon passed the Ayakulik River weir, bringing the cumulative escapement to 159,578 fish. The department announced another 57-hour fishing period in the Outer Ayakulik and Halibut Bay sections. Catches were poor but with good escapement the department further extended the current fishing period for an additional 72 hours and announced a short Inner Ayakulik fishing period.

On July 11, another large push of sockeye salmon passed the Ayakulik River weir bringing the cumulative escapement to 208,723 fish. The department announced an 81-hour commercial salmon fishing period in the Outer Ayakulik and Halibut Bay sections and a 9-hour Inner Ayakulik commercial salmon fishing period. Sockeye salmon harvest was weak and the fishery again shut down.

Through July 15, the cumulative Ayakulik River early-run sockeye salmon escapement of 214,969 fish (Fuerst *In prep*) was within the escapement goal range of 140,000 to 280,000 fish, but above the targeted goal of 210,000 fish (Nemeth et al. 2010).

After a short closure, another pulse of sockeye salmon passed the weir and the department announced a 57-hour commercial salmon fishing period on July 20. Although harvest was below average, with ample escapement the department continually extended this fishing period until August 11.

The Ayakulik weir was operated through September 2. Despite almost continuous fishing allowed in the Outer Ayakulik Section after August 24, there was no harvest. The weir estimated a strong cumulative coho salmon escapement of 20,594 fish. The total late-run sockeye salmon escapement of 67,195 fish was within the desired escapement goal range of 60,000 to 120,000 salmon (Nemeth et al. 2010). However, this is likely a conservative estimate as the Ayakulik River weir was blown out for several days, due to high waters, and no fish were counted.

Sockeye salmon harvest in the Ayakulik area was 98,068 fish (Table 9). However, approximately 147,877 fish of Ayakulik Lake origin were estimated to be caught in the Westside fisheries (Moore *In prep*).

The total commercial harvest from Westside Kodiak management units (Southwest Afognak to Ayakulik<sup>2</sup>) was 6,939,645 salmon, including 12,663 Chinook; 1,481,815 sockeye; 106,901 coho; 5,097,402 pink; and 240,864 chum salmon in 5,075 landings (Appendix E3). There were 147 seine permit holders that made 1,802 landings for 8,630 Chinook; 887,720 sockeye; 73,838 coho; 4,239,569 pink; and 162,210 chum salmon (Appendix E4). There were 95 set gillnet permit holders that made 3,303 landings for 4,033 Chinook; 594,095 sockeye; 33,063 coho; 857,833 pink; and 78,654 chum salmon (Appendix E4). Commercial salmon harvests, by gear type, for individual Westside management units can be found in Appendices E5 and E6.

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<sup>2</sup> Westside Kodiak salmon harvest totals in Appendix E do not include salmon taken in the Spiridon Bay Special Harvest Area (SBSHA). Sockeye salmon from an enhancement project return to this area. SBSHA is managed under a separate plan; see Appendix H for a description of the SBSHA fishery. These tables do include sockeye salmon destined for Spiridon Bay that were caught outside the SBSHA in the Westside fishery. These totals also do not include salmon taken in Settler Cove (259-35). Commercial fisheries in Settler Cove are managed under a separate plan.

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Appendix E3.—Commercial salmon harvest, by species, for Westside management units in the Kodiak Management Area, 1975–2013.

Year	Permits	Landings	Number of Salmon					Total
			Chinook	Sockeye	Coho	Pink	Chum	
1978	385	6,001	1,352	491,503	20,216	6,245,588	134,794	6,893,453
1979	399	5,121	611	185,363	47,043	3,860,734	59,469	4,153,220
1980	413	6,913	397	412,418	44,674	11,347,713	133,117	11,938,319
1981	374	4,810	911	415,405	36,672	3,188,599	247,097	3,888,684
1982	408	6,077	858	427,454	128,718	5,538,196	450,819	6,546,045
1983	398	5,141	2,353	297,330	49,418	1,730,453	374,319	2,453,873
1984	390	8,065	3,634	925,236	104,347	9,291,637	166,069	10,490,923
1985	365	6,097	4,306	920,143	97,516	1,981,000	226,819	3,229,784
1986	392	12,070	3,728	1,632,227	102,304	9,472,330	584,538	11,795,127
1987	380	6,360	2,268	754,943	85,055	1,643,187	261,601	2,747,054
1988	416	11,700	11,848	998,895	141,115	8,574,478	609,946	10,336,282
1989 <sup>a</sup>	5	10	0	3,489	986	1,005	53	5,533
1990	455	12,604	12,090	3,383,351	176,475	3,674,278	218,883	7,465,077
1991	434	11,957	11,780	2,842,802	179,852	5,588,982	346,193	8,969,609
1992	429	11,121	17,238	2,306,791	128,737	1,538,305	302,779	4,293,850
1993	406	12,106	21,019	2,426,540	124,497	10,344,080	300,571	13,216,707
1994	350	8,024	16,930	1,236,314	135,365	3,873,574	329,281	5,591,464
1995	369	13,104	13,819	2,071,281	147,204	21,025,711	722,649	23,980,664
1996	328	7,808	10,437	2,536,733	71,984	1,780,755	365,034	4,764,943
1997	334	7,752	11,152	1,412,061	108,459	6,520,085	214,730	8,266,487
1998	290	9,623	13,886	2,220,631	163,102	12,335,360	176,636	14,909,615
1999	317	8,497	12,795	2,734,413	104,836	4,114,567	267,471	7,234,082
2000	306	7,555	9,382	1,600,262	111,908	5,343,309	379,444	7,444,305
2001	265	6,815	18,317	1,617,700	143,681	3,687,193	381,098	5,847,989
2002	228	5,369	14,921	1,179,697	166,377	9,445,914	250,153	11,057,062
2003	227	7,511	13,775	2,975,163	156,308	5,406,727	329,543	8,881,516
2004	225	8,919	23,744	2,413,242	259,500	14,756,880	604,428	18,057,794
2005	204	6,671	11,034	1,457,611	183,158	6,178,927	243,153	8,073,883
2006	211	8,277	16,139	1,200,357	251,605	20,205,610	402,314	22,076,025
2007	219	6,868	13,384	1,512,091	167,437	8,720,592	219,689	10,633,193
2008	199	3,387	13,124	634,056	92,170	3,732,346	223,658	4,695,354
2009	197	3,505	1,621	577,894	57,364	4,936,957	353,915	5,927,751
2010	235	2,982	6,062	640,339	75,331	3,837,746	227,172	4,786,650
2011	222	2,438	4,676	507,603	58,970	955,492	134,701	1,661,442
2012	251	2,781	5,858	1,024,295	127,529	9,555,127	334,344	11,047,153
2013	242	5,075	12,663	1,481,815	106,901	5,097,402	240,864	6,939,645
Average <sup>a</sup>								
2003–2012	219	5,334	10,942	1,294,265	142,937	7,828,640	307,292	9,584,076
1978–2012	324	7,471	9,572	1,410,945	119,086	6,777,424	311,071	8,628,099

Note: Westside Kodiak Management Plan units include the Southwest Afognak Section, the Northwest Kodiak District (except the Spiridon Bay Special Harvest Area and Settler Cove), and the Southwest Kodiak District. Harvest numbers do not include test fish harvests or commercial harvest retained for personal use.

<sup>a</sup> Commercial salmon fisheries were severely restricted in 1989 due to the presence of oil from the M/V Exxon Valdez spill. Averages do not include 1989.

Appendix E4.—Commercial salmon harvest, by gear type and species, for Westside management units, 2013.

Gear	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		Total	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Seine	147	1,802	8,630	59,880	887,720	5,047,178	73,838	581,794	4,239,569	13,332,968	162,210	1,305,123	5,371,967	20,326,943
Average weight				6.94		5.69		7.88		3.14		8.05		
Set Gillnet	95	3,303	4,033	30,708	594,095	3,367,118	33,063	257,283	857,833	3,187,778	78,654	604,336	1,567,678	7,447,223
Average weight				7.61		5.67		7.78		3.72		7.68		
Grand total	242	5,105	12,663	90,588	1,481,815	8,414,296	106,901	839,077	5,097,402	16,520,746	240,864	1,909,459	6,939,645	27,774,166
Average weight				7.15		5.68		7.85		3.24		7.93		

*Note:* Westside Kodiak Management Plan units include the Southwest Afognak Section, the Northwest Kodiak District (except for the Spiridon Bay Special Harvest Area and Settler Cove), and the Southwest Kodiak District. Harvest numbers do not include test fish harvests or commercial harvest retained for personal use.

Appendix E5.—Seine daily salmon harvest, by species for the Westside Management Plan units, 2013.

Management Unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Southwest Afognak Section	14-Jun	4	4	162	753	4,752	21,872	0	0	31	64	253	2,156
	15-Jun <sup>a</sup>												
	18-Jun	3	3	74	418	3,111	17,350	0	0	47	126	251	2,002
	19-Jun <sup>a</sup>												
	20-Jun <sup>a</sup>												
	24-Jun <sup>a</sup>												
	25-Jun <sup>a</sup>												
	26-Jun	3	3	19	134	2,482	13,944	1	6	534	1,481	476	4,803
	27-Jun	7	7	9	129	2,062	11,560	0	0	604	1,621	369	3,203
	28-Jun	8	8	46	357	2,650	15,179	1	7	1,093	3,087	644	5,359
	29-Jun	5	5	33	288	2,868	17,594	0	0	1,740	4,802	545	4,973
	30-Jun	5	5	8	54	3,983	26,075	0	0	1,225	2,954	402	3,996
	1-Jul	5	5	1	4	3,767	20,571	2	10	2,197	5,003	484	4,314
	2-Jul	5	5	18	186	4,172	21,706	2	12	2,164	5,582	700	5,634
	3-Jul	11	11	122	689	10,392	60,339	16	126	7,435	16,085	2,181	20,014
	4-Jul	6	6	14	106	4,253	27,752	1	9	2,611	6,633	1,439	11,596
	5-Jul	12	12	34	314	7,290	43,562	19	158	5,880	17,754	2,396	21,537
	6-Jul <sup>a</sup>												
	7-Jul	3	3	20	112	2,737	15,038	15	80	2,254	6,582	1,414	10,455
	8-Jul	5	5	108	647	2,388	12,596	0	0	2,271	6,988	1,233	8,434
	13-Jul	5	5	14	130	681	3,415	35	202	2,910	8,693	239	1,768
	15-Jul	4	4	62	454	1,969	11,809	73	433	12,421	36,905	912	7,264
	16-Jul <sup>a</sup>												
	20-Jul	4	5	14	138	3,089	17,694	149	968	26,822	83,505	1,042	8,367
	21-Jul <sup>a</sup>												
	22-Jul	5	5	81	363	3,678	19,489	311	1,888	25,155	82,681	961	8,019
	23-Jul	3	4	8	119	876	5,167	72	416	7,743	25,292	186	1,255
	27-Jul	6	7	46	446	2,535	14,453	282	1,994	55,231	175,798	1,315	11,419
	28-Jul <sup>a</sup>												
	29-Jul	6	6	9	84	2,003	11,421	238	1,685	36,346	109,768	520	4,294
	30-Jul	4	4	2	21	1,261	6,348	64	543	14,393	44,400	138	1,127
31-Jul	3	3	3	23	435	2,408	61	404	7,295	24,142	59	461	
3-Aug <sup>a</sup>													

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Management Unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Southwest Afognak Section (cont.)	4-Aug <sup>a</sup>												
	6-Aug <sup>a</sup>												
	7-Aug <sup>a</sup>												
	8-Aug	5	5	6	50	307	1,916	255	2,222	60,538	185,481	312	2,316
	9-Aug	3	3	9	56	544	3,766	194	1,413	59,538	186,795	424	3,072
	11-Aug <sup>a</sup>												
	12-Aug <sup>a</sup>												
	13-Aug	3	4	1	6	341	1,882	451	2,872	45,140	137,222	322	2,370
	14-Aug	3	3	0	0	443	3,048	294	2,143	36,168	108,503	146	1,135
	15-Aug	4	6	0	0	433	2,712	410	2,531	64,366	197,774	187	1,333
	16-Aug	4	4	0	0	428	2,708	493	2,808	27,657	85,317	97	694
	17-Aug	4	4	1	10	498	3,131	1,050	5,484	46,168	142,147	273	2,015
	18-Aug <sup>a</sup>												
	19-Aug <sup>a</sup>												
	20-Aug	3	3	0	0	1,060	5,849	1,018	7,933	19,352	58,978	68	513
	21-Aug <sup>a</sup>												
	22-Aug <sup>a</sup>												
	23-Aug <sup>a</sup>												
	25-Aug	3	3	0	0	513	2,583	249	2,511	8,670	29,743	54	253
	26-Aug	4	4	0	0	1,061	5,319	745	7,386	9,195	30,099	112	606
27-Aug <sup>a</sup>													
28-Aug <sup>a</sup>													
31-Aug <sup>a</sup>													
2-Sep <sup>a</sup>													
3-Sep <sup>a</sup>													
4-Sep <sup>a</sup>													
Total		51	209	1,090	7,244	95,441	542,371	11,501	90,828	760,811	2,350,349	23,030	190,990
Average weight					6.6		5.7		7.9		3.1		8.3
Northwest Kodiak District <sup>b</sup>	7-Jun	3	3	9	118	2,484	14,973	0	0	0	0	63	418
	8-Jun	7	7	56	504	3,702	20,309	0	0	5	14	256	2,073
	9-Jun	7	7	28	190	3,641	21,120	0	0	37	275	209	1,773
	10-Jun	13	13	63	449	6,758	35,911	0	0	6	17	418	3,253

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Management Unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Northwest Kodiak District <sup>b</sup> (cont.)	11-Jun	7	7	168	811	4,418	22,162	0	0	27	95	158	1,226
	12-Jun	11	11	155	834	8,209	43,905	0	0	15	48	461	3,985
	13-Jun	17	19	183	1,202	10,485	55,676	2	16	13	41	410	3,049
	14-Jun	13	13	251	1,517	8,595	45,961	0	0	48	116	706	5,730
	15-Jun	24	24	253	1,489	10,078	63,101	1	5	93	266	779	6,625
	16-Jun	4	4	17	86	1,494	7,306	0	0	7	15	20	160
	17-Jun	3	3	86	605	5,857	29,347	0	0	20	81	99	729
	18-Jun	4	4	35	206	1,093	5,915	0	0	18	38	63	414
	19-Jun	6	6	20	156	3,688	18,890	0	0	146	389	513	3,699
	20-Jun	13	14	54	378	5,005	25,955	0	0	59	208	641	4,563
	21-Jun	6	6	0	0	690	3,857	0	0	34	96	266	1,923
	22-Jun	3	3	8	36	633	3,124	0	0	53	155	165	1,312
	23-Jun	7	7	4	33	2,045	10,727	0	0	327	1,046	1,329	10,231
	24-Jun	8	8	63	428	3,229	16,048	0	0	234	962	932	6,271
	25-Jun	8	8	25	209	2,252	10,969	1	6	444	1,211	1,284	9,079
	26-Jun	10	10	55	392	3,343	15,560	1	5	650	1,967	1,106	8,753
	27-Jun	5	5	31	213	2,587	14,632	0	0	384	1,256	243	2,176
	28-Jun	21	21	98	842	7,878	41,823	1	7	2,527	9,371	1,758	14,200
	29-Jun	4	4	19	168	403	2,426	1	7	295	900	1,211	8,845
	30-Jun	12	12	21	181	2,610	15,054	10	45	1,591	4,324	2,761	25,724
	1-Jul	17	17	170	1,288	5,965	30,446	0	0	1,804	5,078	2,410	21,617
	2-Jul	22	22	241	1,703	8,042	42,724	34	187	8,015	24,251	4,644	34,792
	3-Jul	20	22	83	559	8,586	47,595	20	89	9,500	25,037	9,047	74,575
	4-Jul	12	14	225	1,708	11,444	62,507	39	242	11,883	35,217	3,191	26,532
	5-Jul	22	22	171	1,334	17,342	98,573	77	445	13,412	39,665	4,966	40,500
	6-Jul	19	20	243	1,663	11,624	66,268	34	228	10,382	29,612	9,234	82,196
	7-Jul	30	32	220	1,474	19,732	118,733	96	607	17,215	47,501	7,704	66,287
	8-Jul	17	17	35	275	3,074	17,156	21	106	6,420	17,872	6,189	56,499
	13-Jul	25	25	98	741	9,299	54,578	101	632	21,154	61,592	4,633	37,380
	14-Jul	23	24	65	550	5,715	32,292	72	433	28,969	90,109	8,808	65,980
	15-Jul	23	23	299	1,696	9,415	55,159	405	2,480	61,037	180,019	6,871	53,004
	16-Jul	29	30	92	836	7,081	40,176	383	2,342	45,250	137,292	5,348	45,206
	20-Jul	19	19	50	385	8,373	45,110	202	1,364	64,313	202,486	1,606	12,812

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Management Unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Northwest Kodiak District <sup>b</sup> (cont.)	21-Jul	17	17	34	283	4,465	25,149	156	1,016	62,995	208,845	1,686	12,759
	22-Jul	21	21	71	480	4,162	22,649	314	1,993	69,726	210,237	1,545	11,250
	23-Jul	24	24	22	226	2,750	15,820	178	1,140	78,574	234,624	2,176	18,484
	27-Jul	17	17	102	721	2,233	13,289	375	2,603	78,634	274,007	1,959	14,609
	28-Jul	21	22	41	438	5,072	27,818	525	3,667	110,802	342,356	2,232	18,434
	29-Jul	20	20	55	485	4,068	21,886	404	2,977	158,045	483,769	3,233	27,136
	30-Jul	20	22	18	177	2,094	11,659	362	2,449	85,985	276,107	992	7,442
	31-Jul	29	30	41	669	3,405	20,623	612	3,907	148,415	429,459	1,814	14,039
	3-Aug	22	22	78	828	2,148	11,375	1,442	8,816	139,967	447,622	2,087	17,300
	4-Aug	22	22	6	52	4,398	25,790	778	5,180	106,331	343,885	1,204	8,816
	5-Aug	29	29	27	279	5,058	31,091	791	5,957	96,995	309,593	1,150	8,631
	6-Aug	17	18	1	20	346	2,269	367	2,890	67,587	214,309	1,225	9,229
	7-Aug	16	17	5	78	4,116	24,647	927	5,250	71,227	239,750	734	5,205
	8-Aug	14	14	4	42	2,155	13,480	354	2,913	77,591	224,053	1,119	8,233
	9-Aug	10	10	5	71	5,188	32,437	507	3,917	66,832	213,925	577	4,319
	10-Aug	14	14	39	374	3,935	23,238	542	4,242	132,769	420,023	1,056	9,592
	11-Aug	16	16	33	468	3,286	21,293	687	4,956	110,905	339,724	823	5,960
	12-Aug	7	7	5	56	2,697	15,961	418	2,869	33,816	113,355	211	1,496
	13-Aug	5	5	0	0	1,443	8,880	122	939	12,848	44,379	141	1,005
	14-Aug <sup>a</sup>												
	15-Aug <sup>a</sup>												
	16-Aug	8	8	21	142	714	4,501	309	1,652	31,142	107,077	164	1,055
	17-Aug	7	7	37	270	1,011	5,166	969	7,262	54,379	188,056	410	3,050
	18-Aug	4	4	15	76	1,095	6,241	318	2,503	38,328	126,647	317	1,626
	19-Aug	4	4	0	0	1,021	6,511	107	842	12,440	44,780	61	399
	20-Aug	11	11	3	27	2,565	16,304	1,043	6,780	90,560	284,024	410	3,137
	21-Aug	12	13	8	64	3,382	20,640	686	5,872	50,407	163,444	407	2,533
	22-Aug	9	9	2	15	838	5,526	554	4,534	33,229	103,241	80	572
	23-Aug	12	12	1	6	662	4,043	378	2,736	47,103	147,167	299	2,067
	24-Aug	13	14	0	0	1,302	6,975	748	5,911	58,475	182,337	137	967
	25-Aug	8	8	0	0	7,207	38,155	1,470	11,825	27,253	86,783	700	3,754
	26-Aug	5	6	0	0	4,482	26,243	895	8,676	34,371	117,561	109	863
	27-Aug	5	5	4	19	1,744	10,231	790	6,493	14,316	49,952	28	183

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Management Unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Northwest Kodiak District <sup>b</sup> (cont.)	28-Aug	5	5	1	5	1,160	6,738	482	4,189	17,685	55,050	33	161
	29-Aug <sup>a</sup>												
	30-Aug	4	4	0	0	934	5,215	754	6,207	14,444	42,938	25	163
	1-Sep	11	11	1	7	1,934	11,288	2,008	19,517	23,868	76,507	42	260
	2-Sep	5	5	0	0	599	3,506	1,160	10,330	6,523	21,683	10	52
	3-Sep	3	3	0	0	173	953	702	7,040	1,451	4,397	4	15
	4-Sep <sup>a</sup>												
	5-Sep	4	4	1	26	1,216	6,583	378	3,923	2,665	8,133	14	104
	7-Sep <sup>a</sup>												
	8-Sep <sup>a</sup>												
	9-Sep <sup>a</sup>												
	12-Sep <sup>a</sup>												
	13-Sep	3	3	0	0	1,363	5,847	86	949	0	0	0	0
	14-Sep <sup>a</sup>												
	15-Sep <sup>a</sup>												
Total		128	1,004	4,383	31,744	326,411	1,831,941	26,702	206,025	2,599,350	8,177,420	119,836	969,226
Average weight					7.2		5.6		7.7		3.1		8.1
Inner and Outer Karluk Section	7-Jun	8	8	3	22	4,312	21,455	0	0	0	0	85	502
	8-Jun	6	6	10	53	5,224	28,576	0	0	0	0	7	53
	9-Jun	3	3	6	50	3,247	19,374	0	0	0	0	81	669
	10-Jun	4	4	50	503	6,145	31,804	0	0	0	0	139	797
	11-Jun	7	7	40	208	3,512	21,065	0	0	5	18	67	567
	12-Jun	10	10	34	193	7,114	36,145	0	0	2	5	100	772
	13-Jun	10	10	76	404	6,968	34,836	0	0	2	6	111	787
	14-Jun	15	15	240	1,205	7,804	50,033	0	0	12	37	158	1,073
	15-Jun	6	6	83	432	2,561	13,452	0	0	18	55	13	104
	16-Jun	6	6	86	469	4,131	23,097	0	0	13	29	94	692
	17-Jun	3	3	57	445	5,086	25,538	0	0	30	79	84	676
	18-Jun	5	5	81	493	1,657	8,163	0	0	0	0	9	83
	19-Jun	6	6	25	177	1,428	9,369	1	11	8	28	15	128
	20-Jun	4	4	8	44	1,124	5,723	0	0	2	7	6	34
	21-Jun <sup>a</sup>												

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Management Unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Inner and Outer	22-Jun <sup>a</sup>												
Karluk Section	24-Jun	9	9	14	122	2,856	14,905	0	0	150	485	132	1,013
(cont.)	25-Jun	11	11	91	669	5,073	25,183	1	14	1,461	6,009	513	3,774
	26-Jun <sup>a</sup>												
	27-Jun	7	7	60	595	3,322	15,627	0	0	376	1,059	171	1,273
	28-Jun <sup>a</sup>												
	29-Jun	5	5	19	151	3,121	17,418	0	0	615	1,485	480	3,542
	30-Jun <sup>a</sup>												
	1-Jul	3	3	21	126	2,755	15,464	0	0	852	1,880	635	4,457
	3-Jul	5	5	111	723	3,851	21,121	7	48	2,036	4,896	1,330	10,391
	5-Jul	3	3	14	83	902	5,005	0	0	319	921	257	1,808
	6-Jul	3	3	55	311	2,284	10,605	22	124	908	4,116	388	3,114
	7-Jul <sup>a</sup>												
	8-Jul <sup>a</sup>												
	9-Jul <sup>a</sup>												
	10-Jul	3	3	56	450	1,936	10,870	0	0	1,411	4,234	68	544
	11-Jul	10	10	42	215	4,200	22,867	20	115	3,548	10,972	115	983
	12-Jul	8	8	10	63	2,377	16,676	3	18	2,610	7,016	39	388
	14-Jul	5	5	27	188	2,422	18,053	21	155	8,255	24,080	371	3,445
	15-Jul	3	3	75	492	1,406	9,272	7	44	2,688	7,902	177	1,525
	16-Jul <sup>a</sup>												
	8-Aug <sup>a</sup>												
	9-Aug	5	5	2	40	6,240	41,404	281	1,845	25,330	92,680	201	1,403
	10-Aug	6	6	1	17	8,036	51,273	4,894	18,354	20,983	76,814	142	997
	11-Aug	6	6	3	33	7,511	47,623	291	2,024	12,261	43,107	179	1,262
	12-Aug	5	5	6	35	5,159	32,477	179	1,622	9,077	36,771	102	841
	13-Aug <sup>a</sup>												
	14-Aug	3	3	0	0	9,913	62,454	205	1,370	8,628	30,197	95	619
	15-Aug <sup>a</sup>												
	16-Aug	5	6	2	35	12,580	78,697	452	3,369	16,226	59,248	260	1,830
	17-Aug <sup>a</sup>												
	20-Aug	7	7	0	0	4,852	27,832	321	2,628	9,270	29,807	68	575
	21-Aug	4	4	0	0	3,437	19,037	257	2,245	7,172	23,418	42	276

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Management Unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Inner and Outer	22-Aug	4	4	8	72	4,565	26,887	1,072	7,731	9,338	34,070	157	1,041
Karluk Section	23-Aug	3	3	7	71	1,565	10,173	361	2,564	4,290	15,872	37	256
(cont.)	24-Aug	3	3	0	0	3,769	20,851	333	2,981	5,186	18,630	57	471
	25-Aug	5	5	0	0	4,533	27,960	756	6,565	5,628	19,727	54	474
	26-Aug	10	11	0	0	14,709	86,519	1,464	12,349	13,098	43,339	100	786
	27-Aug	7	7	1	9	4,783	28,566	698	6,985	10,015	35,350	27	198
	28-Aug	10	10	0	0	9,351	54,893	1,009	8,872	8,734	28,689	52	442
	30-Aug	6	6	0	0	4,162	24,447	615	6,301	6,369	20,661	6	42
	31-Aug	7	7	0	0	10,440	58,018	1,776	15,537	21,758	70,636	43	348
	1-Sep	16	16	0	0	25,484	139,389	4,338	41,228	36,976	115,487	155	1,079
	2-Sep	13	13	0	0	15,603	78,311	1,552	14,554	17,700	52,013	82	632
	3-Sep	16	16	1	12	18,877	115,533	2,333	23,308	43,039	136,238	163	1,173
	4-Sep	6	6	0	0	9,570	55,217	409	4,759	5,713	16,902	69	474
	5-Sep	19	19	0	0	11,063	67,212	1,081	9,030	6,614	20,507	52	402
	6-Sep <sup>a</sup>												
	7-Sep	19	19	11	115	13,369	77,255	2,752	25,701	7,045	20,689	39	266
	8-Sep	4	4	0	0	1,325	7,224	517	3,676	1,006	3,028	6	41
	9-Sep	6	6	0	0	6,744	40,901	600	5,391	1,030	3,420	41	297
	10-Sep	13	13	0	0	13,033	76,629	1,728	11,037	1,176	3,831	25	207
	11-Sep	7	7	1	10	3,992	22,134	571	5,406	431	1,331	63	442
	13-Sep	4	4	0	0	2,333	10,181	339	3,068	77	231	6	39
	14-Sep <sup>a</sup>												
	15-Sep <sup>a</sup>												
	16-Sep <sup>a</sup>												
	17-Sep	3	3	0	0	2,786	14,901	381	2,822	19	57	13	125
	18-Sep <sup>a</sup>												
Total		78	414	1,584	10,362	350,007	2,009,625	32,664	261,948	359,821	1,199,036	9,275	70,437
Average weight					6.5		5.7		8.0		3.3		7.6
Remainder of	17-Jun	11	11	221	1,424	9,163	47,377	0	0	128	305	273	2,047
Southwest Kodiak	18-Jun	3	3	40	228	2,583	14,334	0	0	46	91	155	1,086
District	19-Jun	13	13	43	327	3,299	17,604	0	0	10	42	27	243

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Management Unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Remainder of	26-Jun	8	8	9	34	2,761	12,666	0	0	238	627	115	1,122
Southwest Kodiak	27-Jun	10	11	25	253	4,782	23,961	2	18	591	1,642	156	1,357
District (cont.)	28-Jun	3	3	4	33	534	2,540	0	0	54	116	3	23
	29-Jun	8	8	41	338	7,189	33,458	0	0	2,288	5,442	901	4,732
	30-Jun	3	3	32	150	2,876	15,653	0	0	1,290	3,870	325	2,735
	1-Jul <sup>a</sup>	3	3	68	454	2,159	10,753	0	0	813	2,388	492	3,604
	13-Jul <sup>a</sup>	16	16	202	1,473	21,926	137,085	76	510	37,760	106,158	1,595	11,786
	14-Jul	4	4	44	253	3,380	20,802	22	119	2,936	10,450	283	2,025
	15-Jul	9	9	118	762	8,532	55,910	81	538	38,514	110,194	1,799	13,780
	16-Jul	8	8	59	315	8,215	56,489	38	230	22,302	77,323	1,499	11,505
	20-Jul <sup>a</sup>												
	21-Jul	5	5	98	1,020	3,811	21,995	87	696	18,304	56,019	274	2,124
	22-Jul	4	4	15	141	1,073	6,119	5	28	12,158	35,111	457	3,415
	23-Jul <sup>a</sup>												
	27-Jul	3	3	25	182	1,543	8,752	44	330	15,794	54,522	113	825
	28-Jul	5	5	85	547	2,020	12,028	119	841	24,017	71,345	410	3,169
	29-Jul	3	4	61	547	1,678	9,963	169	1,334	27,966	86,010	135	920
	30-Jul	8	8	129	782	5,037	29,051	188	1,494	38,284	116,741	252	1,817
	31-Jul	3	3	19	76	594	3,358	30	211	12,628	36,803	23	196
	1-Aug	13	13	7	55	4,513	24,926	125	889	34,352	97,169	196	1,495
	2-Aug <sup>a</sup>												
	4-Aug <sup>a</sup>												
	5-Aug <sup>a</sup>												
	6-Aug <sup>a</sup>												
	7-Aug <sup>a</sup>												
	8-Aug <sup>a</sup>												
	9-Aug <sup>a</sup>												
	10-Aug <sup>a</sup>												
	11-Aug <sup>a</sup>												
	12-Aug <sup>a</sup>												
	13-Aug <sup>a</sup>												
	14-Aug <sup>a</sup>												
	15-Aug <sup>a</sup>												

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Management Unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Remainder of	16-Aug <sup>a</sup>												
Southwest Kodiak	17-Aug <sup>a</sup>												
District (cont.)	20-Aug <sup>a</sup>												
	21-Aug <sup>a</sup>												
	23-Aug <sup>a</sup>												
	28-Aug <sup>a</sup>												
Total		51	174	1,573	10,530	115,441	661,261	2,971	22,993	519,587	1,606,163	10,067	74,458
Average weight					6.7		5.7		7.7		3.1		7.4
Grand Total		147	1,801	8,630	59,880	887,300	5,045,198	73,838	581,794	4,239,569	13,332,968	162,208	1,305,111

*Note:* Harvest numbers do not include test fish harvests or commercial harvest retained for personal use.

<sup>a</sup> Confidential information.

<sup>b</sup> Does not include Spiridon Special Harvest Area (254-50) or Settler Cove (259-35).

Appendix E6.--Set gillnet salmon harvest by species for Westside Management Plan units, 2013.

Management Unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Northwest	7-Jun	21	24	102	817	5,539	30,616	0	0	0	0	181	1,324
Kodiak District <sup>b</sup>	8-Jun	37	47	280	1,959	7,319	39,996	0	0	0	0	273	2,024
	9-Jun	38	46	180	1,358	15,528	86,638	0	0	1	4	349	2,622
	10-Jun	36	44	187	1,187	10,295	57,419	0	0	3	12	347	2,450
	11-Jun	45	46	168	1,296	17,464	94,398	1	5	6	24	645	4,346
	12-Jun	41	47	176	1,312	15,113	83,317	0	0	236	1,287	433	3,125
	13-Jun	48	51	252	1,922	15,514	85,191	0	0	9	28	522	3,764
	14-Jun	42	46	216	1,502	14,078	75,472	0	0	20	73	616	4,436
	15-Jun	47	51	268	1,895	16,250	89,118	0	0	27	93	664	4,868
	16-Jun	38	43	193	1,334	13,591	75,328	0	0	37	120	565	4,122
	17-Jun	42	45	155	1,050	11,098	62,533	0	0	35	121	602	4,418
	18-Jun	38	43	173	1,236	8,970	48,155	0	0	30	107	526	3,776
	19-Jun	47	47	145	1,009	7,891	44,270	0	0	43	169	422	3,182
	20-Jun	43	45	101	708	5,706	31,757	0	0	10	32	209	1,577
	21-Jun	40	43	70	581	5,128	28,268	0	0	27	104	203	1,582
	22-Jun	38	38	30	196	6,464	36,079	0	0	40	150	314	2,238
	23-Jun	41	41	36	301	8,202	46,014	0	0	84	294	650	4,792
	24-Jun	34	34	35	273	6,461	35,291	0	0	98	328	451	3,547
	25-Jun	30	32	31	229	6,896	38,799	4	24	183	625	613	4,602
	26-Jun	48	50	28	269	12,981	73,138	1	5	451	1,625	1,802	14,464
	27-Jun	35	35	29	344	9,397	54,522	0	0	280	1,081	1,285	10,366
28-Jun	46	46	24	231	9,322	51,928	3	14	399	1,499	1,046	8,014	
29-Jun	40	41	18	132	12,248	67,778	2	10	558	2,160	1,790	13,772	
30-Jun	44	45	22	188	11,451	65,404	2	13	729	2,769	1,763	13,731	
1-Jul	39	41	12	96	8,502	48,260	0	0	521	1,998	816	6,225	
2-Jul	46	48	24	194	12,561	71,278	6	34	1,319	4,921	1,356	10,422	
3-Jul	41	48	18	128	12,620	72,409	31	168	1,913	7,198	1,262	9,470	
4-Jul	35	39	28	286	11,710	68,154	26	159	1,905	7,045	1,147	9,034	
5-Jul	47	52	18	178	11,549	70,137	25	149	1,666	6,093	1,130	8,863	
6-Jul	40	43	26	227	8,533	52,156	21	126	1,683	6,206	1,434	11,275	
7-Jul	43	43	31	220	10,569	62,788	30	185	2,432	9,124	1,730	13,703	
8-Jul	40	48	55	458	12,164	70,896	42	258	3,021	11,287	2,533	21,192	
13-Jul	32	32	36	315	7,538	44,110	107	662	5,305	19,948	2,081	16,536	

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Management Unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Northwest	14-Jul	51	54	59	439	10,886	62,868	206	1,408	9,826	36,446	3,387	26,461
Kodiak District <sup>b</sup>	15-Jul	47	53	49	435	10,169	58,528	260	1,724	10,955	41,082	3,669	29,307
(cont.)	16-Jul	43	54	32	329	10,088	57,815	178	1,243	12,027	45,403	3,379	26,637
	20-Jul	30	33	23	220	6,298	36,149	122	776	11,648	42,136	1,252	9,833
	21-Jul	48	54	35	314	8,454	49,409	285	2,099	22,216	81,801	1,936	15,180
	22-Jul	49	49	23	184	5,457	31,523	180	1,220	15,940	59,050	1,476	11,547
	23-Jul	49	54	16	114	4,059	23,810	165	1,155	13,377	48,871	1,325	10,367
	27-Jul	39	42	30	295	5,716	32,961	187	1,354	19,728	73,725	2,122	15,411
	28-Jul	52	54	39	373	9,284	53,707	485	3,420	33,081	123,037	3,325	25,902
	29-Jul	47	66	154	955	9,215	53,236	590	4,242	35,607	133,442	3,608	28,179
	30-Jul	32	33	26	238	5,442	32,033	389	2,878	22,939	86,555	1,734	12,509
	31-Jul	45	54	25	244	5,621	30,971	426	3,053	24,596	91,910	1,788	13,678
	2-Aug <sup>a</sup>												
	3-Aug	34	35	14	142	2,914	17,122	216	1,575	14,412	52,698	882	6,409
	4-Aug	43	44	22	242	3,297	18,222	340	2,527	21,652	82,352	1,411	10,703
	5-Aug	46	47	72	545	6,761	40,064	701	4,142	20,990	78,129	1,464	10,927
	6-Aug	26	28	75	588	7,734	44,258	589	4,242	15,740	58,583	1,057	8,225
	7-Aug	37	39	42	333	8,073	45,943	647	4,584	24,733	90,030	1,453	11,105
	8-Aug	46	48	12	108	8,076	47,110	497	3,779	23,961	89,776	1,591	12,031
	9-Aug	42	46	16	130	8,453	49,345	471	3,436	19,221	72,014	943	7,270
	10-Aug	47	57	15	180	13,170	77,626	586	4,576	32,020	118,549	1,294	9,985
	11-Aug	46	50	21	182	12,147	70,132	739	5,402	33,627	125,803	1,264	9,795
	12-Aug	45	49	7	53	7,585	43,583	784	5,990	32,040	118,439	1,117	8,575
	13-Aug	44	55	3	27	5,489	32,134	659	5,274	32,130	119,568	953	7,493
	14-Aug	33	36	4	39	2,740	15,937	421	3,354	16,052	59,303	502	3,983
	15-Aug	40	42	3	25	3,074	18,198	513	3,920	23,188	84,155	1,301	7,603
	16-Aug	41	42	1	11	3,809	21,358	762	5,708	26,029	96,177	645	4,971
	17-Aug	42	42	2	31	5,909	33,123	1,295	10,133	37,037	139,080	797	5,981
	18-Aug	42	46	3	31	5,017	27,088	857	6,863	25,698	96,593	454	3,514
	19-Aug	43	45	1	14	4,344	24,328	743	5,674	22,175	85,386	478	3,615
	20-Aug	43	50	4	37	4,293	23,228	1,213	9,738	27,222	101,046	355	2,778
	21-Aug	44	46	2	24	4,163	22,761	1,039	8,188	20,104	73,704	333	2,592
	22-Aug	36	37	10	99	4,751	26,365	1,865	15,354	25,244	93,545	329	2,486

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Management Unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Northwest	23-Aug	33	36	7	77	5,764	31,630	1,786	14,282	22,014	80,308	270	2,106
Kodiak District <sup>b</sup>	24-Aug	33	39	5	49	4,457	24,500	1,293	9,587	17,491	64,078	159	1,243
(cont.)	25-Aug	36	36	2	27	3,606	20,525	880	7,136	13,412	49,952	118	862
	26-Aug	26	28	3	24	3,761	21,906	1,172	9,670	11,007	40,321	130	1,024
	27-Aug	26	26	2	23	1,825	10,564	1,428	11,555	10,317	37,105	105	703
	28-Aug	21	23	1	8	1,461	8,035	628	4,976	6,484	24,102	55	398
	29-Aug	18	19	0	0	1,448	8,168	745	6,084	4,253	16,181	57	414
	30-Aug	18	19	1	14	1,283	7,109	683	5,741	4,413	16,315	45	309
	31-Aug	24	25	0	0	2,370	13,281	953	7,295	6,000	22,258	49	371
	1-Sep	20	21	0	0	1,238	7,016	992	7,751	3,460	12,915	127	843
	2-Sep	20	20	1	10	324	1,732	681	5,330	2,290	8,709	30	217
	3-Sep	18	18	1	15	1,204	6,686	979	8,486	2,051	7,828	29	196
	4-Sep	19	20	0	0	1,392	7,761	830	7,185	2,260	8,215	35	270
	5-Sep	16	16	1	7	905	5,025	288	2,698	1,114	3,937	23	176
	6-Sep	8	8	1	30	405	2,194	358	2,875	815	3,178	4	29
	7-Sep	11	11	0	0	437	2,329	211	1,976	789	2,654	13	98
	8-Sep	10	10	0	0	537	2,817	113	988	547	1,788	7	51
	9-Sep	6	6	1	12	206	1,118	202	1,611	355	1,333	3	19
	10-Sep	4	4	0	0	183	1,195	38	383	162	566	3	22
	11-Sep	5	5	0	0	51	335	25	246	56	198	3	23
	12-Sep <sup>a</sup>												
	13-Sep <sup>a</sup>												
	14-Sep <sup>a</sup>												
<b>Total</b>		95	3,303	4,033	30,708	594,095	3,367,118	33,063	257,283	857,833	3,187,778	78,654	604,336
<b>Average weight</b>					7.61		5.67		7.78		3.72		7.68

Note: Harvest numbers do not include test fish harvests or commercial harvest retained for personal use.

a Confidential information

b Does not include Spiridon Special Harvest Area (254-50) or Settler Cove (259-35).



## **APPENDIX F. NORTH SHELIKOF FISHERY SUMMARY**

## INTRODUCTION

In 1988 there was a significant harvest of large (greater than 6 pound) sockeye salmon in management units bordering the northern portion of Shelikof Strait (Appendix F2). Analysis of average weights, age composition of the harvest, review of past tagging studies, and estimates of migratory timing, led to the determination that the majority of these sockeye salmon were bound for Cook Inlet (Barrett 1989). Though the Cook Inlet sockeye salmon run was at a record level, the Board of Fisheries felt that this was an expanding, nontraditional harvest pattern. In 1990, the *North Shelikof Strait Sockeye Salmon Management Plan (NSSSSMP; 5 AAC 18.363)* was adopted into regulation.

The *NSSSSMP* limits purse seine fishing opportunities in those sections of the Kodiak Management Area bordering the north Shelikof Strait (those waters of Shelikof Strait from Dakavak Bay to Cape Douglas in the Mainland District and from Raspberry Cape to Shuyak Island in the Afognak District; Appendix F2). The plan covers the time period from July 6 through July 25 and establishes two specific sockeye salmon harvest "triggers" for defined management units within the affected zone. These triggers were established to protect Cook Inlet-bound sockeye salmon that migrate through the Shelikof Strait. The Southwest Afognak management unit (comprised of the Southwest Afognak Section) and the North Shelikof management unit (comprised of the Dakavak Bay, Outer Kukak Bay, Hallo Bay, and Big River sections of the Mainland District, and the Shuyak Island and Northwest Afognak sections of the Afognak District) has separate sockeye salmon harvest triggers (Appendix F2). If the sockeye salmon harvest within either of these units reaches an established cap, then commercial fishing opportunities within that unit are restricted.

By regulation, "seaward zones" are established in each management unit. These zones are comprised of all waters seaward of a line which is drawn from cape to cape.<sup>1</sup> The seaward zone of the Southwest Afognak management unit closes to fishing if 50,000 sockeye salmon are harvested from July 6 through July 25. The seaward zone of the North Shelikof management unit closes to fishing if 15,000 sockeye salmon are harvested from July 6 through July 25. If a seaward zone closure occurs, only the inshore "shoreward zone" (all waters inside the line) will remain open to commercial fishing during normal fishing periods (Appendix F2; Keyse 2013).

In the 19 years the *NSSSSMP* has been in effect, the North Shelikof management unit has had seaward zone closures every year except 1991, 2000, and 2008 (Appendix F3). The seaward zone of the Southwest Afognak management unit has been closed only three times (in 1992, 1993, and 2003; Appendix F4).

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<sup>1</sup> In 1993, the seaward zone boundary of the Southwest Afognak unit was modified by the Alaska Board of Fisheries. The seaward zone boundary was moved 1/2 mile offshore of the line running cape to cape, in order to allow for traditional harvest opportunities of pink salmon. In 2008, the seaward zone boundary of that portion of the North Shelikof unit in the Northwest Afognak Section was moved 1/2 mile offshore of the line running cape to cape in order to allow for traditional harvest opportunities for pink salmon.

## 2013 Summary

With the expectation of an average pink salmon run in 2013 (Eggers et al. 2013), one 57-hour fishing period and two 81-hour fishing periods were scheduled preseason in the Southwest Afognak management unit and that portion of the North Shelikof management units including the Northwest Afognak and Shuyak Island sections during the period when the *NSSSSMP* was in effect (July 6 through July 25; Keyse 2013). The *NSSSSMP* prescribes 57-hour fishing periods in that portion of the North Shelikof management unit in the Mainland District and three fishing periods were scheduled to open simultaneously with openings elsewhere in the North Shelikof Strait fishery, primarily to help disperse the fleet.

### **First Fishing Period (July 6–July 9)**

The first fishing period was characterized by moderate sockeye salmon abundance. There were 12 permit holders that harvested 216 Chinook; 5,312 sockeye; 78 coho; 8,189 pink; and 4,415 chum salmon during the first period in the North Shelikof management units (Appendix F5). There were eight permit holders that harvested 134 Chinook; 5,563 sockeye; 21 coho; 4,830 pink; 2,805 chum salmon during the first period in the Southwest Afognak management unit (Appendix F6).

### **Second Fishing Period (July 13–July 16)**

The number of boats fishing in the North Shelikof management unit during this period decreased to seven permit holders, who harvested 211 Chinook; 10,253 sockeye; 209 coho; 5,957 pink; and 1,843 chum salmon (Appendix F5). Though the number of permits decreased, the harvest rate increased significantly and the total harvest in the North Shelikof management units exceeded the 15,000 sockeye salmon cap during this second fishing period. By regulation the seaward zones were closed in the Dakavak Bay, Outer Kukak Bay, Hallo Bay, Big River, Northwest Afognak, and Shuyak Island sections at 9:00 PM Monday, July 15. Fishing effort increased to 10 permit holders in the Southwest Afognak management unit during the second fishing period, who harvested 82 Chinook; 2,835 sockeye; 118 coho; 16,567 pink; and 1,280 chum salmon (Appendix F6).

### **Third Fishing Period (July 20– July 23)**

There was no effort in the North Shelikof management unit, even though the inshore areas were open during the third fishing period (Appendix F5).

Effort increased slightly during this period in the Southwest Afognak Section, but it was apparent that the 50,000 sockeye salmon harvest trigger would not be reached. From July 20 through July 23, 11 permit holders harvested 135 Chinook; 8,595 sockeye; 532 coho; 69,243 pink; and 2,470 chum salmon in the Southwest Afognak unit (Appendix F6).

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### **Season Totals**

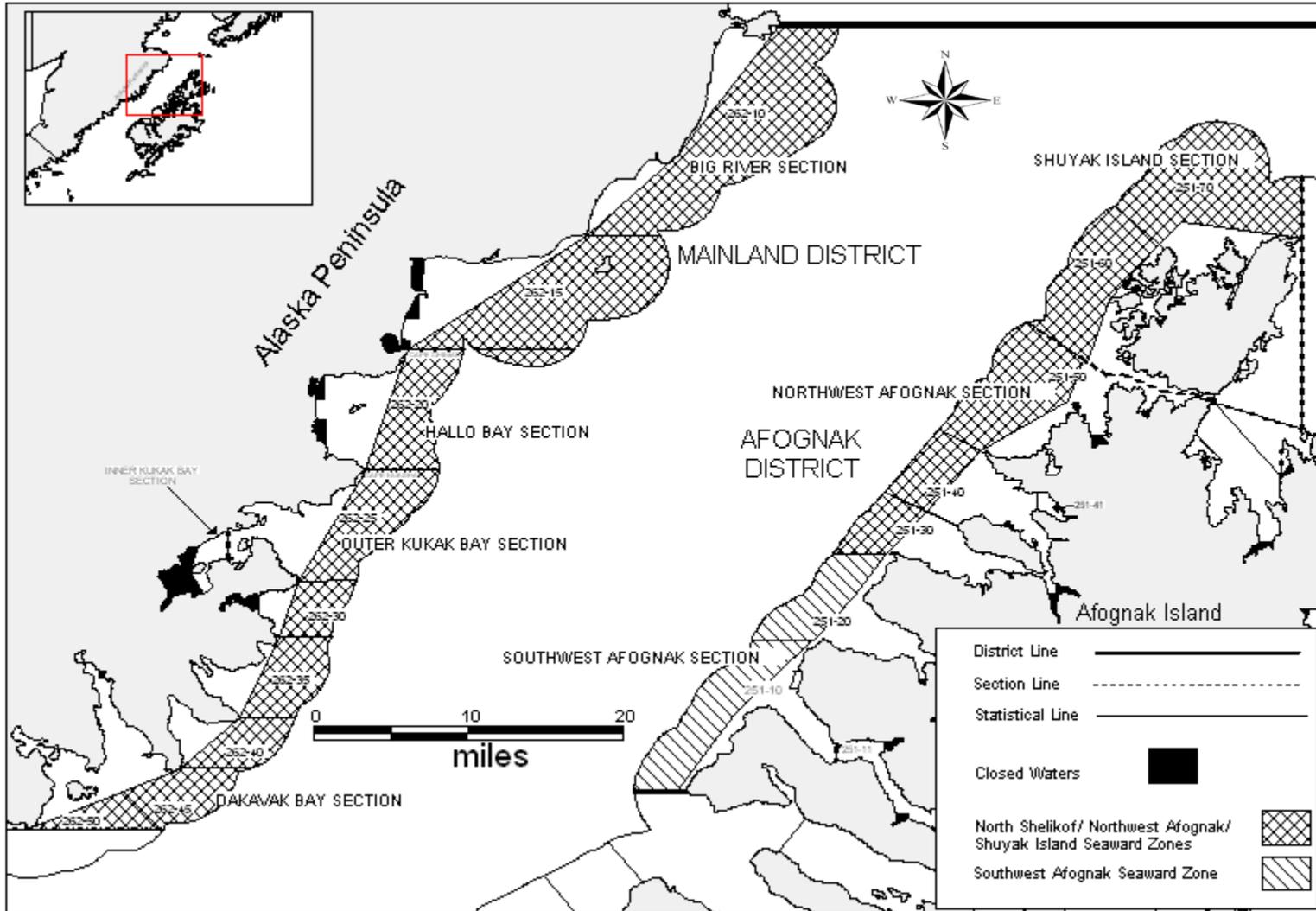
The 2013 North Shelikof management unit harvest for the time period of July 6 through July 25 totaled 427 Chinook; 15,565 sockeye; 287 coho; 14,146 pink; and 6,258 chum salmon, taken by 16 permit holders (Appendix F3 and F5). The average weight of the sockeye salmon harvested in the North Shelikof Unit was 4.8 pounds.

The 2013 Southwest Afognak Unit harvest for the time period of July 6 through July 25 totaled 351 Chinook; 16,993 sockeye; 671 coho; 90,640 pink; and 6,555 chum salmon, taken by 21 permit holders (Appendices F4 and F6). The average weight of the sockeye salmon harvested in the Southwest Afognak management unit was 5.6 pounds (Appendix F6).

### **REFERENCES CITED**

- Barrett, B. M. 1989. North Shelikof Strait 1988 sockeye catch distribution, timing, and stock composition. Alaska Department of Fish and Game, Division of Commercial Fisheries, Regional Information Report 4K88-6, Kodiak.
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Appendix F2.—Map showing the North Shelikof management area.



Appendix F3.—Summary of fishing time, zone closures, effort, and harvest by species, for the North Shelikof management unit of the Kodiak Management Area, 1991–2013.

Year	Mainland		N. Afognak		Zone Closure		Sockeye Harvest at time of zone closure	Number of Vessels	Total Salmon Harvest by Species: July 6 through July 25					Upper Cook Inlet sockeye harvest (in millions)
	# of days open to fishing	# of days Seaward Zone closed	# of days open to fishing	# of days Seaward Zone closed	Date	Time			Chinook	Sockeye	Coho	Pink	Chum	
	1991	7.1	0.0	13.1	0.0	none	none	no closure	42	2,500	18,800	2,700	44,800	3,800
1992	7.1	5.1	9.1	7.1	8-Jul	1:00 PM	13,500	77	900	128,400	3,100	24,300	12,000	8.9
1993	7.1	4.7	13.8	8.9	10-Jul	5:00 PM	15,220	89	1,200	78,400	2,000	75,600	4,200	4.7
1994	7.1	2.8	9.1	4.8	14-Jul	11:00 AM	22,830	58	165	38,800	2,400	52,000	10,500	3.5
1995	7.1	3.3	13.3	8.5	13-Jul	10:00 PM	15,770	77	150	37,400	1,260	178,800	16,590	2.9
1996	7.1	4.3	7.1	4.3	15-Jul	10:00 PM	11,675	77	260	73,720	1,820	30,050	14,585	3.9
1997	7.1	4.9	10.1	7.9	8-Jul	5:00 PM	19,850	80	1,940	59,140	1,840	38,190	4,550	4.1
1998	7.1	2.4	10.1	4.4	16-Jul	9:00 PM	17,812	39	140	40,630	5,380	59,535	6,370	1.2
1999	7.1	3.3	10.1	6.4	13-Jul	10:00 PM	13,021	45	310	30,830	230	31,920	7,795	2.7
2000	7.1	0.0	10.1	0.0	none	none	no closure	31	68	9,225	1,045	20,215	22,155	1.3
2001	7.1	2.7	10.1	4.7	16-Jul	1:00 PM	14,729	26	245	22,321	9,943	33,534	10,348	1.8
2002	7.1	2.4	10.1	4.7	15-Jul	5:00 PM	16,600	35	295	35,290	13,181	238,734	13,708	2.8
2003	7.1	5.1	13.1	11.1	8-Jul	12:00 PM	16,448	37	120	33,122	1,054	35,151	6,500	3.5
2004	7.1	3.5	13.1	7.5	13-Jul	5:00 PM	16,000	36	533	53,334	3,756	44,886	14,710	4.9
2005	7.1	3.8	13.1	8.3	13-Jul	12:01 AM	17,400	22	87	59,856	1,809	27,269	5,361	5.1
2006	8.6	4.3	17.3	9.9	14-Jul	NOON	15,000	31	482	82,538	8,312	146,445	33,075	2.4
2007	7.1	4.7	13.8	8.9	8-Jul	9:00 PM	12,688	28	266	17,407	566	14,340	5,083	3.3
2008	8.6	0.0	8.6	0.0	none	none	no closure	7	175	5,227	512	18,924	5,082	2.8
2009	7.1	2.4	13.1	6.4	15-Jul	9:00 PM	12,626	14	179	15,645	620	47,694	6,061	2.3
2010	7.1	5.1	10.1	8.1	8-Jul	1:00 PM	14,441	19	609	18,920	2,009	75,481	10,820	2.8
2011	7.1	0.3	13.1	2.3	22-Jul	1:00 PM	25,625	26	386	28,805	2,275	16,162	8,688	5.4
2012	7.1	0.3	13.1	2.3	22-Jul	1:00 PM	33,173	26	141	42,184	691	78,244	16,655	3.1
2013	7.1	2.4	9.1	4.3	15-Jul	9:00 PM	15,565	16	427	15,565	287	14,146	6,258	2.6

Note: In 1988, the Upper Cook Inlet sockeye salmon run was strong, with a commercial harvest was approximately 6,800,000 sockeye salmon. In the Kodiak Area, within the North Shelikof management unit from 7/6–7/25, 1988, with 6.9 days open to fishing, 392,000 sockeye salmon were harvested. This led to adoption of regulations to limit the sockeye salmon harvest in the North Shelikof (15,000 fish) and Southwest Afognak (50,000 fish) management units (5 AAC 18.363).

Appendix F4.–Summary of fishing time, zone closures, effort, and harvest by species, for the Southwest Afognak management unit of the Kodiak Management Area, 1991–2013.

Year	# of days open to fishing	# of days Seaward Zone closed	Zone Closure		Sockeye Harvest at time of zone closure	Number of Vessels	Total Salmon Harvest by Species: July 6 through July 25					Upper Cook Inlet sockeye harvest (in millions)
			Date	Time			Chinook	Sockeye	Coho	Pink	Chum	
1991	13.1	0.0	none	none	no closure	55	300	34,200	3,600	100,700	4,000	2.2
1992	9.1	4.7	7/14	1:00 PM	48,200	84	300	50,600	600	30,000	6,800	8.9
1993	13.6	7.7	7/14	1:00 PM	45,900	87	860	74,000	7,100	243,000	7,400	4.7
1994	9.6	0.0	none	none	no closure	45	360	13,600	1,000	64,300	3,100	3.5
1995	13.6	0.0	none	none	no closure	64	760	21,360	1,750	490,510	22,200	2.9
1996	7.6	0.0	none	none	no closure	32	185	10,510	803	79,205	10,785	3.9
1997	10.6	0.0	none	none	no closure	61	1,500	18,120	1,760	62,730	8,440	4.1
1998	10.6	0.0	none	none	no closure	22	240	10,340	2,290	82,685	1,900	1.2
1999	10.6	0.0	none	none	no closure	38	700	18,725	375	41,960	4,720	2.7
2000	10.6	0.0	none	none	no closure	31	90	17,810	1,220	37,340	7,225	1.3
2001	10.6	0.0	none	none	no closure	48	517	33,289	7,139	191,947	15,913	1.8
2002	10.6	0.0	none	none	no closure	32	502	23,691	3,742	122,892	4,821	2.8
2003	13.1	6.4	7/16	8:00 PM	66,000	41	125	119,490	6,006	238,088	15,829	3.5
2004	13.1	0.0	none	none	no closure	25	3,048	24,515	7,918	227,062	19,315	4.9
2005	13.1	0.0	none	none	no closure	29	492	30,262	1,501	156,150	2,754	5.1
2006	16.7	0.0	none	none	no closure	22	1,858	24,182	3,626	154,352	15,151	2.4
2007	13.1	0.0	none	none	no closure	26	2,222	20,704	2,899	191,203	5,353	3.3
2008	8.6	0.0	none	none	no closure	22	2,105	17,216	1,564	99,923	11,727	2.8
2009	14.3	0.0	none	none	no closure	26	182	42,687	1,957	169,217	12,828	2.3
2010	10.1	0.0	none	none	no closure	33	785	26,023	1,751	292,004	12,841	2.8
2011	13.1	0.0	none	none	no closure	17	282	14,672	2,107	23,355	8,257	5.4
2012	10.6	0.0	none	none	no closure	30	365	33,921	1,075	150,497	14,995	3.1
2013	9.6	0.0	none	none	no closure	21	351	16,993	671	90,640	6,555	2.6

Note: In 1988, the Upper Cook Inlet sockeye salmon run was very strong, with a commercial harvest was approximately 6,800,000 sockeye salmon. In the Kodiak Area, within the North Shelikof management unit from 7/6–7/25, 1988, with 6.9 days open to fishing, 392,000 sockeye salmon were harvested. This led to adoption of regulations to limit the sockeye salmon harvest in the North Shelikof (15,000 fish) and Southwest Afognak (50,000 fish) management units (5 AAC 18.363).

Appendix F5.—Daily salmon harvest by species for the North Shelikof management units of the North Shelikof Strait Sockeye Salmon Management Plan, 2013.

Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
<u>First Period (July 6–July 10)</u>												
6-Jul	6	6	90	588	1,284	7,873	3	18	4,092	7,496	2,067	19,760
7-Jul	6	6	126	1,239	3,395	17,843	75	491	3,082	10,291	2,281	16,881
8-Jul <sup>a</sup>												
Total	12	13	216	1,827	5,312	29,106	78	509	8,189	20,937	4,415	37,101
Average weight				8.46		5.48		6.53		2.56		8.40
<u>Second Period (July 13–July 17)</u>												
13-Jul	4	4	134	696	4,662	27,104	198	1,136	2,152	5,628	1,067	9,094
15-Jul	3	3	77	583	5,591	18,923	11	666	3,805	12,018	776	6,952
Total	7	7	211	1,279	10,253	46,027	209	1,802	5,957	17,646	1,843	16,046
Average weight				6.06		4.49		8.62		2.96		8.71
<u>North Shelikof Management Harvest July 6–July 25</u>												
Total	16	20	427	3,106	15,565	75,133	287	2,311	14,146	38,583	6,258	53,147
Average weight				7.27		4.83		8.05		2.73		8.49

<sup>a</sup> Confidential information.

Appendix F6.—Daily salmon harvest by species, in the Southwest Afognak management units of the North Shelikof Strait Sockeye Salmon Management Plan, 2013.

Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
First Period (July 6–July 8)												
6-Jul <sup>a</sup>												
7-Jul	3	3	20	112	2,737	15,038	15	80	2,254	6,582	1,414	10,455
8-Jul	5	5	108	647	2,388	12,596	0	0	2,271	6,988	1,233	8,434
Total	8	10	134	801	5,563	29,943	21	114	4,830	14,486	2,805	20,177
Avg. Wt.				5.98		5.38		5.43		3.00		7.19
Second Period (July 13–July 16)												
13-Jul	5	5	14	130	681	3,415	35	202	2,910	8,693	239	1,768
15-Jul	4	4	62	454	1,969	11,809	73	433	12,421	36,905	912	7,264
16-Jul <sup>a</sup>												
Total	10	10	82	611	2,835	16,129	118	695	16,567	49,925	1,280	9,939
Avg. Wt.				7.45		5.69		5.89		3.01		7.76
Third Period (July 20–July 24)												
20-Jul	4	5	14	138	3,089	17,694	149	968	26,822	83,505	1,042	8,367
21-Jul <sup>a</sup>												
22-Jul	5	5	81	363	3,678	19,489	311	1,888	25,155	82,681	961	8,019
23-Jul	3	4	8	119	876	5,167	72	416	7,743	25,292	186	1,255
Total	11	16	135	940	8,595	48,788	532	3,272	69,243	217,656	2,470	19,959
Avg. Wt.				6.96		5.68		6.15		3.14		8.08
Season												
Total	21	36	351	2,352	16,993	94,860	671	4,081	90,640	282,067	6,555	50,075
Avg. Wt.				6.70		5.58		6.08		3.11		7.64

<sup>a</sup> Confidential.



## **APPENDIX G. EASTSIDE AFOGNAK FISHERY SUMMARY**

## INTRODUCTION

In 1990, the Board of Fisheries adopted the *Eastside Afognak Management Plan* (5 AAC 18.365) into regulation to manage the fisheries in the vicinity of the Kitoi Bay Hatchery. The plan has been in effect with occasional modification since 1981, and was formulated jointly by Kodiak Management Area (KMA) commercial fishery managers and the Kitoi Bay Hatchery manager. This hatchery, on the eastside of Afognak Island (Appendix G2), produces significant returns of pink, chum, and coho salmon. The goal of this plan is to achieve escapement and harvest objectives for salmon stocks of the Raspberry Straits, Southeast Afognak, Duck Bay, Izhut Bay, and Kitoi Bay sections, and ensure broodstock for the hatchery. This plan details the key species and targeted stocks which are managed in each of these sections throughout the fishing season.

### 2013 Eastside Afognak Fishery

Management of the Southeast Afognak Section is based on local salmon runs. Fisheries can be allowed from June 1 through July 5 based on the sockeye salmon returning to the Afognak Lake system, and after July 5 based on local pink, chum, and coho salmon abundance. A strong return of sockeye salmon was apparent early in the season and the Southeast Afognak Section was opened with the initial opening for KMA sockeye salmon on June 7. Closed waters for both the subsistence and commercial fisheries were reduced to the stream terminus of Afognak River. The run continued to be strong and the Southeast Afognak Section stayed open to continuous fishing until July 8. After July 8 fishing time in the Southeast Afognak Section occurred at the same time as most of the Afognak District with normal closed waters. A total of 30 permit holders harvested 41 Chinook; 7,624 sockeye; 1,862 coho; 150,529 pink; and 702 chum salmon (Appendix G3). The 2013 sockeye salmon escapement into Afognak Lake was 42,153 fish (Table 4; Fuerst *In prep*), which was within the escapement goal range of 20,000 to 50,000 fish (Nemeth et al. 2010).

The commercial salmon fishery targeting Kitoi Bay Hatchery fish began on June 7 with the last delivery occurring on September 5. In fisheries targeting the Kitoi Bay Hatchery return, which include the Duck Bay, Izhut Bay, Inner Kitoi, and Outer Kitoi Bay sections, 132 permit holders harvested 1,743 Chinook; 109,706 sockeye; 52,714 coho; 11,758,629 pink; and 96,142 chum salmon (Appendix G3). The hatchery late-run sockeye, pink, coho, and chum salmon harvests were below harvest forecasts (Table 9; Eggers et al. 2013), but the sockeye salmon harvest was stronger than expected.

There was a cost recovery fishery near the Kitoi Bay Hatchery, with the harvest sold by Kodiak Regional Aquaculture Association. The cost recovery fishery took approximately 1.61 million pink salmon (4.91 million pounds), about 14% of the 2013 Kitoi Bay Hatchery pink salmon harvest. In 2013, 4,441 sockeye and 581 chum salmon were also harvested in the cost recovery fishery.

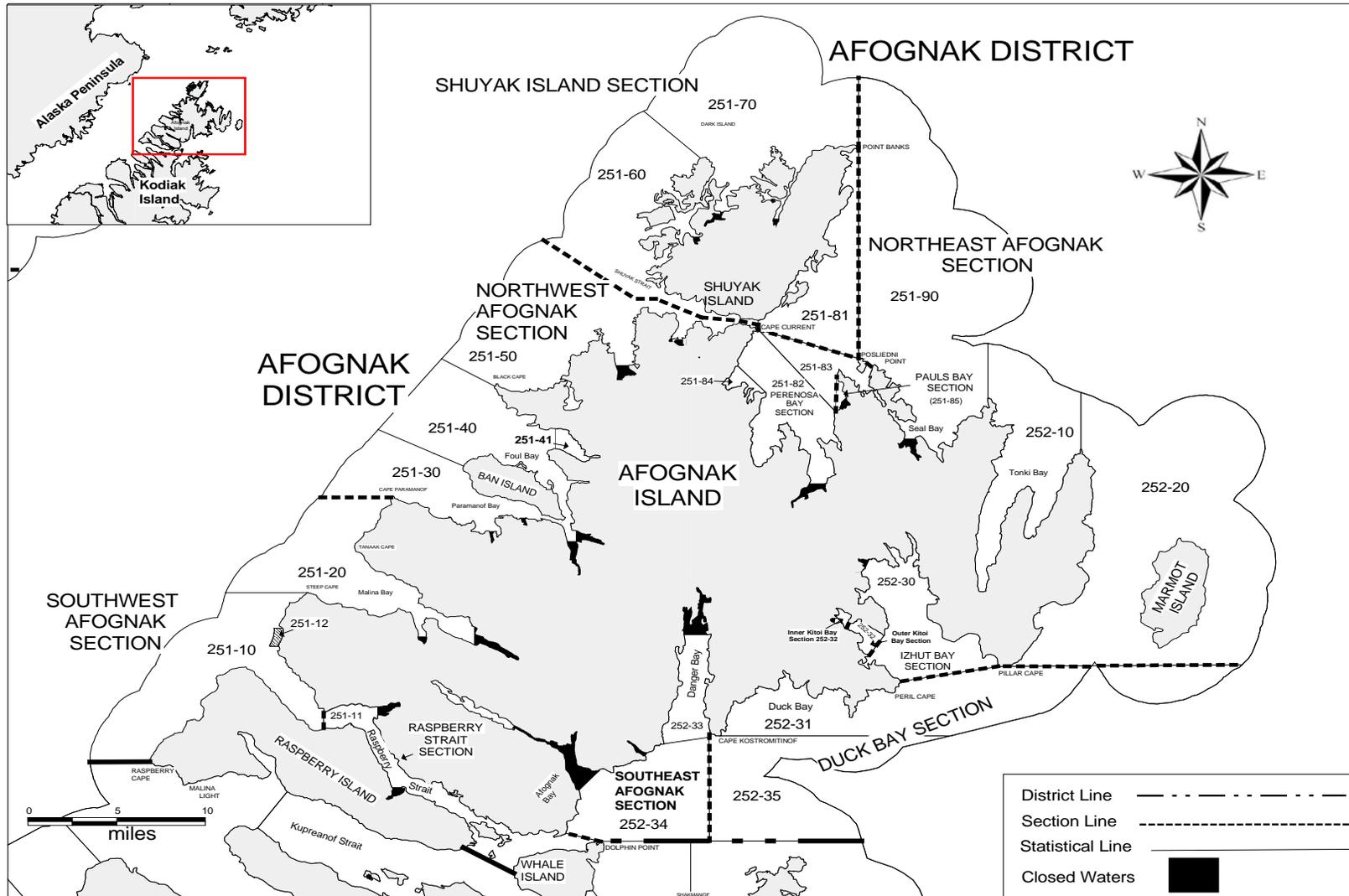
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Appendix G2.—Map of the Afognak District of the Kodiak Management Area.



Appendix G3.–Daily salmon harvest, by species, for the management units of the East Afognak Management Plan, 2013.

Management Unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Raspberry Strait Section	6-Aug <sup>a</sup>												
251-11													
Total	<sup>a</sup>												
Average weight													
Southeast Afognak Section	7-Jun <sup>a</sup>												
252-34 & 33	9-Jun <sup>a</sup>												
	10-Jun <sup>a</sup>												
	11-Jun <sup>a</sup>												
	12-Jun	3	3	0	0	639	2,984	0	0	0	0	1	10
	13-Jun <sup>a</sup>												
	14-Jun	3	3	0	0	900	4,179	0	0	1	2	2	15
	16-Jun <sup>a</sup>												
	17-Jun <sup>a</sup>												
	18-Jun <sup>a</sup>												
	19-Jun <sup>a</sup>												
	21-Jun	4	4	3	33	743	4,097	0	0	87	199	128	1,206
	22-Jun <sup>a</sup>												
	25-Jun <sup>a</sup>												
	26-Jun <sup>a</sup>												
	29-Jun <sup>a</sup>												
	30-Jun <sup>a</sup>												
	2-Jul <sup>a</sup>												
	3-Jul <sup>a</sup>												
	30-Jul <sup>a</sup>												
	3-Aug	4	4	7	74	99	511	205	1,509	29,206	86,370	62	487
	4-Aug	7	7	2	26	73	399	154	1,319	32,407	91,255	48	367
	5-Aug	4	4	1	6	52	320	149	1,100	23,367	69,501	24	166
	8-Aug <sup>a</sup>												
	13-Aug <sup>a</sup>												
	15-Aug	3	3	0	0	19	122	355	1,899	9,065	30,125	4	43
	16-Aug <sup>a</sup>												
	17-Aug <sup>a</sup>												
	19-Aug <sup>a</sup>												

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Management Unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Southeast Afognak Section	22-Aug <sup>a</sup>												
	23-Aug <sup>a</sup>												
252-34 & 33 (cont.)	24-Aug <sup>a</sup>												
Total		30	63	41	389	7,624	37,514	1,862	13,419	150,529	463,142	702	5,389
Average weight					9.49		4.92		7.21		3.08		7.68
Izhut Bay Section	11-Jun <sup>a</sup>												
252-30	12-Jun <sup>a</sup>												
	14-Jun <sup>a</sup>												
	16-Jun <sup>a</sup>												
	19-Jun	4	4	67	614	1,091	5,427	0	0	79	237	2,581	17,871
	20-Jun <sup>a</sup>												
	21-Jun	4	4	66	460	2,868	16,309	1	7	496	1,199	1,796	16,299
	22-Jun <sup>a</sup>												
	23-Jun	5	5	7	57	1,261	5,303	0	0	161	486	2,539	17,986
	24-Jun <sup>a</sup>												
	25-Jun	4	4	1	13	355	1,995	0	0	53	129	1,309	13,376
	26-Jun <sup>a</sup>												
	28-Jun <sup>a</sup>												
	29-Jun	4	4	8	86	710	3,940	2	21	97	292	2,470	17,627
	19-Jul	4	4	8	48	386	1,890	22	129	604	1,724	103	807
	20-Jul <sup>a</sup>												
	22-Jul <sup>a</sup>												
	23-Jul <sup>a</sup>												
	30-Jul <sup>a</sup>												
	6-Aug <sup>a</sup>												
	7-Aug	22	24	1	9	136	683	285	2,040	215,766	686,673	136	910
	8-Aug	31	35	0	0	145	801	318	2,369	216,249	711,656	167	1,122
	9-Aug	25	26	3	19	89	452	241	1,486	197,717	628,713	62	392
	10-Aug	41	42	2	28	144	807	243	1,841	276,175	903,381	142	1,118
	11-Aug	27	32	0	0	42	200	7,529	23,463	214,100	672,437	52	380
	12-Aug	11	11	0	0	281	1,385	429	2,813	109,310	340,294	249	2,004
	13-Aug	43	53	0	0	140	753	385	3,070	335,179	1,063,853	81	615
	14-Aug	41	45	0	0	200	1,055	653	4,494	298,533	935,730	204	868
	15-Aug	53	55	1	8	116	551	557	4,060	318,270	1,021,692	51	283
	16-Aug	44	45	1	7	85	443	449	3,487	288,815	945,143	38	255

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Management Unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	
Izhut Bay Section	17-Aug	46	46	0	0	243	1,140	1,118	8,484	342,273	1,092,058	253	1,777	
252-30 (cont.)	18-Aug	23	24	0	0	52	261	524	3,752	117,300	362,230	13	90	
	19-Aug	36	36	0	0	109	560	1,039	7,124	169,727	563,109	44	293	
	20-Aug	38	41	0	0	115	641	707	6,274	345,776	1,003,234	38	196	
	21-Aug	43	46	0	0	126	641	859	7,067	250,959	777,045	56	326	
	22-Aug	54	56	0	0	141	708	1,246	9,171	280,091	907,088	232	1,548	
	26-Aug	38	38	1	12	100	530	1,298	9,887	212,107	683,738	73	633	
	27-Aug	18	18	0	0	158	957	671	5,746	103,112	352,898	13	45	
	28-Aug	7	9	1	40	43	188	609	4,994	42,166	138,552	15	40	
	29-Aug	8	8	0	0	158	739	1,499	11,511	73,354	253,279	25	81	
	30-Aug	14	17	0	0	47	237	852	7,620	104,655	333,523	19	82	
	31-Aug	8	8	0	0	10	57	163	1,322	10,358	35,537	3	25	
	1-Sep	10	10	0	0	10	53	680	4,622	34,101	112,759	0	0	
	2-Sep	5	5	0	0	7	36	151	1,318	20,865	67,501	0	0	
	3-Sep	4	4	0	0	29	148	316	2,775	29,120	80,483	0	0	
	4-Sep <sup>a</sup>													
	5-Sep <sup>a</sup>													
	Total		119	780	245	1,898	12,617	65,708	23,149	143,560	4,647,757	14,786,065	15,535	119,072
Average weight					7.75		5.21		6.20		3.18		7.66	
Duck Bay Section	8-Jun <sup>a</sup>													
252-31 & 35	9-Jun <sup>a</sup>													
	11-Jun <sup>a</sup>													
	12-Jun	4	4	24	172	2,197	10,033	0	0	349	882	735	4,904	
	13-Jun <sup>a</sup>													
	14-Jun	3	3	160	1,021	2,493	11,036	0	0	357	684	1,097	6,209	
	15-Jun <sup>a</sup>													
	16-Jun	5	5	1,242	8,416	913	4,167	0	0	201	413	254	1,597	
	17-Jun <sup>a</sup>													
	18-Jun <sup>a</sup>													
	19-Jun	5	5	197	1,192	3,985	19,400	0	0	110	347	2,763	15,882	
	20-Jun	3	3	166	1,479	1,529	8,311	0	0	153	484	1,184	7,824	
	21-Jun	5	5	100	986	3,421	19,603	0	0	389	1,098	2,185	15,731	
	22-Jun <sup>a</sup>													
	23-Jun	7	7	3	21	2,967	13,043	0	0	522	1,512	2,630	18,749	
	24-Jun	4	4	12	73	1,815	8,402	0	0	90	225	1,985	12,948	

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Management Unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Duck Bay Section	25-Jun	7	7	14	132	2,069	9,701	0	0	464	1,151	2,796	20,403
252-31 & 35 (cont.)	26-Jun	6	6	50	279	1,878	8,988	2	9	235	794	2,662	18,982
	27-Jun <sup>a</sup>												
	28-Jun	6	6	34	212	1,495	7,361	3	16	325	1,004	2,216	16,651
	29-Jun	6	6	19	176	1,488	8,145	2	12	605	1,591	2,420	18,164
	30-Jun	8	8	22	156	3,645	17,608	25	124	1,253	3,116	2,351	16,057
	1-Jul	3	3	9	107	1,720	8,282	30	172	511	1,321	1,272	8,259
	2-Jul	6	6	43	363	3,307	17,190	28	171	980	2,308	2,474	17,647
	3-Jul	4	4	45	237	1,889	9,494	49	293	563	1,680	1,138	7,464
	4-Jul	5	5	23	191	976	4,997	14	72	622	1,760	505	3,485
	5-Jul	4	4	35	239	2,745	14,366	58	345	1,338	3,923	1,870	12,731
	6-Jul	5	6	11	96	2,510	12,218	51	289	1,068	2,942	1,788	13,344
	7-Jul	3	3	34	196	880	4,861	40	252	602	1,958	741	5,048
	8-Jul	3	3	11	58	974	5,536	14	70	667	1,885	756	5,441
	9-Jul	6	7	10	85	2,063	10,309	26	136	1,516	4,211	1,623	11,357
	10-Jul	7	7	12	97	1,566	7,687	26	144	2,113	6,311	1,119	8,989
	11-Jul	5	5	32	279	1,231	7,328	38	279	2,105	6,598	628	4,600
	12-Jul	5	5	59	334	2,051	9,730	249	1,491	3,970	11,006	974	6,431
	13-Jul	4	4	31	180	1,094	5,165	99	575	3,113	8,347	623	4,296
	14-Jul	4	4	91	380	1,420	6,892	181	1,068	3,282	10,817	665	4,362
	15-Jul	4	4	40	208	1,276	7,087	185	1,222	3,217	10,774	596	4,563
	16-Jul	9	9	72	535	3,459	16,595	255	1,588	15,297	40,469	1,549	10,661
	17-Jul	4	4	10	88	394	2,027	64	438	2,419	5,983	230	1,586
	18-Jul	4	4	21	160	609	3,554	92	557	2,388	8,537	424	2,905
	19-Jul <sup>a</sup>												
	20-Jul <sup>a</sup>												
	21-Jul <sup>a</sup>												
	22-Jul <sup>a</sup>												
	23-Jul	7	7	7	37	1,665	8,224	487	3,531	28,180	80,404	637	5,350
	24-Jul	4	4	5	24	453	2,503	174	1,483	9,775	29,662	133	1,268
	25-Jul	9	9	2	27	748	3,956	184	1,250	19,281	62,522	221	1,717
	26-Jul	9	9	4	47	516	2,657	145	950	22,461	67,204	202	1,402
	27-Jul	5	5	1	9	316	1,814	120	820	21,275	51,449	169	1,227
	28-Jul	8	8	4	52	292	1,631	109	926	19,045	57,219	66	397
	29-Jul	8	8	10	135	396	2,103	195	1,431	38,304	111,847	90	573
	30-Jul	7	9	5	37	512	2,840	235	1,682	42,677	108,735	280	2,061

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Management				Chinook		Sockeye		Coho		Pink		Chum	
Unit	Date	Permits	Landings	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Duck Bay Section	6-Aug	5	5	0	0	77	381	60	524	41,559	128,603	32	262
252-31 & 35 (cont.)	7-Aug	16	16	7	100	258	1,393	440	3,539	166,543	505,497	421	3,289
	8-Aug	17	17	1	10	187	993	452	3,369	141,612	441,660	206	1,323
	9-Aug	7	7	0	0	87	423	197	1,433	57,955	181,506	28	222
	10-Aug	31	34	1	25	414	2,418	1,053	8,440	299,985	894,043	255	2,094
	11-Aug	33	34	3	78	7,924	20,363	682	4,773	258,318	852,282	132	931
	12-Aug	15	16	1	11	108	514	278	1,816	120,904	412,333	53	366
	13-Aug	45	52	1	22	296	1,677	956	7,367	412,137	1,297,204	118	744
	14-Aug	43	44	4	37	376	2,099	1,158	7,911	323,700	1,017,056	115	771
	15-Aug	28	30	0	0	121	707	845	6,653	214,127	677,186	36	216
	16-Aug	31	35	4	21	264	1,359	1,414	11,491	355,530	1,097,308	84	561
	17-Aug	19	21	0	0	288	1,375	1,464	9,001	176,005	579,830	30	182
	18-Aug	42	45	0	0	282	1,558	1,672	12,766	358,299	1,119,623	141	1,028
	19-Aug	38	39	1	8	426	2,115	1,625	10,603	223,943	749,841	204	1,244
	25-Aug	35	37	1	30	573	3,562	1,669	13,273	176,747	527,158	260	1,622
	26-Aug	20	21	0	0	374	2,249	2,399	17,275	158,270	529,475	26	200
	27-Aug	36	40	0	0	391	1,939	3,424	25,999	317,178	1,056,395	42	280
	28-Aug	30	32	0	0	272	1,342	2,840	22,026	211,699	670,982	5,678	17,159
	29-Aug	13	13	1	8	98	549	767	6,579	94,637	319,190	24	139
	30-Aug	11	11	0	0	133	684	604	5,426	49,494	161,759	11	67
	31-Aug	13	14	0	0	141	826	1,130	9,786	76,311	231,229	6	47
	1-Sep	6	6	0	0	137	446	411	3,995	22,328	73,304	4	30
	2-Sep <sup>a</sup>												
	4-Sep <sup>a</sup>												
Total		117	805	3,207	23,325	84,835	409,144	28,937	216,923	4,523,541	14,281,649	57,194	378,250
Average weight					7.27		4.82		7.50		3.16		6.61
Inner & Outer Kitoi Bay Sections	9-Jun <sup>a</sup>												
252-32	11-Jun <sup>a</sup>												
	12-Jun <sup>a</sup>												
	13-Jun <sup>a</sup>												
	16-Jun <sup>a</sup>												
	17-Jun	3	3	80	613	469	2,291	0	0	2	5	1,349	9,692
	18-Jun	3	3	36	292	463	2,460	0	0	49	149	1,597	10,602
	19-Jun <sup>a</sup>												
	20-Jun	3	3	5	33	350	1,760	0	0	3	10	1,047	7,141

-continued-

Appendix G3.–Page 6 of 6.

Management Unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Inner & Outer Kitoi	21-Jun <sup>a</sup>												
Bay sections	22-Jun	3	3	10	103	565	2,835	0	0	13	26	1,325	9,335
252-32 (cont.)	23-Jun	5	5	0	0	773	3,707	0	0	26	53	1,763	11,326
	24-Jun	4	4	0	0	464	2,324	0	0	0	0	2,101	14,126
	25-Jun	4	4	0	0	302	1,449	0	0	0	0	1,194	7,892
	26-Jun	6	6	0	0	949	4,704	0	0	46	171	4,031	29,519
	27-Jun <sup>a</sup>												
	28-Jun <sup>a</sup>												
	2-Aug <sup>a</sup>												
	3-Aug <sup>a</sup>												
	4-Aug <sup>a</sup>												
	5-Aug <sup>a</sup>												
	6-Aug <sup>a</sup>												
	7-Aug <sup>a</sup>												
	8-Aug <sup>a</sup>												
	9-Aug	60	74	1	6	410	1,880	402	2,756	960,101	2,970,252	148	1,056
	11-Aug <sup>a</sup>												
	13-Aug <sup>a</sup>												
	14-Aug	6	6	0	0	281	826	4	16	119,262	367,510	2	6
	15-Aug	3	3	0	0	0	0	125	1,000	17,012	52,237	0	0
	16-Aug	6	6	0	0	23	115	55	450	49,075	120,696	2	20
	17-Aug	4	4	0	0	0	0	8	50	32,448	77,985	0	0
	19-Aug <sup>a</sup>												
	20-Aug <sup>a</sup>												
	21-Aug <sup>a</sup>												
	22-Aug <sup>a</sup>												
	23-Aug <sup>a</sup>												
	24-Aug <sup>a</sup>												
	27-Aug	4	4	0	0	0	0	32	271	10,537	33,878	0	0
Total		72	170	171	1,385	12,254	56,731	628	4,553	2,587,331	7,876,530	23,413	157,670
Average weight					8.10		4.63		7.25		3.04		6.73
Management Units Targeting Kitoi Hatchery (Inner & Outer Kitoi, Izhut and Duck Bay Sections)													
Subtotal		135	1,743	3,623	26,608	109,706	531,583	52,714	365,036	11,758,629	36,944,244	96,142	654,992
Average weight					7.34		4.85		6.92		3.14		6.81
East Afognak Management Units													
Grand Total		136	1,801	3,664	26,997	117,330	569,097	54,576	378,455	11,909,158	37,407,386	96,844	660,381
Average weight					7.37		4.85		6.93		3.14		6.82

<sup>a</sup> Confidential information.

**APPENDIX H. SPIRIDON BAY SPECIAL HARVEST AREA  
FISHERY SUMMARY**

## INTRODUCTION

Adult sockeye salmon return each year to Telrod Cove in Spiridon Bay as a result of a juvenile stocking program of Spiridon Lake conducted by Kodiak Regional Aquaculture Association (KRAA; Appendix H2). Some of these fish were harvested in Westside Kodiak commercial fisheries and the remainder was harvested in a terminal fishery in the Spiridon Bay Special Harvest Area (SBSHA) in Telrod Cove. A total return of approximately 371,000 Spiridon Lake sockeye salmon was expected in 2013 (Eggers et al. 2013). Sockeye salmon stocked into Spiridon Lake were from Saltery Lake stocks. Spiridon Lake sockeye salmon are expected to return in late June to early July, peak in mid to late July, and end by mid-August. This run timing should follow the Saltery Lake sockeye salmon stock.

### 2013 Spiridon Bay sockeye salmon fishery

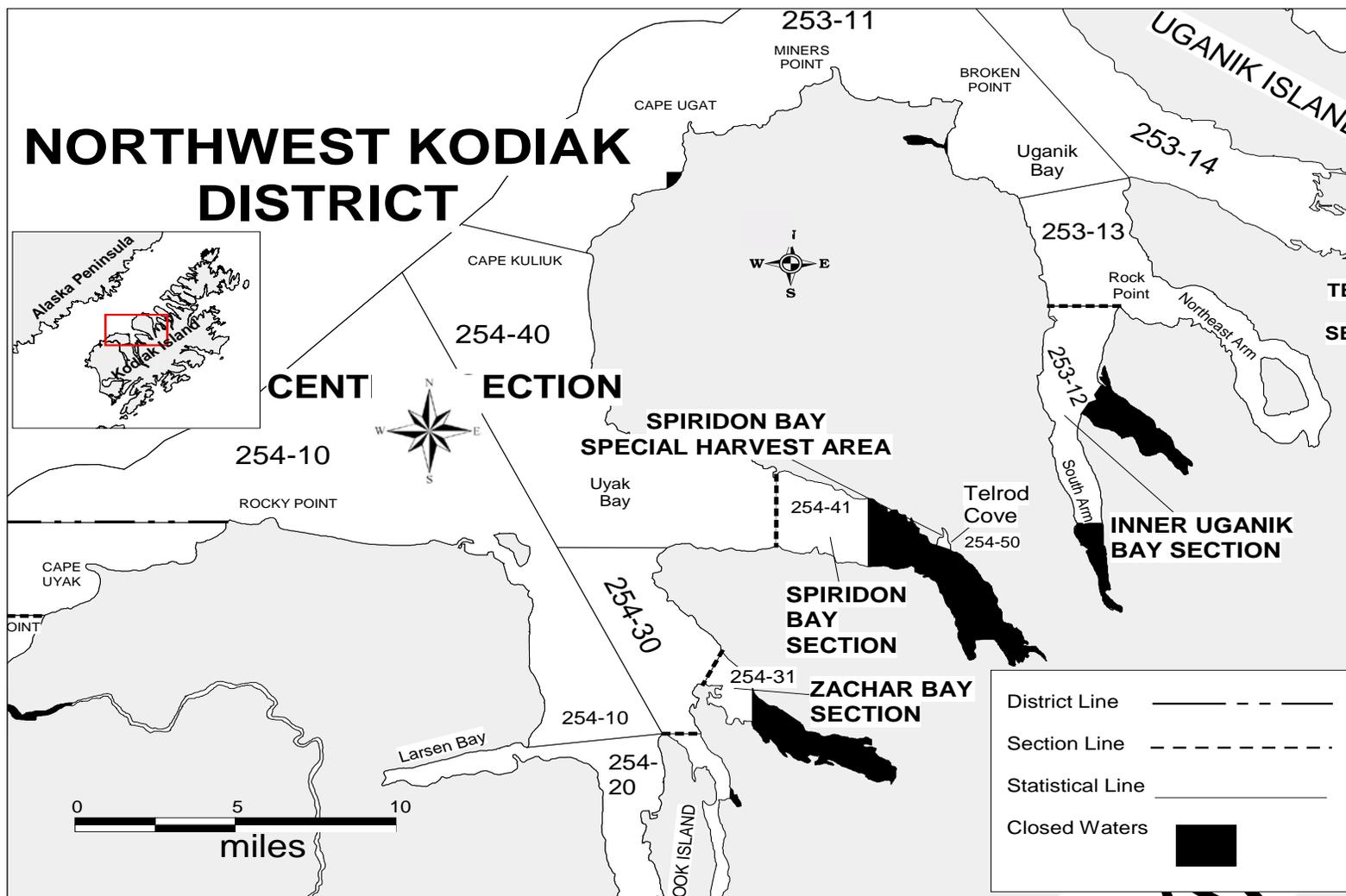
KRAA conducted a cost recovery harvest to defray costs of this project. The cost recovery harvest began on June 26 and continued until July 19, and harvested 95,725 sockeye, 2,396 pink and 123 chum salmon. With the conclusion of the cost recovery harvest, the common property fishery was opened on July 20 and remained open through August 7 after the sockeye salmon run had subsided. Nineteen seiners harvested 33,299 sockeye; 4 coho; 37,440 pink; and 3,217 chum salmon in the common property fishery in the SBSHA (Appendix H3). The total number of sockeye salmon harvested in Telrod Cove was 129,024 fish, 74% (95,725 fish) of which was harvested for cost recovery (Appendix H4).

In 2013, salmon purse seine and set gillnet permit holders were allowed to fish a relatively liberal fishing schedule in July along the west side of Kodiak Island in anticipation of an average pink salmon run. The total number of sockeye salmon returning to the Spiridon enhancement project that were sold in 2013 was estimated at 330,831 fish, with approximately 39% (129,024 fish) harvested within the SBSHA and an estimated 61% (201,807 fish) harvested in the Southwest Afognak Section and Central and North Cape sections of the Northwest Kodiak District (Appendix H4). This estimate was based on analyses of commercial catch samples collected inseason from the Westside Kodiak fisheries in 2013 (Moore *In prep*), using the same analytical protocols used in 2008 through 2013.

## REFERENCES CITED

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Appendix H2.-Map of the Spiridon Bay Special Harvest Area in the Northwest Kodiak District.



Appendix H3.—Daily salmon harvest by species in the Spiridon Bay Special Harvest Area, 2013.

Management Unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Spiridon Bay SHA													
	20-Jul	14	15	0	0	10,094	54,429	0	0	4,693	15,509	28	223
	21-Jul	10	10	0	0	5,119	27,927	0	0	9,611	27,297	283	3,089
	22-Jul	6	7	0	0	1,827	12,296	0	0	4,539	11,425	536	4,362
	23-Jul	7	8	0	0	1,904	9,579	2	14	2,786	7,790	754	6,798
	24-Jul	6	7	0	0	1,634	9,812	0	0	2,326	5,734	609	6,331
	25-Jul	5	5	0	0	609	3,557	0	0	1,325	3,725	543	5,400
	26-Jul	7	7	0	0	1,007	5,671	0	0	1,896	6,388	268	2,265
	27-Jul	3	3	0	0	1,740	8,711	0	0	1,504	4,784	51	360
	28-Jul <sup>a</sup>												
	29-Jul	5	5	0	0	2,432	14,441	2	16	1,281	5,675	12	93
	30-Jul	3	3	0	0	920	4,608	0	0	1,045	4,189	12	128
	31-Jul	3	4	0	0	2,658	15,119	0	0	1,125	3,743	5	47
	1-Aug	4	4	0	0	1,478	7,410	0	0	1,993	7,667	25	226
	2-Aug <sup>a</sup>												
	3-Aug <sup>a</sup>												
	4-Aug	3	3	0	0	237	1,196	0	0	1,009	4,443	55	398
	7-Aug	1	1	0	0	376	2,330	0	0	696	2,366	6	39
Total		19	88	0	0	33,299	183,517	4	30	37,440	117,079	3,217	29,983
Average weight					0.00		5.51		7.50		3.13		9.32

Note: Harvest does not include fish set aside for personal use or fish harvested in cost recovery fisheries.

<sup>a</sup> Confidential information.

Appendix H4.—Estimated contribution to the commercial harvest from the Spiridon Lake sockeye salmon enhancement project, by locality, in the Kodiak Management Area, 2013.

	Actual	Estimated	
	Telrod Cove	Southwest Afognak Section and NW Kodiak District	Westside Total
Cost recovery	95,725	0	95,725
Common property	33,299	201,807	235,106
Total harvest	129,024	201,807	330,831
Percent	39%	61%	100%



## **APPENDIX I. EASTSIDE KODIAK FISHERY SUMMARY**

## INTRODUCTION

The goal of the *Eastside Kodiak Salmon Management Plan* is to achieve escapement and harvest objectives for sockeye, pink, chum, and coho salmon returning to spawning streams in the Northeast Kodiak and Eastside Kodiak districts. This plan details the key species and targeted stocks that are managed in each of these sections throughout the fishing season (5 AAC 18.367).

For the Northeast Kodiak District (Appendix I2), all sections are to remain closed to commercial salmon fishing until July 6, when the general pink salmon fishery begins for most of the Kodiak Management Area (Keyse 2013). Fishing opportunities through August 24 are based on the abundance of local and mixed pink and chum salmon, except that in the Buskin River Section from July 6 through July 15 fishing could be allowed based on local pink salmon and Buskin River sockeye salmon. From August 25 through September 5, fishing periods are based on the abundance of local pink and coho salmon, and after September 5, on local coho salmon.

For most of the Eastside Kodiak District in 2013 (Appendix I3), not more than two 33-hour fishing periods could occur from June 14 through July 5 to harvest local and mixed KMA sockeye salmon (5 AAC 18.367). The Inner Ugak Bay Section could not open for more than two 33-hour fishing periods from June 14 through June 21. From June 22 through July 5, fishing opportunities are based on sockeye salmon bound to either the Pasagshak River in Outer Ugak Bay Section or the Saltery River in Inner Ugak Bay Section. From July 6 through August 24, fishing opportunities in all sections are based on the abundance of local and mixed pink and chum salmon, except that in Inner Ugak Bay Section, Saltery sockeye salmon must be considered through July 31. From August 25 through September 5, fishing periods are based on the abundance of local pink, chum, and coho salmon and after September 5, on local coho salmon (5 AAC 18.367).

Within the Buskin River Section of the Northeast Kodiak District, the Buskin Lake system produces a significant run of sockeye salmon which is targeted by a large number of subsistence and sport fishermen. The Division of Sport Fish operates a weir on the Buskin River to enumerate salmon escapement. Within the Inner Ugak Bay Section of the Eastside Kodiak District, the Saltery Lake system produces a significant run of sockeye salmon. A weir is operated on this stream by Kodiak Regional Aquaculture Association (KRAA) and the ADF&G to enumerate sockeye salmon. The Pasagshak River weir, located in Outer Ugak Bay, is funded by the Alaska Sustainable Salmon Fund and is important for both subsistence and sport fisheries. Other minor sockeye salmon systems are present in the Eastside Kodiak District, including Lake Miam and Ocean Beach.

### 2013 Eastside Kodiak Fisheries

The Saltery River sockeye salmon run was strong with cumulative escapement past Saltery weir of 39,679 fish (Table 4; Fuerst *In prep*) above the desired escapement goal range of 15,000 to 35,000 fish (Keyse 2013). There were two 33-hour fishing periods in the Inner Ugak Bay Section beginning on June 14 and June 21. Once it was apparent that the lower bound of the escapement goal range would be met, and coupled with a strong pink salmon return, continuous fishing was permitted from June 27 until the end of the season.

In 2011, a weir was established at the outlet of Pasagshak Lake to enumerate sockeye salmon.

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Since this was only the third year this weir was in operation, the data was of little value in assessing in-season run strength. A total of 11,421 sockeye salmon were estimated to have passed the weir in 2013 (Table 4; Fuerst *In prep*), above the lower bound sustainable escapement goal of 3,000 fish (Table 3; Nemeth et al. 2010).

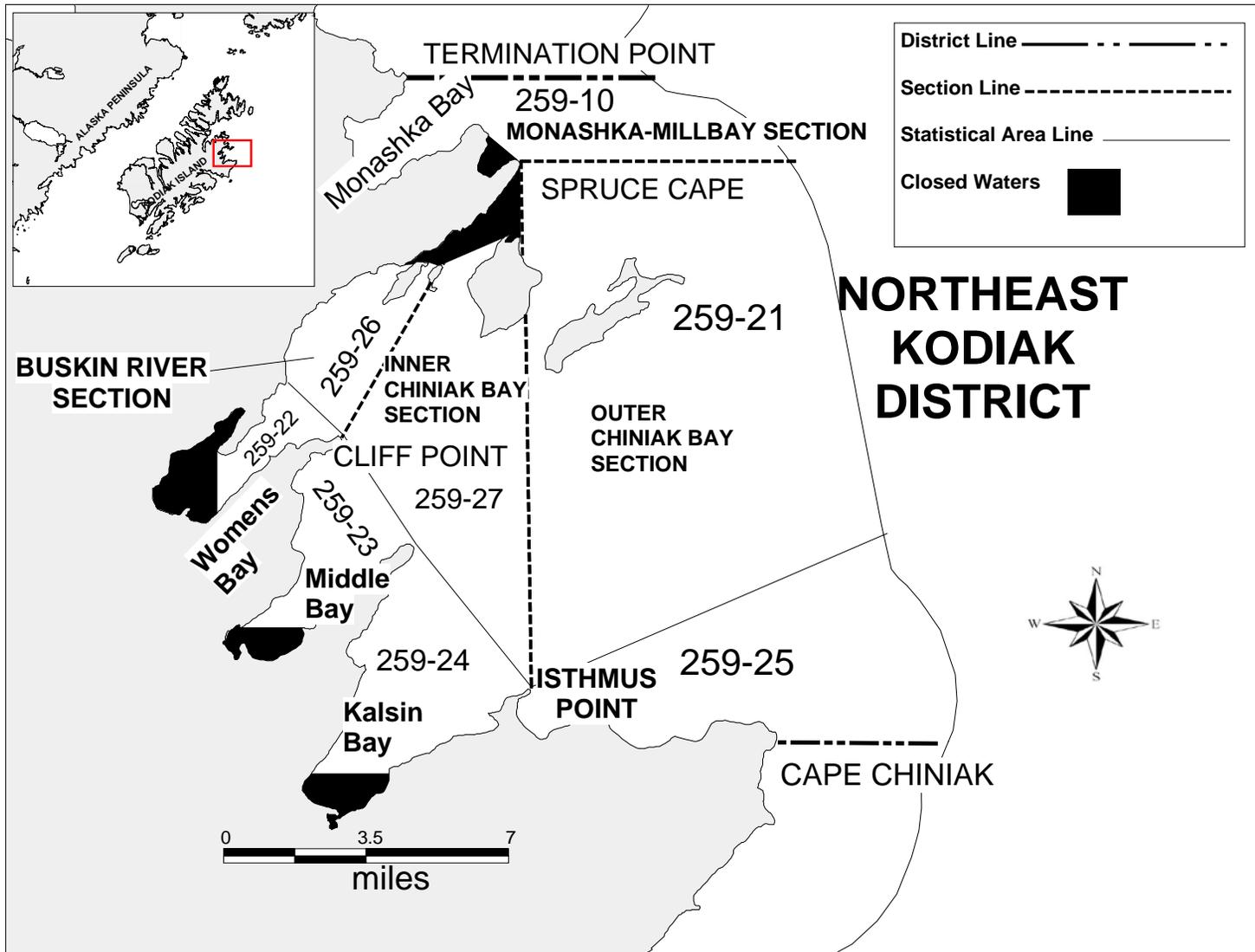
The Buskin River had a strong sockeye salmon run during the 2013 season. A total of 16,189 sockeye salmon escaped through Buskin River weir (Table 4; Fuerst *In prep*), above the escapement goal range of 5,000 to 8,000 fish (Table 3; Nemeth et al. 2010).

Generally, pink and chum salmon runs in the Eastside Kodiak fishery were very strong. As a result, the Eastside Kodiak management units (Northeast and Eastside Kodiak districts) were open all of August allowing a harvest of pink and chum salmon in excess of escapement needs in these areas. The total commercial harvest for the Eastside Kodiak management units by 128 permit holders included 8,891 Chinook; 145,496 sockeye; 83,131 coho; 7,459,490 pink; and 329,957 chum salmon (Appendix I4). The last landing from Eastside Kodiak management units occurred on September 17.

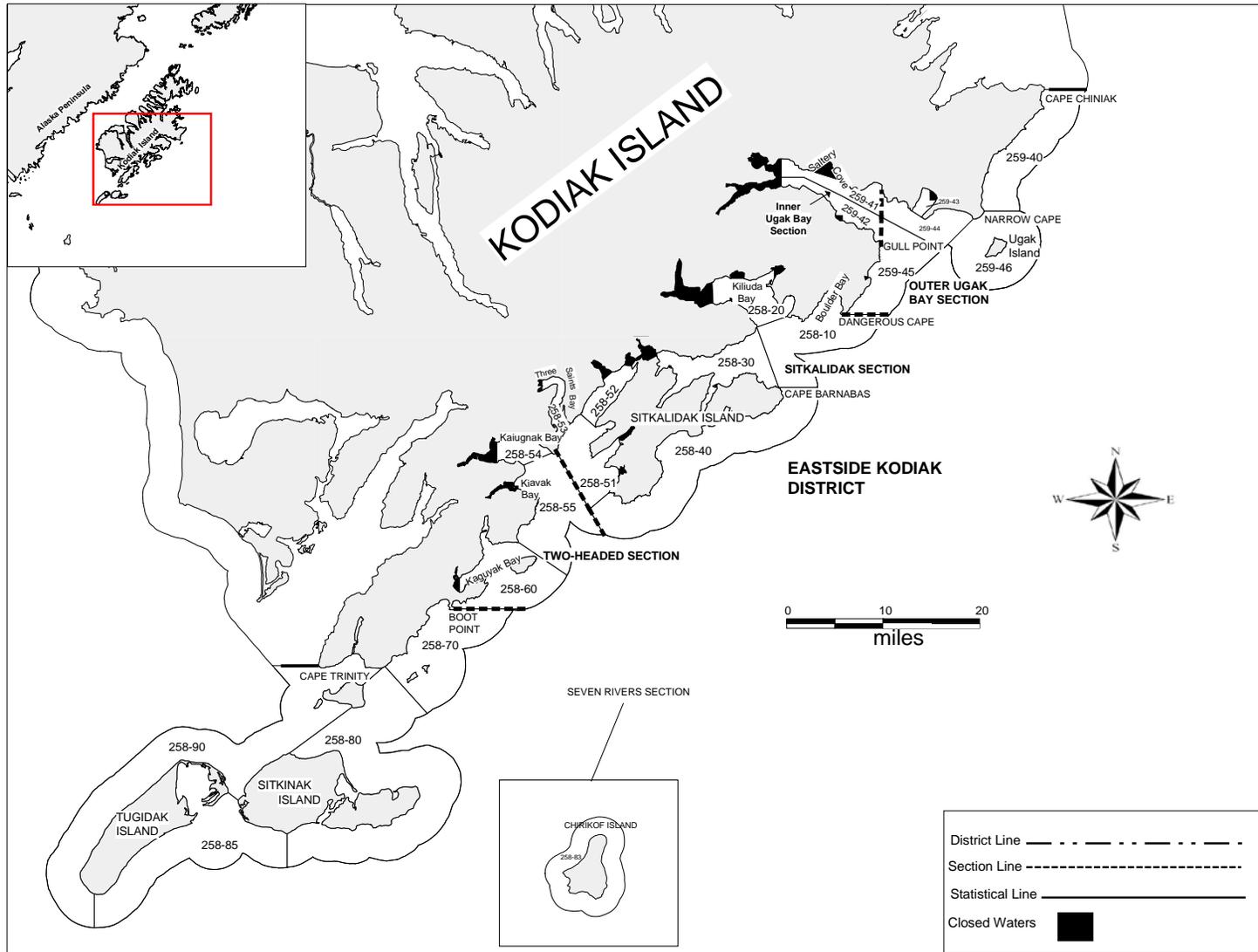
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- Nemeth, M. J., M. J. Witteveen, M. B. Foster, H. Finkle, J. W. Erickson, J. S. Schmidt, S. J. Fleischman, and D. Tracy. 2010. Review of escapement goals in 2010 for salmon stocks in the Kodiak Management Area, Alaska. Alaska Department of Fish and Game, Fishery Manuscript No. 10-09, Anchorage.
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Appendix I2.—Map of the Northeast Kodiak District commercial salmon fishing sections and statistical areas.



Appendix I3.-Map of the Eastside Kodiak District commercial salmon fishing sections and statistical areas.



Appendix I4.—Daily commercial salmon harvest, by species, for the Eastside Kodiak Management Plan units, 2013.

Management Unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Eastside Kodiak District	14-Jun	11	11	123	1,183	19,250	121,038	0	0	780	2,084	5,732	41,908
	15-Jun	5	5	17	227	4,297	23,135	0	0	201	524	1,068	6,872
	21-Jun	28	28	114	1,031	17,880	99,405	2	11	4,708	12,172	10,798	77,090
	22-Jun	9	9	60	545	4,904	28,667	0	0	644	2,132	1,704	12,261
	27-Jun	7	7	21	131	1,449	8,269	0	0	12	30	32	282
	28-Jun	6	6	24	215	1,622	8,180	0	0	3	9	36	240
	29-Jun	7	7	72	394	1,967	11,336	0	0	6	14	72	656
	30-Jun <sup>a</sup>												
	1-Jul <sup>a</sup>												
	2-Jul	3	3	33	249	1,644	7,695	1	10	12	36	173	1,115
	3-Jul <sup>a</sup>												
	4-Jul	3	3	111	876	1,506	8,179	0	0	65	192	199	1,640
	6-Jul	24	24	223	1,565	13,023	82,489	454	3,001	18,389	54,808	9,931	74,861
	7-Jul	19	19	493	2,195	5,425	29,777	316	1,905	11,687	34,986	5,410	42,045
	8-Jul	16	17	203	1,612	9,222	49,144	324	1,724	10,421	30,018	3,682	28,861
	9-Jul	6	6	111	915	2,987	16,325	61	386	2,413	6,604	942	7,145
	10-Jul	3	3	32	265	2,093	10,017	1	6	293	734	226	1,562
	11-Jul	5	5	51	549	1,745	8,746	21	139	1,267	3,316	712	4,739
	12-Jul <sup>a</sup>												
	13-Jul	17	17	1,462	11,907	9,028	60,519	1,522	11,871	84,396	245,346	17,935	154,474
	14-Jul	8	8	567	4,613	3,956	25,252	145	1,034	27,560	68,421	5,880	51,355
	15-Jul	17	17	1,699	8,899	5,783	34,297	807	5,289	49,552	154,056	6,869	58,214
	16-Jul	6	6	135	873	1,304	9,099	25	137	16,617	50,353	1,282	10,432
	17-Jul <sup>a</sup>												
	18-Jul <sup>a</sup>												
	19-Jul <sup>a</sup>												
	20-Jul	22	22	423	3,304	2,782	17,485	618	4,221	100,489	307,836	7,505	66,775
	21-Jul	12	12	333	3,115	1,392	8,941	384	2,494	60,454	174,965	6,808	54,751
	22-Jul	26	28	628	5,213	3,974	23,294	900	5,244	146,514	426,033	10,334	83,311
	23-Jul	23	25	126	982	2,103	11,509	177	1,089	121,765	358,790	8,715	65,484
	24-Jul	25	26	90	1,025	2,261	12,009	216	1,456	77,314	234,557	5,993	48,980
	25-Jul <sup>a</sup>												
	26-Jul	5	5	13	192	408	2,270	51	628	18,667	57,601	448	5,723
	27-Jul	36	37	117	776	3,797	22,474	667	5,167	247,205	764,013	7,176	62,331
	28-Jul	30	31	28	383	1,726	9,660	412	2,679	200,448	602,728	4,002	30,310
	29-Jul	39	39	126	1,166	2,512	14,533	963	7,220	253,412	757,629	5,488	41,008

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Appendix I4.–Page 2 of 4.

Management Unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Eastside Kodiak District (cont.)	30-Jul	37	39	139	1,441	2,019	12,353	694	5,162	267,758	843,818	7,333	60,305
	31-Jul	25	25	132	1,119	2,065	12,717	1,222	8,583	167,363	518,214	5,416	42,175
	1-Aug	28	32	2	28	1,029	6,316	364	2,484	178,710	541,019	6,934	51,004
	2-Aug	24	29	10	128	1,543	8,430	530	4,142	136,915	430,075	11,490	89,440
	3-Aug	21	22	14	127	598	3,863	198	1,415	135,289	425,086	6,187	50,754
	4-Aug	32	33	45	545	642	3,933	305	2,227	167,252	543,484	7,879	68,797
	5-Aug	37	37	23	309	734	4,239	453	2,899	188,602	573,135	5,450	42,786
	6-Aug	11	11	7	98	148	942	168	1,419	79,089	260,482	4,641	41,789
	7-Aug	9	9	8	111	52	315	44	373	66,548	221,488	2,349	17,887
	8-Aug	15	15	12	199	31	176	21	156	92,182	291,791	5,467	46,897
	9-Aug	13	14	25	386	175	881	218	1,679	151,490	509,852	4,111	29,252
	10-Aug	17	19	63	692	170	922	230	1,911	163,128	531,463	3,311	25,465
	11-Aug	17	20	19	323	177	927	412	2,829	176,018	605,719	4,510	35,961
	12-Aug <sup>a</sup>												
	13-Aug	12	18	103	1,110	79	471	305	2,780	98,298	317,766	3,472	27,172
	14-Aug	12	16	42	487	172	1,006	386	3,141	144,222	485,758	2,752	22,846
	15-Aug	17	26	22	283	136	674	8,280	27,161	189,386	603,459	6,519	56,748
	16-Aug	17	24	36	347	193	1,087	396	3,522	238,682	768,763	6,484	49,220
	17-Aug	18	25	32	569	390	2,097	781	5,914	276,480	819,317	6,847	53,695
	18-Aug	18	21	20	253	301	1,834	669	5,939	243,147	767,211	7,787	62,545
	19-Aug	19	22	29	332	328	1,814	13,499	44,165	218,535	728,083	5,010	40,656
	20-Aug	30	33	13	246	326	1,853	788	5,380	321,381	1,015,319	12,129	95,830
	21-Aug	26	31	1	6	127	687	7,035	23,839	256,766	806,893	6,835	56,028
	22-Aug	32	35	4	37	124	747	7,258	29,009	223,467	734,857	6,365	48,754
	23-Aug	25	25	11	86	259	1,717	625	5,194	221,354	709,400	4,115	34,928
	24-Aug	23	24	0	0	75	366	691	6,184	219,761	682,055	7,111	55,046
	25-Aug	16	17	0	0	181	934	626	4,782	123,268	391,078	5,970	43,460
	26-Aug	12	12	0	0	13	68	231	2,109	74,962	229,973	2,239	17,120
	27-Aug	9	9	0	0	116	677	7,111	24,736	102,178	314,368	5,177	40,206
	28-Aug	7	7	0	0	30	157	393	4,113	55,144	172,801	2,169	15,738
	29-Aug	6	6	0	0	93	379	1,284	7,597	50,084	174,494	2,357	15,459
	30-Aug	7	7	0	0	48	265	1,338	9,515	36,435	126,455	3,400	26,317
	31-Aug	8	8	0	0	20	124	253	2,326	33,057	107,346	1,804	15,643
	1-Sep	6	8	0	0	45	237	263	2,317	43,955	156,698	1,666	14,159
	3-Sep <sup>a</sup>												
	4-Sep	4	4	0	0	0	0	137	1,292	4,629	16,960	104	914

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Appendix I4.–Page 3 of 4.

Management Unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Eastside Kodiak District (cont.)	5-Sep												
	7-Sep	3	4	0	0	0	0	299	3,596	7,614	28,227	1,538	13,843
	8-Sep												
	9-Sep	3	3	0	0	0	0	2	22	712	2,590	190	1,882
	10-Sep	2											
	17-Sep												
Total		115	1,136	8,334	64,611	143,940	845,594	66,050	319,788	6,653,918	20,956,313	309,303	2,469,925
Average weight					7.75		5.87		4.84		3.15		7.99
Northeast Kodiak District	7-Jul <sup>a</sup>												
	8-Jul <sup>a</sup>												
	13-Jul <sup>a</sup>												
	15-Jul	3	3	322	1,469	377	2,002	192	1,223	3,809	11,975	371	2,598
	16-Jul	3	3	126	559	198	1,012	257	1,561	3,713	9,796	357	2,499
	20-Jul	4	4	5	59	31	181	7	40	29,396	80,413	47	497
	21-Jul	3	3	1	12	13	85	4	27	7,984	24,577	24	237
	22-Jul	6	7	4	73	62	323	0	0	14,263	43,238	93	773
	23-Jul	6	6	7	60	41	164	0	0	33,697	119,038	585	4,367
	24-Jul	4	4	0	0	24	157	1	5	7,448	22,566	24	221
	25-Jul <sup>a</sup>												
	27-Jul	10	10	2	37	50	294	1	7	79,518	244,362	444	3,392
	28-Jul	7	7	0	0	30	162	2	10	35,245	122,991	104	686
	29-Jul	10	12	6	142	122	677	11	72	70,929	219,502	894	6,571
	30-Jul	10	10	2	20	11	56	2	18	73,067	221,294	1,731	13,661
	31-Jul	12	12	4	57	87	460	29	181	62,443	196,754	129	1,105
	1-Aug	8	9	2	22	3	22	2	18	25,644	77,273	957	8,488
	2-Aug	5	5	0	0	2	12	1	8	19,786	68,600	954	7,686
	3-Aug	5	5	0	0	1	6	1	10	16,626	66,920	1,573	10,942
	4-Aug	9	9	12	186	3	18	2	16	37,850	117,111	2,421	18,739
	5-Aug	13	14	9	82	10	74	16	91	48,023	156,520	1,617	12,835
	6-Aug <sup>a</sup>												
	7-Aug	4	4	0	0	1	7	1	7	12,765	43,155	755	5,937
	8-Aug <sup>a</sup>												
	9-Aug	3	3	0	0	0	0	2	14	10,318	35,212	1,930	15,747
	10-Aug	8	8	2	39	7	53	47	358	56,491	187,944	1,044	8,117
	11-Aug	3	3	0	0	0	0	12	109	5,968	20,048	131	1,039

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Management Unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Northeast Kodiak District (cont.)	12-Aug	3	3	0	0	2	10	6	42	5,596	21,232	154	1,221
	14-Aug <sup>a</sup>												
	15-Aug <sup>a</sup>												
	16-Aug	3	3	0	0	10	61	74	456	14,727	46,363	77	587
	17-Aug	7	7	4	38	11	55	7,172	23,440	20,486	66,456	330	2,691
	18-Aug	3	3	0	0	0	0	10	95	7,229	23,878	120	955
	19-Aug	4	4	1	15	0	0	2,997	9,115	10,167	33,937	102	725
	20-Aug <sup>a</sup>												
	21-Aug	4	5	0	0	1	6	37	223	15,963	59,460	294	1,797
	22-Aug	4	4	2	37	18	86	3,851	13,966	11,833	44,864	18	118
	23-Aug	7	7	2	32	0	0	95	680	9,833	37,736	111	652
	24-Aug <sup>a</sup>												
	26-Aug <sup>a</sup>												
	27-Aug <sup>a</sup>												
	28-Aug <sup>a</sup>												
	5-Sep <sup>a</sup>												
<b>Total</b>		50	197	557	3,147	1,556	8,419	17,081	60,510	805,572	2,619,685	20,654	160,014
<b>Average weight</b>					5.65		5.41		3.54		3.25		7.75
<b>Eastside Management Plan</b>													
<b>Total</b>		128	1,329	8,891	67,758	145,496	854,013	83,131	380,298	7,459,490	23,575,998	329,957	2,629,939
<b>Average weight</b>					7.62		5.87		4.57		3.16		7.97

<sup>a</sup> Confidential.



**APPENDIX J. NORTH AFOGNAK/SHUYAK ISLAND FISHERY  
SUMMARY**

## INTRODUCTION

In November of 1995, the Board of Fisheries adopted the *North Afognak/Shuyak Island Salmon Management Plan* into regulation (5 AAC 18.368). This plan governs all commercial salmon fisheries on the north end of the Kodiak Archipelago. Though no comprehensive regulatory management plan was in effect prior to that date, the commercial fisheries of the area had followed a framework developed by fishery managers beginning in the early 1970s, with the harvest strategy remaining basically unchanged after 1987. The goal of this plan is to achieve escapement and harvest objectives for sockeye, pink, and coho salmon returning to spawning systems located in the Northeast Afognak, Perenosa Bay, Pauls Bay, Shuyak Island, and Northwest Afognak sections of the Afognak District (Appendix J2). This plan details the key species and targeted stocks that are managed in each of these sections throughout the fishing season. This plan was first in effect during the 1996 season and was most recently modified in January of 2005.

For the Northeast Afognak and Shuyak Island sections, commercial salmon fishing was to remain closed until July 6 when the general pink salmon fishery began for most of the Kodiak Management Area (KMA). Fishing opportunities in the Northeast Afognak Section were based on the abundance of local and migrating pink salmon through August 24; local pink and coho salmon from August 25 through September 5; and on local coho salmon after September 5. Fishing opportunities in the Shuyak Island Section were to be based on the abundance of local and mixed pink salmon through August 1, then on local coho salmon through the end of the season. From July 6 through July 25 the Shuyak Island Section was also managed in accordance with the *North Shelikof Strait Sockeye Salmon Management Plan* (5 AAC 18.363).

For the Perenosa Bay Section, from June 1 through July 5, fishing opportunities were based on sockeye salmon returning to the Pauls Bay and Portage Lake systems. Additional fishing time could be allowed to harvest enhanced sockeye salmon bound for the Little Waterfall system, but only inside the Waterfall Bay Special Harvest Area (WBSHA). From July 6 through July 20, management for the Perenosa Bay Section was based on local and migrating Kodiak pink salmon, and sockeye salmon migrating to Pauls and Portage lakes. From July 21 through August 20, management was based on the abundance of local and migrating pink salmon; from August 21 through September 5, on local pink and coho salmon; and after September 5, on the abundance of local coho salmon.

For the Northwest Afognak Section, from June 1 through July 5, fishing opportunities were based on sockeye salmon bound to the minor systems at Thorsheim Lake and Long Lagoon, though there could be no more than two 33-hour fishing periods. Additional fishing time could be allowed to harvest enhanced sockeye salmon bound for the Hidden Lake system, but only in the Foul Bay Special Harvest Area (FBSHA). From July 6 through August 24, management was based on the abundance of local and mixed pink salmon; and after August 24, fishing periods were based on the abundance of local coho salmon. Additional fishing time may be allowed to harvest enhanced coho salmon bound for the Hidden Lake System, but again only in the FBSHA. From July 6 through July 25 the Northwest Afognak Section was also managed in accordance with

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the North Shelikof Strait Sockeye Salmon Management Plan (5 AAC 18.363). For the Pauls Bay Section, from June 1 through July 5, fishing opportunities were based on sockeye salmon returning to Pauls Lake. From July 6 through August 1, management of the Pauls Bay Section was based on local and mixed pink and sockeye salmon bound for Pauls Lake. After August 1, management was based on the abundance of local coho salmon.

### **2013 North Afognak/Shuyak Island Fisheries**

In 2013, the first commercial salmon fishing period for the North Afognak/Shuyak Island management units began June 7, and was limited initially to the FBSHA and the WBSHA. The 2013 sockeye salmon harvest in FBSHA was the smallest since 2009. There were seven permit holders that harvested 3 Chinook; 9,201 sockeye; 30 pink; and 38 chum salmon. (Appendix J3). The WBSHA also had a below average return of sockeye salmon, and seven permit holders harvested 9 Chinook; 7,273 sockeye; 393 coho; 9,097 pink; and 72 chum salmon (Appendix J3).

The Pauls Bay Section opened on June 14 and June 21 for two 33-hour periods in order to test the strength of the sockeye salmon run. (Appendix J3). The Pauls Bay Section opened along with most other areas in the KMA to allow the harvest of pink salmon on July 6 for 57 hours, and there were three 81-hour fishing periods beginning on July 13, July 20, and July 27 respectively. There was also one 78-hour fishing periods beginning on August 25. After the August 25 fishing period, it was determined that the coho run was weak and no fishing opportunity was permitted for the remainder of the season. Effort was below average in the Pauls Bay Section when compared to previous years with seven permit holders harvesting 4 Chinook; 4,979 sockeye; 5 pink; and 60 chum salmon (Appendix J3).

Despite ample opportunity, no commercial salmon harvest took place in the Shuyak Island section for the third year in a row (2011–2013). The last landing in the North Afognak/Shuyak Island management units occurred on August 30. In all the units of the North Afognak/Shuyak Island fishery combined, 39 permit holders harvested 89 Chinook; 34,448 sockeye; 8,348 coho; 791,524 pink; and 3,251 chum salmon in 146 landings during 2013 (Appendix J3).

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Appendix J3.—Daily salmon harvest, by species, for the North Afognak/Shuyak Island management units, 2013.

Management Unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Northeast Afognak Section	13-Jul <sup>a</sup>												
	14-Jul <sup>a</sup>												
	28-Jul <sup>a</sup>												
	3-Aug	3	4	0	0	429	2,837	678	6,054	28,777	105,112	220	1,616
	4-Aug <sup>a</sup>												
	5-Aug <sup>a</sup>												
	6-Aug <sup>a</sup>												
	8-Aug <sup>a</sup>												
	9-Aug <sup>a</sup>												
	10-Aug <sup>a</sup>												
	11-Aug	3	3	0	0	45	253	199	1,422	18,700	62,695	69	419
	12-Aug	3	3	2	13	147	800	458	3,437	22,108	65,975	76	489
	13-Aug <sup>a</sup>												
	14-Aug <sup>a</sup>												
	15-Aug <sup>a</sup>												
	16-Aug <sup>a</sup>												
	17-Aug	3	3	0	0	170	842	329	2,729	46,905	161,366	23	199
	18-Aug	3	3	3	12	601	3,291	513	4,005	44,012	140,840	66	506
	19-Aug	4	4	2	6	254	1,128	449	3,044	31,047	101,265	65	487
	20-Aug	4	4	0	0	162	859	491	3,868	28,167	88,685	63	461
21-Aug	5	5	0	0	84	463	375	3,034	24,319	79,710	28	214	
22-Aug <sup>a</sup>													
23-Aug <sup>a</sup>													
28-Aug	6	6	0	0	40	255	301	3,066	24,437	97,753	0	0	
30-Aug <sup>a</sup>													
Total		23	59	67	298	3,615	19,810	6,253	48,740	508,606	1,627,675	1,448	10,336
Average weight					4.45		5.48		7.79		3.20		7.14
Northwest Afognak Section (excluding Foul Bay SHA)	14-Jun	4	4	1	16	5,325	26,144	0	0	0	0	76	516
	15-Jun	2	2	3	43	569	3,178	0	0	0	0	16	135
	21-Jun	1	1	0	0	724	3,260	0	0	0	0	0	0
	7-Jul	4	4	0	0	1,266	6,700	0	0	746	1,939	306	2,447
	8-Jul	1	1	0	0	633	3,390	0	0	1,015	3,150	67	460

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Appendix J3.—Page 2 of 3.

Management Unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Northwest Afognak Section (excluding Foul Bay SHA) (cont.)	4-Aug <sup>a</sup>												
	7-Aug <sup>a</sup>												
	8-Aug <sup>a</sup>												
	9-Aug <sup>a</sup>												
	10-Aug <sup>a</sup>												
	11-Aug	3	3	0	0	68	475	117	937	25,612	76,837	111	891
	13-Aug	3	3	0	0	27	188	87	523	17,235	51,710	227	1,812
	16-Aug <sup>a</sup>												
	17-Aug <sup>a</sup>												
	18-Aug <sup>a</sup>												
	19-Aug <sup>a</sup>												
	20-Aug <sup>a</sup>												
	21-Aug <sup>a</sup>												
Total		15	38	6	83	9,270	47,253	1,502	13,318	261,125	739,496	1,573	12,214
Average weight					13.83		5.10		8.87		2.83		7.76
Foul Bay Special Harvest Area	7-Jun	5	5	0	0	2,481	12,355	0	0	0	0	0	0
	8-Jun <sup>a</sup>												
	9-Jun	3	3	1	5	1,466	7,103	0	0	0	0	0	0
	11-Jun <sup>a</sup>												
	13-Jun <sup>a</sup>												
	14-Jun <sup>a</sup>												
	15-Jun <sup>a</sup>												
	17-Jun <sup>a</sup>												
	21-Jun <sup>a</sup>												
	23-Jun <sup>a</sup>												
27-Jun <sup>a</sup>													
2-Jul <sup>a</sup>													
Total		7	20	3	12	9,201	44,629	0	0	30	78	38	356
Average weight					4.00		4.85		0.00		2.60		9.37

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Management				Chinook		Sockeye		Coho		Pink		Chum	
Unit	Date	Permits	Landings	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Pauls Bay Section	14-Jun	4	4	2	59	657	2,928	0	0	0	0	1	9
	21-Jun	3	3	2	27	2,740	13,959	0	0	5	14	50	316
	22-Jun <sup>a</sup>												
Total		7	9	4	86	4,979	24,977	0	0	5	14	60	386
Average weight					21.50		5.02		0.00		2.80		6.43
Perenos Bay Section (Excluding Waterfall Bay)		6-Aug <sup>a</sup>											
Total													
Average weight					0.00		5.82		10.01		2.75		8.85
Waterfall Bay Special Harvest Area	7-Jun	3	3	0	0	414	2,167	0	0	0	0	0	0
	8-Jun	3	3	0	0	1,010	4,884	0	0	0	0	0	0
	9-Jun	2	2	0	0	1,182	5,418	0	0	0	0	0	0
	12-Jun	1	1	0	0	631	2,900	0	0	0	0	0	0
	13-Jun	1	1	0	0	1,060	4,774	0	0	0	0	0	0
	14-Jun	2	2	0	0	406	1,823	0	0	0	0	0	0
	15-Jun	2	2	7	77	1,093	4,957	0	0	0	0	2	15
	16-Jun	2	3	2	12	900	4,099	0	0	0	0	0	0
	18-Jun	1	1	0	0	128	582	0	0	0	0	18	119
	19-Jun	1	1	0	0	148	727	0	0	0	0	0	0
	25-Jun	1	1	0	0	241	1,208	0	0	0	0	0	0
	5-Aug	2	2	0	0	60	420	293	1,974	8,097	24,291	52	410
	21-Aug	1	1	0	0	0	0	100	1,005	1,000	3,006	0	0
	Total		7	23	9	89	7,273	33,959	393	2,979	9,097	27,297	72
Average weight					9.89		4.67		7.58		3.00		7.56
Shuyak Island Section													
Total		0	0	0	0	0	0	0	0	0	0	0	0
Average weight													
Grand Total		39	146	89	568	34,448	171,268	8,348	67,038	791,524	2,429,380	3,251	24,367
Average weight					6.38		4.97		8.03		3.07		7.50

<sup>a</sup> Confidential information.



**APPENDIX K. MAINLAND DISTRICT FISHERY  
SUMMARY**

## INTRODUCTION

The Mainland District in the Kodiak Management Area (KMA; Appendix K2) is covered under three separate regulatory management plans, two of which are strictly allocative plans allowing the harvest of sockeye salmon considered to be nonlocal. The *Cape Igvak Salmon Management Plan* (CISMP; 5 AAC 18.360) covers the southernmost sections of the Mainland District from June 5 through July 25 and limits the harvest of sockeye salmon considered by regulation to be Chignik bound. The *North Shelikof Strait Sockeye Salmon Management Plan* (NSSSSMP; 5 AAC 18.363) covers the northernmost sections of the Mainland District and, from July 6 through July 25, limits the harvest of sockeye salmon due to concern for interception of Cook Inlet-bound fish. The *Mainland District Salmon Management Plan* (MDSMP), while recognizing these other plans, sets forth the key species and targeted stocks that are managed for in each section throughout the entire fishing season (5 AAC 18.369).

The MDSMP provides that commercial salmon fisheries in the majority of the Mainland District remains closed until July 6, when the general pink salmon fishery begins for most of the KMA. The exceptions are the Cape Igvak Section (managed based on the strength of the Chignik sockeye salmon run through July 25) and two very limited (33-hour) fishing periods in June targeting local sockeye salmon runs (Swikshak River sockeye salmon in the Big River Section, and Kafia Lake sockeye salmon in the Outer Kukak Section; Appendix K2). From July 6 through July 25, weekly fishing periods could not exceed 57 hours and fishing opportunities were to be based on the abundance of local and mixed stocks of pink and chum salmon, except in the Wide Bay Section, which remains closed. From July 25 through the end of the season, fishing periods are based on the abundance of local pink, chum and coho salmon.

### 2013 Mainland District Fisheries

There were two 33-hour fishing periods beginning on June 14 and June 21 in the Big River and Outer Kukak Bay sections to allow harvest of Kafia and Swikshak systems sockeye salmon. During the pink salmon season through July 25, the entire Mainland District (with the exception of Wide Bay remaining closed; and Cape Igvak open from July 17 through July 25) was opened for three 57-hour fishing periods between July 6 and July 22 (with some sections under the NSSSSMP).

Pink and chum salmon runs were weak throughout most of the Mainland District. There was only one 105-hour fishing period in the Mainland District during August. Despite the fishing period in August, there was no effort or harvest during August in the Mainland District. The estimated pink salmon escapement of 620,680 fish (Table 3) was within the escapement goal range of 250,000 to 1,000,000 fish (Nemeth et al. 2010). There were no fishing periods in the Mainland District during the month of September (Appendix K3).

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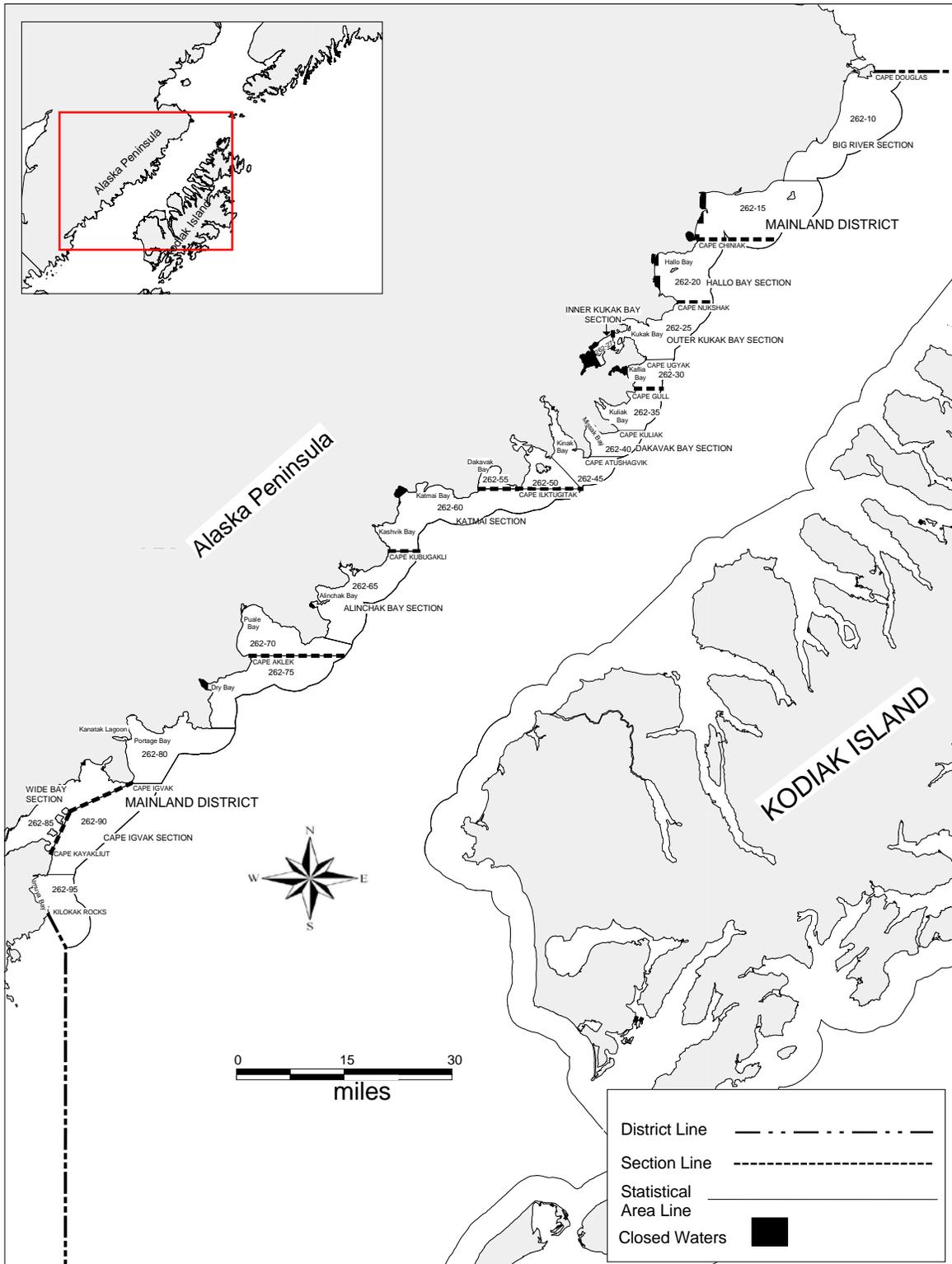
During 2013, the total commercial harvest by 81 permit holders in the Mainland District included 392 Chinook; 439,770 sockeye; 11,571 coho; 204,611 pink; and 83,366 chum salmon (Appendix K3). This includes all salmon harvested along the Mainland District, including those harvested under the direction of the CISMP and the NSSSSMP.

### **REFERENCES CITED**

Nemeth, M. J., M. J. Witteveen, M. B. Foster, H. Finkle, J. W. Erickson, J. S. Schmidt, S. J. Fleischman, and D. Tracy. 2010. Review of escapement goals in 2010 for salmon stocks in the Kodiak Management Area, Alaska. Alaska Department of Fish and Game, Fishery Manuscript No. 10-09, Anchorage.

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Appendix K2.—Map of the Mainland District commercial salmon fishing sections and statistical areas.



Appendix K3.—Daily commercial salmon harvest, by species, for the Mainland District Management Plan units, 2013.

Management Unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Big River Section	19-Jun <sup>a</sup>												
Total		<sup>a</sup>											
Average weight													
Hallo Bay Section		0	0	0	0	0	0	0	0	0	0	0	0
Total		0	0	0	0	0	0	0	0	0	0	0	0
Outer Kukak Bay Section		0	0	0	0	0	0	0	0	0	0	0	0
Total		0	0	0	0	0	0	0	0	0	0	0	0
Inner Kukak Bay Section		0	0	0	0	0	0	0	0	0	0	0	0
Total		0	0	0	0	0	0	0	0	0	0	0	0
Dakavak Bay Section	6-Jul	6	6	90	588	1,284	7,873	3	18	4,092	7,496	2,067	19,760
	7-Jul <sup>a</sup>												
	13-Jul	4	4	134	696	4,662	27,104	198	1,136	2,152	5,628	1,067	9,094
	15-Jul	3	3	77	583	5,591	18,923	111	666	3,805	12,018	776	6,952
Total		12	15	427	3,106	13,666	65,043	387	2,311	12,385	33,494	5,885	50,240
Average weight					7.27		4.76		5.97		2.70		8.54
Katmai Section	6-Jul <sup>a</sup>												
	13-Jul	9	9	453	3,811	11,522	71,827	434	2,597	6,320	17,232	2,326	18,572
	14-Jul <sup>a</sup>												
	15-Jul	8	8	224	1,328	4,607	25,509	301	1,720	1,976	6,436	1,272	9,032
Total		11	20	682	5,181	16,659	100,748	793	4,680	8,787	24,981	4,091	31,867
Average weight					7.60		6.05		5.90		2.84		7.79

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Appendix K3.–Page 2 of 3.

Management Unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Alinchak	6-Jul	3	3	260	2,331	5,379	31,217	25	152	4,958	10,287	2,806	27,309
Bay Section	7-Jul	3	3	147	639	1,662	9,987	0	0	800	2,402	952	8,579
	8-Jul <sup>a</sup>												
	9-Jul <sup>a</sup>												
	13-Jul <sup>a</sup>												
	14-Jul	3	3	708	4,357	3,586	21,608	100	615	3,099	10,295	1,625	11,239
	15-Jul	4	4	476	2,848	1,407	8,461	45	284	1,293	4,057	1,031	7,282
Total		8	18	2,184	13,760	15,217	93,411	343	2,238	13,491	33,216	8,604	76,375
Average weight					6.30		6.14		6.52		2.46		8.88
Cape Igvak Section	8-Jun	35	35	104	1,172	21,623	151,784	0	0	632	4,075	1,677	12,167
	9-Jun	26	26	93	1,319	25,804	175,027	0	0	146	408	1,189	8,658
	10-Jun	34	34	96	1,406	44,922	312,810	0	0	199	545	1,700	14,071
	17-Jun	64	67	470	4,494	131,537	847,573	0	0	2,103	5,720	9,649	79,307
	18-Jun	57	59	298	2,915	71,675	472,523	0	0	1,781	5,124	6,912	55,039
	9-Jul	15	15	797	4,238	12,430	78,150	357	2,089	7,928	22,547	4,839	43,702
	10-Jul	21	22	454	3,606	18,437	113,273	621	3,577	11,305	27,456	6,614	50,933
	17-Jul	21	21	508	4,758	14,033	93,486	1,992	13,466	19,819	62,991	5,860	49,720
	18-Jul	7	7	115	923	4,233	25,756	447	2,705	4,309	16,735	1,836	14,134
	19-Jul	15	15	416	2,844	10,787	72,762	1,090	7,940	11,955	32,801	3,602	29,082
	20-Jul	8	8	371	2,872	12,319	76,911	1,549	11,331	18,002	56,310	4,692	34,599
	21-Jul	6	6	328	2,617	4,945	33,756	724	5,596	14,053	41,117	2,786	25,757
	22-Jul	5	5	181	1,710	6,222	40,128	885	6,362	20,210	52,518	2,782	25,347
	23-Jul	7	8	144	1,294	6,180	40,207	828	5,929	21,838	66,220	3,510	27,193
	24-Jul	9	10	232	1,703	5,462	34,066	1,009	7,197	25,686	78,080	4,640	35,236
	25-Jul	6	6	76	821	2,923	17,366	546	4,028	9,951	35,627	2,331	17,108
Total		78	344	4,683	38,692	393,532	2,585,578	10,048	70,220	169,917	508,274	64,619	522,053
Average weight					8.26		6.57		6.99		2.99		8.08

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Management Unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Wide Bay Section		0	0	0	0	0	0	0	0	0	0	0	0
Total		0	0	0	0	0	0	0	0	0	0	0	0
Mainland District Total													
Total		81	392	8,018	60,999	439,770	2,849,257	11,571	79,449	204,611	600,073	83,366	681,858
Average weight					7.61		6.48		6.87		2.93		8.18

<sup>a</sup> Confidential information.



## **APPENDIX L. AREAWIDE HARVEST TABLES**

Appendix L1.–Commercial salmon harvest, by management unit and statistical week, all gear combined, in the Kodiak Management Area, 2013.

Section (Stat Area)	Statistical Week	Week Ends	Chinook			Sockeye			Coho			Pink			Chum		
			No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.
S.W. Afognak & Raspberry Straits (251-10, 11, 12, 20)	24	15-Jun	174	831	4.8	6,263	31,407	5.0	0	0	0.0	34	80	2.4	388	3,258	8.4
	25	22-Jun	110	581	5.3	5,113	26,142	5.1	0	0	0.0	74	178	2.4	474	3,408	7.2
	26	29-Jun	156	1,232	7.9	15,576	90,645	5.8	2	13	6.5	4,711	12,815	2.7	3,096	28,863	9.3
	27	6-Jul	203	1,395	6.9	34,295	202,314	5.9	46	349	7.6	21,817	54,927	2.5	7,760	68,379	8.8
	28	13-Jul	142	889	6.3	5,806	31,049	5.3	50	282	5.6	7,435	22,263	3.0	2,886	20,657	7.2
	29	20-Jul	82	619	7.5	5,243	30,408	5.8	232	1,461	6.3	40,479	124,737	3.1	2,083	16,538	7.9
	30	27-Jul	167	1,248	7.5	8,041	45,547	5.7	665	4,298	6.5	97,652	309,949	3.2	2,743	23,011	8.4
	31	3-Aug	15	140	9.3	5,006	26,321	5.3	491	3,417	7.0	83,652	258,544	3.1	1,008	8,104	8.0
	32	10-Aug	19	163	8.6	1,234	7,862	6.4	706	5,873	8.3	157,748	481,862	3.1	1,098	8,128	7.4
	33	17-Aug	17	114	6.7	2,429	15,284	6.3	2,883	17,151	5.9	244,274	744,687	3.0	1,166	8,643	7.4
	34	24-Aug	5	43	8.6	3,435	20,512	6.0	2,665	20,159	7.6	80,021	251,331	3.1	272	2,098	7.7
	35	31-Aug	0	0	0.0	2,368	11,923	5.0	2,479	25,063	10.1	34,483	116,331	3.4	234	1,347	5.8
	36	7-Sep	4	46	11.5	794	3,892	4.9	1,383	13,658	9.9	5,638	20,828	3.7	31	183	5.9
	<b>Total</b>			<b>1,094</b>	<b>7,301</b>	<b>6.7</b>	<b>95,603</b>	<b>543,306</b>	<b>5.7</b>	<b>11,602</b>	<b>91,724</b>	<b>7.9</b>	<b>778,018</b>	<b>2,398,532</b>	<b>3.1</b>	<b>23,239</b>	<b>192,617</b>
N.W. Afognak (251-30, 40, 41, 50)	23	8-Jun	0	0	0.0	3,136	15,855	5.1	0	0	0.0	0	0	0.0	0	0	0.0
	24	15-Jun	5	64	12.8	10,014	48,960	4.9	0	0	0.0	0	0	0.0	92	651	7.1
	25	22-Jun	0	0	0.0	1,952	8,786	4.5	0	0	0.0	0	0	0.0	2	19	9.5
	26	29-Jun	2	7	3.5	461	2,198	4.8	0	0	0.0	30	78	2.6	36	337	9.4
	27	6-Jul	0	0	0.0	256	1,412	5.5	0	0	0.0	0	0	0.0	0	0	0.0
	28	13-Jul	0	0	0.0	1,899	10,090	5.3	0	0	0.0	1,761	5,089	2.9	373	2,907	7.8
	32	10-Aug	1	18	18.0	410	2,541	6.2	547	4,611	8.4	149,094	403,002	2.7	738	5,716	7.7
	33	17-Aug	1	6	6.0	155	962	6.2	394	3,319	8.4	63,947	191,928	3.0	345	2,763	8.0
	34	24-Aug	0	0	0.0	188	1,078	5.7	561	5,388	9.6	46,323	139,477	3.0	25	177	7.1
	<b>Total</b>			<b>9</b>	<b>95</b>	<b>10.6</b>	<b>18,471</b>	<b>91,882</b>	<b>5.0</b>	<b>1,502</b>	<b>13,318</b>	<b>8.9</b>	<b>261,155</b>	<b>739,574</b>	<b>2.8</b>	<b>1,611</b>	<b>12,570</b>
Perenos Bay (251-82, 83, 84, 85)	23	8-Jun	0	0	0.0	1,424	7,051	5.0	0	0	0.0	0	0	0.0	0	0	0.0
	24	15-Jun	9	136	15.1	5,029	22,800	4.5	0	0	0.0	0	0	0.0	3	24	8.0
	25	22-Jun	4	39	9.8	5,498	27,457	5.0	0	0	0.0	5	14	2.8	77	496	6.4
	26	29-Jun	0	0	0.0	241	1,208	5.0	0	0	0.0	0	0	0.0	0	0	0.0
	32	10-Aug	0	0	0.0	170	1,060	6.2	493	3,975	8.1	20,758	59,111	2.8	112	941	8.4
	34	24-Aug	0	0	0.0	0	0	0.0	100	1,005	10.1	1,000	3,006	3.0	0	0	0.0
<b>Total</b>			<b>13</b>	<b>175</b>	<b>13.5</b>	<b>12,362</b>	<b>59,576</b>	<b>4.8</b>	<b>593</b>	<b>4,980</b>	<b>8.4</b>	<b>21,763</b>	<b>62,131</b>	<b>2.9</b>	<b>192</b>	<b>1,461</b>	<b>7.6</b>
N.E. Afognak (251-90, 252-10 & 20)	28	13-Jul	13	30	2.3	88	494	5.6	39	219	5.6	589	2,003	3.4	160	1,009	6.3
	29	20-Jul	24	121	5.0	102	608	6.0	0	0	0.0	741	2,373	3.2	178	1,154	6.5
	31	3-Aug	0	0	0.0	434	2,870	6.6	704	6,211	8.8	29,953	108,052	3.6	223	1,647	7.4
	32	10-Aug	1	8	8.0	384	2,370	6.2	1,175	7,971	6.8	89,112	259,976	2.9	278	2,292	8.2
	33	17-Aug	24	121	5.0	689	3,592	5.2	1,966	15,101	7.7	223,951	706,562	3.2	369	2,471	6.7
	34	24-Aug	5	18	3.6	1,129	5,879	5.2	1,896	14,400	7.6	135,684	438,538	3.2	233	1,714	7.4
	35	31-Aug	0	0	0.0	789	3,997	5.1	473	4,838	10.2	28,576	110,171	3.9	7	49	7.0
<b>Total</b>			<b>67</b>	<b>298</b>	<b>4.4</b>	<b>3,615</b>	<b>19,810</b>	<b>5.5</b>	<b>6,253</b>	<b>48,740</b>	<b>7.8</b>	<b>508,606</b>	<b>1,627,675</b>	<b>3.2</b>	<b>1,448</b>	<b>10,336</b>	<b>7.1</b>

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Section (Stat Area)	Statistical Week	Week Ends	Chinook			Sockeye			Coho			Pink			Chum			
			No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.	
Izhut (252-30)	24	15-Jun	17	137	8.1	147	770	5.2	0	0	0.0	1	2	2	363	2,666	7.3	
	25	22-Jun	179	1,339	7.5	4,737	25,659	5.4	1	7	7.0	800	1,891	2	5,178	39,422	7.6	
	26	29-Jun	26	229	8.8	2,763	13,485	4.9	2	21	10.5	372	1,058	3	7,515	60,153	8.0	
	29	20-Jul	11	59	5.4	1,567	7,798	5.0	32	183	5.7	2,122	7,039	3	315	2,260	7.2	
	30	27-Jul	2	11	5.5	518	3,305	6.4	16	108	6.8	2,892	9,683	3	187	1,352	7.2	
	31	3-Aug	0	0	0.0	112	450	4.0	18	108	6.0	10,994	21,989	2	0	0	0.0	
	32	10-Aug	6	56	9.3	548	2,914	5.3	1,100	7,895	7.2	915,079	2,957,939	3	515	3,668	7.1	
	33	17-Aug	2	15	7.5	1,107	5,527	5.0	11,120	49,871	4.5	1,906,480	6,071,207	3	928	6,182	6.7	
	34	24-Aug	0	0	0.0	543	2,811	5.2	4,375	33,388	7.6	1,163,853	3,612,706	3	383	2,453	6.4	
	35	31-Aug	2	52	26.0	516	2,708	5.2	5,092	41,080	8.1	545,752	1,797,527	3	148	906	6.1	
	36	7-Sep	0	0	0.0	59	281	4.8	1,393	10,899	7.8	99,412	305,024	3	3	10	3.3	
		<b>Total</b>		<b>245</b>	<b>1,898</b>	<b>7.7</b>	<b>12,617</b>	<b>65,708</b>	<b>5.2</b>	<b>23,149</b>	<b>143,560</b>	<b>6.2</b>	<b>4,647,757</b>	<b>14,786,065</b>	<b>3.2</b>	<b>15,535</b>	<b>119,072</b>	<b>7.7</b>
	Kitoi Bay (252-32)	24	15-Jun	17	149	8.8	129	600	4.7	0	0	0.0	1	2	2.0	394	2,530	6.4
25		22-Jun	153	1,230	8.0	4,006	19,504	4.9	0	0	0.0	71	199	2.8	10,003	67,178	6.7	
26		29-Jun	0	0	0.0	3,480	17,039	4.9	0	0	0.0	83	259	3.1	12,283	83,565	6.8	
31		3-Aug	0	0	0.0	2,856	12,114	4.2	0	0	0.0	198,333	551,623	2.8	581	3,315	5.7	
32		10-Aug	1	6	6.0	948	4,275	4.5	402	2,756	6.9	1,519,144	4,606,421	3.0	148	1,056	7.1	
33		17-Aug	0	0	0.0	835	3,199	3.8	194	1,526	7.9	358,126	1,036,306	2.9	4	26	6.5	
34		24-Aug	0	0	0.0	0	0	0.0	0	0	0.0	501,036	1,647,842	3.3	0	0	0.0	
35		31-Aug	0	0	0.0	0	0	0.0	32	271	8.5	10,537	33,878	3.2	0	0	0.0	
		<b>Total</b>		<b>171</b>	<b>1,385</b>	<b>8.1</b>	<b>12,254</b>	<b>56,731</b>	<b>4.6</b>	<b>628</b>	<b>4,553</b>	<b>7.3</b>	<b>2,587,331</b>	<b>7,876,530</b>	<b>3.0</b>	<b>23,413</b>	<b>157,670</b>	<b>6.7</b>
Duck Bay (252-31 & 35)		23	8-Jun	21	197	9.4	865	4,419	5.1	0	0	0.0	0	0	0.0	625	4,723	7.6
	24	15-Jun	558	4,536	8.1	8,624	41,526	4.8	0	0	0.0	898	2,065	2.3	2,480	15,837	6.4	
	25	22-Jun	1,815	12,943	7.1	10,772	56,794	5.3	0	0	0.0	1,068	3,034	2.8	7,231	47,395	6.6	
	26	29-Jun	134	921	6.9	12,140	58,080	4.8	7	37	5.3	2,339	6,570	2.8	15,438	111,581	7.2	
	27	6-Jul	188	1,389	7.4	16,792	84,155	5.0	255	1,466	5.7	6,335	17,050	2.7	11,398	78,987	6.9	
	28	13-Jul	189	1,229	6.5	9,859	50,616	5.1	492	2,947	6.0	14,086	40,316	2.9	6,464	46,162	7.1	
	29	20-Jul	234	1,371	5.9	7,387	37,530	5.1	801	5,025	6.3	28,134	81,181	2.9	3,597	25,012	7.0	
	30	27-Jul	24	165	6.9	3,958	20,423	5.2	1,158	8,315	7.2	104,295	300,106	2.9	1,619	12,745	7.9	
	31	3-Aug	19	224	11.8	1,200	6,574	5.5	539	4,039	7.5	100,026	277,801	2.8	436	3,031	7.0	
	32	10-Aug	9	135	15.0	1,023	5,608	5.5	2,202	17,305	7.9	707,654	2,151,309	3.0	942	7,190	7.6	
	33	17-Aug	13	169	13.0	9,377	28,094	3.0	6,797	49,012	7.2	1,860,721	5,933,199	3.2	568	3,771	6.6	
	34	24-Aug	1	8	8.0	708	3,673	5.2	3,297	23,369	7.1	582,242	1,869,464	3.2	345	2,272	6.6	
	35	31-Aug	2	38	19.0	1,982	11,151	5.6	12,833	100,364	7.8	1,084,336	3,496,188	3.2	6,047	19,514	3.2	
	36	7-Sep	0	0	0.0	148	501	3.4	556	5,044	9.1	31,407	103,366	3.3	4	30	7.5	
	<b>Total</b>		<b>3,207</b>	<b>23,325</b>	<b>7.3</b>	<b>84,835</b>	<b>409,144</b>	<b>4.8</b>	<b>28,937</b>	<b>216,923</b>	<b>7.5</b>	<b>4,523,541</b>	<b>14,281,649</b>	<b>3.2</b>	<b>57,194</b>	<b>378,250</b>	<b>6.6</b>	

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Appendix L1.–Page 3 of 8.

Section (Stat Area)	Statistical Week	Week Ends	Chinook			Sockeye			Coho			Pink			Chum		
			No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.
S.E. Afognak (252-33 & 34)	23	8-Jun	4	19	4.8	1,265	5,723	4.5	0	0	0.0	0	0	0.0	0	0	0.0
	24	15-Jun	21	191	9.1	2,951	14,634	5.0	0	0	0.0	1	2	2.0	162	1,121	6.9
	25	22-Jun	4	53	13.3	2,106	10,832	5.1	0	0	0.0	87	199	2.3	130	1,216	9.4
	26	29-Jun	1	11	11.0	427	2,040	4.8	0	0	0.0	0	0	0.0	10	78	7.8
	27	6-Jul	1	9	9.0	442	1,929	4.4	9	53	5.9	137	291	2.1	87	549	6.3
	31	3-Aug	7	74	10.6	198	1,058	5.3	233	1,713	7.4	33,718	100,748	3.0	114	870	7.6
	32	10-Aug	3	32	10.7	149	829	5.6	346	2,791	8.1	63,315	183,379	2.9	126	966	7.7
	33	17-Aug	0	0	0.0	44	244	5.5	1,039	7,301	7.0	37,398	127,065	3.4	69	576	8.3
	34	24-Aug	0	0	0.0	42	225	5.4	235	1,561	6.6	15,873	51,458	3.2	4	13	3.3
	<b>Total</b>			<b>41</b>	<b>389</b>	<b>9.5</b>	<b>7,624</b>	<b>37,514</b>	<b>4.9</b>	<b>1,862</b>	<b>13,419</b>	<b>7.2</b>	<b>150,529</b>	<b>463,142</b>	<b>3.1</b>	<b>702</b>	<b>5,389</b>
Central, Terror Bay,	23	8-Jun	426	3,088	7.2	11,705	65,027	5.6	0	0	0.0	0	0	0.0	569	4,368	7.7
Inner Uganik, Spiridon,	24	15-Jun	2,516	16,462	6.5	142,633	785,734	5.5	4	26	6.5	526	2,330	4.4	6,551	50,105	7.6
Zachar, & Uyak combined	25	22-Jun	1,046	7,131	6.8	61,462	334,281	5.4	0	0	0.0	304	1,064	3.5	3,017	22,065	7.3
(253-11, 12, 13, 14, 31	26	29-Jun	461	3,749	8.1	90,095	502,858	5.6	10	56	5.6	5,743	20,720	3.6	11,026	87,569	7.9
32, 33, 34, 35, 254-10, 20,	27	6-Jul	1,225	9,229	7.5	149,846	852,439	5.7	169	1,012	6.0	62,334	186,234	3.0	42,938	359,227	8.4
21, 30, 31, 40, 41, 50)	28	13-Jul	410	2,926	7.1	95,874	545,523	5.7	263	1,624	6.2	48,159	144,668	3.0	24,177	206,585	8.5
	29	20-Jul	591	4,485	7.6	104,237	563,544	5.4	1,130	7,289	6.5	220,507	702,684	3.2	32,146	252,029	7.8
	30	27-Jul	302	2,403	8.0	49,265	281,023	5.7	1,237	8,305	6.7	340,870	1,106,335	3.2	15,625	125,247	8.0
	31	3-Aug	453	4,131	9.1	55,099	312,282	5.7	3,119	22,483	7.2	623,551	2,008,051	3.2	17,547	137,035	7.8
	32	10-Aug	330	2,874	8.7	78,153	459,427	5.9	5,027	35,629	7.1	502,957	1,690,205	3.4	10,657	81,103	7.6
	33	17-Aug	120	960	8.0	49,334	286,470	5.8	6,233	47,626	7.6	399,110	1,389,283	3.5	5,955	44,877	7.5
	34	24-Aug	60	502	8.4	43,401	244,783	5.6	11,555	90,286	7.8	465,639	1,564,179	3.4	3,099	21,850	7.1
	35	31-Aug	14	120	8.6	31,315	176,304	5.6	10,688	88,897	8.3	168,835	571,711	3.4	932	6,878	7.4
	36	7-Sep	11	145	13.2	11,029	61,429	5.6	9,167	82,035	8.9	51,634	171,531	3.3	335	2,278	6.8
	37	14-Sep	3	27	9.0	3,735	17,872	4.8	949	8,529	9.0	4,541	14,395	3.2	39	278	7.1
	38	21-Sep	0	0	0.0	250	1,509	6.0	40	393	9.8	0	0	0.0	0	0	0.0
<b>Total</b>			<b>7,968</b>	<b>58,232</b>	<b>7.3</b>	<b>977,433</b>	<b>5,490,505</b>	<b>5.6</b>	<b>49,591</b>	<b>394,190</b>	<b>7.9</b>	<b>2,894,710</b>	<b>9,573,390</b>	<b>3.3</b>	<b>174,613</b>	<b>1,401,494</b>	<b>8.0</b>
North Cape, Anton	23	8-Jun	21	310	14.8	7,339	40,867	5.6	0	0	0.0	5	14	2.8	204	1,471	7.2
Larsen, Sheratin,	24	15-Jun	32	502	15.7	13,793	73,655	5.3	0	0	0.0	15	49	3.3	166	1,147	6.9
& Kizhuyak combined	25	22-Jun	41	450	11.0	15,846	86,503	5.5	0	0	0.0	255	721	2.8	1,591	11,630	7.3
(259-30, 31, 32, 33, 34, 35,	26	29-Jun	35	315	9.0	10,549	55,554	5.3	4	22	5.5	1,171	3,605	3.1	4,474	31,543	7.1
36, 37, 38, 39)	27	6-Jul	77	504	6.5	9,254	49,299	5.3	156	873	5.6	4,059	13,391	3.3	2,226	15,749	7.1
	28	13-Jul	65	557	8.6	2,575	14,834	5.8	134	826	6.2	7,993	24,169	3.0	782	5,703	7.3
	29	20-Jul	78	405	5.2	3,573	22,263	6.2	698	4,481	6.4	29,932	92,400	3.1	2,233	17,672	7.9
	30	27-Jul	31	214	6.9	1,871	11,140	6.0	605	4,289	7.1	44,307	151,968	3.4	1,644	12,965	7.9
	31	3-Aug	38	418	11.0	2,970	16,509	5.6	2,335	14,527	6.2	157,483	486,975	3.1	4,236	34,751	8.2
	32	10-Aug	11	168	15.3	3,220	19,619	6.1	3,070	22,006	7.2	276,397	871,575	3.2	5,682	43,605	7.7
	33	17-Aug	18	360	20.0	808	5,112	6.3	1,769	11,178	6.3	54,721	183,531	3.4	2,461	16,629	6.8
	34	24-Aug	1	17	17.0	253	1,357	5.4	1,075	8,578	8.0	24,851	82,121	3.3	990	7,785	7.9
	35	31-Aug	0	0	0.0	46	266	5.8	332	2,368	7.1	1,120	4,694	4.2	528	2,350	4.5
<b>Total</b>			<b>448</b>	<b>4,220</b>	<b>9.4</b>	<b>72,097</b>	<b>396,978</b>	<b>5.5</b>	<b>10,178</b>	<b>69,148</b>	<b>6.8</b>	<b>602,309</b>	<b>1,915,213</b>	<b>3.2</b>	<b>27,217</b>	<b>203,000</b>	<b>7.5</b>

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Section (Stat Area)	Statistical Week	Week Ends	Chinook			Sockeye			Coho			Pink			Chum			
			No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.	
Inner Karluk (255-10)	24	15-Jun	206	1,016	4.9	4,528	27,229	6.0	0	0	0.0	4	14	3.5	25	192	7.7	
	25	22-Jun	119	706	5.9	5,566	31,241	5.6	1	11	11.0	14	41	2.9	81	608	7.5	
	26	29-Jun	17	122	7.2	1,818	9,550	5.3	0	0	0.0	45	132	2.9	90	629	7.0	
	27	6-Jul	47	302	6.4	1,100	5,542	5.0	7	48	6.9	500	1,470	2.9	350	3,500	10.0	
	28	13-Jul	6	37	6.2	414	3,092	7.5	0	0	0.0	484	1,185	2.4	20	177	8.9	
	36	7-Sep	11	115	10.5	74,421	419,650	5.6	8,281	79,881	9.6	81,267	254,649	3.1	366	2,666	7.3	
	37	14-Sep	1	10	10.0	9,908	52,904	5.3	1,417	12,249	8.6	1,824	5,411	3.0	50	369	7.4	
	38	21-Sep	0	0	0.0	5,327	27,797	5.2	738	5,978	8.1	294	883	3.0	32	258	8.1	
	<b>Total</b>			<b>407</b>	<b>2,308</b>	<b>5.7</b>	<b>103,082</b>	<b>577,005</b>	<b>5.6</b>	<b>10,444</b>	<b>98,167</b>	<b>9.4</b>	<b>84,432</b>	<b>263,785</b>	<b>3.1</b>	<b>1,014</b>	<b>8,399</b>	<b>8.3</b>
Outer Karluk (255-20)	23	8-Jun	13	75	5.8	9,536	50,031	5.2	0	0	0.0	0	0	0.0	92	555	6.0	
	24	15-Jun	323	1,979	6.1	32,823	179,480	5.5	0	0	0.0	35	107	3.1	644	4,577	7.1	
	25	22-Jun	140	934	6.7	8,424	43,962	5.2	0	0	0.0	42	109	2.6	131	1,028	7.8	
	26	29-Jun	177	1,495	8.4	13,552	68,198	5.0	2	20	10.0	2,586	9,011	3.5	1,263	9,378	7.4	
	27	6-Jul	219	1,410	6.4	9,157	49,216	5.4	22	124	5.6	3,663	10,450	2.9	2,296	16,522	7.2	
	28	13-Jul	165	1,113	6.7	9,816	54,798	5.6	32	180	5.6	8,652	26,346	3.0	1,225	9,927	8.1	
	29	20-Jul	104	702	6.8	4,516	32,140	7.1	34	242	7.1	12,256	38,544	3.1	655	5,822	8.9	
	32	10-Aug	3	57	19.0	15,793	102,394	6.5	5,216	20,496	3.9	54,960	200,474	3.6	364	2,550	7.0	
	33	17-Aug	16	125	7.8	37,407	234,706	6.3	1,211	9,050	7.5	52,507	189,536	3.6	654	4,694	7.2	
	34	24-Aug	15	143	9.5	18,188	104,780	5.8	2,344	18,149	7.7	35,256	121,797	3.5	361	2,619	7.3	
	35	31-Aug	1	9	9.0	47,978	280,403	5.8	6,318	56,609	9.0	65,602	218,402	3.3	282	2,290	8.1	
	36	7-Sep	1	12	12.0	20,964	121,053	5.8	4,569	41,441	9.1	37,919	113,999	3.0	201	1,409	7.0	
	37	14-Sep	0	0	0.0	17,668	104,832	5.9	2,362	16,543	7.0	1,896	6,430	3.4	91	657	7.2	
	38	21-Sep	0	0	0.0	1,103	6,627	6.0	110	927	8.4	15	46	3.1	2	10	5.0	
	<b>Total</b>			<b>1,177</b>	<b>8,054</b>	<b>6.8</b>	<b>246,925</b>	<b>1,432,620</b>	<b>5.8</b>	<b>22,220</b>	<b>163,781</b>	<b>7.4</b>	<b>275,389</b>	<b>935,251</b>	<b>3.4</b>	<b>8,261</b>	<b>62,038</b>	<b>7.5</b>
	Halibut Bay (256-25 & 30)	26	29-Jun	40	352	8.8	7,705	37,149	4.8	2	18	9.0	2,587	6,270	2.4	399	2,948	7.4
		27	6-Jul	32	150	4.7	4,138	22,190	5.4	0	0	0.0	1,915	5,748	3.0	373	3,091	8.3
28		13-Jul	49	461	9.4	2,720	15,837	5.8	19	122	6.4	15,152	42,455	2.8	216	1,521	7.0	
29		20-Jul	261	1,120	4.3	4,335	27,514	6.3	86	515	6.0	24,313	73,031	3.0	682	5,086	7.5	
30		27-Jul	186	1,818	9.8	5,499	30,890	5.6	198	1,575	8.0	59,685	188,680	3.2	811	6,180	7.6	
31		3-Aug	289	1,908	6.6	5,581	32,848	5.9	449	3,481	7.8	89,823	271,720	3.0	704	5,217	7.4	
32		10-Aug	0	0	0.0	602	3,071	5.1	142	1,081	7.6	5,571	17,830	3.2	13	101	7.8	
33		17-Aug	23	162	7.0	6,867	37,657	5.5	1,024	7,865	7.7	112,622	351,192	3.1	160	1,284	8.0	
34		24-Aug	0	0	0.0	336	2,070	6.2	48	469	9.8	3,949	13,428	3.4	22	208	9.5	
35		31-Aug	1	7	7.0	432	2,541	5.9	131	1,198	9.1	6,988	23,740	3.4	0	0	0.0	
<b>Total</b>				<b>881</b>	<b>5,978</b>	<b>6.8</b>	<b>38,215</b>	<b>211,767</b>	<b>5.5</b>	<b>2,099</b>	<b>16,324</b>	<b>7.8</b>	<b>322,605</b>	<b>994,094</b>	<b>3.1</b>	<b>3,380</b>	<b>25,636</b>	<b>7.6</b>
Inner & Outer Ayakulik (256-10, 15, 20)		25	22-Jun	304	1,979	6.5	15,045	79,315	5.3	0	0	0.0	184	438	2.4	455	3,376	7.4
	26	29-Jun	39	306	7.8	7,561	35,476	4.7	0	0	0.0	584	1,557	2.7	776	4,286	5.5	
	27	6-Jul	68	454	6.7	897	4,216	4.7	0	0	0.0	188	510	2.7	444	3,248	7.3	
	28	13-Jul	153	1,012	6.6	19,206	121,248	6.3	57	388	6.8	22,608	63,703	2.8	1,379	10,265	7.4	
	29	20-Jul	110	653	5.9	16,669	111,827	6.7	55	372	6.8	42,662	134,604	3.2	2,932	22,489	7.7	
	30	27-Jul	6	49	8.2	2,367	14,630	6.2	0	0	0.0	2,280	6,828	3.0	159	1,091	6.9	
	31	3-Aug	12	99	8.3	9,826	54,303	5.5	237	1,679	7.1	58,029	174,529	3.0	332	2,519	7.6	
	32	10-Aug	0	0	0.0	4,506	22,705	5.0	360	2,962	8.2	54,557	178,416	3.3	186	1,334	7.2	
	33	17-Aug	0	0	0.0	868	4,084	4.7	76	615	8.1	13,780	44,097	3.2	16	125	7.8	
<b>Total</b>			<b>692</b>	<b>4,552</b>	<b>6.6</b>	<b>76,945</b>	<b>447,804</b>	<b>5.8</b>	<b>785</b>	<b>6,016</b>	<b>7.7</b>	<b>194,872</b>	<b>604,682</b>	<b>3.1</b>	<b>6,679</b>	<b>48,733</b>	<b>7.3</b>	

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Section (Stat Area)	Statistical Week	Week Ends	Chinook			Sockeye			Coho			Pink			Chum			
			No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.	
Sturgeon (256-40)	34	24-Aug	0	0	0.0	281	1,690	6.0	87	653	7.5	2,110	7,387	3.5	8	89	11.1	
	<b>Total</b>		<b>0</b>	<b>0</b>	<b>0.0</b>	<b>281</b>	<b>1,690</b>	<b>6.0</b>	<b>87</b>	<b>653</b>	<b>7.5</b>	<b>2,110</b>	<b>7,387</b>	<b>3.5</b>	<b>8</b>	<b>89</b>	<b>11.1</b>	
Cape Alitak (257-10 & 20)	24	15-Jun	87	1,151	13.2	10,255	58,656	5.7	0	0	0.0	70	192	2.7	99	732	7.4	
	25	22-Jun	30	436	14.5	10,153	56,856	5.6	0	0	0.0	542	1,619	3.0	418	3,110	7.4	
	26	29-Jun	84	1,212	14.4	10,906	62,892	5.8	2	12	6.0	3,824	10,504	2.7	883	7,098	8.0	
	27	6-Jul	19	211	11.1	3,606	22,446	6.2	1	5	5.0	4,660	13,159	2.8	521	4,383	8.4	
	28	13-Jul	221	2,407	10.9	15,408	96,248	6.2	198	1,221	6.2	114,242	326,345	2.9	3,510	27,417	7.8	
	29	20-Jul	40	440	11.0	4,826	29,897	6.2	64	447	7.0	165,672	510,014	3.1	6,816	54,208	8.0	
	30	27-Jul	8	150	18.8	2,767	14,859	5.4	72	507	7.0	73,067	232,363	3.2	988	7,714	7.8	
	31	3-Aug	1	18	18.0	321	1,759	5.5	3	17	5.7	12,664	36,384	2.9	161	1,120	7.0	
	35	31-Aug	1	13	13.0	3	8	2.7	10	140	14.0	343	961	2.8	7	49	7.0	
	<b>Total</b>			<b>491</b>	<b>6,038</b>	<b>12.3</b>	<b>58,245</b>	<b>343,621</b>	<b>5.9</b>	<b>350</b>	<b>2,349</b>	<b>6.7</b>	<b>375,084</b>	<b>1,131,541</b>	<b>3.0</b>	<b>13,403</b>	<b>105,831</b>	<b>7.9</b>
	Moser/Olga Bay & Dog Salmon Flats (257-30, 31, 40, 41, 42, 43)	24	15-Jun	0	0	0.0	36,095	191,118	5.3	1	8	8.0	4	11	2.8	21	172	8.2
		25	22-Jun	0	0	0.0	22,715	123,228	5.4	0	0	0.0	21	72	3.4	73	624	8.5
26		29-Jun	0	0	0.0	26,289	139,359	5.3	1	8	8.0	123	415	3.4	169	1,387	8.2	
27		6-Jul	2	16	8.0	3,323	17,981	5.4	4	24	6.0	97	355	3.7	90	737	8.2	
28		13-Jul	1	21	21.0	16,919	92,148	5.4	255	1,463	5.7	4,039	15,506	3.8	697	5,648	8.1	
29		20-Jul	0	0	0.0	6,379	35,318	5.5	18	139	7.7	5,386	20,741	3.9	436	3,387	7.8	
30		27-Jul	0	0	0.0	5,379	30,582	5.7	11	82	7.5	11,198	36,093	3.2	301	2,397	8.0	
33		17-Aug	0	0	0.0	3,742	20,672	5.5	145	1,320	9.1	4,227	17,288	4.1	232	1,320	5.7	
34		24-Aug	1	31	31.0	10,706	59,004	5.5	575	5,397	9.4	14,360	55,143	3.8	316	2,646	8.4	
35		31-Aug	0	0	0.0	3,248	18,034	5.6	658	6,058	9.2	6,837	27,264	4.0	265	2,195	8.3	
<b>Total</b>				<b>4</b>	<b>68</b>	<b>17.0</b>	<b>134,795</b>	<b>727,444</b>	<b>5.4</b>	<b>1,668</b>	<b>14,499</b>	<b>8.7</b>	<b>46,292</b>	<b>172,888</b>	<b>3.7</b>	<b>2,600</b>	<b>20,513</b>	<b>7.9</b>
Humpty/Deadman (257-50, 60, 70)		24	15-Jun	6	93	15.5	4,741	24,843	5.2	0	0	0.0	12	38	3.2	23	184	8.0
	25	22-Jun	1	5	5.0	847	4,610	5.4	0	0	0.0	64	193	3.0	43	355	8.3	
	27	6-Jul	0	0	0.0	284	1,798	6.3	0	0	0.0	1,054	3,062	2.9	104	860	8.3	
	28	13-Jul	92	869	9.4	5,837	37,467	6.4	62	388	6.3	71,163	209,884	2.9	2,805	22,501	8.0	
	29	20-Jul	6	92	15.3	2,333	15,427	6.6	1	6	6.0	137,854	499,795	3.6	829	6,493	7.8	
	30	27-Jul	29	297	10.2	4,145	25,704	6.2	105	640	6.1	485,825	1,515,640	3.1	3,086	24,021	7.8	
	31	3-Aug	7	70	10.0	5,743	35,302	6.1	148	1,061	7.2	299,405	889,372	3.0	2,411	18,470	7.7	
	32	10-Aug	1	26	26.0	1,466	8,948	6.1	126	941	7.5	269,127	869,288	3.2	4,972	36,738	7.4	
	33	17-Aug	3	72	24.0	674	4,038	6.0	129	1,006	7.8	347,162	1,162,888	3.3	1,239	9,379	7.6	
	34	24-Aug	4	66	16.5	3,016	17,692	5.9	1,228	10,221	8.3	486,004	1,525,928	3.1	1,786	14,042	7.9	
	35	31-Aug	0	0	0.0	28	162	5.8	218	1,890	8.7	129,429	399,029	3.1	747	5,503	7.4	
	<b>Total</b>			<b>149</b>	<b>1,590</b>	<b>10.7</b>	<b>29,114</b>	<b>175,991</b>	<b>6.0</b>	<b>2,017</b>	<b>16,153</b>	<b>8.0</b>	<b>2,227,099</b>	<b>7,075,117</b>	<b>3.2</b>	<b>18,045</b>	<b>138,546</b>	<b>7.7</b>

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Section (Stat Area)	Statistical Week	Week Ends	Chinook			Sockeye			Coho			Pink			Chum			
			No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.	
Seven Rivers (258-70, 80, 85, 90)	24	15-Jun	2	60	30.0	4,291	23,369	5.4	0	0	0.0	359	998	2.8	953	7,434	7.8	
	25	22-Jun	3	43	14.3	2,037	10,383	5.1	0	0	0.0	753	1,881	2.5	1,189	8,341	7.0	
	27	6-Jul	23	271	11.8	5,991	40,450	6.8	146	924	6.3	3,871	11,573	3.0	4,025	28,494	7.1	
	28	13-Jul	26	276	10.6	1,279	7,239	5.7	58	366	6.3	2,597	6,850	2.6	617	4,263	6.9	
	29	20-Jul	13	66	5.1	348	1,963	5.6	44	323	7.3	2,233	7,499	3.4	448	3,275	7.3	
	30	27-Jul	3	36	12.0	219	1,225	5.6	27	159	5.9	46,571	154,276	3.3	872	7,040	8.1	
	31	3-Aug	7	71	10.1	831	4,983	6.0	91	593	6.5	293,445	939,809	3.2	2,212	15,162	6.9	
	32	10-Aug	0	0	0.0	87	547	6.3	4	28	7.0	161,098	550,907	3.4	738	7,597	10.3	
	33	17-Aug	0	0	0.0	20	120	6.0	75	773	10.3	136,355	448,870	3.3	294	2,681	9.1	
	34	24-Aug	0	0	0.0	10	47	4.7	50	401	8.0	212,072	686,552	3.2	528	4,168	7.9	
	35	31-Aug	0	0	0.0	0	0	0.0	0	0	0.0	64,991	194,974	3.0	0	0	0.0	
	<b>Total</b>			<b>77</b>	<b>823</b>	<b>10.7</b>	<b>15,113</b>	<b>90,326</b>	<b>6.0</b>	<b>495</b>	<b>3,567</b>	<b>7.2</b>	<b>924,345</b>	<b>3,004,189</b>	<b>3.3</b>	<b>11,876</b>	<b>88,455</b>	<b>7.4</b>
	Two-Headed (258-54, 55, 60)	24	15-Jun	20	177	8.9	4,710	26,118	5.5	0	0	0.0	285	701	2.5	1,127	6,931	6.1
25		22-Jun	24	209	8.7	5,404	27,071	5.0	0	0	0.0	838	2,326	2.8	1,350	10,636	7.9	
27		6-Jul	11	172	15.6	1,240	7,916	6.4	22	142	6.5	5,048	15,145	3.0	873	6,948	8.0	
28		13-Jul	190	1,834	9.7	3,717	25,714	6.9	483	3,789	7.8	33,634	134,896	4.0	3,187	22,115	6.9	
29		20-Jul	97	1,045	10.8	1,702	9,611	5.6	116	808	7.0	29,496	83,551	2.8	1,029	8,211	8.0	
30		27-Jul	56	433	7.7	2,626	14,118	5.4	205	1,213	5.9	208,180	602,848	2.9	5,997	46,205	7.7	
31		3-Aug	8	124	15.5	1,094	5,604	5.1	176	986	5.6	169,963	493,672	2.9	4,375	31,963	7.3	
32		10-Aug	1	9	9.0	196	1,169	6.0	187	1,216	6.5	76,819	233,927	3.0	3,108	26,560	8.5	
33		17-Aug	11	119	10.8	37	221	6.0	34	264	7.8	52,734	154,632	2.9	708	4,950	7.0	
34		24-Aug	1	9	9.0	7	35	5.0	29	233	8.0	14,910	50,690	3.4	353	2,751	7.8	
35		31-Aug	0	0	0.0	0	0	0.0	14	130	9.3	1,206	3,618	3.0	119	831	7.0	
<b>Total</b>				<b>419</b>	<b>4,131</b>	<b>9.9</b>	<b>20,733</b>	<b>117,577</b>	<b>5.7</b>	<b>1,266</b>	<b>8,781</b>	<b>6.9</b>	<b>593,113</b>	<b>1,776,006</b>	<b>3.0</b>	<b>22,226</b>	<b>168,101</b>	<b>7.6</b>
Sitkalidak (258-10, 20, 30, 40, 51, 52, 53)		24	15-Jun	118	1,173	9.9	14,546	94,686	6.5	0	0	0.0	337	909	2.7	4,720	34,415	7.3
	25	22-Jun	144	1,302	9.0	14,234	84,705	6.0	2	11	5.5	3,571	9,527	2.7	9,633	68,057	7.1	
	27	6-Jul	135	734	5.4	4,564	27,605	6.0	286	1,935	6.8	9,327	27,661	3.0	4,833	37,872	7.8	
	28	13-Jul	1,941	13,855	7.1	16,973	99,434	5.9	1,647	11,574	7.0	71,351	171,424	2.4	23,278	200,345	8.6	
	29	20-Jul	2,615	15,644	6.0	9,847	60,270	6.1	1,457	9,718	6.7	151,476	455,410	3.0	17,120	154,454	9.0	
	30	27-Jul	1,054	9,202	8.7	9,435	55,512	5.9	1,832	12,087	6.6	327,366	979,389	3.0	28,778	236,293	8.2	
	31	3-Aug	264	2,579	9.8	8,237	49,705	6.0	3,710	27,280	7.4	764,954	2,347,469	3.1	35,694	283,902	8.0	
	32	10-Aug	174	2,235	12.8	1,622	9,431	5.8	1,245	9,392	7.5	604,317	1,934,913	3.2	29,005	236,013	8.1	
	33	17-Aug	244	2,966	12.2	1,042	5,614	5.4	10,578	45,373	4.3	869,271	2,776,932	3.2	28,516	229,810	8.1	
	34	24-Aug	77	951	12.4	1,515	8,891	5.9	30,399	118,267	3.9	1,468,725	4,680,714	3.2	40,657	325,256	8.0	
	35	31-Aug	0	0	0.0	491	2,544	5.2	10,546	50,523	4.8	405,615	1,305,638	3.2	18,544	140,099	7.6	
	36	7-Sep	0	0	0.0	58	300	5.2	755	7,648	10.1	70,751	258,769	3.7	3,961	33,462	8.4	
	37	14-Sep	0	0	0.0	0	0	0.0	92	1,254	13.6	3,833	14,511	3.8	788	7,027	8.9	
38	21-Sep	0	0	0.0	0	0	0.0	141	990	7.0	0	0	0.0	0	0	0.0		
<b>Total</b>			<b>6,766</b>	<b>50,641</b>	<b>7.5</b>	<b>82,564</b>	<b>498,697</b>	<b>6.0</b>	<b>62,690</b>	<b>296,052</b>	<b>4.7</b>	<b>4,750,894</b>	<b>14,963,266</b>	<b>3.1</b>	<b>245,527</b>	<b>1,987,005</b>	<b>8.1</b>	

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Section (Stat Area)	Statistical Week	Week Ends	Chinook			Sockeye			Coho			Pink			Chum		
			No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.
Inner & Outer Ugak (259-40, 41, 42, 43, 44, 45, 46)	25	22-Jun	3	22	7.3	1,109	5,913	5.3	0	0	0.0	190	570	3.0	330	2,317	7.0
	26	29-Jun	117	740	6.3	5,038	27,785	5.5	0	0	0.0	21	53	2.5	140	1,178	8.4
	27	6-Jul	201	1,545	7.7	4,585	23,606	5.1	1	10	10.0	222	661	3.0	590	4,470	7.6
	28	13-Jul	213	1,734	8.1	8,653	42,750	4.9	61	323	5.3	3,220	8,812	2.7	1,935	12,872	6.7
	29	20-Jul	155	1,556	10.0	2,897	20,208	7.0	1	11	11.0	16,421	51,004	3.1	3,705	26,954	7.3
	30	27-Jul	194	1,632	8.4	1,783	10,349	5.8	332	2,623	7.9	93,474	290,480	3.1	3,986	32,556	8.2
	31	3-Aug	172	1,618	9.4	1,330	7,580	5.7	406	2,826	7.0	111,533	337,619	3.0	4,569	33,969	7.4
	32	10-Aug	8	96	12.0	47	261	5.6	3	28	9.3	66,057	211,948	3.2	357	2,703	7.6
	33	17-Aug	9	73	8.1	70	437	6.2	29	200	6.9	81,630	271,070	3.3	1,433	11,099	7.7
	34	24-Aug	0	0	0.0	8	45	5.6	87	809	9.3	8,704	25,862	3.0	7,814	61,612	7.9
	35	31-Aug	0	0	0.0	10	60	6.0	676	4,525	6.7	3,316	12,285	3.7	4,453	33,013	7.4
	36	7-Sep	0	0	0.0	0	0	0.0	3	33	11.0	778	2,488	3.2	362	3,621	10.0
<b>Total</b>			<b>1,072</b>	<b>9,016</b>	<b>8.4</b>	<b>25,530</b>	<b>138,994</b>	<b>5.4</b>	<b>1,599</b>	<b>11,388</b>	<b>7.1</b>	<b>385,566</b>	<b>1,212,852</b>	<b>3.1</b>	<b>29,674</b>	<b>226,364</b>	<b>7.6</b>
Outer Chiniak (259-21, 25)	28	13-Jul	42	180	4.3	440	2,433	5.5	59	340	5.8	2,075	6,560	3.2	683	5,132	7.5
	29	20-Jul	451	2,045	4.5	606	3,195	5.3	455	2,819	6.2	28,849	77,895	2.7	772	5,569	7.2
	30	27-Jul	7	51	7.3	78	390	5.0	5	32	6.4	84,499	289,656	3.4	934	7,083	7.6
	31	3-Aug	8	162	20.3	241	1,308	5.4	41	256	6.2	216,503	695,825	3.2	524	4,047	7.7
	32	10-Aug	8	101	12.6	5	31	6.2	3	21	7.0	54,048	182,942	3.4	228	1,565	6.9
	33	17-Aug	0	0	0.0	0	0	0.0	0	0	0.0	2,123	9,130	4.3	1	15	15.0
<b>Total</b>			<b>516</b>	<b>2,539</b>	<b>4.9</b>	<b>1,370</b>	<b>7,357</b>	<b>5.4</b>	<b>563</b>	<b>3,468</b>	<b>6.2</b>	<b>388,097</b>	<b>1,262,008</b>	<b>3.3</b>	<b>3,142</b>	<b>23,411</b>	<b>7.5</b>
Inner Chiniak (259-23, 24, 27)	29	20-Jul	2	42	21.0	0	0	0.0	1	5	5.0	8,069	24,289	3.0	3	25	8.3
	30	27-Jul	6	113	18.8	95	533	5.6	1	7	7.0	58,815	177,304	3.0	230	1,832	8.0
	31	3-Aug	6	79	13.2	11	59	5.4	4	33	8.3	74,062	239,547	3.2	3,251	25,741	7.9
	32	10-Aug	16	214	13.4	12	98	8.2	37	258	7.0	97,617	307,243	3.1	2,945	22,931	7.8
	33	17-Aug	4	38	9.5	8	43	5.4	7,175	23,454	3.3	33,618	109,080	3.2	697	5,616	8.1
	34	24-Aug	5	84	16.8	0	0	0.0	6,804	22,856	3.4	50,631	188,634	3.7	976	6,808	7.0
	35	31-Aug	0	0	0.0	0	0	0.0	2,098	7,655	3.6	6,959	22,395	3.2	65	483	7.4
<b>Total</b>			<b>39</b>	<b>570</b>	<b>14.6</b>	<b>126</b>	<b>733</b>	<b>5.8</b>	<b>16,120</b>	<b>54,268</b>	<b>3.4</b>	<b>329,771</b>	<b>1,068,492</b>	<b>3.2</b>	<b>8,167</b>	<b>63,436</b>	<b>7.8</b>
Buskin River (259-22, 26)	31	3-Aug	0	0	0.0	0	0	0.0	3	28	9.3	5,788	17,948	3.1	2,561	19,310	7.5
	32	10-Aug	1	20	20.0	2	11	5.5	7	60	8.6	19,407	64,037	3.3	6,338	50,757	8.0
	33	17-Aug	0	0	0.0	0	0	0.0	15	125	8.3	7,380	24,310	3.3	102	784	7.7
	34	24-Aug	0	0	0.0	1	6	6.0	15	86	5.7	2,507	10,532	4.2	53	326	6.2
	35	31-Aug	0	0	0.0	0	0	0.0	0	0	0.0	5	18	3.6	173	1,218	7.0
<b>Total</b>			<b>1</b>	<b>20</b>	<b>20.0</b>	<b>3</b>	<b>17</b>	<b>5.7</b>	<b>40</b>	<b>299</b>	<b>7.5</b>	<b>35,087</b>	<b>116,845</b>	<b>3.3</b>	<b>9,227</b>	<b>72,395</b>	<b>7.8</b>
Monaska/Mill Bay (259-10)	30	27-Jul	1	18	18.0	17	100	5.9	0	0	0.0	5,707	17,393	3.0	6	75	12.5
	31	3-Aug	0	0	0.0	4	28	7.0	0	0	0.0	7,387	20,014	2.7	6	41	6.8
	32	10-Aug	0	0	0.0	2	12	6.0	21	147	7.0	9,543	34,731	3.6	20	164	8.2
	33	17-Aug	0	0	0.0	15	83	5.5	94	587	6.2	18,240	59,739	3.3	9	66	7.3
	34	24-Aug	0	0	0.0	18	86	4.8	221	1,540	7.0	11,231	39,190	3.5	77	426	5.5
	36	7-Sep	0	0	0.0	1	3	3.0	22	201	9.1	509	1,273	2.5	0	0	0.0
<b>Total</b>			<b>1</b>	<b>18</b>	<b>18.0</b>	<b>57</b>	<b>312</b>	<b>5.5</b>	<b>358</b>	<b>2,475</b>	<b>6.9</b>	<b>52,617</b>	<b>172,340</b>	<b>3.3</b>	<b>118</b>	<b>772</b>	<b>6.5</b>
Big River (262-10,15)	25	22-Jun	42	260	6.2	696	4,477	6.4	0	0	0.0	31	108	3.5	167	1,323	7.9
	<b>Total</b>		<b>42</b>	<b>260</b>	<b>6.2</b>	<b>696</b>	<b>4,477</b>	<b>6.4</b>	<b>0</b>	<b>0</b>	<b>0.0</b>	<b>31</b>	<b>108</b>	<b>3.5</b>	<b>167</b>	<b>1,323</b>	<b>7.9</b>

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Section (Stat Area)	Statistical Week	Week Ends	Chinook			Sockeye			Coho			Pink			Chum		
			No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.
Hallo Bay (262-20)	<b>Total</b>		<b>0</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0</b>	<b>0.0</b>
Kukak Bay (262-25, 27, 30)	<b>Total</b>		<b>0</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0</b>	<b>0.0</b>
Dakavak (262-35, 40, 45, 50, 55)	27	8-Jul	90	588	6.5	1,284	7,873	6.1	3	18	6.0	4,092	7,496	1.8	2,067	19,760	9.6
	28	13-Jul	260	1,935	7.4	6,791	38,247	5.6	273	1,627	6.0	4,488	13,980	3.1	3,042	23,528	7.7
	29	20-Jul	77	583	7.6	5,591	18,923	3.4	111	666	6.0	3,805	12,018	3.2	776	6,952	9.0
	<b>Total</b>		<b>427</b>	<b>3,106</b>	<b>7.3</b>	<b>13,666</b>	<b>65,043</b>	<b>4.8</b>	<b>387</b>	<b>2,311</b>	<b>6.0</b>	<b>12,385</b>	<b>33,494</b>	<b>2.7</b>	<b>5,885</b>	<b>50,240</b>	<b>8.5</b>
Katmai (262-60)	27	8-Jul	4	24	6.0	75	438	5.8	3	18	6.0	156	469	3.0	308	2,771	9.0
	28	13-Jul	453	3,811	8.4	11,522	71,827	6.2	434	2,597	6.0	6,320	17,232	2.7	2,326	18,572	8.0
	29	20-Jul	225	1,346	6.0	5,062	28,483	5.6	356	2,065	5.8	2,311	7,280	3.2	1,457	10,524	7.2
	<b>Total</b>		<b>682</b>	<b>5,181</b>	<b>7.6</b>	<b>16,659</b>	<b>100,748</b>	<b>6.0</b>	<b>793</b>	<b>4,680</b>	<b>5.9</b>	<b>8,787</b>	<b>24,981</b>	<b>2.8</b>	<b>4,091</b>	<b>31,867</b>	<b>7.8</b>
Alinchak (262-65, 70)	27	8-Jul	260	2,331	9.0	5,379	31,217	5.8	25	152	6.1	4,958	10,287	2.1	2,806	27,309	9.7
	28	13-Jul	740	4,224	5.7	4,845	32,125	6.6	173	1,187	6.9	4,141	8,577	2.1	3,142	30,545	9.7
	29	20-Jul	1,184	7,205	6.1	4,993	30,069	6.0	145	899	6.2	4,392	14,352	3.3	2,656	18,521	7.0
	<b>Total</b>		<b>2,184</b>	<b>13,760</b>	<b>6.3</b>	<b>15,217</b>	<b>93,411</b>	<b>6.1</b>	<b>343</b>	<b>2,238</b>	<b>6.5</b>	<b>13,491</b>	<b>33,216</b>	<b>2.5</b>	<b>8,604</b>	<b>76,375</b>	<b>8.9</b>
Cape Igvak (262-75, 80, 90, 95)	23	8-Jun	104	1,172	11.3	21,623	151,784	7.0	0	0	0.0	632	4,075	6.4	1,677	12,167	7.3
	24	14-Jun	189	2,725	14.4	70,726	487,837	6.9	0	0	0.0	345	953	2.8	2,889	22,729	7.9
	25	22-Jun	768	7,409	9.6	203,212	1,320,096	6.5	0	0	0.0	3,884	10,844	2.8	16,561	134,346	8.1
	28	13-Jul	1,251	7,844	6.3	30,867	191,423	6.2	978	5,666	5.8	19,233	50,003	2.6	11,453	94,635	8.3
	29	20-Jul	1,410	11,397	8.1	41,372	268,915	6.5	5,078	35,442	7.0	54,085	168,837	3.1	15,990	127,535	8.0
	30	27-Jul	961	8,145	8.5	25,732	165,523	6.4	3,992	29,112	7.3	91,738	273,562	3.0	16,049	130,641	8.1
	<b>Total</b>		<b>4,683</b>	<b>38,692</b>	<b>8.3</b>	<b>393,532</b>	<b>2,585,578</b>	<b>6.6</b>	<b>10,048</b>	<b>70,220</b>	<b>7.0</b>	<b>169,917</b>	<b>508,274</b>	<b>3.0</b>	<b>64,619</b>	<b>522,053</b>	<b>8.1</b>
Wide Bay (262-85)	<b>Total</b>		<b>0</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0</b>	<b>0.0</b>
<b>Grand Total</b>			<b>33,973</b>	<b>254,663</b>	<b>7.5</b>	<b>2,569,779</b>	<b>14,792,366</b>	<b>5.8</b>	<b>268,667</b>	<b>1,778,244</b>	<b>6.6</b>	<b>28,167,703</b>	<b>89,084,717</b>	<b>3.2</b>	<b>791,877</b>	<b>6,203,441</b>	<b>7.8</b>

Note: Includes cost recovery, but not test fish or commercial catch set aside for personal use.



## **APPENDIX M. ESCAPEMENT DATA**

Appendix M1.—Salmon escapements in the Kodiak Management Area, by district and species, 2013.

District	Number of Fish				
	Chinook	Sockeye	Coho	Pink	Chum
Afognak	1	55,702	27,207	585,010	1,401
Northwest Kodiak	0	45,700	0	903,150	65,900
Southwest Kodiak	4,193	853,523	31,814	146,190	400
Alitak	96	289,544	7,412	599,159	47,594
Eastside Kodiak	0	57,218	4,598	1,466,106	157,765
Northeast Kodiak	0	17,090	10,108	751,096	12,039
Mainland	0	7,900	2,400	620,680	112,700
Area Total	4,290	1,326,677	83,539	5,071,391	397,799