

# **Kodiak Management Area Commercial Salmon Fishery Annual Management Report, 2014**

by

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July 2017

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Alaska Department of Fish and Game

Divisions of Sport Fish and Commercial Fisheries



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

***FISHERY MANAGEMENT REPORT NO. 17-09***

**KODIAK MANAGEMENT AREA COMMERCIAL SALMON FISHERY  
ANNUAL MANAGEMENT REPORT, 2014**

by  
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# ABSTRACT

This report provides an overview of the 2014 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, early-run Upper Station, and late-run Upper Station, but were not met at Uganik and Pasagshak. The Mainland District pink salmon *O. gorbuscha* and chum salmon *O. keta* escapement goals were met, whereas the Kodiak Archipelago goals for pink and chum salmon were not met in 2014. The Chinook salmon *O. tshawytscha* escapement goal was not achieved in both the Karluk and Ayakulik rivers. The coho salmon *O. kisutch* escapement goals were achieved in the Buskin, American, Olds and Pasagshak rivers.

The 2014 KMA commercial salmon fishery began on June 5, with the last reported landing on October 2. A total of 335 permits were fished, consisting of 186 purse seine permits, 3 beach seine permits, and 146 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 for personal use, was 8,382 Chinook, 3,259,037 sockeye, 472,035 coho, 10,674,898 pink, and 336,572 chum salmon. Commercial harvests were higher than projected for sockeye and coho, but below the projected harvest for Chinook, pink, and chum salmon. The exvessel value for salmon harvested by all gear types totaled approximately \$43.0 million.

Commercially harvested salmon that were reported as retained for personal use, but not sold, totaled 8,843 salmon in the KMA, consisting of 189 Chinook, 3,371 sockeye, 2,230 coho, 3,035 pink, and 18 chum salmon.

Subsistence users reported a total KMA harvest of 27,499 salmon, consisting of 183 Chinook, 22,594 sockeye, 3,915 coho, 573 pink, and 184 chum salmon.

Key words: Chinook, sockeye, coho, pink, chum, salmon, *Oncorhynchus*, 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's (KMA) commercial salmon *Oncorhynchus* spp. fisheries and harvest strategies in effect during the 2014 commercial salmon fishing season. A summary is also provided of the 2014 commercial salmon fishing season and historical commercial harvest, effort levels, escapement, subsistence, and commercial harvest retained for personal use. In addition, this report provides a comparison of salmon escapements as they pertain to the condition of salmon stocks 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 the KMA commercial fishing districts (Appendix A), fishing opportunity and management actions taken during the 2014 season (Appendix B), detailed information on specific fisheries (Appendices C through 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 2015).

# **SALMON RESOURCES**

## **SALMON PRODUCING STREAMS**

Salmon migration or spawning has been documented in approximately 900 streams within the KMA (Johnson and Litchfield 2015), 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. The majority of pink salmon streams are located in the Kodiak Archipelago (Afognak, Northwest Kodiak, Southwest 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 are used by pink salmon.

## **SUPPLEMENTAL PRODUCTION**

There are 2 hatcheries located in the KMA that 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 (Figure 2). The Kitoi Bay Hatchery primarily produces pink salmon but also cultures sockeye, chum, and coho salmon (unpublished KRAA 2014a). KRAA outstocks (placing juvenile salmon in sites other than the hatchery) some juvenile coho and sockeye salmon fry from the Kitoi Bay Hatchery, but the majority of 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 (unpublished KRAA 2014b).

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. 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.

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 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 10-year (2004–2013) average supplemental production has included an undetermined number of Chinook salmon and an estimated 294,286 sockeye, 113,853 coho, 6,107,275 pink, and 174,128 chum salmon (Table 2).

In 2014, sockeye salmon were outstocked at Spiridon, Hidden, Crescent, Ruth, Big Waterfall, Little Waterfall, and Jennifer lakes to produce harvest opportunities in terminal fisheries near the outlets of these systems. Sockeye salmon were also outstocked in 2014 in Little Kitoi Lake for

broodstock development. Coho salmon were outstocked into Crescent Lake near the community of Port Lions, Katmai Lake on Spruce Island near the community of Ouzinkie, and Jennifer and Ruth lakes on Afognak Island to provide subsistence and commercial harvest opportunities (unpublished KRAA 2014a and 2014b).

## **ESCAPEMENT GOALS AND MONITORING**

### **ESCAPEMENT GOALS**

In 2013 ADF&G staff reviewed previously established escapement goals within the KMA for each system and salmon species and recommended no change to 23 goals, modified one goal, and eliminated one goal (Sagalkin et al. 2013). The directors of the Division of Commercial Fisheries (CF) and the Division of Sport Fish (SF) accepted these recommended changes to the escapement goals. In 2014, 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 2014 salmon peak escapements and escapement goals of index streams are outlined in Table 3.

### **ESCAPEMENT MONITORING**

In 2014, weirs were operated on the major systems of the KMA (Table 4; Figure 2; Fuerst 2015). The 4 largest systems with weirs are Karluk River (at Karluk Lagoon), Ayakulik River (at the outlet), South Olga Lakes (at the outlet of South Olga Creek at Upper Station), and Dog Salmon River. There are 5 smaller systems with weirs including Afognak Lake (at Litnik), Saltery Lake, Pasagshak River, Buskin River (at Buskin Lake and also Lake Louise), and Pauls Bay (at the outlet of Pauls Lake). On the Dog Salmon River, a fish pass is 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 except sockeye salmon. In some years, an appreciable number of sockeye salmon that pass the Dog Salmon weir do not ascend the fish pass to Frazer Lake. Sockeye salmon that do not ascend the fish pass to Frazer Lake are not likely to reproduce; therefore, the cumulative sockeye salmon count through the fish pass is considered the spawning escapement for the drainage.

The majority of sockeye salmon and most Chinook salmon ascending rivers in the KMA were counted through weirs (Tables 3–5; Fuerst 2015). The availability of these data allowed for inseason stock-specific sockeye salmon 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 collected from fixed-wing aircraft surveys of bays and streams. Coho salmon escapement estimates were 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 2 counts that 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 2015).

## **STOCK STATUS**

### **Chinook Salmon**

There has been concern regarding the low returns of Chinook salmon escapement in the Karluk and Ayakulik rivers in recent years. In an attempt to increase escapement, regulation 5 AAC 18.395 provides ADF&G emergency order (EO) authority to prohibit retention of Chinook salmon 28 inches or greater in length by seine gear during fisheries in the Inner Karluk, Outer Karluk, Inner Ayakulik, and Outer Ayakulik sections and that portion of the Central Section south of the latitude of Cape Kuliuk when weir counts indicate inadequate escapement.

In 2014, a weak Chinook salmon run was expected to return to the Karluk River. In response, ADF&G implemented non-retention of Chinook salmon harvested by seine gear in that portion of the Central Section south of Cape Kuliuk and the Southwest Kodiak District during all fishing periods during the 2014 salmon fishing season.

The 2014 Karluk River Chinook salmon season total weir count of 1,182 fish (Table 4; Fuerst 2015) was well below the escapement goal range of 3,000–6,000 fish (Table 3; Sagalkin et al. 2013). An inriver sport fishery was allowed on the Karluk River through June 20, but fishermen were prohibited from retaining Chinook salmon. Because of this, the estimated total escapement was the same as the weir count.

In 2014, a total of 917 Chinook salmon were counted through the Ayakulik River weir (Table 4; Fuerst 2015). The sport fishery harvest of zero Chinook salmon (T. Polum, fishery biologist, ADF&G, Kodiak, personal communication) upstream of the weir resulted in an estimated escapement of 917 fish, which was well below the escapement goal range of 4,000–7,000 fish (Table 3; Sagalkin et al. 2013).

Dog Salmon Creek has a run of Chinook salmon originally introduced in 1970. A total of 39 were counted through the Dog Salmon weir in 2014 (Table 4; Fuerst 2015). There is no escapement goal established for this system, but the average total season cumulative weir count in the previous decade (2004–2013) was 175 fish (Fuerst 2015). No sport fishery is 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 99% (1,614,578 fish) of all documented sockeye salmon escapements in 2014. Additional escapements of 20,339 sockeye salmon were estimated by aerial and foot surveys in other systems such as Malina Creek, Ocean Beach, Kafli Lake, Uganik Lake, Little River Lake, Thorshiem Lake, Pauls Lake, and Swikshak



Lagoon (Fuerst 2015). Sockeye salmon escapements generally met escapement goals with the exception of the Uganik and Pasagshak river systems (Table 3).

### **Coho Salmon**

Estimating coho salmon escapements to the KMA streams is difficult because of survey conditions and cost. Coho salmon often do not migrate into streams until late fall. Typically during this time, heavy rains will cause reduced water clarity, which creates difficult survey conditions. Late-season escapement surveys are also limited by aerial survey budget constraints. Coho salmon escapement goals were reevaluated in 2013 (Sagalkin et al. 2013). Information adequate to establish escapement goals was only available for 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. In 2014, coho salmon escapement goals were achieved in the American, Old, and Pasagshak rivers while the Buskin River escapement goal was exceeded (Table 3).

With the exception of the Buskin River, all salmon weirs were removed 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 approximately 43% of the 2014 KMA pink salmon escapement was counted through salmon weirs (Tables 4 and 5). The 2014 pink salmon escapement of 2,733,282 fish in the Kodiak Island Archipelago was below the escapement goal range of 3,000,000–7,000,000 fish (Table 3; Sagalkin et al. 2013). The Mainland District pink salmon escapement of 254,650 fish was within the escapement goal range of 250,000–1,000,000 fish (Table 3; Sagalkin et al. 2013). District-wide peak 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 (SEGs) for the Kodiak Archipelago and the Mainland District. The majority of the 2014 chum salmon escapement was estimated from aerial surveys, with less than 1% 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 and side creeks as well as into major river systems, and also may occupy more turbid systems, making observations difficult. Limited aerial surveys were conducted on several major KMA chum salmon systems along Kodiak Island's west side 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 2014 chum salmon escapement in the Mainland District was 107,431 fish, above the minimum goal of 104,000 fish (Table 3; Sagalkin et al. 2013). The chum salmon escapement for the Kodiak Archipelago of 138,489 fish did not meet the minimum goal of 151,000 fish (Table 3; Sagalkin et al. 2013).

# 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 2014, there were 592 commercial salmon fishing permits available in the KMA, of which 333 were fished (Table 7; Commercial Fisheries Entry Commission [CFEC] 2014). This was above the recent 10-year average (2004–2013) of 307 permits fished annually.

Inseason management of the KMA commercial salmon fishery is structured around 7 districts that are subdivided into 56 sections (Appendices A1–A8). These sections are occasionally subdivided further during the 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 5 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 2014).

## 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. Prior to statehood the Alitak Bay, Moser Bay, and Olga Bay sections of the Alitak District, were designated as set gillnet only areas. In 1970, this regulation was amended such that the Alitak Bay, Moser Bay and Olga Bay sections remained set gillnet fisheries only through September 4, after which seine gear is legal in the entire Alitak District (5 AAC 18.330(d)(2)).

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)).

## BOARD OF FISHERIES—APPROVED REGULATORY MANAGEMENT PLANS

To regulate Kodiak commercial salmon fisheries, ADF&G staff are guided by 10 KMA salmon management plans (MPs) that describe biological and allocative constraints and were adopted into regulation by the BOF (5 AAC 18.360–369; 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, and they were all in effect during the 2014 season. These plans are the *Alitak District Salmon 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* (Appendix F) MPs 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 MP* and *Spiridon Bay Sockeye Salmon MP* (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 3 years. The most recent review, in January of 2014, resulted in the following 2 notable changes:

1. Provision of 5 AAC 18.361(c), concerning staggered fishing periods within the Alitak District were exempted for the 2014 through 2016 seasons as well as an increase in the Upper Station optimal escapement goal to 30,000 sockeye salmon if the department determines the Frazer Lake upper escapement goal will be exceeded.
2. 5 AAC 18.395 (c) For the entire KMA from June 1 through July 5, king salmon 28 inches or greater in length may not be retained in the commercial seine fishery. This provision is currently scheduled to sunset prior to the 2017 salmon season.

In addition, minor changes were made to boundary lines of management units and closed waters. Precise language describing the details is available in the published regulations (ADF&G 2014).

## **SALMON FORECASTS**

ADF&G forecasts salmon runs to inform 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 preseason based on the magnitude of the pink salmon forecast (Keyse 2014). Chinook, coho, pink, and chum salmon harvests are projected by broad geographic area, whereas forecasts are made for major individual sockeye salmon stocks. Projected harvests are summarized by fishery and geographic area (Table 9; Munro and Tide 2014).

The 2014 commercial Chinook salmon projected harvest was 20,000 fish (Table 9). The sockeye salmon harvest was forecasted to be 2,222,228 fish (Table 9). This projection included formal forecasts for the major sockeye salmon systems of Karluk, Ayakulik, Upper Station, and Dog Salmon, plus projected harvests from minor sockeye salmon systems, supplemental production (from enhancement projects), the Cape Igvak Section, and other minor systems. The 2014 projected KMA harvest also included 270,379 coho, 14,585,758 pink, and 777,261 chum salmon (Table 9). These projections included expected supplemental production of salmon from Kitoi Bay hatchery and the Spiridon Bay enhancement projects.

## **2014 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 2014 Kodiak Area Commercial Salmon Fishery Harvest Strategy, published in March 2014, outlined the approaching fishing season (Keyse 2014). This document contained a synopsis of the expected chronology of the 2014 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.

Sockeye salmon are the primary target species on which fishing periods are scheduled 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 the forecast of a weak early sockeye salmon run to Karluk River, the 2014 harvest strategy listed June 9 as the initial opening date of the early-run sockeye salmon fishery (Figure 3; Keyse 2014). 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 scheduled to open to continuous fishing on June 9. A commercial salmon fishing period was not likely to be announced for June 9 in the Alitak District due to the expected weak early-run sockeye salmon forecast for Dog Salmon and Upper Station. The first fishing period in the Cape Igvak Section could occur as early as June 1, if the Chignik River sockeye salmon early run was as strong as expected and 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 it 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. From June 16 to July 5, additional fishing time in Westside fisheries was based solely on the strength of the sockeye and early chum 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 preseason forecast (Munro and Tide 2014) 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 2014). Based on the forecasted pink salmon run strength, the initial pink salmon opening was set at 105 hours in length, with the 2 subsequent fishing periods following in July also set at 105 hours per week.

Adjustments in fishing time in late July and August in most areas were predicated on the strength of local pink and chum salmon runs and in September on the strength of coho salmon runs.

## **2014 COMMERCIAL SALMON FISHERY SUMMARY**

The 2014 Kodiak commercial salmon fishery began on June 5 with a 57-hour opening in the majority of the Northwest Kodiak District and the Southeast Afognak Section of the Afognak District, a 33-hour opening in the inner bay sections of the Northwest Kodiak District and an indefinite period in terminal fisheries at Foul and Waterfall bays and in the Duck Bay, Izhut Bay, Inner Kitoi Bay, and Outer Kitoi Bay sections (Appendix B1 and B2). The Chignik sockeye salmon run was exceptionally weak, and therefore no fishing time was allowed within the Cape Igvak Section during the month of June. 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. The initial 57-hour fishing period in the Outer Karluk Section as well as the Inner and Outer Ayakulik sections was allowed on June 5 and was open continuously until June 18. A 57-hour fishing period in the Inner and Outer Ayakulik sections began on June 5 and was open continuously until June 15.

The pink salmon fishery started as scheduled with a 105-hour weekly fishing period on July 6. The magnitude of the Chignik-bound sockeye salmon run was not sufficient to warrant a fishing period within the Cape Igvak Section in 2014.

Beyond the anticipated fishery openings in the harvest strategy, additional fishing opportunities were provided by EO to facilitate the 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 2014, the KMA commercial salmon harvest occurred over a 120-day period, with the last reported landing occurring on October 2 (Figure 3). A total of 12 buyers purchased salmon within the KMA in 2014 (Table 10).

## **PERMIT HOLDER PARTICIPATION**

A total of 333 KMA commercial salmon fishing permit holders reported harvests in the common property fishery in 2014. This was 8 more permits than during the 2013 season and above the recent 10-year average (2004–2013) of 307 permits (Table 7). Purse seine participation during the 2014 season (184 permits) was 14 permits more than the 2013 season (170 permits) and above the previous 10-year average of 150 permits. A total of 3 beach seine permit holders were active during the 2014 season. Set gillnet participation in the 2014 KMA commercial salmon fishing season, as portrayed in the harvest database, was 146 permits, 6 less than the 2013 season and below the recent 10-year average (2004–2013) of 155 permits (Table 7).

Set gillnet permit participation statistics from 2008 through 2010 are not comparable to either 2011–2014 and for years prior to 2008 because from 2008–2010, individual set gillnet permit holders were allowed to own 2 permits and operate 2 sets of gear. During the years in which this regulation (5 AAC 18.331 (j)) was in effect, ADF&G could not collect accurate effort statistics from the fish ticket data in the KMA set gillnet fishery because fish tickets did not document the number of dual permit holders fishing both sets of gear.

## **HARVEST**

A total of 14,750,924 salmon were harvested in the 2014 KMA commercial fisheries (common property and cost recovery combined), which was below the recent 10-year (2004–2013) average of 24,995,528 salmon (Table 6).

Purse seine permit holders caught 90.5% (12,666,166 fish) of the total number of salmon harvested, which included 7,360 Chinook, 2,401,969 sockeye, 430,482 coho, 9,550,056 pink, and 276,299 chum salmon in the common property fishery (Table 11). Set gillnet permit holders caught 9.4% (1,321,076) of the salmon harvested, which included 1,022 Chinook, 772,173 sockeye, 41,323 coho, 445,049 pink, and 60,225 chum salmon in the common property fishery (Table 11). Beach seine permit holders caught 0.1% (9,845) of the salmon harvested, which included 0 Chinook, 8,523 sockeye, 41 coho, 1,262 pink, and 19 chum salmon (Table 11).

## **CHINOOK SALMON**

The Chinook salmon harvest of 8,382 fish was below the 2004–2013 average of 18,703 fish (Table 6) and below the projected harvest of 20,000 fish (Table 9). The average weight of Chinook salmon sold in the common property fishery was 7.30 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 2,615 fish in the Northwest Kodiak District to 52 fish in the Northeast Kodiak District.

## **SOCKEYE SALMON**

The sockeye salmon harvest of 3,259,037 fish (Table 6) was well above the forecast of 2,222,228 fish (Table 9) and above the 2004–2013 average catch of 2,286,515 fish (Table 6). The average weight of sockeye salmon sold in the common property fishery was 5.23 pounds (Table 11). Approximately 67% of the sockeye salmon harvest (2,175,607 fish) came from the Westside Kodiak fishery<sup>1</sup>. The area near the Kitoi Bay Hatchery accounted for a harvest of 93,249 fish, although an unknown portion of these fish were probably not of hatchery origin. The Spiridon Lake enhancement project produced an estimated harvest of 269,918 sockeye salmon, of which 23% (62,213 fish) were harvested for cost recovery (Table 9).

## **COHO SALMON**

The coho salmon harvest of 472,035 fish (Table 6) was well above the forecast of 270,379 fish (Table 9) and also above the 2004–2013 average of 331,730 fish (Table 6). The average weight of coho salmon sold in the common property fishery was 7.74 pounds (Table 11). Westside fisheries caught approximately 146,973 coho salmon, above the forecast of 68,634 fish (Table 9). The Eastside/North end Kodiak coho salmon harvest<sup>2</sup> of 39,621 fish was below the forecast of 51,661 fish (Table 9). The Afognak non-hatchery harvest of 36,869 coho salmon was above the forecast of 19,370 fish (Table 9). The coho salmon harvest attributed to the Kitoi Bay Hatchery was 231,987 fish, which was well above the hatchery forecast of 113,321 fish (Table 9).

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<sup>1</sup> From the Southwest Afognak Section (251-10 & 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.

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

## **PINK SALMON**

The pink salmon harvest of 10,674,898 fish (Table 6) was below the harvest forecast of 14,585,758 fish (Table 9) and below the most recent 5 even-year (2004–2012) average of 17,532,134 fish (Table 6). The average pink salmon weight of 3.47 pounds (Table 11) was greater than the 2013 average weight of 3.17 pounds. The non-hatchery (wild stock) pink salmon harvest of 4,898,341 fish was well below the harvest projection of 12,041,092 fish. The Westside Kodiak fisheries harvest of 1,953,517 fish accounted for approximately 40% of the total wild KMA pink salmon harvest (4,898,341), and was well below the Westside Kodiak forecast of 6,839,158 fish (Table 9). All wild-stock pink salmon harvests were below the projected harvests in the 2014 season. The fishery associated with the Kitoi Bay Hatchery accounted for 5,779,592 pink salmon, which was well above the forecast of 2,544,666 fish (Table 9). Kitoi Bay Hatchery cost recovery fishery accounted for 12%, or 676,556, of those fish. Additional hatchery-bound pink salmon were probably 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 336,572 fish (Table 6) was well below the forecast of 777,261 fish (Table 9) and well below the 2004–2013 average of 849,247 fish (Table 6). The average weight of the chum salmon harvested in the common property fishery was 7.59 pounds (Table 11). Westside Kodiak fisheries harvested 115,318 chum salmon, which was below the forecast of 204,249 fish (Table 9), and the Eastside/Northend Kodiak fishery harvest total of 101,753 chum salmon was below the forecast of 255,530 fish. The Mainland District harvest total of 25,174 chum salmon was well below the forecast of 112,834 fish (Table 9). The chum salmon harvest attributed to the Kitoi Bay Hatchery of 45,589 fish was below the forecast of 125,977 fish (Table 9).

## **EXVESSEL VALUE**

The estimated total exvessel value of the 2014 fishery was \$42,822,400 (Table 11), which was above the 2004–2013 average exvessel value of \$32,872,495 (Table 12). This exvessel value was based on inseason price estimates and does not reflect additional 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 \$183,451 in 2014 (2004–2013 average \$171,938; Table 12). Gillnet permit holders' gross earnings averaged \$61,616 (2004–2013 average \$40,551; Table 12). Beach seine permit holders' gross earnings averaged \$23,796 (2004–2013 average \$13,822; Table 12).

## **COST RECOVERY**

KRAA has conducted a cost-recovery program to pay for operational costs at the Kitoi Bay Hatchery from 1987 through 1989 and 2003 through 2014. In 2014, KRAA conducted 2 cost-recovery programs in the KMA (KRAA 2014a; KRAA 2014b). A cost-recovery harvest occurred August 2 through August 15 within the Inner Kitoi Bay Section and included 14,159 sockeye, 189 coho, 676,556 pink, and 0 chum salmon. A cost-recovery program in Spiridon Bay SHA (in Telrod Cove) was also conducted to cover the cost of running the enhancement program for

Spiridon Lake. From June 24 through July 20, 62,213 sockeye, 1,975 pink, and 29 chum salmon were harvested in this program. The entire cost-recovery harvest supporting KRAA programs in the KMA in 2014 included 76,372 sockeye, 189 coho, 678,531 pink, and 29 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 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 overexploitation) 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 measures to restrict the subsistence fishery were necessary to conserve Afognak Lake sockeye salmon for escapement. In 2008 and 2009, the Afognak Lake sockeye salmon run was sufficient to allow subsistence harvest without increasing closed waters or shortening fishing time, although commercial fishing within the vicinity was not allowed. The 2014 Afognak Lake sockeye salmon run was strong and closed waters were reduced on June 5 to allow for more effective subsistence and commercial harvests and prevent over-escapement of sockeye salmon into Afognak Lake.

The 2014 Chinook salmon run to the Ayakulik and Karluk rivers were both weak necessitating closure of the subsistence fishery for Chinook salmon. On June 20, the Karluk and Ayakulik river drainages which included the Karluk River lagoon, subsistence fishing for Chinook salmon closed to conserve fish for spawning escapement.

In 2014, 1,626 permit holders returned subsistence permits and reported a harvest of 27,449 salmon, including 183 Chinook, 22,594 sockeye, 3,915 coho, 573 pink, and 184 chum salmon (Table 13). Historically, the most utilized subsistence fishery 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 32,514 fish annually for the 10-year period 2004–2013 (Table 13). Sockeye salmon have accounted for 80% of the recent 10-year average harvest (25,980 fish), followed by coho salmon at 14% (4,563 fish), pink salmon at 5% (1,472 fish), and both Chinook salmon (209 fish) and chum salmon (290 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 2014, 77 permit holders reported retaining 8,843 salmon from their commercial harvest for “home pack” or personal use. This included 189 Chinook, 3,371 sockeye, 2,230 coho, 3,035 pink, and 18 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	1	6	36	69	29
Southwest Kodiak	11	2	3	6	11	6
Alitak	31	1	8	16	31	22
Eastside Kodiak	104	1	9	39	104	57
Northeast Kodiak	29	2	4	29	25	14
Mainland	101	0	7	21	101	70
TOTAL	442	7	61	235	438	214

<sup>a</sup> The State of Alaska's Division of Sport Fish identifies over 900 streams in the Kodiak Management Area that have documented use by anadromous fish (Johnson and Litchfield 2015). 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, 1994–2014.

Year	Number of salmon				
	Sockeye	Coho	Pink	Chum	Total
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
2014	377,800	231,987	5,779,624	45,621	6,435,032
<u>Average</u>					
2004–2013	294,286	113,853	6,107,275	174,128	6,689,542

*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 Settler 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 2014 salmon peak escapements and escapement goals of index streams or districts, by species, in the Kodiak Management Area.

Species	System (or group of systems)	Stream number	Escapement goal		Escapement estimate <sup>a</sup>
			Lower	Upper	
Chinook	Karluk <sup>b</sup>	255-101	3,000	6,000	1,182
	Ayakulik <sup>b</sup>	256-201	4,000	7,000	917
Sockeye	Malina	251-105	1,000	10,000	4,900
	Afognak	252-342	20,000	50,000	36,345
	Uganik	253-122	24,000		14,000
	Karluk	255-101			
	Early run		110,000	250,000	236,144
	Late run		170,000	380,000	559,422
	Ayakulik	256-201			
	Early run		140,000	280,000	210,040
	Late run		60,000	120,000	87,671
	Upper Station	257-304			
	Early run <sup>c</sup>		30,000	93,000	36,693
	Late run		120,000	265,000	181,511
	Frazer	257-403	75,000	170,000	200,296
	Buskin	259-211	5,000	8,000	13,976
	Pasagshak	259-411	3,000		1,582
	Saltery	259-415	15,000	35,000	29,047
Coho	Buskin	259-211	3,200	7,200	8,413
	American	259-231	400		1,595
	Olds (Sid Olds)	259-242	1,000		1,576
	Pasagshak	259-411	1,200		4,934
Pink	Mainland District		250,000	1,000,000	254,650
	Kodiak Archipelago		3,000,000	7,000,000	2,733,282
Chum	Mainland District		104,000		107,431
	Kodiak Archipelago		151,000		138,489

<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 30,000 fish.

Table 4.—Fish weir installation and removal dates and cumulative salmon weir counts for systems with weirs in the Kodiak Management Area, 2014.

Weir locations	2014 Dates		Salmon species enumerated <sup>a</sup>				
	Installed	Removed	Chinook	Sockeye	Coho	Pink	Chum
Karluk River	24-May	8-Sep	1,182	795,566	3,331	585,360	45
Ayakulik River	22-May	4-Sep	917	297,711	24,127	529,282	32
Dog Salmon Creek <sup>b,c</sup>	26-May	19-Aug	39	217,461	863	119,352	1,403
Frazer Lake fish pass <sup>c</sup>	3-Jun	20-Aug	17	200,296	0	646	0
Upper Station River (Olga River)	24-May	16-Sep	0	218,234	6,825	4,281	2
Litnik (Afognak River)	11-May	24-Aug	1	36,345	3,224	18,408	0
Buskin River	17-May	29-Aug	0	13,976	8,413	48,918	7
Lake Louise <sup>d</sup>	4-Jun	29-Aug	0	925	0	0	0
Saltery River	18-Jun	10-Aug	0	31,772	5	8,325	2
Pasagshak River	11-Jun	12-Aug	0	1,582	0	14	1
Pauls Bay	27-May	9-Aug	0	18,171	801	377	48
Totals			2,139	1,614,578	47,589	1,314,317	1,540

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

<sup>b</sup> Because sockeye salmon that pass Dog Salmon weir and 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, 1979–2014.

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

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Table 5.—Page 2 of 2.

Year	Number of salmon					
	Chinook	Sockeye	Coho	Pink	Chum	Total
2011	7,820	1,014,840	83,812	2,780,214	422,130	4,308,816
2012	8,110	1,302,793	119,672	5,524,374	341,334	7,296,283
2013	4,291	1,326,677	77,310	5,071,191	397,499	6,876,968
2014	2,139	1,641,574	85,000	2,987,932	245,920	4,962,565
<u>Average—previous 10 years:</u>						
2004–2013	9,909	1,228,171	85,689	4,655,271	383,754	6,362,794
Odd Years Only				3,916,124		
Even Years Only				5,394,418		
<u>Average—previous decades:</u>						
2000–2009	16,608	1,446,467	114,928	5,092,811	473,392	7,144,206
1990–1999	24,802	1,923,221	209,979	5,011,192	522,913	7,692,107
1980–1989	18,403	1,838,884	117,699	5,014,979	799,879	7,789,845
<u>Average—overall:</u>						
1979–2013	18,325	1,664,073	140,260	4,893,527	572,469	7,288,654

*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, which 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, 1882–2014.

Year	Number of salmon <sup>a</sup>					Total
	Chinook	Sockeye	Coho	Pink	Chum	
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

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Table 6.–Page 2 of 4.

Year	Number of salmon <sup>a</sup>					Total
	Chinook	Sockeye	Coho	Pink	Chum	
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
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

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Table 6.–Page 3 of 4.

Year	Number of salmon <sup>a</sup>					Total
	Chinook	Sockeye	Coho	Pink	Chum	
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
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	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	2,232,441	208,514	16,873,244	866,381	20,195,365

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Table 6.–Page 4 of 4.

Year	Number of salmon <sup>a</sup>					Total
	Chinook	Sockeye	Coho	Pink	Chum	
2013	34,028	2,573,757	268,799	28,192,164	794,054	31,862,802
2014	8,382	3,259,037	472,035	10,674,898	336,572	14,750,924
<u>Averages<sup>b</sup></u>						
2004–2013	18,703	2,286,515	331,730	21,509,334	849,247	24,995,528
Even years, 2004–2012				17,532,134		
Odd years, 2005–2013				25,486,534		
1882–2013	5,806	1,835,389	135,775	8,556,929	627,557	9,549,809
1949–2013	8,849	1,687,067	175,696	11,363,327	813,332	14,048,272
Even years, 1950–2012				10,704,939		
Odd years, 1949–2013				12,021,714		

*Source:* 1882–1947 data are from processors' case pack information. 1948–2014 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, 1980–2014.

Year	Purse seine		Beach seine		Set gillnet		Total		
	Available	Fished	Available	Fished	Available	Fished	Available	Fished	Percent
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
2014	373	184	31	3	188	146	592	333	56

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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>									
2004–2013	375	150	31	2	188	155	594	307	52
<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>									
1980–2014	382	241	34	10	188	165	604	417	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, 2014.

Management plan	Year initiated	Management units affected	Dates in effect
Cape Igvak Salmon	1978	Cape Igvak Section Wide Bay Section	6/5–7/25
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 Hollo 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	6/9–10/31
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 2014 commercial salmon harvest, by species and fishery, for the Kodiak Management Area.

	Number of salmon					Total
	Chinook	Sockeye	Coho	Pink	Chum	
Projected harvest 2014 <sup>a</sup>	20,000	2,222,228	270,379	14,585,758	777,261	17,875,626
Actual harvest 2014 <sup>a</sup>	8,571	3,266,317	474,265	10,677,933	336,590	14,763,676

Fishery	2014 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>	49,630	32,800
Cape Igvak <sup>e</sup>	65,668	0
Karluk <sup>f</sup>	107,786	447,154
Ayakulik <sup>g</sup>	201,614	247,783
Alitak District <sup>h</sup>	15,583	186,844
Minor Enhancement <sup>i</sup>	22,140	14,633
Spiridon <sup>j</sup>	273,609	121,057
Other <sup>k</sup>	536,446	199,921
Subtotal	1,272,476	1,250,192
Late sockeye salmon fisheries (7/16–10/31 except Cape Igvak which is 7/8–7/25)		
Kitoi Bay Hatchery <sup>d</sup>	21,270	60,449
Cape Igvak <sup>e</sup>	61,271	0
Karluk <sup>f</sup>	398,578	1,373,691
Ayakulik <sup>g</sup>	86,406	106,979
Alitak District <sup>h</sup>	35,061	67,756
Spiridon <sup>j</sup>	117,261	148,861
Other <sup>k</sup>	229,905	258,389
Subtotal	949,752	2,016,125
Total Sockeye	2,222,228	3,266,317
Coho salmon fisheries		
Kitoi Bay Hatchery <sup>d</sup>	113,321	231,987
Afognak (non-hatchery) <sup>l</sup>	19,370	36,869
Westside Kodiak <sup>m</sup>	68,634	146,973
Alitak District	7,101	4,269
Eastside/Northend Kodiak <sup>n</sup>	51,661	39,621
Mainland District	10,292	14,546
Subtotal	270,379	474,265

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Table 9.–Page 2 of 3.

Fishery	2014 harvest	
	Projection <sup>b</sup>	Actual <sup>c</sup>
<b>Pink salmon fisheries</b>		
Kitoi Bay Hatchery <sup>d</sup>	2,544,666	5,779,592
Afognak (non-hatchery) <sup>l</sup>	2,763,573	1,400,967
Westside Kodiak <sup>m</sup>	6,839,158	1,953,517
Alitak District <sup>n</sup>	984,085	661,859
Eastside/Northend Kodiak <sup>n</sup>	932,961	727,157
<u>Mainland District</u>	<u>521,315</u>	<u>154,841</u>
Subtotal/Wild stock pinks	12,041,092	4,898,341
Subtotal/all pinks	14,585,758	10,677,933
<b>Chum salmon fisheries</b>		
Kitoi Bay Hatchery <sup>d</sup>	125,977	45,589
Afognak (non-hatchery) <sup>l</sup>	38,684	35,146
Westside Kodiak <sup>m</sup>	204,249	115,318
Alitak District	39,987	13,610
Eastside/Northend Kodiak <sup>n</sup>	255,530	101,753
<u>Mainland District</u>	<u>112,834</u>	<u>25,174</u>
Subtotal	777,261	336,590
Grand total <sup>o</sup>	17,875,626	14,763,676
<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, 2012). <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 31. <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>h</sup> From the Alitak District.		

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- <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 2014 harvest of 20,000 Chinook salmon and the actual harvest of 8,571 Chinook salmon.

Table 10.—Commercial salmon buyers and processing plants active in the Kodiak Management Area, by geographic area and type, 2014.

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					
Old Finest		X				
Rich Blanc				X		
Peterson Plus				X		
Totals	7	3	0	2	0	0

Table 11.—Commercial salmon harvest and value, by gear and species, in the Kodiak Management Area, 2014.

	Number of salmon						
	Chinook	Sockeye	Coho	Pink	Chum	Total	
Purse seine							
Total # <sup>a</sup>	7,360	2,401,969	430,482	9,550,056	276,299	12,666,166	90.5
Avg. wt.	6.95	5.11	7.72	3.45	7.55		
Total lbs. <sup>a</sup>	51,148	12,283,813	3,322,409	32,983,161	2,085,842	50,726,373	88.0
Avg. \$/lb. <sup>b</sup>	\$1.32	\$1.75	\$0.66	\$0.27	\$0.48		
Exvessel value (\$)	\$67,706.45	\$21,540,083.75	\$2,207,541.44	\$8,935,138.31	\$1,004,595.74	\$33,755,065.68	78.8
# of permits = 184							
Average value (\$)	\$367.97	\$117,065.67	\$11,997.51	\$48,560.53	\$5,459.76	\$183,451.44	
Percent (%)	0.2	63.8	6.5	26.5	3.0	100.0	
Beach seine							
Total # <sup>a</sup>	0	8,523	41	1,262	19	9,845	0.1
Avg. wt.	-	4.63	9.41	3.84	9.05		
Total lbs. <sup>a</sup>	0	39,429	386	4,849	172	44,836	0.1
Avg. \$/lb. <sup>b</sup>	\$0.00	\$1.77	\$0.55	\$0.27	\$0.45		
Exvessel value (\$)	\$0.00	\$69,789.33	\$212.30	\$1,309.23	\$77.40	\$71,388.26	0.2
# of permits = 3							
Average value (\$)	\$0.00	\$23,263.11	\$70.77	\$436.41	\$25.80	\$23,796.09	
Percent (%)	0.0	97.8	0.3	1.8	0.1	100.0	
Set gillnet							
Total # <sup>a</sup>	1,022	772,173	41,323	445,049	60,225	1,319,792	9.4
Avg. wt.	9.82	5.60	8.01	3.84	7.79		
Total lbs. <sup>a</sup>	10,031	4,320,336	331,077	1,709,644	469,306	6,840,394	11.9
Avg. \$/lb. <sup>b</sup>	\$1.81	\$1.89	\$0.54	\$0.26	\$0.41		
Exvessel value (\$)	\$18,165.04	\$8,163,516.81	\$178,034.34	\$442,214.81	\$194,014.85	\$8,995,945.85	21.0
# of permits = 146							
Average value (\$)	\$124.42	\$55,914.50	\$1,219.41	\$3,028.87	\$1,328.87	\$61,616.07	
Percent (%)	0.2	90.7	2.0	4.9	2.2	100.0	
Total all gear							
Total # <sup>a</sup>	8,382	3,182,665	471,846	9,996,367	336,543	13,995,803	100.0
Avg. wt.	7.30	5.23	7.74	3.47	7.59		
Total lbs. <sup>a</sup>	61,179	16,643,578	3,653,872	34,697,654	2,555,320	57,611,603	100.0
Avg. \$/lb. <sup>b</sup>	\$1.40	\$1.79	\$0.65	\$0.27	\$0.47		
Exvessel value (\$)	\$85,871.49	\$29,773,389.89	\$2,385,788.08	\$9,378,662.35	\$1,198,687.99	\$42,822,399.79	100.0
% of total value	0.2	69.5	5.6	21.9	2.8	100.0	

<sup>a</sup> Numbers and pounds of fish are derived from ADF&G fish ticket summaries. There were 9,368 fish tickets generated in 2014; each ticket represents a landing. Each gear type had the following landings: Purse Seine – 4,960; Beach Seine – 38; Set Gillnet – 4,370. Numbers do not include commercially harvested salmon retained for personal use or subsistence, sport fishery, or cost-recovery harvests.

<sup>b</sup> Figures for average price per pound 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, 2004–2014.

Year	Total catch <sup>a</sup>	Total value <sup>b</sup>	Average exvessel value <sup>c</sup>		
			Purse seine	Gillnet	Beach seine
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	\$24,820,388	\$150,038	\$33,926	<sup>d</sup>
2007	26,239,484	\$28,174,695	\$148,504	\$41,404	\$3,484
2008	10,127,638	\$25,806,691	\$143,819	\$43,202	\$0
2009	28,338,446	\$33,698,297	\$174,566	\$44,918	<sup>d</sup>
2010	10,291,590	\$24,269,085	\$130,009	\$25,728	<sup>d</sup>
2011	18,228,922	\$44,247,720	\$225,633	\$31,155	\$13,750
2012	19,032,409	\$44,988,487	\$219,164	\$52,084	\$16,367
2013	30,145,552	\$59,391,598	\$304,526	\$55,673	\$24,487
2014	13,995,803	\$42,822,400	\$183,451	\$61,616	\$23,796
<b>Recent 10-year average<sup>e</sup></b>					
2004–2013	23,179,377	\$32,872,495	\$171,938	\$40,551	\$13,822

<sup>a</sup> Number of fish. Does not include fish retained for personal use, ADF&G test fishery, or cost-recovery harvests.

<sup>b</sup> Exvessel values based on inseason price estimates and do not include postseason adjustments.

<sup>c</sup> Exvessel value is based on fish ticket information. These average values may not reflect payments made to harvesters for iced fish or dock deliveries, and does not include any postseason adjustments.

<sup>d</sup> Confidential data.

<sup>e</sup> Beach Seine recent 10-year average exvessel value does not include years in which no permit made a delivery.

Table 13.—Subsistence salmon fishery harvest from ADF&G permit reports, by species, for the Kodiak Management Area, 1978–2014.

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	60	205	17,962	7,491	1,758	440	27,856
1995	<sup>c</sup>	1,950	62	175	19,416	5,603	1,548	293	27,035
1996	<sup>c</sup>	1,567	90	253	28,287	5,117	1,125	381	35,163
1997	<sup>c</sup>	2,098	76	383	33,293	6,369	1,458	234	41,737
1998	<sup>c</sup>	1,845	57	350	20,459	5,348	1,412	214	27,783
1999	<sup>c</sup>	1,422	87	397	26,534	4,974	1,229	388	33,522
2000	<sup>c</sup>	1,710	84	351	31,667	6,383	977	375	39,753
2001	<sup>c</sup>	2,376	83	273	33,878	5,920	1,158	427	41,656
2002	<sup>c</sup>	2,276	90	588	33,844	6,175	1,665	350	42,622
2003	<sup>c</sup>	2,268	90	510	32,193	6,098	1,509	388	40,698
2004	<sup>c</sup>	2,239	92	379	30,503	5,857	1,403	261	38,403
2005	<sup>c</sup>	2,290	85	434	27,664	7,703	2,350	592	38,743
2006	<sup>c</sup>	2,096	91	280	22,985	6,640	1,827	441	32,173
2007	<sup>c</sup>	2,096	92	207	25,656	4,715	1,585	266	32,429
2008	<sup>c</sup>	2,037	85	159	21,852	4,570	1,180	186	27,947
2009	<sup>c</sup>	1,926	92	176	23,134	4,127	1,926	345	29,708
2010	<sup>c</sup>	2,022	93	158	22,200	4,200	1,266	273	28,097
2011	<sup>c</sup>	2,210	90	122	34,037	2,367	1,199	198	37,923
2012	<sup>c</sup>	2,120	88	54	24,006	2,920	1,154	166	28,300
2013	<sup>c</sup>	2,079	82	119	27,764	2,528	826	175	31,412
2014	<sup>c</sup>	1,996	81	183	22,594	3,915	573	184	27,449
<u>Recent 10-year average</u>									
2004–2013	2,112	1,880	89	209	25,980	4,563	1,472	290	32,514
species composition by percent				1%	80%	14%	5%	1%	100%
<u>Averages<sup>b</sup> – Previous decades:</u>									
1990–1999	1,905	1,742	91	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>									
1978–2013	1,773	1,562	80	219	21,864	5,704	1,838	472	30,097

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*Source:* 1981 and 1986 to 2014 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 it may not represent the total KMA subsistence salmon harvest.

- <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, 1997–2014.

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	38	49	1,393	936	1,002	6	3,386
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	4,116	1,971	1,413	31	7,726
2013	64	152	592	3,032	1,164	5,721	1,067	11,576
2014	77	159	189	3,371	2,230	3,035	18	8,843
10-year average:								
2004–2013	34	71	142	2,520	1,414	2,882	134	7,093

Source: ADF&G fish ticket database

<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).

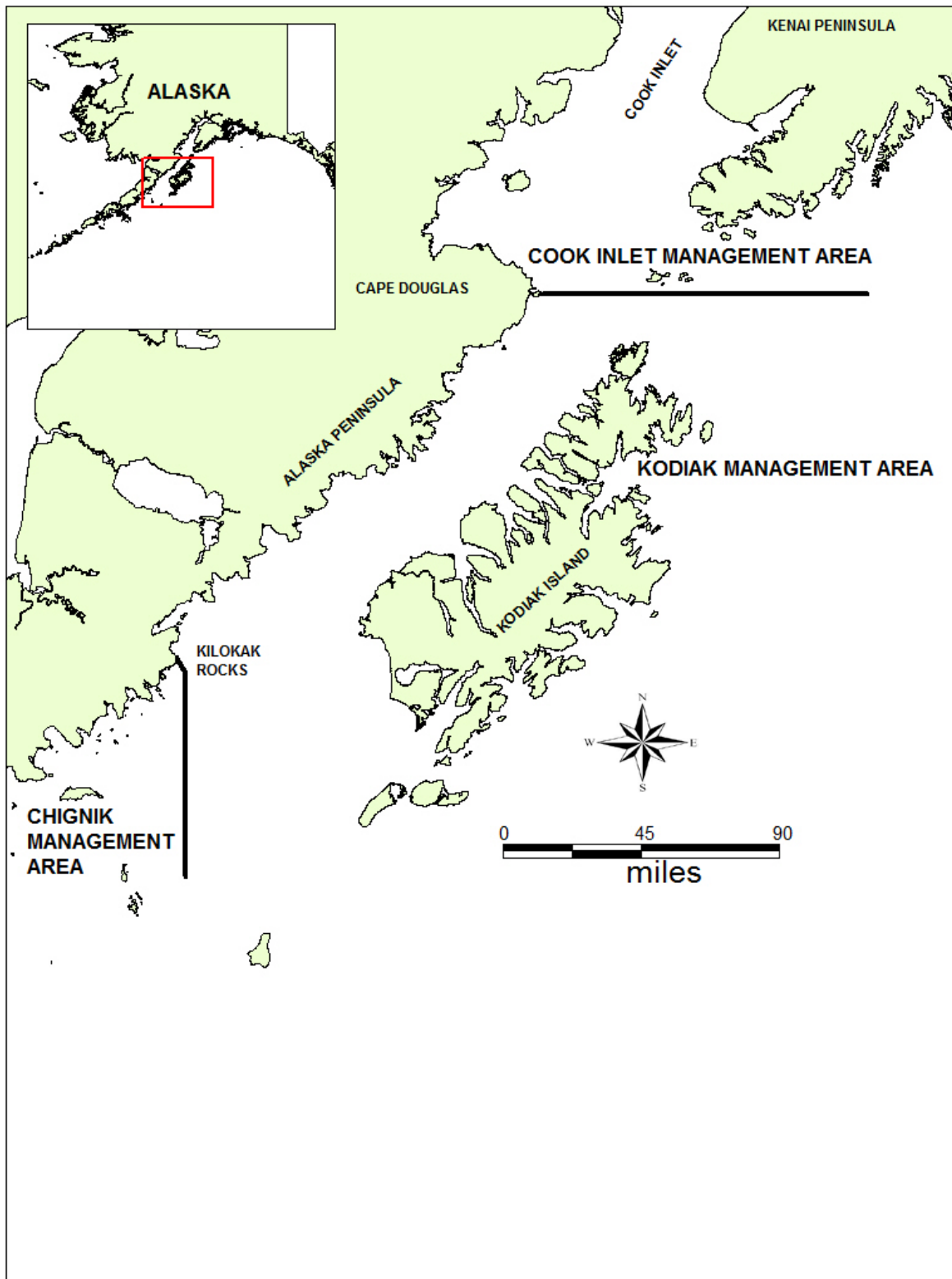


Figure 1.—Map of the Kodiak Management Area and neighboring management areas, 2014.

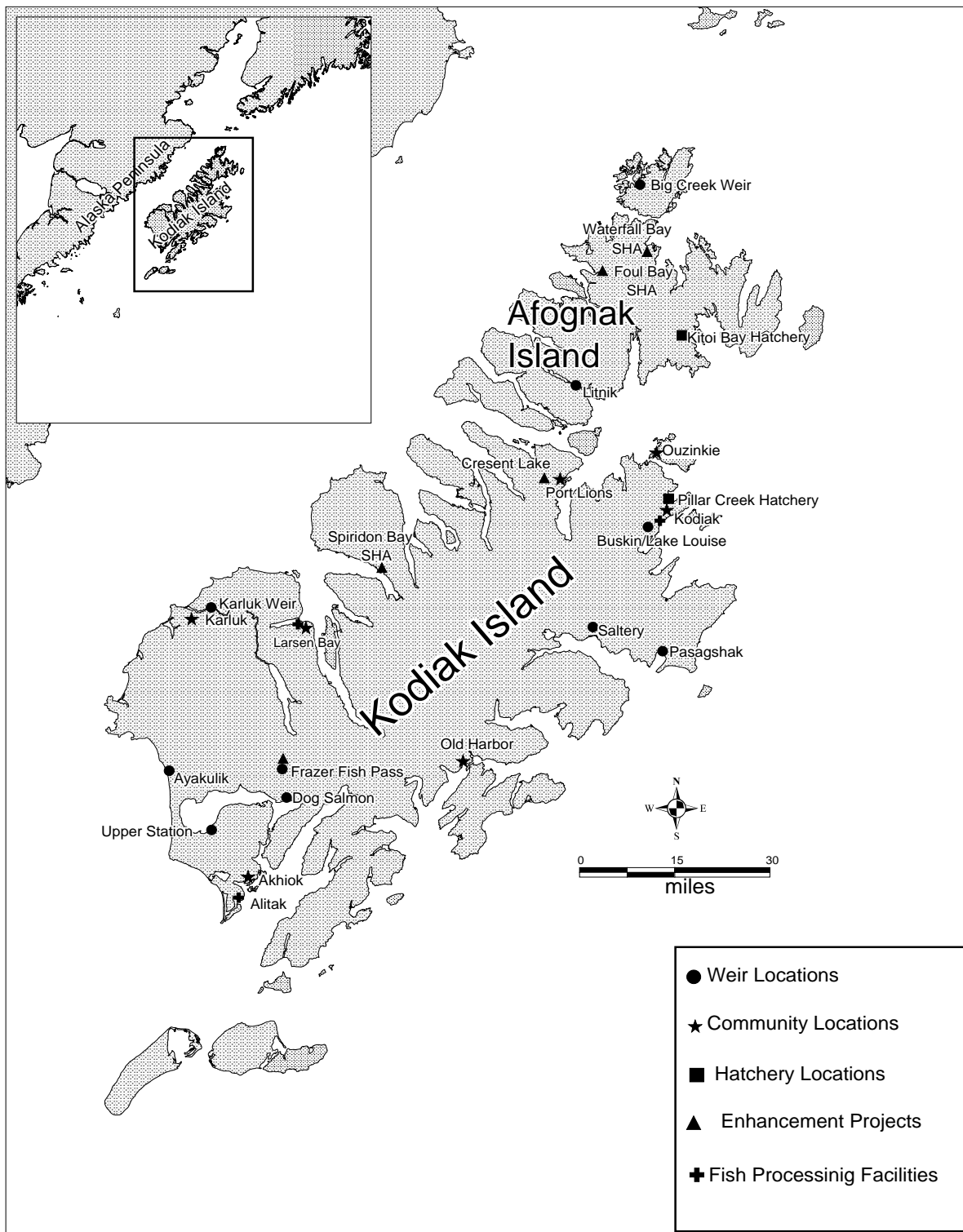


Figure 2.—Map of the Kodiak Archipelago showing communities, fish processing facilities, sockeye salmon enhancement projects, and weir and hatchery locations in the Kodiak Management Area, 2014.

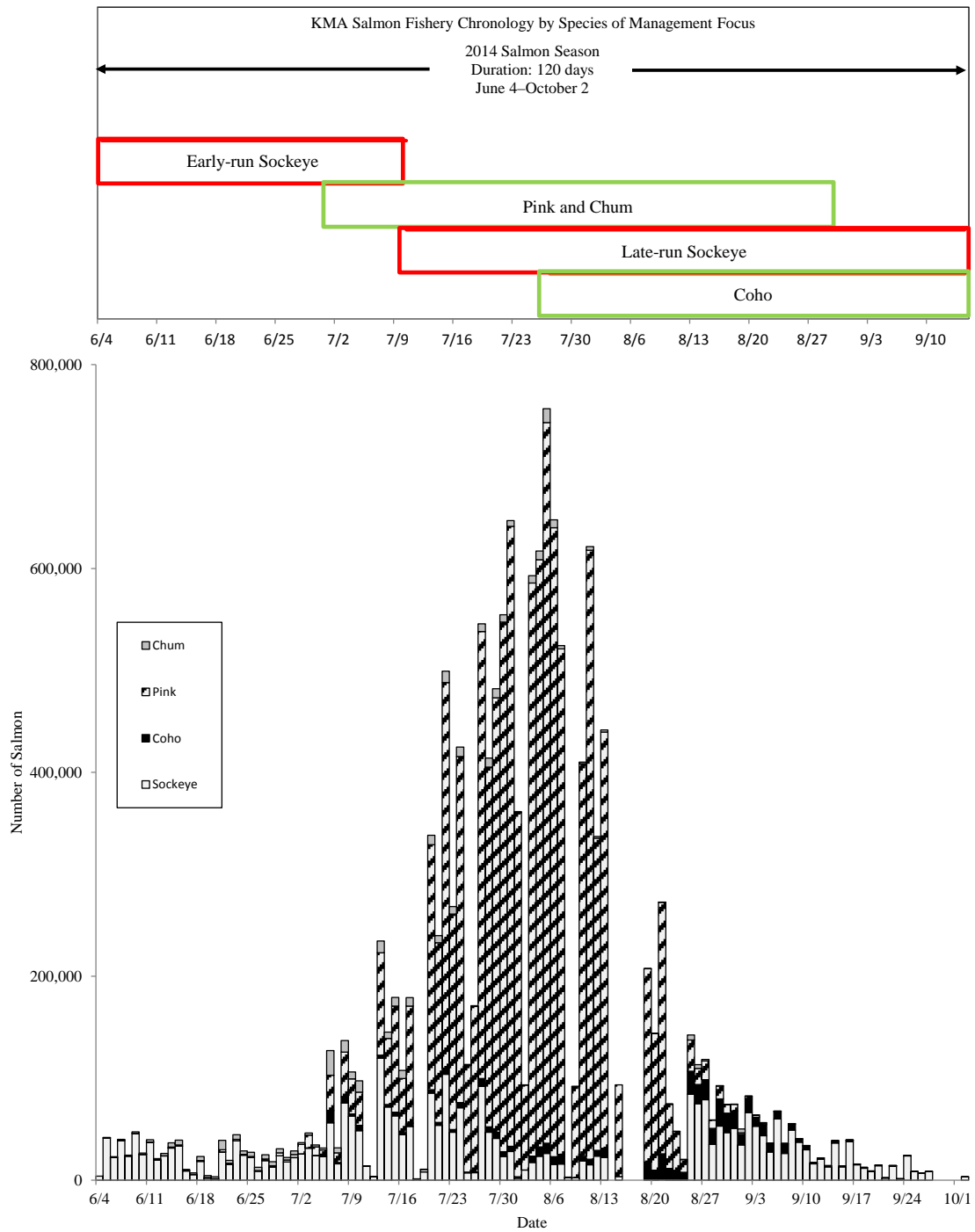
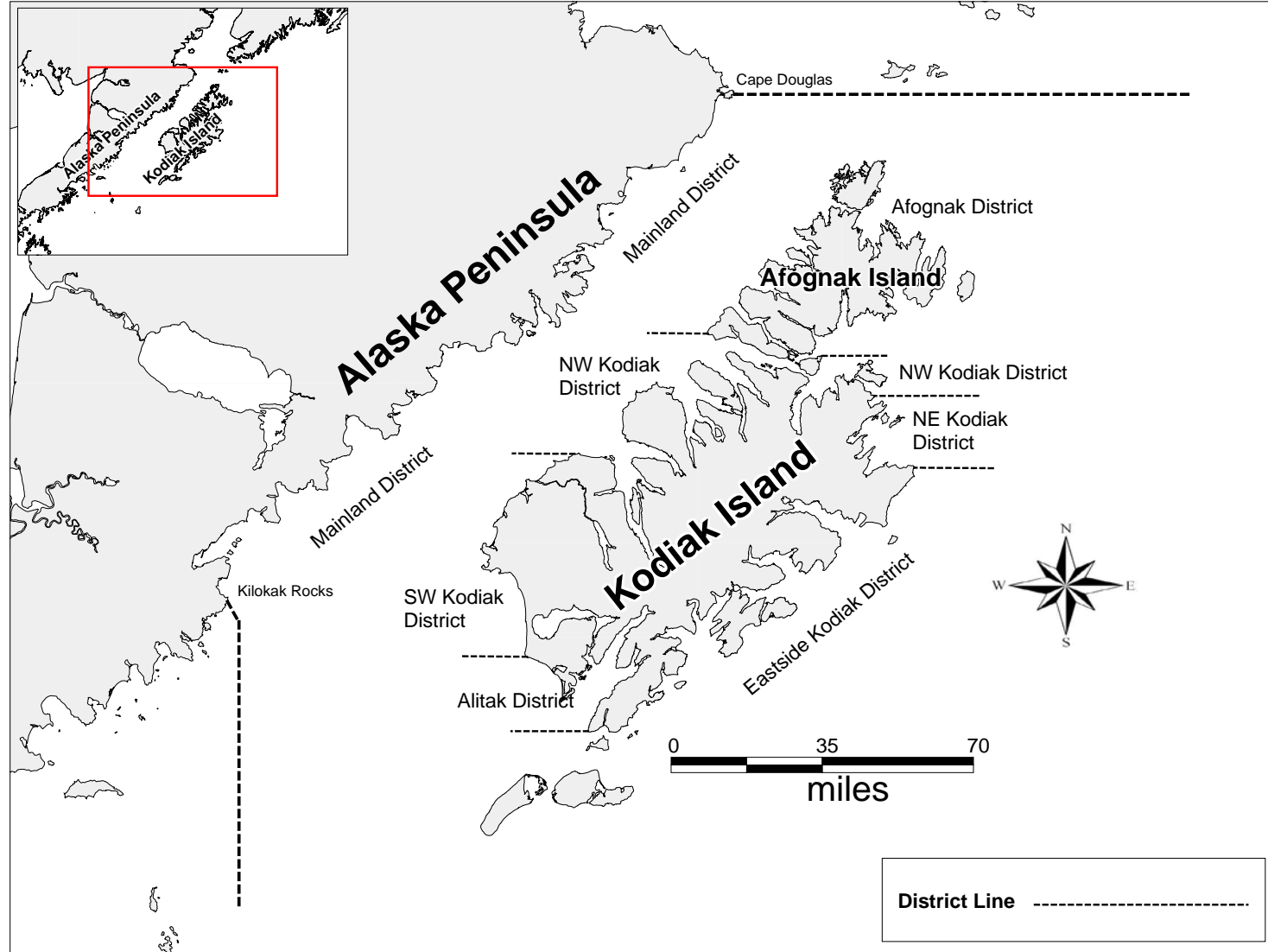
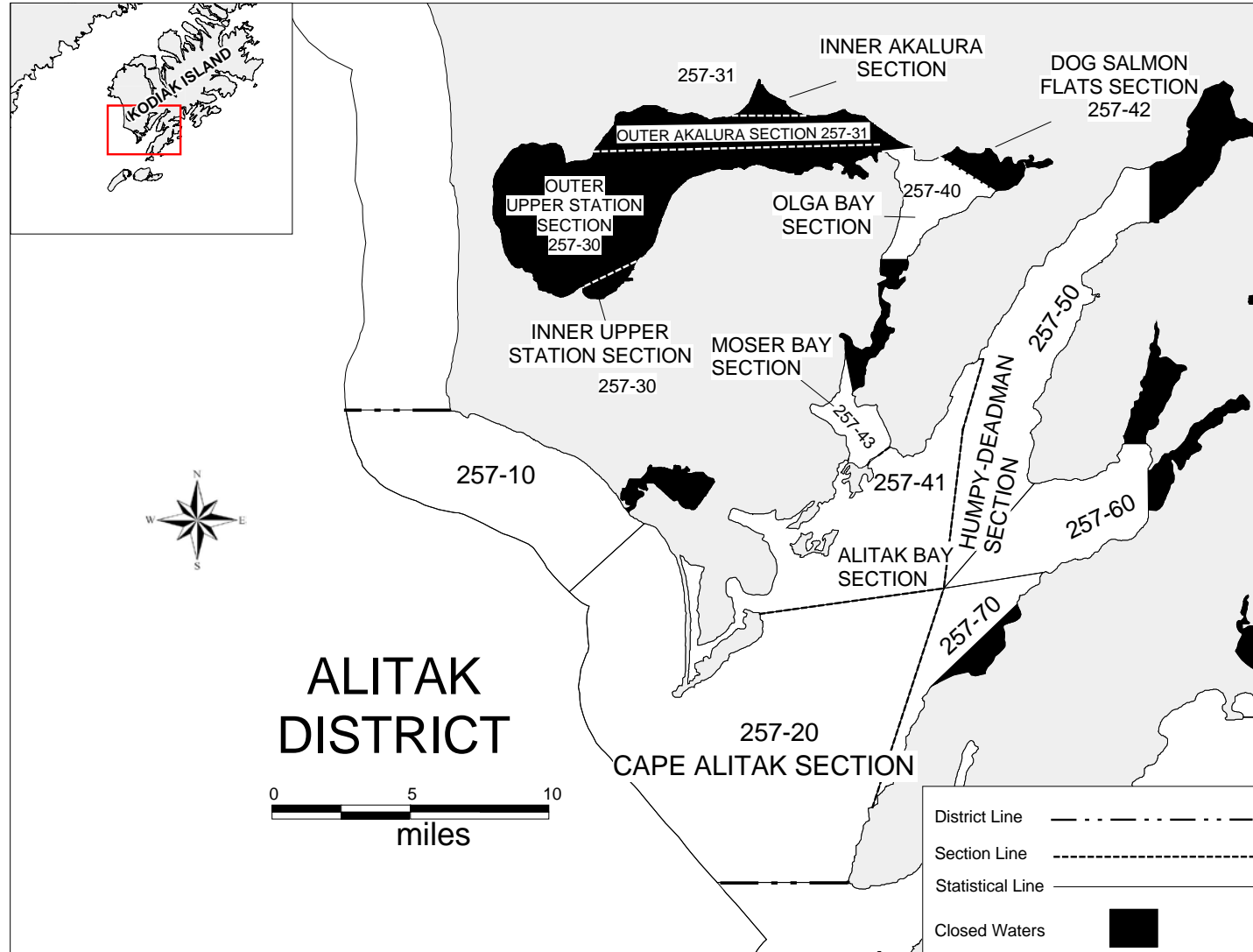


Figure 3.—Commercial salmon fishery chronology and daily harvest by date and species of management focus, Kodiak Management Area, 2014.

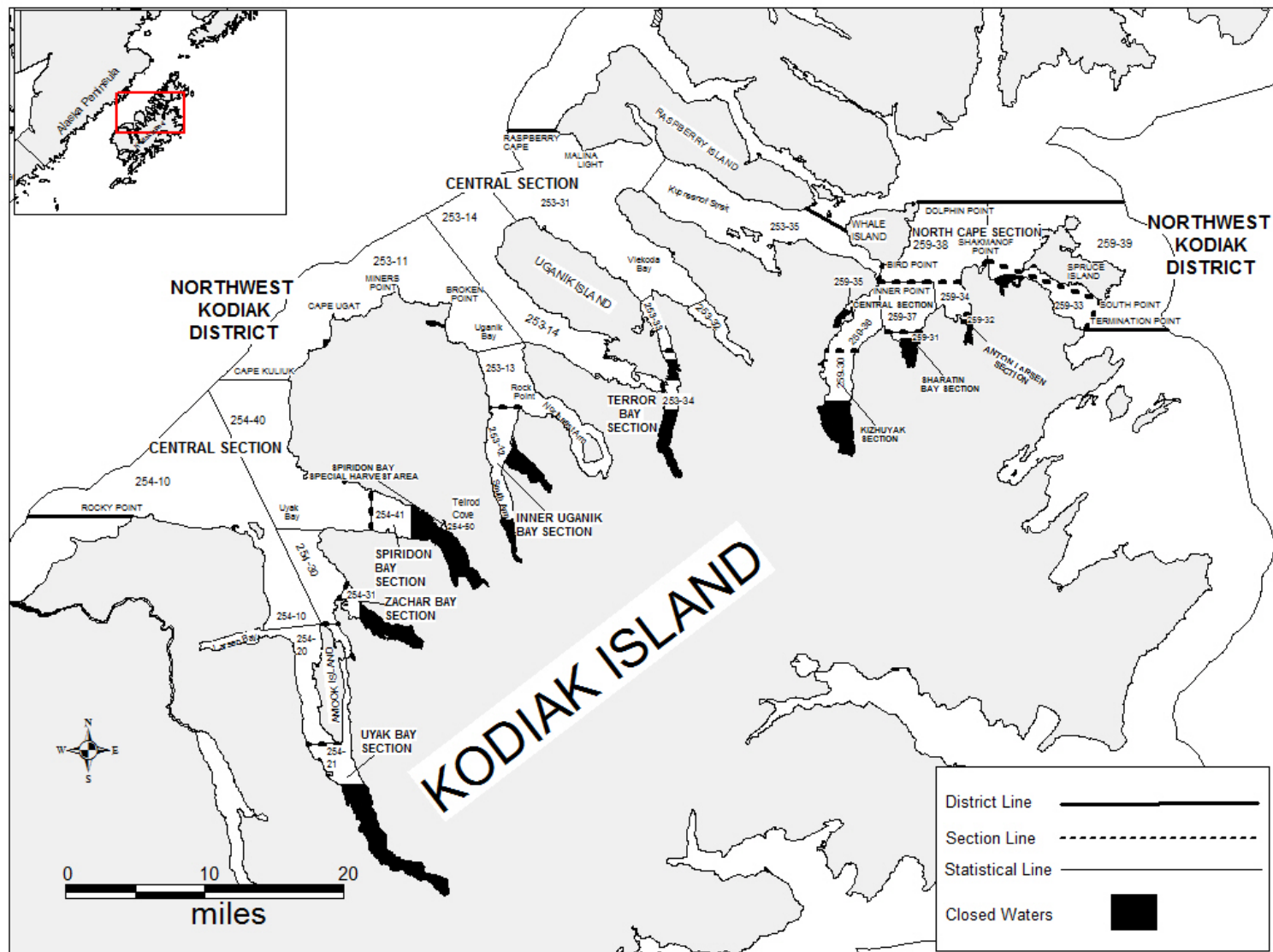
## **APPENDIX A. MAPS OF FISHING DISTRICTS**



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

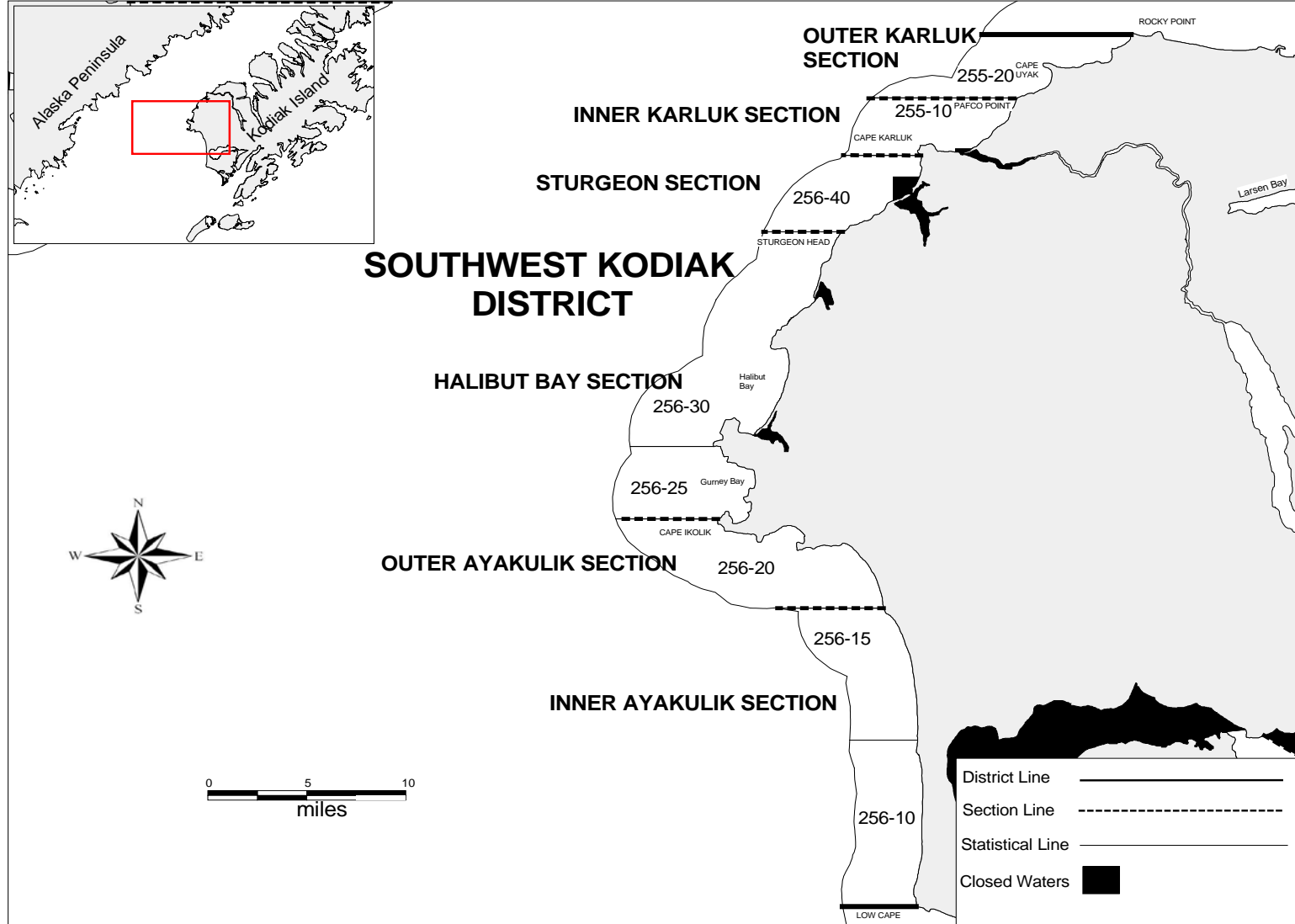


Appendix A2.—Map of the Alitak District commercial salmon fishing sections and statistical areas.



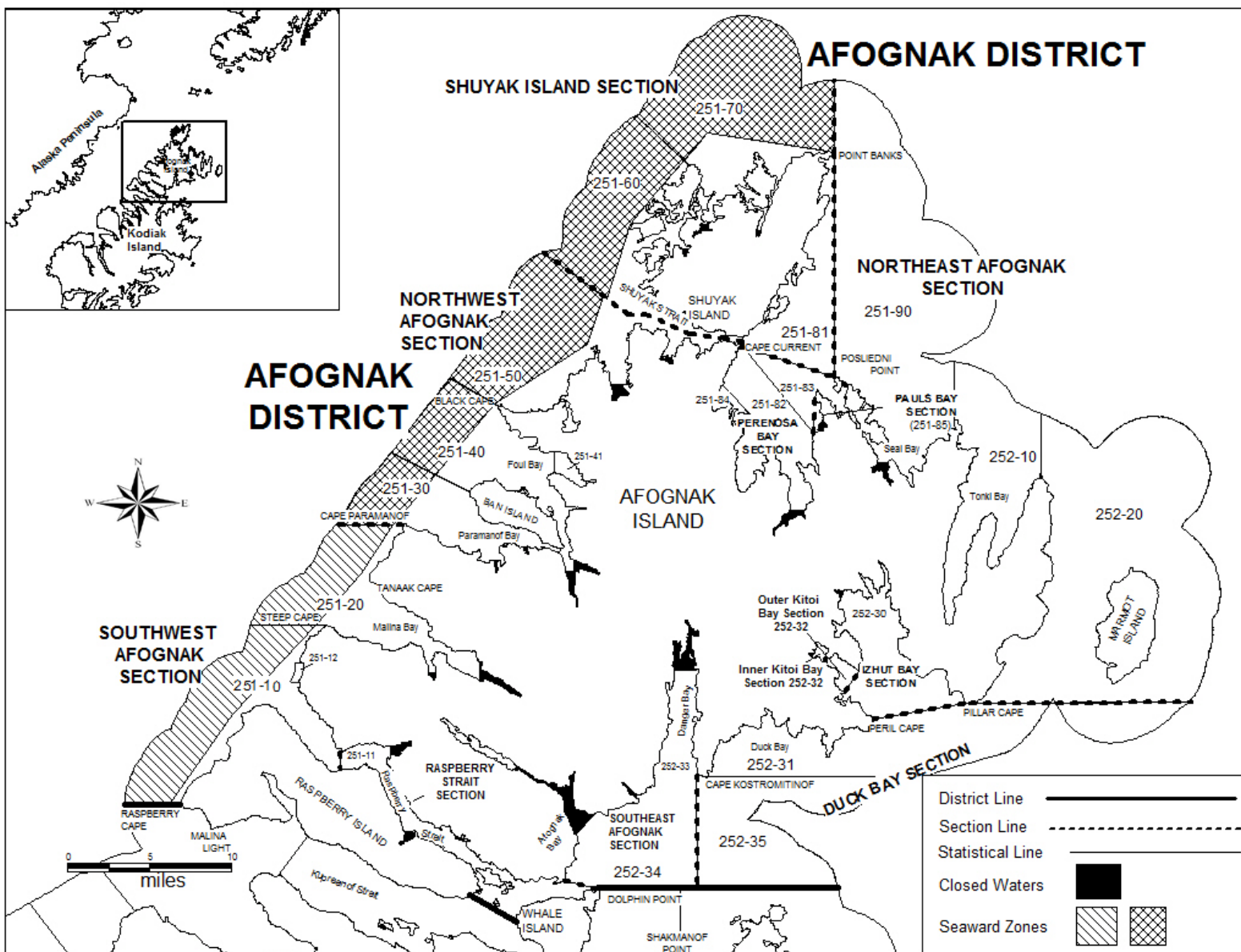
Appendix A3.—Map of the Northwest Kodiak District commercial salmon fishing sections and statistical areas.



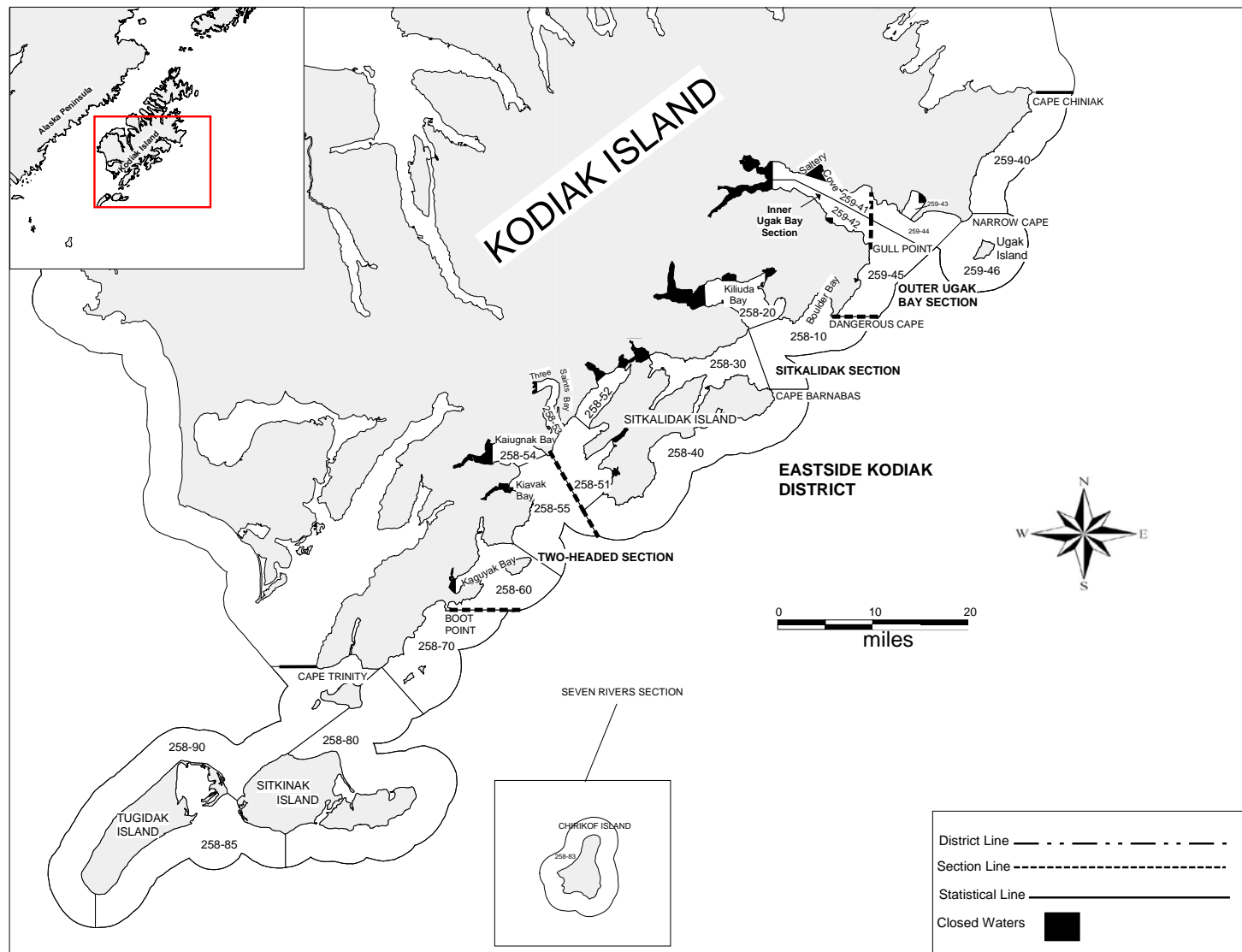


Appendix A4.—Map of the Southwest Kodiak District commercial salmon fishing sections and statistical areas.

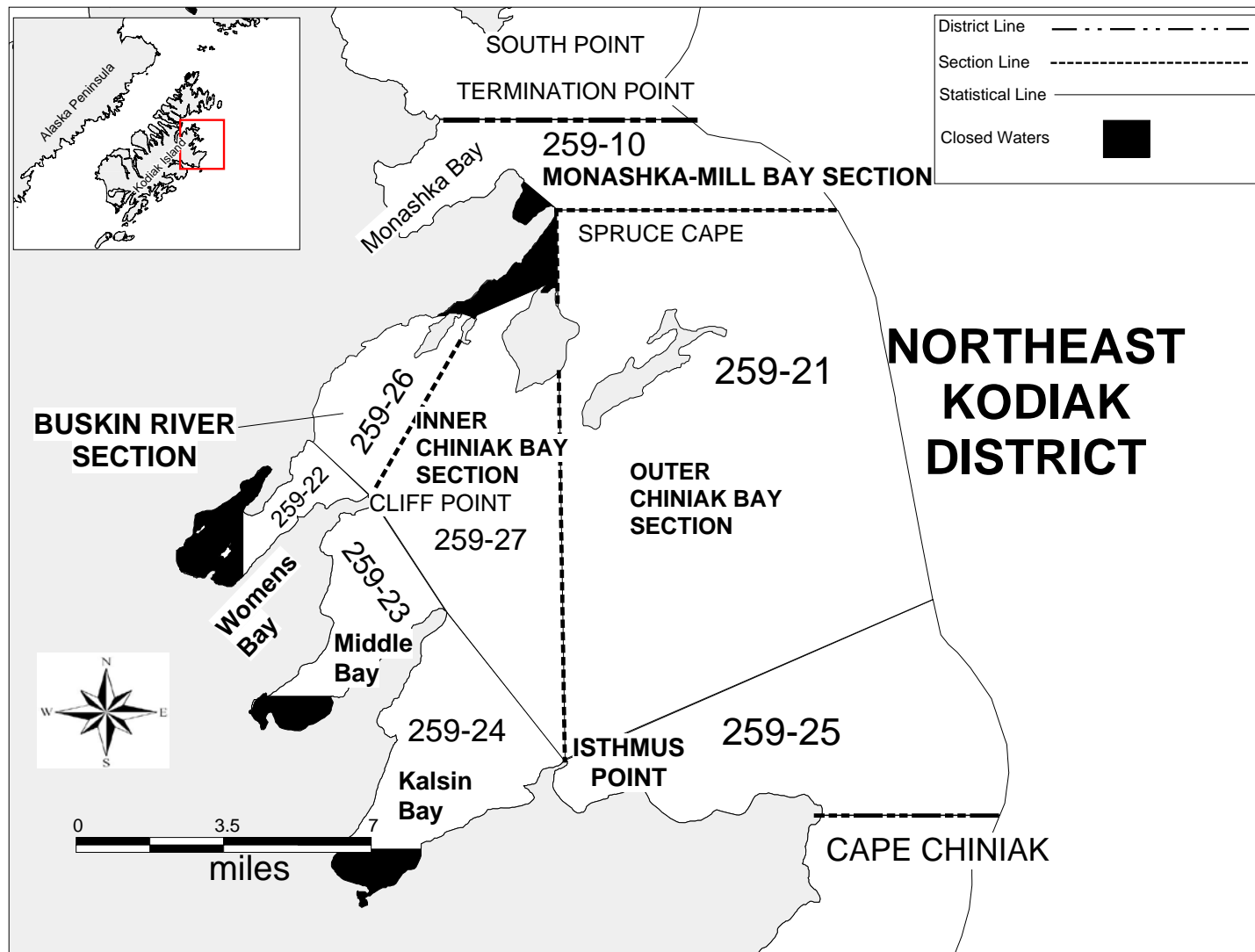




Appendix A6.—Map of the Afognak District commercial salmon fishing sections and statistical areas.



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, 2014.

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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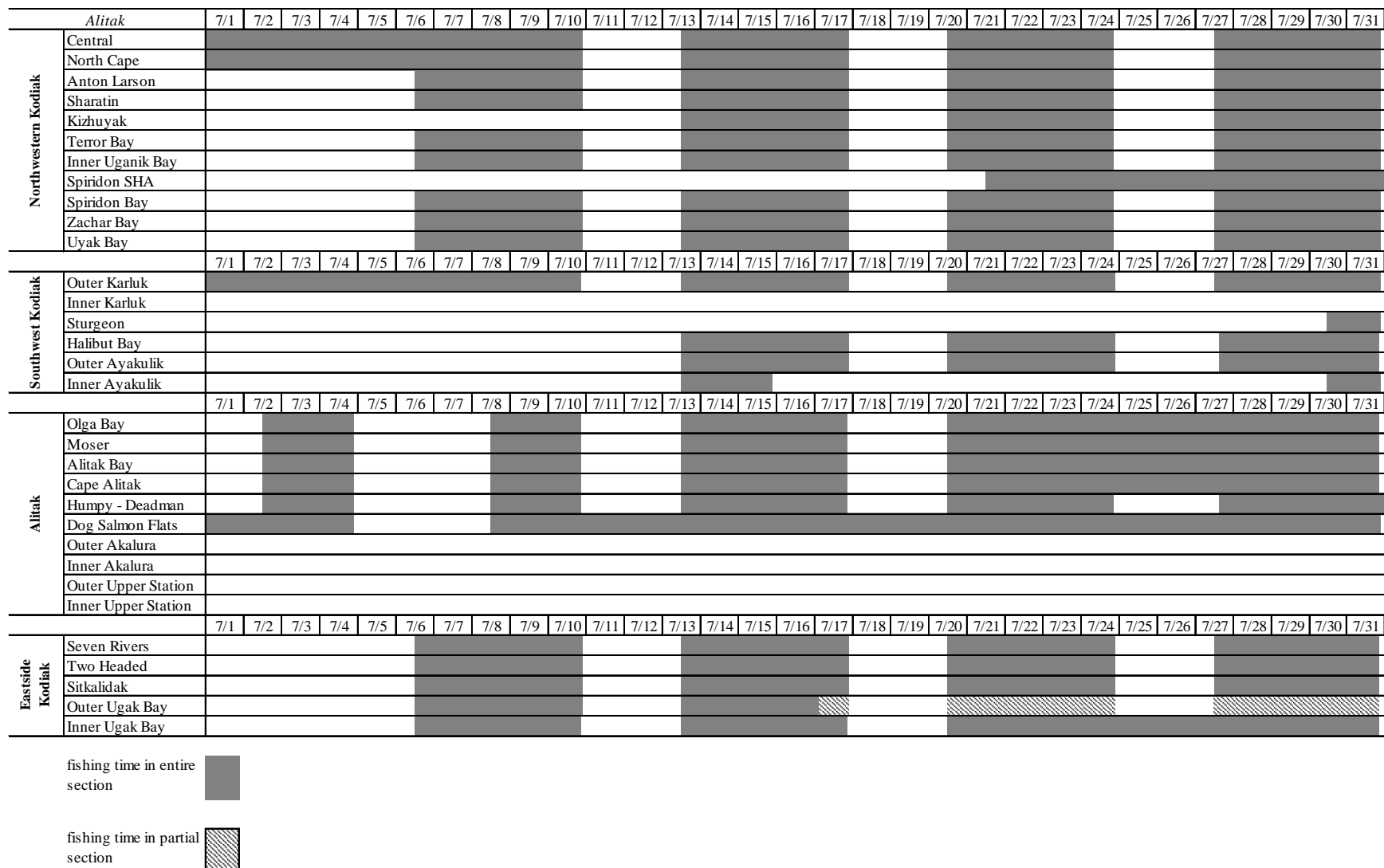


Appendix B1.–Page 2 of 8.

<i>Districts/Sections</i>		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																														
		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
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																														
		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
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.



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Appendix B1.–Page 4 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
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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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																															
	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 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																														
		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
Southwest Kodiak	Outer Karluk																														
	Inner Karluk																														
	Sturgeon																														
	Halibut Bay																														
	Outer Ayakulik																														
	Inner Ayakulik																														
		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
Alitak	Olga Bay																														
	Moser																														
	Alitak Bay																														
	Cape Alitak																														
	Humpy - Deadman																														
	Dog Salmon Flats																														
	Outer Akalura																														
	Inner Akalura																														
	Outer Upper Station																														
	Inner Upper Station																														
		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
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.

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
Northeast Koodiak	Outer Chiniak																														
	Inner Chiniak																														
	Buskin River																														
	Monashka-Mill Bay																														
Afognak	Southeast Afognak																														
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	Southwest Afognak																														
	Malina THA																														
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Mainland	Big River																														
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	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, 2014.

E.O. #	Issued	Effective	Action in effect
1	10:00 AM 6/2/14	Noon 6/5/14	<p><u>Opening</u> for 57 hours, until 9:00 PM 6/7:</p> <ul style="list-style-type: none"> <li>• Central and North Cape sections</li> <li>• Southeast Afognak Section</li> </ul> <p><u>Opening</u> for 33 hours, until 9:00 PM 6/6:</p> <ul style="list-style-type: none"> <li>• Uyak Bay, Zachar Bay, Spiridon Bay, Inner Uganik Bay, Terror Bay, Kizhuyak Bay, Sharatin Bay, and Anton Larsen Bay sections</li> </ul> <p><u>Opening</u> until further notice:</p> <ul style="list-style-type: none"> <li>• Inner Kitoi Bay, Outer Kitoi Bay, Duck Bay and Izhut Bay sections</li> <li>• Foul Bay Special Harvest Area (FBSHA)</li> <li>• Waterfall Bay Special Harvest Area (WBSHA)</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 Saltery Cove for subsistence fishing</li> </ul> <p><u>Non-retention</u> of Chinook salmon 28 inches or greater in length until further notice</p>
2	9:30 AM 6/3/14	Noon 6/5/14	<p><u>Opening</u> for 57 hours, until 9:00 PM 6/7:</p> <ul style="list-style-type: none"> <li>• Outer Karluk section</li> <li>• Inner and Outer Ayakulik sections</li> </ul> <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>• Reduced until further notice in Afognak Bay for commercial fishing</li> <li>• Reduced until further notice in Afognak Bay for subsistence fishing</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 9:00 PM 6/7 at Ayakulik River</li> </ul> <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> <li>• Inner Kitoi Bay, Outer Kitoi Bay, Duck Bay and Izhut Bay sections</li> <li>• Foul Bay Special Harvest Area (FBSHA)</li> <li>• Waterfall Bay Special Harvest Area (WBSHA)</li> </ul> <p><u>Non-retention</u> of Chinook salmon 28 inches or greater in length until further notice</p>
3	10:00 AM 6/6/14	9:00 PM 6/7/14	<p><u>Extension</u> for 48 hours, until 9:00 PM 6/9:</p> <ul style="list-style-type: none"> <li>• Central and North Cape sections</li> <li>• Southeast Afognak Section</li> <li>• Outer Karluk Section</li> <li>• Inner and Outer Ayakulik sections</li> </ul> <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> <li>• Inner Kitoi Bay, Outer Kitoi Bay, Duck Bay and Izhut Bay sections</li> <li>• Foul Bay Special Harvest Area (FBSHA)</li> <li>• Waterfall Bay Special Harvest Area (WBSHA)</li> </ul>

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E.O. #	Issued	Effective	Action in effect
3 (cont.)			<p><u>Non-retention</u> of Chinook salmon 28 inches or greater in length until further notice</p> <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>• Reduced until further notice in Afognak Bay for commercial fishing</li> <li>• Reduced until further notice in Afognak Bay for subsistence fishing</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 9:00 PM 6/9 at Ayakulik River</li> </ul>
4	9:30 AM 6/9/14	9:00 PM 6/9/14	<p><u>Extension</u> for 96 hours, until 9:00 PM 6/14:</p> <ul style="list-style-type: none"> <li>• Central and North Cape sections</li> <li>• Outer Karluk Section</li> <li>• Inner and Outer Ayakulik sections</li> <li>• Southeast Afognak Section</li> </ul> <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> <li>• Inner Kitoi Bay, Outer Kitoi Bay, Duck Bay and Izhut Bay sections</li> <li>• Foul Bay Special Harvest Area (FBSHA)</li> <li>• Waterfall Bay Special Harvest Area (WBSHA)</li> </ul> <p><u>Non-retention</u> of Chinook salmon 28 inches or greater in length until further notice</p> <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>• Reduced until further notice in Afognak Bay for commercial fishing</li> <li>• Reduced until further notice in Afognak Bay for subsistence fishing</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 9:00 PM 6/13 at Ayakulik River</li> </ul>
5	10:00 AM 6/12/14	Noon 6/14/14  9:00 PM 6/13/14	<p><u>Opening</u> for 33 hours, until 9:00 PM 6/15:</p> <ul style="list-style-type: none"> <li>• Eastside Kodiak District</li> <li>• Southwest Afognak, Northwest Afognak, Pauls Bay, and Perenosa Bay sections</li> <li>• Uyak Bay, Zachar Bay, Spiridon Bay, Inner Uganik Bay, Terror Bay, Kizhuyak Bay, Sharatin Bay, and Anton Larsen Bay sections</li> <li>• Big River and Outer Kukak Bay sections</li> </ul> <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>• Reduced until 9:00 PM 6/15 at Kafia Creek</li> <li>• Reduced until 9:00 PM 6/15 at Saltery Creek</li> </ul> <p><u>Extension</u> for 48 hours, until 9:00 PM 6/15:</p> <ul style="list-style-type: none"> <li>• Southeast Afognak Section</li> <li>• Central and North Cape sections</li> <li>• Inner and Outer Ayakulik sections</li> </ul> <p><u>Non-retention</u> of Chinook salmon 28 inches or greater in length until further notice</p>

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E.O. #	Issued	Effective	Action in effect
5 (cont.)			<p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>• Reduced until further notice in Afognak Bay for commercial fishing</li> <li>• Reduced until further notice in Afognak Bay for subsistence fishing</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 9:00 PM 6/15 at Ayakulik River</li> </ul> <p><u>Open until further notice:</u></p> <ul style="list-style-type: none"> <li>• Inner Kitoi Bay, Outer Kitoi Bay, Duck Bay and Izhut Bay sections</li> <li>• Foul Bay Special Harvest Area (FBSHA)</li> <li>• Waterfall Bay Special Harvest Area (WBSHA)</li> </ul>
6	9:00 AM 6/15/14	9:00 PM 6/15/14	<p><u>Extension</u> for 48 hours, until 9:00 PM 6/17:</p> <ul style="list-style-type: none"> <li>• Southwest and Southeast Afognak sections</li> <li>• Central and North Cape sections</li> <li>• Outer Karluk Section</li> </ul> <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>• Reduced until 9:00 PM 6/15 at Kafia Creek</li> <li>• Reduced until 9:00 PM 6/15 at Saltery Creek</li> <li>• Reduced until 9:00 PM 6/15 at Ayakulik River</li> </ul> <p><u>Open until further notice:</u></p> <ul style="list-style-type: none"> <li>• Inner Kitoi Bay, Outer Kitoi Bay, Duck Bay and Izhut Bay sections</li> <li>• Foul Bay Special Harvest Area (FBSHA)</li> <li>• Waterfall Bay Special Harvest Area (WBSHA)</li> </ul> <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>• Reduced until further notice in Afognak Bay for commercial fishing</li> <li>• Reduced until further notice in Afognak Bay for subsistence fishing</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> </ul> <p><u>Non-retention</u> of Chinook salmon 28 inches or greater in length until further notice</p>
7	9:00 AM 6/17/14	9:00 PM 6/17/14	<p><u>Extension</u> for 24 hours, until 9:00 PM 6/18:</p> <ul style="list-style-type: none"> <li>• Southeast and Southwest Afognak sections</li> <li>• Central and North Cape sections</li> <li>• Outer Karluk Section</li> </ul> <p><u>Open until further notice:</u></p> <ul style="list-style-type: none"> <li>• Inner Kitoi Bay, Outer Kitoi Bay, Duck Bay and Izhut Bay sections</li> <li>• Foul Bay Special Harvest Area (FBSHA)</li> <li>• Waterfall Bay Special Harvest Area (WBSHA)</li> </ul>

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E.O. #	Issued	Effective	Action in effect
7 (cont.)			<p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>• Reduced until further notice in Afognak Bay for commercial fishing</li> <li>• Reduced until further notice in Afognak Bay for subsistence fishing</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> </ul> <p><u>Non-retention</u> of Chinook salmon 28 inches or greater in length until further notice</p>
8	10:30 AM 6/18/14	Noon 6/21/14	<p><u>Extension</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>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>• Reduced until 9:00 PM 6/22 at Kafia Creek</li> <li>• Reduced until 9:00 PM 6/22 at Saltery Creek</li> </ul> <p>Noon 6/19/14</p> <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>• Reduced until 9:00 PM 6/13 at Buskin River for subsistence fishing</li> </ul> <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> <li>• Inner Kitoi Bay, Outer Kitoi Bay, Duck Bay and Izhut Bay sections</li> <li>• Foul Bay Special Harvest Area (FBSHA)</li> <li>• Waterfall Bay Special Harvest Area (WBSHA)</li> </ul> <p><u>Non-retention</u> of Chinook salmon 28 inches or greater in length until further notice</p> <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>• Reduced until further notice in Afognak Bay for commercial fishing</li> <li>• Reduced until further notice in Afognak Bay for subsistence fishing</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> </ul>
9	9:30 AM 6/20/14	Noon 6/21/14	<p><u>Opening</u> for 57 hours, until 9:00 PM 6/23:</p> <ul style="list-style-type: none"> <li>• Southwest and Southeast Afognak sections</li> <li>• Central and North Cape sections</li> <li>• Outer Karluk Section</li> </ul> <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 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>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>• Reduced until 9:00 PM 6/22 at Kafia Creek</li> <li>• Reduced until 9:00 PM 6/22 at Saltery Creek</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>• Inner Kitoi Bay, Outer Kitoi Bay, Duck Bay and Izhut Bay sections</li> <li>• Foul Bay Special Harvest Area (FBSHA)</li> <li>• Waterfall Bay Special Harvest Area (WBSHA)</li> <li>• <u>Non-retention</u> of Chinook salmon 28 inches or greater in length until further notice</li> </ul> <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>• Reduced until further notice in Afognak Bay for commercial fishing</li> <li>• Reduced until further notice in Afognak Bay for subsistence fishing</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 at Buskin River</li> </ul>
10	11:00 AM 6/22/14	Noon 6/22/14	<p><u>Opening</u> for 57 hours, until 9:00 PM 6/24:</p> <ul style="list-style-type: none"> <li>• Dog Salmon Flats Section</li> </ul> <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>• Reduced until 9:00 PM 6/24 at Dog Salmon Creek</li> <li>• Reduced until 9:00 PM 6/24 at Horse Marine Lagoon</li> </ul> <p><u>Non-retention</u> of Chinook salmon 28 inches or greater in length until further notice</p> <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>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>• Reduced until 9:00 PM 6/22 at Kafli Creek</li> <li>• Reduced until 9:00 PM 6/22 at Saltery Creek</li> </ul> <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> <li>• Inner Kitoi Bay, Outer Kitoi Bay, Duck Bay and Izhut Bay sections</li> <li>• Foul Bay Special Harvest Area (FBSHA)</li> <li>• Waterfall Bay Special Harvest Area (WBSHA)</li> </ul> <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>• Reduced until further notice in Afognak Bay for commercial fishing</li> <li>• Reduced until further notice in Afognak Bay for subsistence fishing</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 Saltery Cove for subsistence fishing</li> <li>• Reduced until further notice at Buskin River for subsistence fishing</li> </ul>
11	10:00 AM 6/22/14	9:00 PM 6/22/14	<p><u>Extension</u> for 72 hours, until 9:00 PM 6/25:</p> <ul style="list-style-type: none"> <li>• Inner Ugak Section</li> </ul>

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E.O. #	Issued	Effective	Action in effect
11 (cont.)		9:00 PM 6/22/14	<u>Closed water adjustments:</u> <ul style="list-style-type: none"> <li>Expanded to normal closed waters at Saltery Cove for commercial fishing</li> </ul>
		Noon 6/23/14	<u>Opening</u> for 57 hours, until 9:00 PM 6/25: <ul style="list-style-type: none"> <li>Outer Ayakulik and Halibut Bay sections</li> </ul> <u>Closed water adjustments:</u> <ul style="list-style-type: none"> <li>Reduced until 9:00 PM 6/24 at Dog Salmon Creek</li> <li>Reduced until 9:00 PM 6/24 at Horse Marine Lagoon</li> </ul>
		9:00 PM 6/23/14	<u>Extension</u> for 48 hours, until 9:00 PM 6/25: <ul style="list-style-type: none"> <li>Southwest and Southeast Afognak sections</li> <li>Central and North Cape sections</li> <li>Outer Karluk Section</li> </ul> <u>Open</u> until further notice: <ul style="list-style-type: none"> <li>Inner Kitoi Bay, Outer Kitoi Bay, Duck Bay and Izhut Bay sections</li> <li>Foul Bay Special Harvest Area (FBSHA)</li> <li>Waterfall Bay Special Harvest Area (WBSHA)</li> </ul> <u>Non-retention</u> of Chinook salmon 28 inches or greater in length until further notice  <u>Non-retention</u> of Chinook salmon in the subsistence fishery until 8/1: <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> <u>Closed water adjustments:</u> <ul style="list-style-type: none"> <li>Reduced until 9:00 PM 6/22 at Kafli Creek</li> <li>Reduced until 9:00 PM 6/22 at Saltery Creek</li> </ul> <u>Closed water adjustments:</u> <ul style="list-style-type: none"> <li>Reduced until further notice in Afognak Bay for commercial fishing</li> <li>Reduced until further notice in Afognak Bay for subsistence fishing</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 at Buskin River for subsistence fishing</li> </ul>
12	10:15 AM 6/23/14	9:00 PM 6/24/14	<u>Closure</u> in the following areas: <ul style="list-style-type: none"> <li>Inner and Outer Kitoi Bay sections</li> <li>Dog Salmon Flats Section</li> </ul> <u>Open</u> until further notice: <ul style="list-style-type: none"> <li>Duck Bay and Izhut Bay sections</li> <li>Foul Bay Special Harvest Area (FBSHA)</li> <li>Waterfall Bay Special Harvest Area (WBSHA)</li> </ul> <u>Non-retention</u> of Chinook salmon 28 inches or greater in length until further notice

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E.O. #	Issued	Effective	Action in effect
12 (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>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>• Reduced until 9:00 PM 6/24 at Dog Salmon Creek</li> <li>• Reduced until 9:00 PM 6/24 at Horse Marine Lagoon</li> <li>• Reduced until 9:00 PM 6/24 in Kitoi Bay</li> </ul> <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>• Reduced until further notice in Afognak Bay for commercial fishing</li> <li>• Reduced until further notice in Afognak Bay for subsistence fishing</li> <li>• Reduced until further notice in Foul Bay and Waterfall Bay</li> <li>• Reduced until further notice Saltery Cove for subsistence fishing</li> <li>• Reduced until further notice at Buskin River for subsistence fishing</li> </ul>
13	9:30 AM 6/25/14	9:00 PM 6/25/14	<p><u>Extension</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 and Southeast Afognak sections</li> </ul> <p>9:00 PM 6/25/14 <u>Extension</u> for 72 hours, until 9:00 PM 6/28:</p> <ul style="list-style-type: none"> <li>• Inner Ugak Bay Section</li> </ul> <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> <li>• Duck Bay and Izhut Bay sections</li> <li>• Foul Bay Special Harvest Area (FBSHA)</li> <li>• Waterfall Bay Special Harvest Area (WBSHA)</li> </ul> <p><u>Non-retention</u> of Chinook salmon 28 inches or greater in length until further notice</p> <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>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>• Reduced until further notice in Afognak Bay for commercial fishing</li> <li>• Reduced until further notice in Afognak Bay for subsistence fishing</li> <li>• Reduced until further notice in Foul Bay and Waterfall Bay</li> <li>• Reduced until further notice in Saltery Cove for subsistence fishing</li> <li>• Reduced until further notice at Buskin River for subsistence fishing</li> </ul>
14	9:30 AM 6/26/14	9:00 PM 6/27/14	<p><u>Closure</u> in the following area:</p> <ul style="list-style-type: none"> <li>• Izhut Bay Section</li> </ul> <p>Noon 6/27/14 <u>Opening</u> for 57 hours, until 9:00 PM 6/29:</p> <ul style="list-style-type: none"> <li>• Dog Salmon Flats Section</li> </ul>

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E.O. #	Issued	Effective	Action in effect
14 (cont.)			<p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>• Reduced until 9:00 PM 6/29 at Dog Salmon Creek</li> <li>• Reduced until 9:00 PM 6/29 at Horse Marine Lagoon</li> </ul> <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> <li>• Duck Bay Section</li> <li>• Foul Bay Special Harvest Area (FBSHA)</li> <li>• Waterfall Bay Special Harvest Area (WBSHA)</li> <li>• Outer Karluk Section</li> <li>• Central and North Cape sections</li> <li>• Southeast and Southwest Afognak sections</li> </ul> <p><u>Non-retention</u> of Chinook salmon 28 inches or greater in length until further notice</p> <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>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>• Reduced until further notice in Afognak Bay for commercial fishing</li> <li>• Reduced until further notice in Afognak Bay for subsistence fishing</li> <li>• Reduced until further notice in Foul Bay and Waterfall Bay</li> <li>• Reduced until further notice in Saltery Cove for subsistence fishing</li> <li>• Reduced until further notice at Buskin River for subsistence fishing</li> </ul>
15	10:00 AM 6/28/14	9:00 PM 6/29/14	<p><u>Extension</u> for 48 hours, until 9:00 PM 7/1:</p> <ul style="list-style-type: none"> <li>• Dog Salmon Flats Section</li> </ul> <p><u>Closure</u> in the following area:</p> <ul style="list-style-type: none"> <li>• Duck Bay Section</li> </ul> <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> <li>• Foul Bay Special Harvest Area (FBSHA)</li> <li>• Waterfall Bay Special Harvest Area (WBSHA)</li> <li>• Outer Karluk Section</li> <li>• Central and North Cape sections</li> <li>• Southeast and Southwest Afognak sections</li> </ul> <p><u>Non-retention</u> of Chinook salmon 28 inches or greater in length until further notice</p> <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>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>• Reduced until 9:00 PM 6/29 at Dog Salmon Creek</li> <li>• Reduced until 9:00 PM 6/29 at Horse Marine Lagoon</li> </ul>

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E.O. #	Issued	Effective	Action in effect
15 (cont.)			<u>Closed water adjustments:</u> <ul style="list-style-type: none"> <li>• Reduced until further notice in Afognak Bay for commercial fishing</li> <li>• Reduced until further notice in Afognak Bay for subsistence fishing</li> <li>• Reduced until further notice in Foul Bay and Waterfall Bay</li> <li>• Reduced until further notice in Saltery Cove for subsistence fishing</li> <li>• Reduced until further notice at Buskin River for subsistence fishing</li> </ul>
16	10:30 AM 7/1/14	9:00 PM 7/1/14  Noon 7/2/14	<u>Extension</u> for 72 hours, until 9:00 PM 7/4: <ul style="list-style-type: none"> <li>• Dog Salmon Flats Section</li> </ul> <u>Opening</u> for 57 hours, until 9:00 PM 7/4: <ul style="list-style-type: none"> <li>• Alitak District (except the Dog Salmon Flats Section is extended until 9:00 PM 7/4)</li> </ul> <u>Closed water adjustments:</u> <ul style="list-style-type: none"> <li>• Reduced until 9:00 PM 7/4 at Dog Salmon Creek</li> <li>• Reduced until 9:00 PM 7/4 at Horse Marine Lagoon</li> </ul> <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>• Outer Karluk Section</li> <li>• Central and North Cape sections</li> <li>• Southeast and Southwest Afognak sections</li> </ul> <u>Closed water adjustments:</u> <ul style="list-style-type: none"> <li>• Reduced until further notice in Afognak Bay for commercial fishing</li> <li>• Reduced until further notice in Afognak Bay for subsistence fishing</li> <li>• Reduced until further notice in Foul Bay and Waterfall Bay</li> <li>• Reduced until further notice in Saltery Cove for subsistence fishing</li> <li>• Reduced until further notice at Buskin River for subsistence fishing</li> </ul> <u>Non-retention</u> of Chinook salmon 28 inches or greater in length until further notice
			<u>Non-retention</u> of Chinook salmon in the subsistence fishery until 8/1, <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>
17	9:30 AM 7/2/14	Noon 7/6/14  Noon 7/6/14	<u>Opening</u> for 105 hours, until 9:00 PM 7/10: <ul style="list-style-type: none"> <li>• Uyak Bay, Zachar Bay, Spiridon Bay, Inner Uganik Bay, Terror Bay, Sharatin Bay, and Anton Larsen Bay sections (except Kizhuyak Bay Section remains closed)</li> <li>• Northwest Afognak, Raspberry Strait, Shuyak Island, Pauls Bay, Perenosa Bay, and Northeast Afognak sections</li> <li>• Eastside Kodiak District</li> <li>• Northeast Kodiak District</li> </ul> <u>Opening</u> for 57 hours, until 9:00 PM 7/8: <ul style="list-style-type: none"> <li>• Mainland District (except Wide Bay and Cape Igvak)</li> </ul>

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E.O. #	Issued	Effective	Action in effect
17 (cont.)		9:00 PM 7/10/14	<p><u>Closure</u> in the following areas:</p> <ul style="list-style-type: none"> <li>• Outer Karluk Section</li> <li>• Central and North Cape sections</li> <li>• Southwest and Southeast Afognak sections</li> <li>• Foul Bay Special Harvest Area</li> <li>• Waterfall Bay Special Harvest Area</li> </ul> <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>• Reduced until 9:00 PM 7/10 in Foul Bay</li> <li>• Reduced until 9:00 PM 7/10 in Waterfall Bay</li> <li>• Reduced until 9:00 PM 7/10 in Afognak Bay for commercial fishing</li> </ul> <p><u>Non-retention</u> of Chinook salmon 28 inches in length or greater 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>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>• Reduced until further notice in Afognak Bay for subsistence fishing</li> <li>• Reduced until further notice in Saltery Cove for subsistence fishing</li> <li>• Reduced until further notice at Buskin River for subsistence fishing</li> </ul>
18	10:00 AM 7/7/14	Noon 7/8/14	<p><u>Opening</u> for 57 hours, until 9:00 PM 7/10:</p> <ul style="list-style-type: none"> <li>• Cape Alitak, Humpy-Deadman, Alitak Bay, Moser Bay, Olga Bay, and Dog Salmon Flats sections</li> </ul> <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>• Reduced until 9:00 PM 7/10 at Dog Salmon Creek</li> <li>• Reduced until 9:00 PM 7/10 at Horse Marine Lagoon</li> <li>• Reduced until 9:00 PM 7/10 in Foul Bay</li> <li>• Reduced until 9:00 PM 7/10 in Waterfall Bay</li> <li>• Reduced until 9:00 PM 7/10 in Afognak Bay</li> </ul> <p><u>Non-retention</u> of Chinook salmon 28 inches in length or greater 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>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>• Reduced until further notice in Afognak Bay for subsistence fishing</li> <li>• Reduced until further notice in Saltery Cove for subsistence fishing</li> <li>• Reduced until further notice at Buskin River for subsistence fishing</li> </ul>

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E.O. #	Issued	Effective	Action in effect
19	2:00 PM 7/8/2014	5:00 PM 7/8/14	<p><u>Closes</u> Seward Zones in the following areas:</p> <ul style="list-style-type: none"> <li>• Dakavak Bay, Outer Kukak Bay, Hallo Bay, and Big River sections</li> <li>• Northwest Afognak and Shuyak Island sections</li> </ul> <p><u>Non-retention</u> of Chinook salmon 28 inches in length or greater 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>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>• Reduced until 9:00 PM 7/10 at Dog Salmon Creek</li> <li>• Reduced until 9:00 PM 7/10 at Horse Marine Lagoon</li> <li>• Reduced until 9:00 PM 7/10 in Foul Bay</li> <li>• Reduced until 9:00 PM 7/10 in Waterfall Bay</li> <li>• Reduced until 9:00 PM 7/10 in Afognak Bay</li> </ul> <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>• Reduced until further notice in Afognak Bay for subsistence fishing</li> <li>• Reduced until further notice in Saltery Cove for subsistence fishing</li> <li>• Reduced until further notice at Buskin River for subsistence fishing</li> </ul>
20	10:30 AM 7/10/14	9:00 PM 7/10/14	<p><u>Extension</u> for 72 hours, until 9:00 PM 7/13:</p> <ul style="list-style-type: none"> <li>• Dog Salmon Flats Section</li> </ul> <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>• Reduced until 9:00 PM 7/13 at Dog Salmon Creek</li> <li>• Reduced until 9:00 PM 7/13 at Horse Marine Lagoon</li> </ul> <p><u>Non-retention</u> of Chinook salmon 28 inches in length or greater 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</li> </ul> <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>• Reduced until 9:00 PM 7/10 in Foul Bay</li> <li>• Reduced until 9:00 PM 7/10 in Waterfall Bay</li> <li>• Reduced until 9:00 PM 7/10 in Afognak Bay</li> </ul> <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>• Reduced until further notice in Afognak Bay for subsistence fishing</li> <li>• Reduced until further notice in Saltery Cove for subsistence fishing</li> <li>• Reduced until further notice at Buskin River for subsistence fishing</li> </ul>

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E.O. #	Issued	Effective	Action in effect
21	10:30 AM 7/11/14	9:00 PM 7/13/14	<p><u>Extension</u> for 96 hours, until 9:00 PM 7/17:</p> <ul style="list-style-type: none"> <li>• Dog Salmon Flats Section</li> </ul> <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>• Reduced until 9:00 PM 7/17 at Dog Salmon Creek</li> <li>• Reduced until 9:00 PM 7/17 at Horse Marine Lagoon</li> </ul> <p>Noon 7/13/14</p> <p><u>Opening</u> for 57 hours, until 9:00 PM 7/15</p> <ul style="list-style-type: none"> <li>• Mainland District (except Wide Bay and Cape Igvak sections)</li> <li>• Inner Ayakulik Section</li> </ul> <p><u>Opening</u> for 105 hours, until 9:00 PM 7/17:</p> <ul style="list-style-type: none"> <li>• Cape Alitak, Humpy-Deadman, Alitak Bay, Moser Bay, and Olga Bay sections</li> <li>• Outer Ayakulik, Halibut Bay, Outer Karluk sections</li> <li>• Northwest Kodiak District</li> <li>• Afognak District (except Inner Kitoi Bay, Outer Kitoi Bay, Izhut Bay, and Duck Bay sections)</li> <li>• Eastside Kodiak District</li> <li>• Northeast Kodiak District</li> </ul> <p><u>Non-retention</u> of Chinook salmon 28 inches in length or greater 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</li> </ul> <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>• Reduced until further notice in Afognak Bay for subsistence fishing</li> <li>• Reduced until further notice in Saltery Cove for subsistence fishing</li> <li>• Reduced until further notice at Buskin River for subsistence fishing</li> </ul>
22	9:30 AM 7/14/14	Noon 7/15/14	<p><u>Opening</u> for 57 hours, until 9:00 PM 7/17:</p> <ul style="list-style-type: none"> <li>• Duck Bay Section</li> </ul> <p><u>Non-retention</u> of Chinook salmon 28 inches in length or greater 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</li> </ul> <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>• Reduced until 9:00 PM 7/17 at Dog Salmon Creek</li> <li>• Reduced until 9:00 PM 7/17 at Horse Marine Lagoon</li> </ul>

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E.O. #	Issued	Effective	Action in effect
22 (cont.)			<p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>• Reduced until further notice in Afognak Bay for subsistence fishing</li> <li>• Reduced until further notice in Saltery Cove for subsistence fishing</li> <li>• Reduced until further notice at Buskin River for subsistence fishing</li> </ul>
23	11:00 AM 7/15/14	12:01 AM 7/17/14	<p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>• Increased in Pasagshak Bay north of a line from a point at 57°26.04' N lat 152°31.13' W long to a point at 57°25.44' N lat 152°29.39' W long for commercial fishing.</li> <li>• Increased in Pasagshak Bay north of a line from a point at 57°26.04' N lat 152°31.13' W long to a point at 57°25.44' N lat 152°29.39' W long for subsistence fishing.</li> </ul> <p><u>Non-retention</u> of Chinook salmon 28 inches in length or greater 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</li> </ul> <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>• Reduced until 9:00 PM 7/17 at Dog Salmon Creek</li> <li>• Reduced until 9:00 PM 7/17 at Horse Marine Lagoon</li> </ul> <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>• Reduced until further notice in Afognak Bay for subsistence fishing</li> <li>• Reduced until further notice in Saltery Cove for subsistence fishing</li> <li>• Reduced until further notice at Buskin River for subsistence fishing</li> </ul>
24	11:30 AM 7/16/14	9:00 PM 7/17/14	<p><u>Extension</u> for 72 hours, until 9:00 PM 7/20:</p> <ul style="list-style-type: none"> <li>• Dog Salmon Flats Section</li> </ul> <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>• Reduced until 9:00 PM 7/20 at Dog Salmon Creek</li> <li>• Reduced until 9:00 PM 7/20 at Horse Marine Lagoon</li> </ul> <p><u>Non-retention</u> of Chinook salmon 28 inches in length or greater 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</li> </ul>

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E.O. #	Issued	Effective	Action in effect
24 (cont.)			<p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>• Reduced until further notice in Afognak Bay for subsistence fishing</li> <li>• Reduced until further notice in Saltery Cove for subsistence fishing</li> <li>• Reduced until further notice at Buskin River for subsistence fishing</li> </ul>
25	10:00 AM 7/18/14	Noon 7/20/14	<p><u>Opening</u> until further notice:</p> <ul style="list-style-type: none"> <li>• Duck Bay Section</li> </ul> <p><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 and Cape Igvak)</li> </ul> <p><u>Opening</u> for 105 hours, until 9:00 PM 7/24:</p> <ul style="list-style-type: none"> <li>• Cape Alitak, Humpy-Deadman, Alitak Bay, Moser Bay, and Olga Bay sections</li> <li>• Outer Ayakulik, Halibut Bay, and Outer Karluk sections</li> <li>• Northwest Kodiak District</li> <li>• Afognak District (except Inner Kitoi Bay, Outer Kitoi Bay, and Izhut Bay sections remain closed and Duck Bay Section opens at Noon 7/20)</li> <li>• Eastside Kodiak District</li> <li>• Northeast Kodiak District</li> </ul> <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 for commercial fishing</li> </ul> <p>9:00 PM 7/20</p> <p><u>Extension</u> for 96 hours, until 9:00 PM 7/24</p> <ul style="list-style-type: none"> <li>• Dog Salmon Flats Section</li> </ul> <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>• Reduced until 9:00 PM 7/24 at Dog Salmon Creek</li> <li>• Reduced until 9:00 PM 7/24 at Horse Marine Lagoon</li> </ul> <p><u>Non-retention</u> of Chinook salmon 28 inches in length or greater 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</li> </ul> <p>12:01 AM 7/17/14</p> <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>• Increased in Pasagshak Bay north of a line from a point at 57°26.04' N lat 152°31.13' W long to a point at 57°25.44' N lat 152°29.39' W long for commercial fishing until further notice.</li> <li>• Increased in Pasagshak Bay north of a line from a point at 57°26.04' N lat 152°31.13' W long to a point at 57°25.44' N lat 152°29.39' W long for subsistence fishing until further notice.</li> </ul>

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E.O. #	Issued	Effective	Action in effect
25 (cont.)			<u>Closed water adjustments:</u> <ul style="list-style-type: none"> <li>Reduced until further notice in Afognak Bay for subsistence fishing</li> <li>Reduced until further notice in Saltery Cove for subsistence fishing</li> <li>Reduced until further notice at Buskin River for subsistence fishing</li> </ul>
26	10:00 AM 7/19/14	Noon 7/21/14	<u>Opening</u> until further notice: <ul style="list-style-type: none"> <li>Spiridon Bay Special Harvest Area</li> </ul> <u>Open</u> until further notice: <ul style="list-style-type: none"> <li>Duck Bay Section</li> </ul> <u>Closed water adjustments:</u> <ul style="list-style-type: none"> <li>Reduced until 9:00 PM 7/24 at Dog Salmon Creek</li> <li>Reduced until 9:00 PM 7/24 at Horse Marine Lagoon</li> </ul> <u>Closed water adjustments:</u> <ul style="list-style-type: none"> <li>Reduced until further notice in Afognak Bay for subsistence fishing</li> <li>Reduced until further notice in Saltery Cove for subsistence fishing</li> <li>Reduced until further notice at Buskin River for subsistence fishing</li> </ul> <u>Non-retention</u> of Chinook salmon 28 inches in length or greater 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>Non-retention</u> of Chinook salmon in the subsistence fishery until 8/1: <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</li> </ul> <u>Closed water adjustments:</u> <ul style="list-style-type: none"> <li>Increased in Pasagshak Bay north of a line from a point at 57°26.04' N lat 152°31.13' W long to a point at 57°25.44' N lat 152°29.39' W long for commercial fishing until further notice.</li> <li>Increased in Pasagshak Bay north of a line from a point at 57°26.04' N lat 152°31.13' W long to a point at 57°25.44' N lat 152°29.39' W long for subsistence fishing until further notice.</li> </ul>
27	10:00 AM 7/23/14	Noon 7/24/14	<u>Opening</u> until further notice: <ul style="list-style-type: none"> <li>Izhut Bay Section</li> </ul> <u>Extension</u> for 72 hours, until 9:00 PM 7/27: <ul style="list-style-type: none"> <li>Cape Alitak, Alitak Bay, Moser Bay, Olga Bay, and Dog Salmon Flats sections</li> <li>Inner Ugak Bay Section</li> </ul> <u>Closed water adjustments:</u> <ul style="list-style-type: none"> <li>Reduced until 9:00 PM 7/27 at Dog Salmon Creek</li> <li>Reduced until 9:00 PM 7/27 at Horse Marine Lagoon</li> <li>Reduced until 9:00 PM 7/27 at Saltery Creek, Hearst Creek, and Rough Creek for commercial fishing</li> </ul>

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E.O. #	Issued	Effective	Action in effect
27 (cont.)			<p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> <li>• Spiridon Bay Special Harvest Area</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 Afognak Bay for subsistence fishing</li> <li>• Reduced until further notice in Saltery Cove for subsistence fishing</li> <li>• Reduced until further notice at Buskin River for subsistence fishing</li> </ul> <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>• Increased in Pasagshak Bay north of a line from a point at 57°26.04' N lat 152°31.13' W long to a point at 57°25.44' N lat 152°29.39' W long for commercial fishing until further notice.</li> <li>• Increased in Pasagshak Bay north of a line from a point at 57°26.04' N lat 152°31.13' W long to a point at 57°25.44' N lat 152°29.39' W long for subsistence fishing until further notice.</li> </ul> <p><u>Non-retention</u> of Chinook salmon 28 inches in length or greater 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</li> </ul>
28	11:00am 7/25/14	Noon 7/26/14	<p><u>Opening</u> until further notice:</p> <ul style="list-style-type: none"> <li>• Outer Kitoi Bay Section</li> </ul> <p><u>Extension</u> for 96 hours, until 9:00 PM 7/31:</p> <ul style="list-style-type: none"> <li>• Cape Alitak, Alitak Bay, Moser Bay, Olga Bay, and Dog Salmon Flats sections</li> <li>• Inner Ugak Bay Section</li> </ul> <p><u>Opening</u> for 57 hours, until 9:00 PM 7/29</p> <ul style="list-style-type: none"> <li>• Mainland District</li> </ul> <p><u>Opening</u> for 105 hours, until 9:00 PM 7/31:</p> <ul style="list-style-type: none"> <li>• Humpy-Deadman Section</li> <li>• Outer Ayakulik, Halibut Bay, and Outer Karluk sections</li> <li>• Northwest Kodiak District</li> <li>• Afognak District (except Inner Kitoi Bay Section remains closed, Outer Kitoi Bay Section opens 7/26, and Duck Bay and Izhut Bay sections are open until further notice)</li> <li>• Eastside Kodiak District (except Inner Ugak Bay is open until 7/31)</li> <li>• Northeast Kodiak District</li> </ul> <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> <li>• Spiridon Bay Special Harvest Area</li> <li>• Duck Bay and Izhut Bay sections</li> </ul>

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E.O. #	Issued	Effective	Action in effect
28 (cont.)			<p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>Reduced until 9:00 PM 7/31 at Dog Salmon Creek</li> <li>Reduced until 9:00 PM 7/31 at Horse Marine Lagoon</li> <li>Reduced until 9:00 PM 7/31 at Saltery Creek, Hearst Creek, and Rough Creek for commercial fishing</li> </ul> <p><u>Non-retention</u> of Chinook salmon 28 inches in length or greater 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</li> </ul> <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>Reduced until further notice in Afognak Bay for subsistence fishing</li> <li>Reduced until further notice in Saltery Cove for subsistence fishing</li> <li>Reduced until further notice at Buskin River for subsistence fishing</li> </ul> <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>Increased in Pasagshak Bay north of a line from a point at 57°26.04' N lat 152°31.13' W long to a point at 57°25.44' N lat 152°29.39' W long for commercial fishing until further notice.</li> <li>Increased in Pasagshak Bay north of a line from a point at 57°26.04' N lat 152°31.13' W long to a point at 57°25.44' N lat 152°29.39' W long for subsistence fishing until further notice.</li> </ul>
29	10:30 AM 7/28/14	9:00 PM 7/29/14	<p><u>Closure</u> in the following area:</p> <ul style="list-style-type: none"> <li>Outer Kitoi Bay Section</li> </ul> <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> <li>Spiridon Bay Special Harvest Area</li> <li>Duck Bay and Izhut Bay sections</li> </ul> <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>Reduced until 9:00 PM 7/31 at Dog Salmon Creek</li> <li>Reduced until 9:00 PM 7/31 at Horse Marine Lagoon</li> <li>Reduced until 9:00 PM 7/31 at Saltery Creek, Hearst Creek, and Rough Creek for commercial fishing</li> </ul> <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>Reduced until further notice in Afognak Bay for subsistence fishing</li> <li>Reduced until further notice in Saltery Cove for subsistence fishing</li> <li>Reduced until further notice at Buskin River for subsistence fishing</li> </ul>

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E.O. #	Issued	Effective	Action in effect
29 (cont.)			<p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>Increased in Pasagshak Bay north of a line from a point at 57°26.04' N lat 152°31.13' W long to a point at 57°25.44' N lat 152°29.39' W long for commercial fishing until further notice.</li> <li>Increased in Pasagshak Bay north of a line from a point at 57°26.04' N lat 152°31.13' W long to a point at 57°25.44' N lat 152°29.39' W long for subsistence fishing until further notice.</li> </ul> <p><u>Non-retention</u> of Chinook salmon 28 inches in length or greater 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</li> </ul>
30	11:00 AM 7/29/14	Noon 7/30/14	<p><u>Opening</u> for 33 hours, until 9:00 PM 7/31:</p> <ul style="list-style-type: none"> <li>Sturgeon and Inner Ayakulik sections</li> </ul> <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> <li>Spiridon Bay Special Harvest Area</li> <li>Duck Bay and Izhut Bay sections</li> </ul> <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>Reduced until 9:00 PM 7/31 at Dog Salmon Creek</li> <li>Reduced until 9:00 PM 7/31 at Horse Marine Lagoon</li> <li>Reduced until 9:00 PM 7/31 at Saltery Creek, Hearst Creek, and Rough Creek for commercial fishing</li> </ul> <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>Reduced until further notice in Afognak Bay for subsistence fishing</li> <li>Reduced until further notice in Saltery Cove for subsistence fishing</li> <li>Reduced until further notice at Buskin River for subsistence fishing</li> </ul> <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>Increased in Pasagshak Bay north of a line from a point at 57°26.04' N lat 152°31.13' W long to a point at 57°25.44' N lat 152°29.39' W long for commercial fishing until further notice.</li> <li>Increased in Pasagshak Bay north of a line from a point at 57°26.04' N lat 152°31.13' W long to a point at 57°25.44' N lat 152°29.39' W long for subsistence fishing until further notice.</li> </ul> <p><u>Non-retention</u> of Chinook salmon 28 inches in length or greater 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</li> </ul>

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E.O. #	Issued	Effective	Action in effect
31	10:15 AM 7/31/14	9:00 PM 7/31/14	<p><u>Closure</u> in the following area:</p> <ul style="list-style-type: none"> <li>Izhut Bay Section</li> </ul>
		9:00 PM 8/1/14	<p><u>Closure</u> in the following area:</p> <ul style="list-style-type: none"> <li>Duck Bay Section</li> </ul>
		12:01 AM 8/1/14	<p><u>Opening</u> of cost recovery fishery:</p> <ul style="list-style-type: none"> <li>Kitoi Bay Special Harvest Area</li> </ul> <p><u>Extension</u> until further notice in the following areas:</p> <ul style="list-style-type: none"> <li>Deadman Bay of Humpy-Deadman Section north of the latitude of Cape Hepburn (56° 57.5' N lat)</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 Afognak Bay for subsistence fishing</li> <li>Reduced until further notice in Saltery Cove for subsistence fishing</li> <li>Reduced until further notice at Buskin River for subsistence fishing</li> </ul> <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>Reduced until 9:00 PM 7/31 at Dog Salmon Creek</li> <li>Reduced until 9:00 PM 7/31 at Horse Marine Lagoon</li> <li>Reduced until 9:00 PM 7/31 at Saltery Creek, Hearst Creek, and Rough Creek for commercial fishing</li> </ul> <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>Increased in Pasagshak Bay north of a line from a point at 57°26.04' N lat 152°31.13' W long to a point at 57°25.44' N lat 152°29.39' W long for commercial fishing until further notice.</li> <li>Increased in Pasagshak Bay north of a line from a point at 57°26.04' N lat 152°31.13' W long to a point at 57°25.44' N lat 152°29.39' W long for subsistence fishing until further notice.</li> </ul> <p><u>Non-retention</u> of Chinook salmon 28 inches in length or greater 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</li> </ul>
32	10:30 AM 8/2/14	Noon 8/3/14	<p><u>Opening</u> until further notice:</p> <ul style="list-style-type: none"> <li>Duck Bay Section</li> </ul>

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E.O. #	Issued	Effective	Action in effect
32 (cont.)		Noon 8/3/14	<p><u>Opening</u> for 81 hours, until 9:00 PM 8/6:</p> <ul style="list-style-type: none"> <li>• Outer Karluk and Sturgeon sections</li> <li>• Northwest Kodiak District</li> <li>• Afognak District (except Inner Kitoi, Outer Kitoi, and Izhut Bay sections remain closed and Duck Bay Sections opens 8/3)</li> <li>• Northeast Kodiak District</li> </ul> <p><u>Opening</u> for 57 hours, until 9:00 PM 8/5:</p> <ul style="list-style-type: none"> <li>• Mainland District</li> </ul> <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> <li>• Spiridon Bay Special Harvest Area</li> <li>• Deadman Bay of Humpy-Deadman Section north of the latitude of Cape Hepburn (56° 57.5' N. lat.)</li> </ul> <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>• Increased in Pasagshak Bay north of a line from a point at 57°26.04' N lat 152°31.13' W long to a point at 57°25.44' N lat 152°29.39' W long for commercial fishing until further notice.</li> <li>• Increased in Pasagshak Bay north of a line from a point at 57°26.04' N lat 152°31.13' W long to a point at 57°25.44' N lat 152°29.39' W long for subsistence fishing until further notice.</li> </ul> <p><u>Non-retention</u> of Chinook salmon 28 inches in length or greater 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>
33	8:30 AM 8/6/14	9:00 PM 8/7/14	<p><u>Extension</u> for 24 hours, until 9:00 PM 8/7:</p> <ul style="list-style-type: none"> <li>• Outer Karluk and Sturgeon sections</li> <li>• Northwest Kodiak District</li> <li>• Afognak District (except Inner Kitoi Bay, Outer Kitoi Bay, and Izhut Bay sections remain closed, Duck Bay Section is open until further notice)</li> <li>• Northeast Kodiak District</li> </ul> <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> <li>• Duck Bay Section</li> <li>• Spiridon Bay Special Harvest Area</li> <li>• Deadman Bay of Humpy-Deadman Section north of the latitude of Cape Hepburn (56° 57.5' N lat.)</li> </ul> <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>• Increased in Pasagshak Bay north of a line from a point at 57°26.04' N lat 152°31.13' W long to a point at 57°25.44' N lat 152°29.39' W long for commercial fishing until further notice.</li> <li>• Increased in Pasagshak Bay north of a line from a point at 57°26.04' N lat 152°31.13' W long to a point at 57°25.44' N lat 152°29.39' W long for subsistence fishing until further notice.</li> </ul>

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E.O. #	Issued	Effective	Action in effect
33 (cont.)			<p><u>Non-retention</u> of Chinook salmon 28 inches in length or greater 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>
34	4:00 PM 8/6/2014	9:00 PM 8/7/14	<p><u>Closure</u> in the following area:</p> <ul style="list-style-type: none"> <li>Duck Bay Section</li> </ul> <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> <li>Spiridon Bay Special Harvest Area</li> <li>Deadman Bay of Humpy-Deadman Section north of the latitude of Cape Hepburn (56° 57.5' N. lat.)</li> </ul> <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>Increased in Pasagshak Bay north of a line from a point at 57°26.04' N lat 152°31.13' W long to a point at 57°25.44' N lat 152°29.39' W long for commercial fishing until further notice.</li> <li>Increased in Pasagshak Bay north of a line from a point at 57°26.04' N lat 152°31.13' W long to a point at 57°25.44' N lat 152°29.39' W long for subsistence fishing until further notice.</li> </ul> <p><u>Non-retention</u> of Chinook salmon 28 inches in length or greater 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>
35	10:00 AM 8/9/14	Noon 8/10/14	<p><u>Opening</u> until further notice:</p> <ul style="list-style-type: none"> <li>Duck Bay Section</li> </ul> <p><u>Opening</u> for 81 hours, until 9:00 PM 8/13:</p> <ul style="list-style-type: none"> <li>Halibut Bay, Outer Karluk, and Sturgeon sections</li> <li>Northwest Kodiak District (except Uyak Bay, Zachar Bay, and Spiridon Bay sections remain closed)</li> <li>Afognak District (except Inner Kitoi, Outer Kitoi, and Izhut Bay sections remain closed, and Duck Bay Section opens 8/10)</li> <li>Northeast Kodiak District</li> </ul> <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> <li>Spiridon Bay Special Harvest Area</li> <li>Deadman Bay of Humpy-Deadman Section north of the latitude of Cape Hepburn (56° 57.5' N. lat)</li> </ul> <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>Increased in Pasagshak Bay north of a line from a point at 57°26.04' N lat 152°31.13' W long to a point at 57°25.44' N lat 152°29.39' W long for commercial fishing until further notice.</li> <li>Increased in Pasagshak Bay north of a line from a point at 57°26.04' N lat 152°31.13' W long to a point at 57°25.44' N lat 152°29.39' W long for subsistence fishing until further notice.</li> </ul>

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E.O. #	Issued	Effective	Action in effect
35 (cont.)			<p><u>Non-retention</u> of Chinook salmon 28 inches in length or greater 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>
36	10:00 AM 8/10/14	Noon 8/11/14	<p><u>Opening</u> for 6 hours, until 6:00 PM 8/11:</p> <ul style="list-style-type: none"> <li>Outer Kitoi Bay Section</li> </ul> <p><u>Opening</u> until further notice:</p> <ul style="list-style-type: none"> <li>Izhut Bay Section</li> </ul> <p><u>Opening</u> for 81 hours, until 9:00 PM 8/13:</p> <ul style="list-style-type: none"> <li>Halibut Bay, Outer Karluk, Sturgeon</li> <li>Northwest Kodiak District (except Uyak Bay, Zachar Bay, and Spiridon Bay remain closed)</li> <li>Afognak District (except Inner Kitoi Bay Section remains closed, Outer Kitoi Bay and Izhut Bay sections open 8/11, and Duck Bay Section opens 8/10)</li> <li>Northeast Kodiak District</li> </ul> <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> <li>Spiridon Bay Special Harvest Area</li> <li>Deadman Bay of Humpy-Deadman Section north of the latitude of Cape Hepburn (56° 57.5' N lat)</li> </ul> <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>Increased in Pasagshak Bay north of a line from a point at 57°26.04' N lat 152°31.13' W long to a point at 57°25.44' N lat 152°29.39' W long for commercial fishing until further notice.</li> <li>Increased in Pasagshak Bay north of a line from a point at 57°26.04' N lat 152°31.13' W long to a point at 57°25.44' N lat 152°29.39' W long for subsistence fishing until further notice.</li> </ul> <p><u>Non-retention</u> of Chinook salmon 28 inches in length or greater 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>
37	10:00 AM 8/13/14	9:00 PM 8/13/14	<p><u>Closure</u> in the following areas:</p> <ul style="list-style-type: none"> <li>Duck Bay and Izhut Bay sections</li> <li>Spiridon Bay Special Harvest Area</li> <li>Deadman Bay of Humpy-Deadman Section north of the latitude of Cape Hepburn (56° 57.5' N lat)</li> </ul> <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>Increased in Pasagshak Bay north of a line from a point at 57°26.04' N lat 152°31.13' W long to a point at 57°25.44' N lat 152°29.39' W long for commercial fishing until further notice.</li> <li>Increased in Pasagshak Bay north of a line from a point at 57°26.04' N lat 152°31.13' W long to a point at 57°25.44' N lat 152°29.39' W long for subsistence fishing until further notice.</li> </ul>

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E.O. #	Issued	Effective	Action in effect
37 (cont.)			<p><u>Non-retention</u> of Chinook salmon 28 inches in length or greater 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>
38	10:30 AM 8/18/14	Noon 8/19/14	<p><u>Opening</u> until further notice:</p> <ul style="list-style-type: none"> <li>Izhut Bay Section</li> </ul> <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>Increased in Pasagshak Bay north of a line from a point at 57°26.04' N lat 152°31.13' W long to a point at 57°25.44' N lat 152°29.39' W long for commercial fishing until further notice.</li> <li>Increased in Pasagshak Bay north of a line from a point at 57°26.04' N lat 152°31.13' W long to a point at 57°25.44' N lat 152°29.39' W long for subsistence fishing until further notice.</li> </ul> <p><u>Non-retention</u> of Chinook salmon 28 inches in length or greater 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>
39	10:00 AM 8/19/14	Noon 8/20/14	<p><u>Opening</u> until further notice:</p> <ul style="list-style-type: none"> <li>Outer Kitoi Bay Section</li> </ul> <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> <li>Izhut Bay Section</li> </ul> <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>Increased in Pasagshak Bay north of a line from a point at 57°26.04' N lat 152°31.13' W long to a point at 57°25.44' N lat 152°29.39' W long for commercial fishing until further notice.</li> <li>Increased in Pasagshak Bay north of a line from a point at 57°26.04' N lat 152°31.13' W long to a point at 57°25.44' N lat 152°29.39' W long for subsistence fishing until further notice.</li> </ul> <p><u>Non-retention</u> of Chinook salmon 28 inches in length or greater 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>
40	10:00 AM 8/21/14	6:00 PM 8/21/14	<p><u>Closure</u> in following area:</p> <ul style="list-style-type: none"> <li>Outer Kitoi Bay Section</li> </ul> <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> <li>Izhut Bay Section</li> </ul> <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>Increased in Pasagshak Bay north of a line from a point at 57°26.04' N lat 152°31.13' W long to a point at 57°25.44' N lat 152°29.39' W long for commercial fishing until further notice.</li> <li>Increased in Pasagshak Bay north of a line from a point at 57°26.04' N lat 152°31.13' W long to a point at 57°25.44' N lat 152°29.39' W long for subsistence fishing until further notice.</li> </ul>

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E.O. #	Issued	Effective	Action in effect
41	1:00 PM 8/22/14	Noon 8/25/14	<p><u>Opening</u> for 54 hours, until 6:00 PM 8/27:</p> <ul style="list-style-type: none"> <li>• Mainland District</li> <li>• Humpy-Deadman Section</li> <li>• Eastside Kodiak District</li> </ul> <p><u>Opening</u> for 102 hours, until 6:00 PM 8/29:</p> <ul style="list-style-type: none"> <li>• Outer Ayakulik, Halibut Bay, Sturgeon, and Outer Karluk sections</li> <li>• Central and North Cape sections</li> <li>• Southwest Afognak Section</li> </ul> <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>• Reduced in Pasagshak Bay until further notice for both commercial and subsistence fishing</li> </ul> <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> <li>• Izhut Bay Section</li> </ul> <p><u>Non-retention</u> of Chinook salmon 28 inches in length or greater 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>
42	10:00 AM 8/28/14	Noon 8/29/14  6:00 PM 8/29/14	<p><u>Opening</u> until further notice:</p> <ul style="list-style-type: none"> <li>• Outer Kitoi Bay Section</li> </ul> <p><u>Opening</u> for 54 hours, until 6:00 PM 8/31:</p> <ul style="list-style-type: none"> <li>• Cape Alitak, Alitak Bay, Moser Bay, and Olga Bay sections</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> <li>• Central and North Cape sections</li> <li>• Southwest Afognak Section</li> </ul> <p><u>Closure</u> in the following area:</p> <ul style="list-style-type: none"> <li>• Outer Ayakulik Section</li> </ul> <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> <li>• Izhut Bay Section</li> </ul> <p><u>Non-retention</u> of Chinook salmon 28 inches in length or greater 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>
43	10:00 AM 8/29/14	Noon 8/30/14	<p><u>Opening</u> until further notice:</p> <ul style="list-style-type: none"> <li>• Inner Karluk Section</li> </ul> <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>• Reduced until further notice at Karluk Lagoon exit channel terminus</li> </ul>

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E.O. #	Issued	Effective	Action in effect
43 (cont.)		Noon 9/1/14	<p><u>Opening</u> for 54 hours, until 6:00 PM 9/3:</p> <ul style="list-style-type: none"> <li>• Outer Ayakulik Section</li> <li>• Mainland District</li> <li>• Northwest Afognak, Shuyak Island, Pauls Bay, Perenosa Bay, and Northeast Afognak sections</li> <li>• Humpy-Deadman Section</li> <li>• Eastside Kodiak District</li> </ul> <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> <li>• Outer Kitoi Bay Section</li> <li>• Izhut Bay Section</li> </ul> <p><u>Non-retention</u> of Chinook salmon 28 inches in length or greater 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>
44	9:30 AM 9/3/14	6:00 PM 9/3/14  Noon 9/4/14	<p><u>Extension</u> until further notice:</p> <ul style="list-style-type: none"> <li>• Outer Ayakulik Section</li> </ul> <p><u>Opening</u> for 54 hours, until 6:00 PM 9/6:</p> <ul style="list-style-type: none"> <li>• Inner Ayakulik Section</li> </ul> <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> <li>• Outer Kitoi Bay Section</li> <li>• Izhut Bay Section</li> <li>• Halibut Bay, Sturgeon, Inner Karluk, and Outer Karluk sections</li> <li>• Central and North Cape sections</li> <li>• Southwest Afognak Section</li> </ul> <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>• Reduced until further notice at Karluk Lagoon exit channel terminus</li> </ul> <p><u>Non-retention</u> of Chinook salmon 28 inches in length or greater 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>
45	9:00 AM 9/7/14	Noon 8/9/14	<p><u>Opening</u> for 54 hours, until 6:00 PM 9/10:</p> <ul style="list-style-type: none"> <li>• Mainland District</li> <li>• Northwest Afognak, Shuyak Island, Pauls Bay, Perenosa Bay, and Northeast Afognak sections</li> <li>• Humpy-Deadman Section</li> <li>• Eastside Kodiak District</li> </ul> <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> <li>• Outer Kitoi Bay Section</li> <li>• Izhut Bay Section</li> <li>• Halibut Bay, Sturgeon, Inner Karluk, and Outer Karluk sections</li> <li>• Central and North Cape sections</li> <li>• Southwest Afognak Section</li> </ul>

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E.O. #	Issued	Effective	Action in effect
45 (cont.)			<p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>Reduced until further notice at Karluk Lagoon exit channel terminus</li> </ul> <p><u>Non-retention</u> of Chinook salmon 28 inches in length or greater 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>
46	10:30 AM 9/12/14	Noon 9/15/14	<p><u>Opening</u> for 54 hours, until 6:00 PM 9/17:</p> <ul style="list-style-type: none"> <li>Eastside Kodiak District</li> <li>Northeast Kodiak District</li> <li>Alitak District</li> <li>Inner Ayakulik Section</li> <li>Afognak District (except Izhut Bay, Outer Kitoi Bay and Southwest Afognak sections remain open until further notice, and Inner Kitoi Bay Section remains closed)</li> <li>Mainland District</li> </ul> <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> <li>Outer Kitoi Bay Section</li> <li>Izhut Bay Section</li> <li>Halibut Bay, Sturgeon, Inner Karluk, and Outer Karluk sections</li> <li>Central and North Cape sections</li> <li>Southwest Afognak Section</li> </ul> <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>Reduced until further notice at Karluk Lagoon exit channel terminus</li> </ul> <p><u>Non-retention</u> of Chinook salmon 28 inches in length or greater 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>
47	10:30 AM 9/19/14	Noon 9/19/14  Noon 9/22/14	<p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> <li>Increased to normal closed waters at Karluk Lagoon</li> </ul> <p><u>Opening</u> for 54 hours, until 6:00 PM, 9/24:</p> <ul style="list-style-type: none"> <li>Eastside Kodiak District</li> <li>Northeast Kodiak District</li> <li>Alitak District</li> <li>Inner Ayakulik Section</li> <li>Afognak District (except Izhut Bay, Outer Kitoi Bay and Southwest Afognak sections remain open until further notice, and Inner Kitoi Bay Section remains closed)</li> <li>Mainland District</li> </ul>

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E.O. #	Issued	Effective	Action in effect
47 (cont.)			<p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> <li>• Outer Kitoi Bay Section</li> <li>• Izhut Bay Section</li> <li>• Halibut Bay, Sturgeon, Inner Karluk, and Outer Karluk sections</li> <li>• Central and North Cape sections</li> <li>• Southwest Afognak Section</li> </ul> <p><u>Non-retention</u> of Chinook salmon 28 inches in length or greater 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>

## **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 (from the unpublished Kodiak Area Annual Report, 1969, ADF&G, Kodiak). The issue of interception of Chignik-bound sockeye salmon in the Cape Igvak Section came before the Board of Fisheries (BOF) several times over the next 10 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 must begin in CMA before fisheries are allowed in the Cape Igvak Section (Keyse 2014).

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). In years that an allocation fishery has been prosecuted in the Cape Igvak Section, the sockeye salmon harvest has averaged 12.4% 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 36 years the plan has been in place (Appendices C3 and C4).

### 2014 Cape Igvak Fishery

#### Early Run

The 2014 preseason forecast for the Chignik system predicted a return of approximately 788,000 early-run (Black Lake) sockeye salmon. The early-run escapement goal is 350,000 to 450,000 sockeye salmon by July 4 (Sagalkin et al. 2013). This left a forecasted harvestable surplus of 438,000 early-run sockeye salmon (Munro and Tide 2014).

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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 well below average and the allocative requirements were not met, therefore the allocation fishery with Cape Igvak was not open to commercial fishing during the early run in 2014. 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 remained closed from June 26 through July 8.

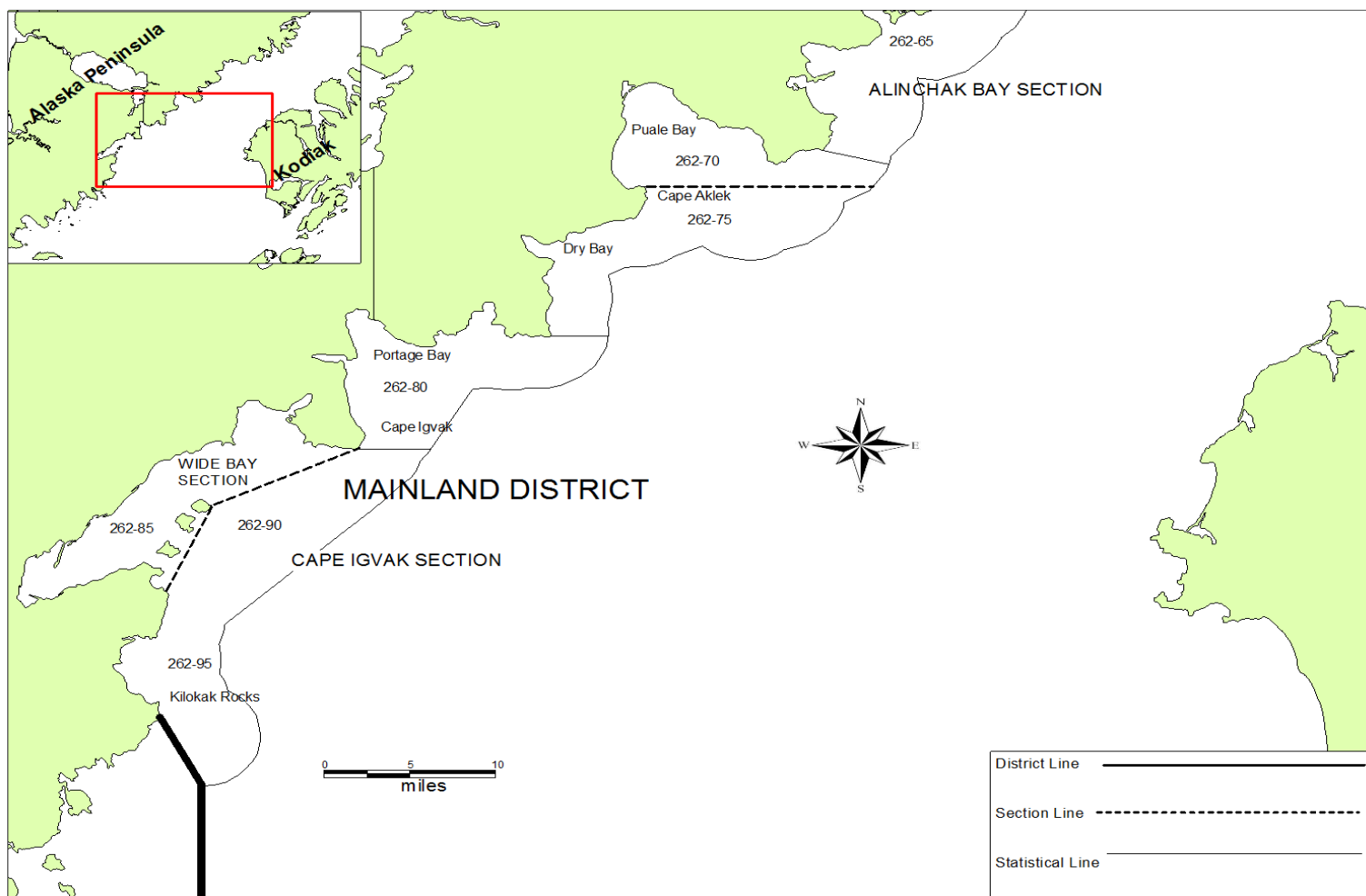
### **Late Run**

The preseason forecast for late-run (Chignik Lake) sockeye salmon was approximately 909,000 fish in 2014. The late-run escapement objective was 250,000 to 400,000 sockeye salmon (Sagalkin et al. 2014) resulting in a harvestable surplus forecast of 659,000 sockeye salmon (Munro and Tide 2014).

The 2014 Chignik late run (Chignik Lake) was below forecast and no fishing opportunity was allowed in the Cape Igvak Section through the end of the late-run allocation period on July 25.

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Appendix C2.—Map of the Cape Igvak Section of the Kodiak Management Area, 2014.

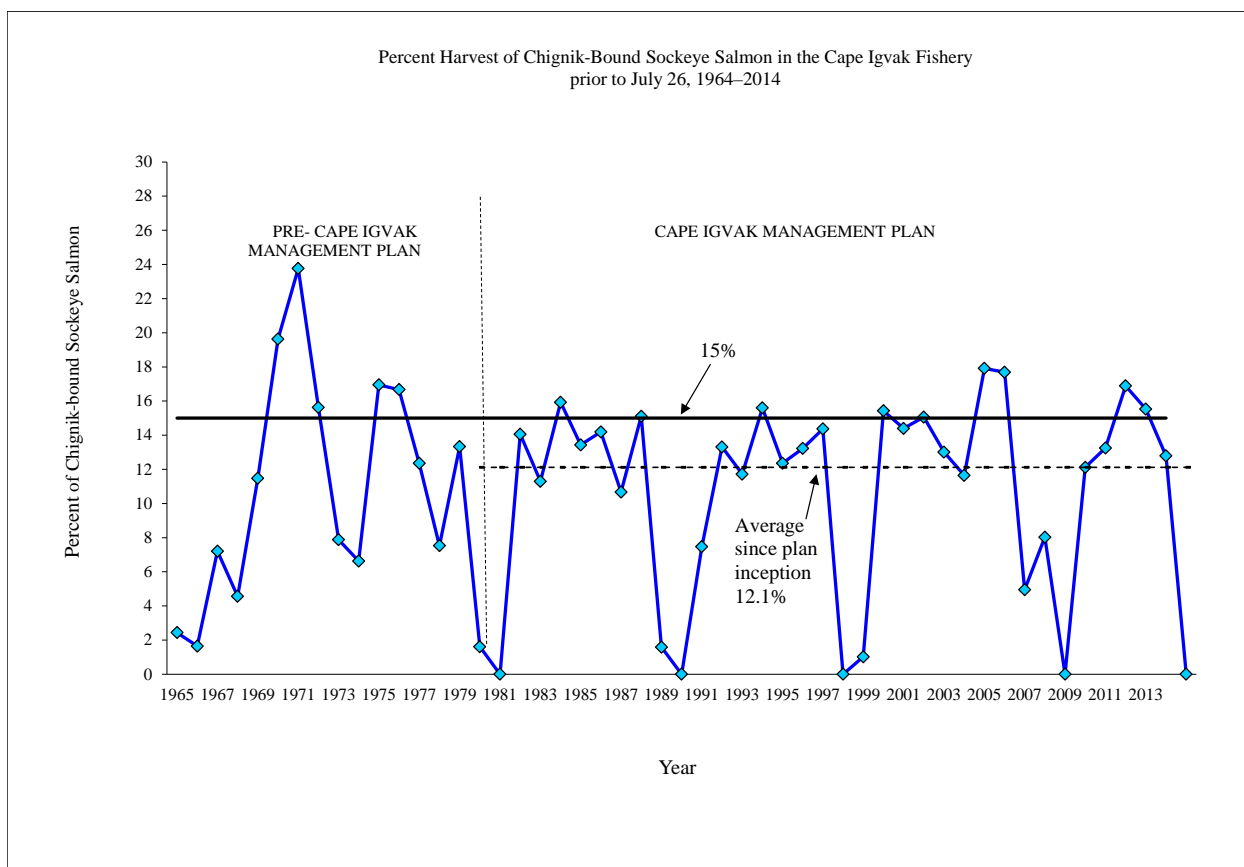
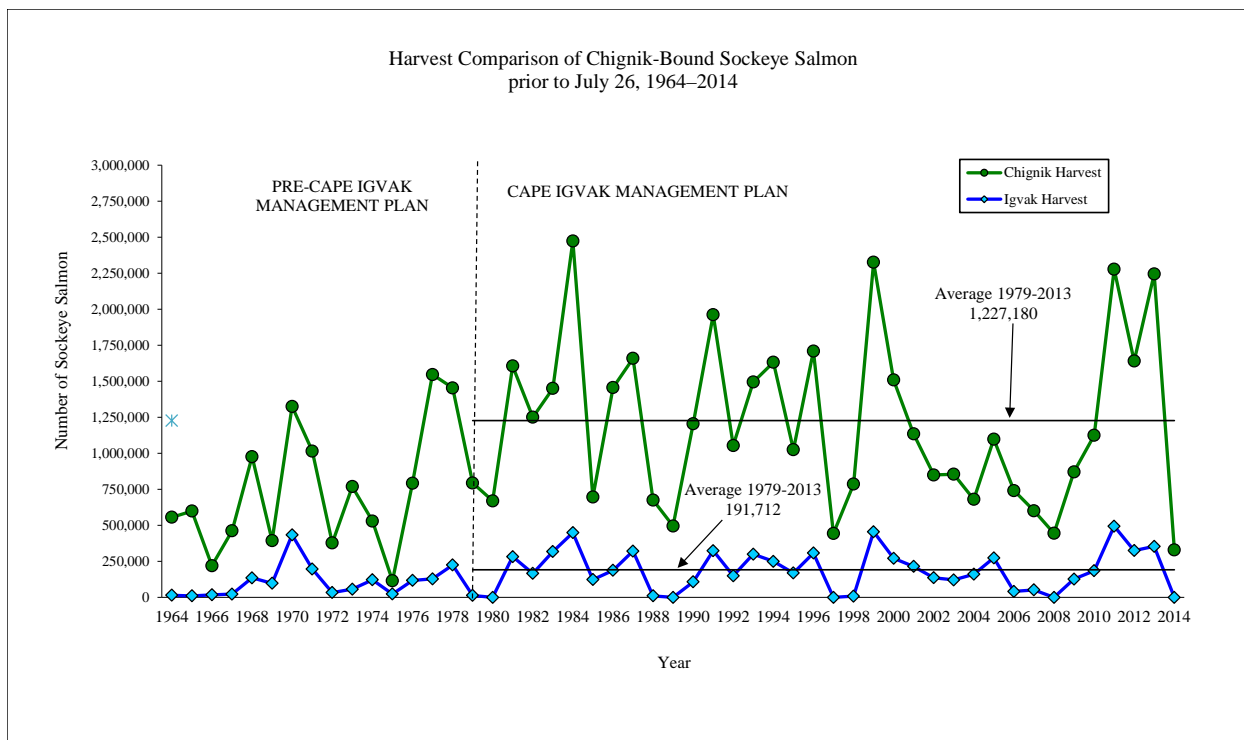
Appendix C3.–Harvest of sockeye salmon considered to be Chignik bound in the Chignik, Cape Igvak, and Southeastern District Mainland commercial salmon fisheries, from 1978 to 2014.

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
2014	330,302	100.00	<sup>f</sup>	0.00	<sup>f</sup>	0.00	330,302

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- <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 caught in those areas are destined for Chignik (excluding sockeye caught in the Northwest Stepovak Section from 1964 to 1991 and during July from 1996 through 2009, and Orzinski Bay from 1992 to 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%.
- <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 fisheries 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 allowed an allocation 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 through 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 D. ALITAK DISTRICT FISHERY SUMMARY**

## INTRODUCTION

Within the Alitak District fishery set gillnet and seine are legal gear types for commercial salmon fishing. Set gillnets are allowed only in the inside waters of the Alitak Bay, Moser Bay, and Olga Bay sections, whereas 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 Alitak District to conserve and build sockeye salmon stocks returning to the Frazer, Akalura, 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 (BOF, 5AAC 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 that salmon be harvested in the “traditional” fisheries located in the Cape Alitak, Humpy–Deadman, Alitak Bay, Moser Bay, and Olga Bay sections (Keyse 2014).

This management plan has been in effect since 1988 and was most recently revised by the BOF in 2014. The BOF changed the staggered opening and closing times introduced in 2005 for the Cape Alitak, Alitak Bay, Moser Bay, and Olga Bay sections; for the 2014 commercial salmon season, these sections opened and closed at the same time. The BOF also mandated the Department manage the Upper Station sockeye salmon run for sustained yield by an optimal escapement goal (OEG) of 30,000 fish, instead of the OEG of 25,000 fish, but only if the Department determines that the upper end of the Frazer system sockeye salmon escapement goal will be achieved (5 AAC 18.361(c)) (Keyse 2014). 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 the Department determines that the sockeye salmon escapement goals will be achieved for both the Frazer and Upper Station sockeye salmon runs.

## 2014 Alitak Fishery

The total run forecast for the Upper Station early run was 51,000 sockeye salmon, with no estimated harvestable surplus unless the Upper Station early run OEG is in effect at which point a surplus of 21,000 fish may be available to harvest. The 2014 total run forecast for the Frazer Lake system was 229,000 sockeye salmon (Munro and Tide 2014), with an estimated harvestable surplus of approximately 92,000 sockeye salmon. The total run forecast for Upper Station late run was 214,000 sockeye salmon, with an estimated harvestable surplus of approximately 28,000 sockeye salmon (Munro and Tide 2014).

The early-run Upper Station sockeye salmon run has a BOF-mandated biological escapement goal (BEG) of 43,000 to 93,000 fish, except the BOF directed the Department to manage for an OEG of 30,000 fish if the upper end of the Frazer system sockeye salmon escapement goal will be exceeded. The Frazer Lake sockeye salmon biological escapement goal (BEG) range is 75,000 to 170,000 fish. The 2014 targeted sockeye salmon escapement for Frazer Lake was based on a maximum sustained yield calculation of 117,000 fish (Sagalkin et al. 2013). 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 fish pass) below the outlet of the lake. Over the years an increasing number of sockeye salmon have not escaped

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the fish pass into the lake and have remained in Dog Salmon River. For the past 5 years the number of sockeye salmon remaining in the river has averaged approximately 26,000 fish. The 2014 targeted Dog Salmon weir sockeye salmon escapement was determined to be 137,000 fish. However, the Dog Salmon weir target escapement goal will also be further increased to account for increase jack sockeye salmon (see below). The Upper Station late run has a BEG of 120,000 to 265,000 fish. The 2014 target sockeye salmon escapement for the Upper Station late run was based on a maximum sustained yield calculation of 186,000 fish (Sagalkin et al. 2013).

### **Frazer Jack Salmon and Alitak Salmon Management**

The Frazer Lake sockeye salmon run has a two year cycle of runs with large numbers of jack sockeye salmon. The department defines jack sockeye salmon as sexually mature males that return after only one year in the ocean. In order to maintain an appropriate escapement sex ratio and size range the Frazer Lake target sockeye salmon escapement is further increased to account for excess jacks. When the total number of jacks counted through Dog Salmon weir exceeds 10% of the overall cumulative sockeye salmon counted through the weir, then jacks in excess of 10% are not considered toward the inseason management objectives. To further limit the number of jacks that could potentially spawn, jacks are also trapped and culled prior to passing the Dog Salmon weir. It was anticipated that the 2014 season would be a year with large numbers of jack sockeye salmon and the department targeted the upper end of the Frazer Lake sockeye salmon escapement goal of 170,000 fish.

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

The *Alitak District Management Plan* (ADMP; 5AAC 18.361) states that from June 1 through July 16, commercial salmon fishing must be managed in the traditional fishing areas of the Cape Alitak, Humpy–Deadman Bay, Alitak Bay, Moser Bay, and Olga Bay sections based on the sockeye salmon returning to the Frazer and Upper Station systems. However, from June 1 through August 20, the Dog Salmon Flats Section of the Alitak District must be managed based on only Frazer Sockeye and Pink salmon. Since 1984, the Department also announced a 33-hour commercial salmon fishing period for the entire Alitak District in early June.

Early-run escapement through the Upper Station weir was weak and the BEG of 43,000 to 93,000 fish was not projected to be met, although escapement through the Dog Salmon weir was well above average (Fuerst 2015). In order to allow for additional escapement to the Upper Station system and because the department was targeting the upper value of the Frazer sockeye salmon escapement goal (170,000 fish, due to an anticipated large number of jack sockeye salmon), the usual 33-hour test fishery in early June did not take place.

By June 20, Dog Salmon weir escaped approximately 51,000 sockeye salmon, whereas the Upper Station weir only escaped approximately 22,000 sockeye. Although early escapement through Dog Salmon weir continued to be strong, escapement through Upper Station weir was weak and the traditional areas within the Alitak District remained closed. Because only Frazer (Dog Salmon) sockeye escapement was adequate, a 57-hour commercial salmon fishery was announced for June 22 only in the Dog Salmon Flats section to allow harvest of excess fish bound for the Frazer system. Harvest and effort was minimal and did little to slow escapement into the Frazer (Dog Salmon) system.

Escapement through the Dog Salmon weir continued to be strong, while escapement at Upper Station did not improve substantially (Fuerst 2015). Another 57-hour fishing period was announced only for the Dog Salmon Flats Section on June 27. Both effort and harvest increased; however, escapement to Upper Station remained well below the desired escapement levels for June 27 (Fuerst 2015).

By July 1, escapement past the Dog Salmon weir was approximately 103,000 sockeye salmon, which was well above the anticipated escapement for this date, and projected to exceed the upper value of the escapement goal. Salmon escapement at Upper Station was 32,480 sockeye (Fuerst 2015). Although sockeye salmon escapement at Upper Station was below desired levels to achieve the lower value of the BEG (43,000 fish), it had surpassed the OEG of 30,000 fish. The Dog Salmon Flats Section was extended for 72 hours on July 1 in an effort to limit escapement into the Frazer system while attempting to allow for adequate escapement to Upper Station. At noon July 2, a 57-hour fishing period was established in the traditional fishing areas of the Alitak District and closed in conjunction with the Dog Salmon Flats Section on July 4.

Dog Salmon (Frazer) returns continued to be strong after the July 4 closure with sockeye escapement at 122,666 fish by July 6. Upper Station sockeye escapement remained low as the early run came to a close (Fuerst 2015). Adequate escapements to the Frazer system and Upper Station prompted a 57-hour opening in the traditional fishing areas of the Cape Alitak, Humpy-Deadman, Alitak Bay, Moser Bay, Olga Bay, and Dog Salmon Flats sections on July 8. During this fishing period, escapements to the Frazer system were steady and catches were average.

The Dog Salmon Flats Section was extended for an additional 72 hours starting July 10 as the other sections closed in an effort to curtail escapement to Frazer and protect early-run Upper Station sockeye. By July 11, Dog Salmon sockeye escapement was projected well over the upper escapement goal of 170,000 fish, so the Dog Salmon Flats Section was extended for 96 hours and the traditional fishing areas of the Cape Alitak, Humpy-Deadman, Alitak Bay, Moser Bay, and Olga Bay sections also opened for 105 hours on July 13.

From July 16 through August 9, commercial salmon fishing must be managed in the traditional fishing areas of Cape Alitak, Alitak Bay, Moser Bay, and Olga Bay sections based on the sockeye salmon returning to either the Frazer (Dog Salmon) or Upper Station late run. On July 15, the total sockeye salmon escapement past Dog Salmon weir was 161,738 fish (Fuerst 2015). This level of escapement was near the upper end of the range of anticipated returns for this date, and the department announced a 72-hour extension to the fishing period in the Dog Salmon Flats Section to slow escapement into the Frazer system and allow late-run sockeye into Upper Station.

On July 18, the total late-run sockeye salmon past Upper Station weir was 288 fish, below the lower end of the anticipated returns for this date. However, it was very early in the average run timing (Fuerst 2015). The cumulative Dog Salmon weir count was 170,652 sockeye salmon through July 18. This level of escapement was still toward the upper end of the range of anticipated returns for this date (Fuerst 2015). The need to control Dog Salmon sockeye salmon escapement became paramount, and the department extended the Dog Salmon Flats Section for 96 hours and announced a 105-hour opening for the remainder of the AD on July 20. Due to moderate catches rates and adequate escapements, the commercial salmon fishing period was extended through July 31.

The final 2014 sockeye salmon escapement at the Dog Salmon weir was 217,461 fish (Fuerst 2015). The final 2014 Frazer fish pass escapement was 200,296 fish. For 2014, an estimated total of 17,165 sockeye salmon were enumerated at the Dog Salmon weir but did not ascend the Frazer fish pass. A total of 6,429 jacks were culled at Dog Salmon weir. A total of 20,897 jacks (9.6% of the run) were allowed to pass the Dog Salmon weir. A total of 22,753 jacks passed the Frazer fish pass, bringing the non-jack adult total sockeye salmon escaped into Frazer fish pass to 177,543 fish.

The *Alitak District Management Plan* (ADMP; 5AAC 18.361) states that during even-numbered years, from August 10 through August 25, commercial salmon fishing must be managed in the traditional fishing areas of Cape Alitak, Alitak Bay, Moser Bay, and Olga Bay sections based on the pink salmon returning to the Frazer system or on the sockeye salmon returning to the Upper Station system. On August 8, the total late-run sockeye salmon past Upper Station weir was 5,693 fish, below the anticipated returns for this date. In addition to the low Upper Station sockeye escapements, pink salmon escapement past the Dog Salmon weir remained low to moderate throughout the month of August, resulting in no commercial fishing periods for the majority of August.

After August 25, the Cape Alitak, Alitak Bay, Moser Bay, and Olga Bay sections salmon fishery is managed on coho and sockeye salmon runs to Olga Bay. On August 28, sockeye and coho salmon escapement into Upper Station was adequate to allow the first commercial fishing period in the month of August in these sections. The department announced a 54-hour commercial salmon fishing period on August 29. The resulting opening indicated below-average abundance of sockeye and coho salmon.

By mid-September, sockeye and coho salmon escapement into Upper Station was adequate resulting in two 54-hour fishing periods after which the Alitak District closed for the season. The 2014 Upper Station late-run cumulative escapement was 181,411 sockeye salmon (Fuerst 2015).

### **Humpy–Deadman Section Salmon Management**

The Humpy–Deadman Section (HDS) is managed from June 1 through July 15 with equal fishing time with the Cape Alitak Section. After July 15, HDS is managed based on the strength of the local salmon returns.

On July 20, HDS opened for 105 hours for the third scheduled pink salmon opening. Early aerial surveys indicated a below-average abundance of pink salmon everywhere except Deadman River. On July 27, HDS opened for 105 hours for the fourth scheduled pink salmon opening. An aerial survey on July 30 indicated continued below-average abundance of pink salmon except for Deadman River within the HDS. On July 31, the commercial fishing period within Deadman Bay north of the latitude at Cape Hepburn was extended to remain open until further notice. Over the next 2 weeks fishing effort and harvest rates diminished within Deadman Bay and the area was closed to commercial fishing on August 13 to increase escapement into local rivers.

There were 5 subsequent 54-hours fishing periods were announced from late August through the end of September but no fishing effort occurred in the HDS after August 27.

### **Season Totals**

In 2014, set gillnet harvest in the Olga Bay Section (statistical area 257-40) by 18 permit holders included 14,346 sockeye, 164 coho, 6,681 pink, and 864 chum salmon (Appendix D3). Set gillnet harvest in the Moser Bay Section (statistical area 257-43) by 18 permit holders included 24,030 sockeye, 459 coho, 14,598 pink, and 851 chum salmon (Appendix D3). Set gillnet harvest in the Alitak Bay Section (statistical area 257-41) by 25 permit holders included 9 Chinook, 28,031 sockeye, 574 coho, 32,323 pink, and 768 chum salmon (Appendix D3). Set gillnet harvest in the Dog Salmon Flats Section (statistical area 257-42) by 33 permit holders included 66,675 sockeye, 3 coho, 8,944 pink, and 2,171 chum salmon (Appendix D3).

In 2014, seine harvest in the Cape Alitak Section (statistical areas 257-10 and -20) by 41 permit holders included 113 Chinook, 73,603 sockeye, 1,848 coho, 141,794 pink, and 3,920 chum salmon (Appendix D4). Seine harvest in the Humpy-Deadman Section (statistical areas 257-50, -60, and -70) by 35 permit holders included 167 Chinook, 47,832 sockeye, 1,212 coho, 457,449 pink, and 5,027 chum salmon (Appendix D4). There were 2 fishing periods were allowed in the Alitak District after September 5 but there were no set gillnet or seine deliveries during either fishing period.

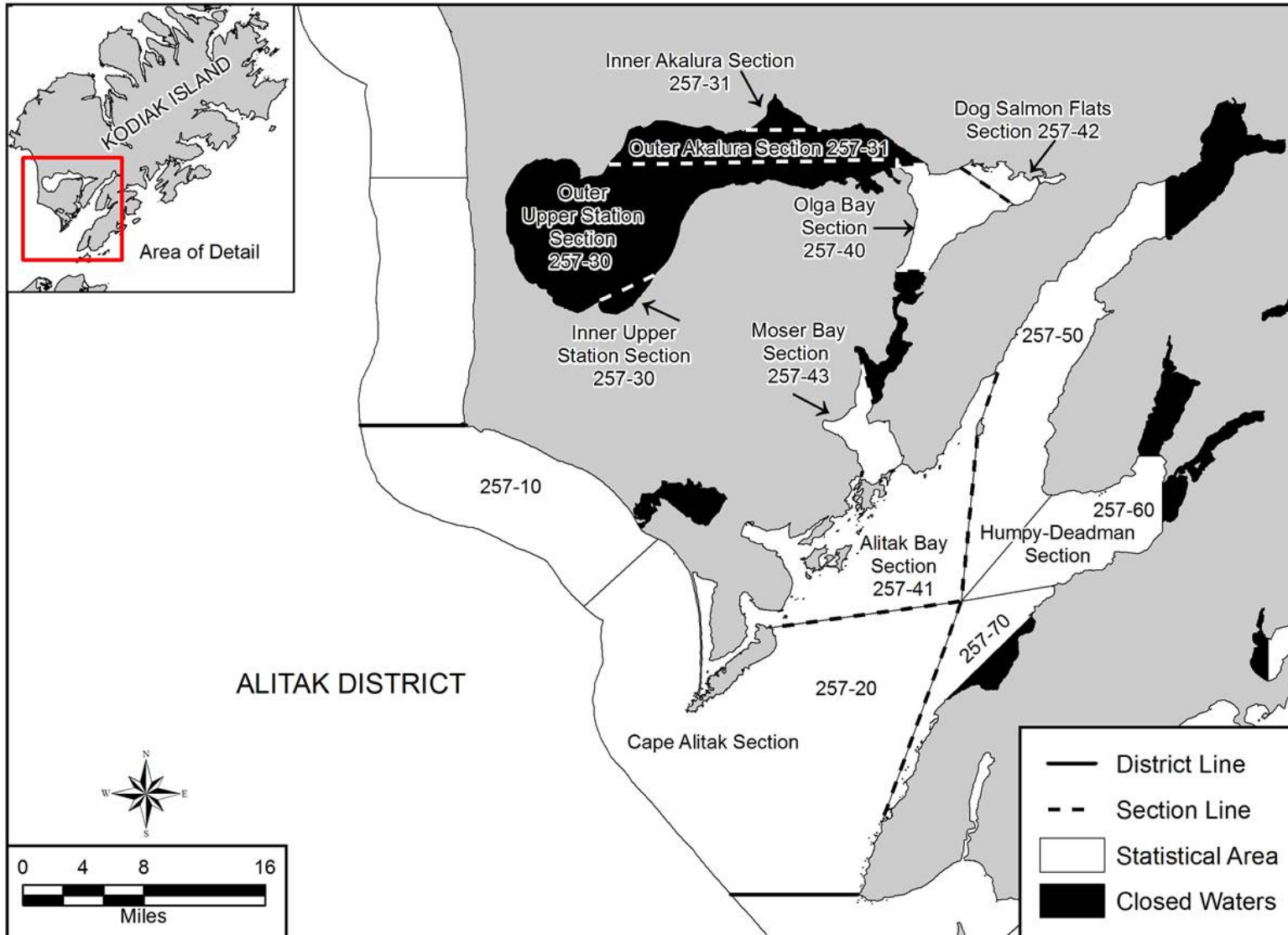
A total of 48 purse seine permit holders fished in the Alitak District in 2014 with a total harvest of 185 Chinook (95% of the total AD Chinook harvest), 121,435 sockeye (48%), 3,060 coho (28%), 599,243 pink (91%), and 8,947 chum salmon (66%; Appendices D4, D5, and D6). A total of 49 gillnet permit holders fished in AD and harvested 9 Chinook (5%), 133,082 (52%), 1,200 coho (72%), 62,546 pink (9%), and 4,654 chum salmon (34%; Appendices D3, D5, and D6).

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Appendix D2.—Map of the Alitak District showing sections, statistical areas, and closed waters, 2014.



Appendix D3.—Set gillnet daily salmon harvest, by species and section, for the Alitak District, 2014.

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	4-Jul	3	5	0	0	478	2,403	0	0	2	8	22	157
	8-Jul	6	10	0	0	1,671	8,267	0	0	5	18	74	626
	9-Jul	4	5	0	0	782	3,865	0	0	3	12	21	192
	10-Jul	3	3	0	0	80	404	0	0	0	0	1	8
	13-Jul	7	14	0	0	2,780	14,726	0	0	79	275	64	555
	14-Jul	5	5	0	0	401	2,124	0	0	29	105	17	150
	15-Jul	4	6	0	0	753	4,155	0	0	37	129	123	1,061
	16-Jul	7	7	0	0	360	1,977	0	0	47	171	86	711
	17-Jul	5	6	0	0	288	1,599	0	0	41	152	96	837
	20-Jul	7	11	0	0	1,618	8,932	0	0	336	1,195	81	693
	21-Jul	4	4	0	0	479	2,644	0	0	161	571	39	344
	22-Jul	7	8	0	0	654	3,609	0	0	268	950	41	356
	23-Jul	5	5	0	0	321	1,770	0	0	128	456	31	275
	24-Jul	5	5	0	0	174	940	0	0	151	533	30	264
	25-Jul	6	7	0	0	264	1,441	0	0	326	1,157	8	65
	26-Jul	5	5	0	0	285	1,247	0	0	263	922	11	94
	27-Jul	6	6	0	0	380	2,099	0	0	776	2,720	12	109
	28-Jul	5	7	0	0	411	2,252	0	0	1,583	5,560	14	126
	29-Jul	4	5	0	0	269	1,480	2	19	916	3,210	10	89
	30-Jul	4	5	0	0	174	937	0	0	910	3,187	7	78
	31-Jul	4	5	0	0	136	758	0	0	564	1,985	3	26
	29-Aug	4	5	0	0	948	5,220	87	751	42	156	41	275
	30-Aug	5	8	0	0	624	3,438	70	589	14	53	27	193
	31-Aug <sup>a</sup>												
Total		18	148	0	0	14,346	76,377	164	1,399	6,681	23,525	864	7,319
Average weight					0.0		5.32		8.53		3.52		8.47
Moser Bay	2-Jul	4	4	0	0	525	2,473	1	6	38	122	9	74
Section	3-Jul	6	8	0	0	901	4,776	1	6	15	56	12	107
257-43	4-Jul	5	9	0	0	1,662	8,639	0	0	23	85	15	138

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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 Section 257-43 (cont.)	8-Jul	6	6	0	0	1405	7591	0	0	55	215	18	156
	9-Jul	9	11	0	0	1,824	9,853	0	0	61	228	27	252
	10-Jul	6	9	0	0	1,165	6,273	0	0	122	442	67	578
	13-Jul	8	8	0	0	1,405	7,344	1	7	234	882	11	98
	14-Jul	9	11	0	0	2,536	13,275	0	0	302	1,140	19	166
	15-Jul	7	9	0	0	1,322	6,877	2	18	204	777	29	251
	16-Jul	7	11	0	0	1,113	5,454	3	22	286	1,071	16	141
	17-Jul	8	12	0	0	1,187	5,959	2	16	322	1,189	13	116
	20-Jul	6	6	0	0	852	4,415	0	0	715	2,731	13	106
	21-Jul	11	14	0	0	777	4,167	1	7	681	2,608	14	123
	22-Jul	8	8	0	0	336	1,779	2	17	494	1,889	13	118
	23-Jul	9	11	0	0	335	1,750	2	15	494	1,893	8	69
	24-Jul	8	10	0	0	529	2,718	0	0	823	3,242	25	220
	25-Jul	7	11	0	0	638	3,213	0	0	929	3,658	8	70
	26-Jul	7	10	0	0	869	4,438	0	0	1,542	6,245	10	84
	27-Jul	6	10	0	0	775	3,876	5	37	1,529	6,049	14	120
	28-Jul	6	8	0	0	813	4,030	4	37	1,466	5,860	456	2,027
	29-Jul	7	11	0	0	607	3,120	3	25	1,411	5,617	10	89
	30-Jul	6	9	0	0	379	1,988	2	20	1,168	4,699	7	60
	31-Jul	5	8	0	0	349	1,871	2	17	1,623	6,493	8	68
	29-Aug	4	4	0	0	554	2,986	121	1,132	38	158	9	86
	30-Aug	6	8	0	0	631	3,445	154	1,233	18	70	9	76
	31-Aug	5	5	0	0	541	3,016	153	1,471	5	20	11	99
Total		18	231	0	0	24,030	125,326	459	4,086	14,598	57,439	851	5,492
Average weight					0.0		5.22		8.90		3.93		6.45
Alitak Bay Section 257-41	2-Jul	7	7	0	0	511	2,468	0	0	84	347	6	50
	3-Jul	9	15	0	0	1,742	9,197	2	11	124	453	9	69
	4-Jul	10	16	0	0	2,115	10,850	0	0	111	404	17	129
	8-Jul	9	10	0	0	947	5,184	1	10	277	1,018	32	260

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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	9-Jul	10	19	0	0	2,120	11,301	7	51	269	971	46	402
Section	10-Jul	12	15	0	0	1,687	8,755	3	18	235	866	20	169
257-41	13-Jul	9	12	0	0	1,804	9,739	1	8	804	2,995	32	285
(cont.)	14-Jul	9	16	0	0	2,281	12,214	6	52	880	3,298	32	270
	15-Jul	8	12	0	0	692	3,826	7	53	270	1,147	5	41
	16-Jul	8	8	0	0	373	1,889	1	8	433	1,673	17	164
	17-Jul	8	12	0	0	632	3,317	6	55	356	1,504	13	103
	20-Jul	7	9	0	0	495	2,589	2	18	1,193	4,017	24	214
	21-Jul	12	17	0	0	1,028	5,539	15	133	1,687	6,282	49	427
	22-Jul	10	13	0	0	465	2,521	11	99	1,071	3,863	17	132
	23-Jul	12	16	0	0	558	2,986	2	14	1,294	4,849	64	505
	24-Jul	12	16	0	0	1,002	5,340	26	221	1,682	6,228	38	304
	25-Jul	12	19	0	0	1,026	5,513	6	36	1,834	6,942	26	213
	26-Jul	10	16	0	0	1,190	6,256	9	81	2,605	9,962	39	317
	27-Jul	10	14	0	0	1,156	6,210	17	139	2,942	11,324	47	382
	28-Jul	10	14	0	0	1,114	6,042	10	79	3,533	12,863	31	269
	29-Jul	11	15	0	0	745	4,055	10	77	3,528	13,571	42	376
	30-Jul	10	15	0	0	619	3,387	1	9	3,626	13,745	44	382
	31-Jul	9	13	0	0	515	2,836	5	36	3,452	13,017	66	568
	29-Aug	6	6	9	54	768	4,190	93	889	13	54	16	159
	30-Aug	7	13	0	0	1,379	7,697	209	1,592	12	48	26	230
	31-Aug	8	10	0	0	1,067	5,808	124	1,133	8	31	10	70
Total		25	348	9	54	28,031	149,709	574	4,822	32,323	121,472	768	6,490
Average weight					6.00		5.34		8.40		3.76		8.45
Dog Salmon	22-Jun	19	25	0	0	4,091	19,653	0	0	0	0	124	1,128
Flats Section	23-Jun	22	36	0	0	5,689	28,095	0	0	0	0	181	1,424
257-42	24-Jun	19	28	0	0	6,652	31,304	0	0	0	0	54	527
	27-Jun	22	25	0	0	2,077	9,698	0	0	1	3	113	1,100

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Statistical Area	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Dog Salmon Flats	28-Jun	24	31	0	0	4,953	24,583	0	0	0	0	39	330
Flats Section	29-Jun	21	28	0	0	5,138	24,492	1	6	1	3	72	582
257-42	30-Jun	24	35	0	0	5,688	28,206	0	0	0	0	64	526
(cont.)	1-Jul	22	31	0	0	3,395	15,843	0	0	0	0	53	410
	2-Jul	13	25	0	0	4,263	21,361	0	0	3	14	43	341
	3-Jul	9	11	0	0	934	4,728	0	0	4	16	8	67
	4-Jul	6	8	0	0	478	2,407	0	0	0	0	47	410
	8-Jul	4	6	0	0	2,375	11,850	1	5	4	19	141	1,223
	9-Jul	3	4	0	0	1,038	5,198	0	0	5	20	50	441
	10-Jul	4	4	0	0	297	1,587	0	0	5	16	13	146
	11-Jul	11	17	0	0	1,154	6,306	0	0	33	137	158	1,369
	12-Jul	9	16	0	0	3,142	14,634	0	0	50	183	117	1,137
	13-Jul	8	16	0	0	3,293	18,085	0	0	76	303	52	426
	14-Jul	3	4	0	0	510	2,701	1	8	19	68	12	96
	15-Jul	6	9	0	0	879	4,855	0	0	38	135	74	626
	16-Jul	3	3	0	0	376	2,045	0	0	65	230	50	436
	17-Jul	4	6	0	0	572	3,006	0	0	91	327	70	644
	18-Jul	7	11	0	0	865	4,344	0	0	115	419	186	1,658
	19-Jul	7	10	0	0	3,193	13,046	0	0	309	1,098	169	1,527
	20-Jul	5	10	0	0	1,800	9,921	0	0	310	1,114	41	375
	21-Jul	3	3	0	0	251	1,384	0	0	105	370	33	286
	22-Jul	3	3	0	0	258	1,422	0	0	145	513	40	346
	23-Jul	6	7	0	0	203	1,036	0	0	206	753	29	253
	24-Jul	3	4	0	0	165	912	0	0	220	773	30	247
	25-Jul <sup>a</sup>												
	26-Jul	4	5	0	0	267	1,440	0	0	324	1,433	10	101
	27-Jul	3	3	0	0	241	1,332	0	0	412	1,447	22	185
	28-Jul <sup>a</sup>												
	29-Jul <sup>a</sup>												
	30-Jul	4	8	0	0	614	3,389	0	0	1,869	6,554	19	164

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Statistical				Chinook		Sockeye		Coho		Pink		Chum	
Area	Date	Permits	Landings	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
257-42	31-Jul	3	3	0	0	362	1,999	0	0	1,459	5,110	11	102
Total		33	448	0	0	66,675	328,894	3	19	8,944	31,901	2,171	19,036
Average weight					0.0		4.93		6.33		3.57		8.77
Grand total		49	1,151	9	54	133,082	680,306	1,200	10,326	62,546	234,337	4,654	38,337
Average weight					6.0		5.11		8.61		3.75		8.24

<sup>a</sup> Confidential

Appendix D4.—Purse seine daily salmon harvest, by species and section, for the Alitak District, 2014.

Statistical				Chinook		Sockeye		Coho		Pink		Chum	
Area	Date	Permits	Landings	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Cape Alitak Section (257-10 & 20)	2-Jul	14	15	17	143	9,636	47,320	31	241	3,980	11,856	317	2,510
	3-Jul	3	3	7	31	1,339	6,702	3	20	762	2,425	46	344
	4-Jul	10	10	6	50	5,329	27,061	48	292	2,242	6,959	174	1,408
	8-Jul	9	9			11,029	58,109	598	4,684	9,714	29,437	945	6,767
	9-Jul	11	11	6	85	14,232	82,376	86	509	10,420	30,596	534	4,096
	10-Jul	12	12	3	21	6,764	33,597	37	215	7,349	22,135	311	2,578
	13-Jul	12	12	11	141	10,318	62,913	152	1,061	21,439	65,062	525	3,893
	14-Jul	6	6	2	24	4,537	26,668	4	21	14,908	45,791	181	1,367
	15-Jul	7	7	13	169	3,339	16,225	31	223	9,694	29,087	358	2,862
	16-Jul <sup>a</sup>												
	17-Jul	4	4	14	223	1,933	8,388	79	504	6,848	21,426	87	683
	20-Jul <sup>a</sup>												
	21-Jul	3	3	1	7	242	1,156	18	179	9,590	27,362	55	456
	23-Jul	4	5	4	35	1,083	4,689	15	130	22,850	70,330	100	795
	24-Jul <sup>a</sup>												
	25-Jul	4	4	0	0	868	5,283	19	135	5,488	17,717	68	552
	26-Jul <sup>a</sup>												
	27-Jul <sup>a</sup>												
	29-Jul <sup>a</sup>												
	30-Jul <sup>a</sup>												
	31-Jul <sup>a</sup>												
	29-Aug <sup>a</sup>												
Total		41	113	112	1,304	73,603	394,859	1,848	14,269	141,794	431,977	3,920	29,983
Average weight					11.64		5.36		7.72		3.05		7.65
Humpy-Deadman Section (257-50, 60 & 70)	2-Jul	11	11	3	19	4,062	19,508	10	65	4,017	12,064	226	1,729
	3-Jul	7	7	7	52	5,722	28,296	15	95	4,467	13,409	182	1,525
	4-Jul <sup>a</sup>												
	8-Jul	8	9	33	247	8,411	46,391	156	943	7,140	21,424	487	2,875
	9-Jul	6	6	0	0	1,596	9,597	1	7	3,579	10,748	115	901
	10-Jul <sup>a</sup>												

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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	13-Jul	6	7	1	17	5,182	30,266	33	209	22,500	67,500	336	2,843
(257-50,60 & 70)	14-Jul <sup>a</sup>												
	15-Jul	11	11	4	44	4,216	19,698	35	241	33,592	100,778	379	3,173
	16-Jul	6	6	0	0	699	3,211	23	196	15,253	47,868	124	985
	17-Jul	13	13	0	0	1,100	5,156	17	95	36,785	120,422	227	1,878
	20-Jul	19	21	1	7	4,411	20,195	76	502	91,395	292,026	767	5,482
	21-Jul	11	11	11	167	1,356	6,113	20	132	45,477	145,826	396	3,153
	22-Jul	15	15	10	114	2,529	12,128	89	575	63,977	195,938	570	4,753
	23-Jul	7	7	1	10	1,176	5,260	16	101	22,773	68,317	245	2,204
	24-Jul	7	7	1	24	2,036	9,972	56	385	27,972	92,732	253	1,998
	27-Jul	5	5			378	1,652	30	213	26,435	79,371	94	730
	28-Jul	4	4	1	8	286	1,157	1	5	16,036	48,406	34	262
	29-Jul <sup>a</sup>												
	30-Jul	3	3	0	0	147	679	6	43	11,416	34,250	57	393
	31-Jul <sup>a</sup>												
	1-Aug	5	5	0	0	30	152	2	12	6,533	19,587	61	379
	3-Aug <sup>a</sup>												
	4-Aug <sup>a</sup>												
	6-Aug <sup>a</sup>												
	13-Aug <sup>a</sup>												
	25-Aug <sup>a</sup>												
	27-Aug	5	5			340	1,815	376	3,387	60	214	83	675
Total		35	167	73	709	47,832	242,511	1,212	9,684	457,449	1,428,816	5,027	39,075
Average weight					9.71		5.07		7.99		3.12		7.77
Grand total		48	280	185	2,013	121,435	637,370	3,060	23,953	599,243	1,860,793	8,947	69,058
Average weight					10.88		5.25		7.83		3.11		7.72



Appendix D5.—Salmon harvest by gear type and species for the Alitak District, 2014.

	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		Total	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
<u>Seine</u>														
Total	48	277	185	2,013	121,435	637,370	3,060	23,953	599,243	1,860,793	8,947	69,058	732,870	2,593,187
Average weight				10.88		5.25		7.83		3.11		7.72		
<u>Set gillnet</u>														
Total	49	1,151	9	54	133,082	680,306	1,200	10,326	62,546	234,337	4,654	38,337	201,491	963,360
Average weight				12.35		5.40		7.47		3.84		7.03		
Year total	97	1,534	194	2,067	254,517	1,317,676	4,260	34,279	661,789	2,095,130	13,601	107,395	934,361	3,556,547
Average weight				10.65		5.18		8.05		3.17		7.90		

<sup>a</sup> Confidential.

Appendix D6.—Commercial salmon harvest, by species with percent harvest by gear type, in the Alitak District, 1954–2014.

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%

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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%
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%
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	224	3%	97%	359,047	54%	46%	3,044	32%	68%	1,563,557	10%	90%	26,896	12%	88%	1,952,768	18%	82%
2013	646	1%	99%	223,126	60%	40%	4,056	41%	59%	2,664,435	1%	99%	34,324	8%	92%	2,926,587	6%	94%
2014	194	5%	95%	254,517	52%	48%	4,260	72%	28%	661,789	9%	91%	13,601	34%	66%	934,361	22%	78%
Averages <sup>b</sup> :																		
1954–2013	343	18%	81%	419,485	65%	35%	11,051	47%	53%	1,433,431	19%	81%	60,214	21%	79%	1,924,518	29%	71%
2004–2013	613	6%	94%	449,688	65%	35%	8,079	41%	59%	2,293,946	13%	88%	43,197	17%	83%	2,795,491	29%	71%

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*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* (WKSMP) is the result of long-term management strategies that 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 it 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 and 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 2 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 8 bays in the Northwest Kodiak District: 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 opened and closed based on Karluk Lake early-run sockeye salmon escapement. From June 1 through June 15, the ADF&G is directed to open 2 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 can 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.

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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 pink 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 ADF&G is directed to open 2 mandatory 33-hour fishing periods at the same time as those in the Central and North Cape sections. From June 16 through July 5, openings 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. Openings 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 openings are based on local pink, late-run chum, and coho salmon returning to each individual section. After September 5, openings are based only on coho salmon.

### **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 3 different areas: Inner and Outer Karluk sections in the north, Inner and Outer Ayakulik sections in the south, and the Halibut Bay and Sturgeon sections between the two. Management decisions within the Inner and Outer Karluk sections are primarily determined by 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 a mixture of Olga Bay, Ayakulik, Karluk, and local salmon stocks. Both the Karluk and Ayakulik systems have very defined even-year-dominant pink salmon runs (Donnelly 1983; Eggers et al. 1991). Differences in system dynamics between even and odd years in July has resulted in different management practices depending on the relative pink salmon run strength within a year.

### **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 prior to this determination led to continued overescapement of Karluk Lake sockeye salmon from 1999 to 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 was probably a contributing factor in the poor Karluk Lake sockeye salmon runs from 2008 to 2011.

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. Openings from August 25 through September 5 are based on late-run Karluk Lake sockeye salmon. After September 5, openings 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, commercial salmon fishing periods within the Inner and Outer Ayakulik sections are 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 run strength. In even years during this timeframe, Inner and Outer Ayakulik sections fishing periods are based on late-run sockeye salmon and pink salmon run strengths. 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 because of mixed Karluk, Ayakulik, and Olga Bay sockeye salmon stocks present at this time. From June 23 through July 15, openings are based on early-run sockeye salmon returning to Ayakulik and Karluk lakes. 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, fishing periods are determined based on Ayakulik or Karluk late-run sockeye salmon or pink salmon. After August 25, fishing periods are based on Karluk and Ayakulik late-run sockeye salmon run strength, as well as local coho salmon stocks.

#### **2014 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 (108,000 fish), Frazer Lake (92,000 fish), Ayakulik River (288,000 fish; Munro and Tide 2014), and early-run Upper Station (zero fish unless OEG in effect; 21,000 fish).

The Karluk early-run sockeye salmon BEG is 110,000 to 250,000 fish. The 2014 targeted sockeye salmon escapement for Karluk Lake early-run was 175,000 fish. The Ayakulik early-run sockeye salmon sustainable escapement goal (SEG) is 140,000 to 280,000 fish. The 2014 targeted sockeye salmon escapement for the Ayakulik early run was 210,000 fish.

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The Karluk late-run sockeye salmon BEG is 170,000 to 380,000 fish. The 2014 targeted sockeye salmon escapement of 270,000 fish for Karluk Lake late run was based on a maximum sustained yield calculation (Sagalkin et al. 2013). The Ayakulik late-run sockeye salmon SEG is 60,000 to 120,000 fish. The 2014 targeted sockeye salmon escapement of 90,000 fish for the Ayakulik late run was based on a maximum sustained yield calculation (Sagalkin et al. 2013).

### **Karluk Early Run**

The Karluk River weir was fish tight on May 24 (Fuerst 2015). Early sockeye salmon escapement was strong. Due to a moderate Karluk Lake early-run sockeye salmon forecast and a strong early escapement, the first commercial test fishing period in the Northwest Kodiak District began on June 5 for a total 57 hours. The resulting harvest and continued moderate to high escapement indicated a stronger run than expected run, and the Westside fishery was extended several times before a short closure was necessary beginning on June 18.

On June 21, 14,128 sockeye salmon passed the Karluk River weir, bringing the cumulative early-run total to 170,926 fish, which was within the escapement objectives for that date. A second fishing period for the Westside was announced for 57 hours beginning on June 21.

By June 25 the cumulative early-run Karluk River escapement remained well within the escapement objectives for that date with escapement at 190,473 fish. Due to adequate escapement, the Central and North Cape sections of the Northwest Kodiak District, the Southwest Afognak Section of the Afognak District, and the Outer Karluk Section of the Southwest Kodiak District were extended until further notice.

The 2014 Karluk Lake early-run sockeye salmon escapement of 236,144 fish (Fuerst 2015) was within the escapement goal range of 110,000 to 250,000 fish (Sagalkin et al. 2013). From June 1 through July 15, approximately 447,154 sockeye salmon were harvested in the Westside fishery (Table 9). Of this harvest, approximately 176,323 fish were estimated to be of Karluk Lake origin (Wattum 2015).

### **Pink Run**

On July 6, the Southwest Afognak Section of the Afognak District and the Central and North Cape sections and the majority of the inner bays of the Northwest Kodiak District opened to commercial salmon fishing for 105 hours based on the preseason wild stock pink salmon forecast of 12.0 million fish. The inner bay of the Kizhuyak Section was closed due to weak early-run chum salmon escapement. The pink salmon harvest for the first fishing period was below average.

On July 13, the Southwest Afognak Section of the Afognak District and the Central and North Cape sections and the inner bays of Northwest Kodiak District opened for 105 hours. The pink salmon harvest for the second fishing period was below average.

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On July 20, the Southwest Afognak Section of the Afognak District and the Central and North Cape sections and the majority of the inner bays of the Northwest Kodiak District opened for 105 hours. Salmon harvests for the third fishing period were well below average. Early aerial surveys indicated several systems had early pink and chum salmon escapements despite low harvest rates.

On July 27, the Southwest Afognak Section of the Afognak District and the Northwest Kodiak District opened for 105 hours. The pink salmon harvest for the fourth opening was well below average. On July 31, the Northwest Kodiak District and Southwest Afognak Section of the Afognak District closed as scheduled.

Aerial surveys in late July and early August indicated building pink salmon escapements but appeared to be relatively weak. On August 3, the Northwest Kodiak District, the Southwest Afognak Section of the Afognak District, and the Sturgeon and Outer Karluk sections of the Southwest Kodiak District were opened again to help further assess the strength of the pink and chum salmon runs. Pink salmon harvest remained below average during this fishing period.

Aerial surveys and harvest information continued to indicate that the pink salmon run was below forecast. On August 10, the Northwest Kodiak District and the Southwest Afognak Section were opened to commercial salmon to further access the pink and chum salmon runs. Pink salmon harvest rates remained below average, and the majority of these areas closed on August 13 for the remainder of month.

### **Karluk Late Run**

Beginning August 16, the Southwest Afognak Section of the Afognak District and the Central and North Cape sections of the Northwest Kodiak District are managed based on both pink salmon returning to the Northwest Kodiak District and late-run sockeye salmon returning to the Karluk system.

On August 15, the cumulative late-run sockeye salmon escapement through Karluk River weir was 66,025 fish, with a significant buildup in the lagoon. Despite the strong Karluk late run escapement, the majority of Northwest Kodiak District pink salmon escapement continued to be weak, and the fishery remained closed until August 25.

On August 21, the cumulative late-run sockeye salmon escapement through Karluk River weir was 90,214 fish. With a buildup in the lagoon, the department announced a 102-hour fishing period in the Outer Karluk and Sturgeon sections of the Southwest Kodiak District, the Central and North Cape sections of the Northwest Kodiak District, and the Southwest Afognak Section of the Afognak District beginning August 25.

On August 29, the cumulative late-run sockeye salmon escapement through Karluk River weir exceeded the lower bound of the escapement goal and the fishery was extended until further notice in the Sturgeon and Outer Karluk sections. After it became apparent that the upper bound of the Karluk late-run sockeye salmon escapement goal would be exceeded, the department opened the Inner Karluk Section (with reduced closed waters at the lagoon exit channel terminus) to commercial salmon fishing until further notice beginning on August 30.

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The Karluk late-run sockeye salmon escapement of 559,422 fish was well above the desired escapement goal range of 170,000 to 380,000 fish (Sagalkin et al. 2013), and the Westside post-July 15 harvest included 1,373,691 late-run Karluk sockeye salmon.

### **Ayakulik**

The 2014 Ayakulik sockeye salmon cumulative escapement was exceptionally strong early in the season with a daily escapement of 41,967 fish on June 2. The department initially announced a short 57-hour fishing period in the Inner and Outer Ayakulik sections on June 5 to harvest fish in excess of escapement needs. There were 3 subsequent emergency orders extending the commercial salmon fishery in the Inner and Outer Ayakulik sections until a closure was necessary on June 15 to increase escapement into the Ayakulik River. For the remainder of the Ayakulik early run, daily escapement was low to moderate with the Outer Ayakulik and Halibut Bay sections open for one 57-hour fishing period on June 23 and the Inner/Outer Ayakulik and Halibut Bay sections on July 13. Through July 15, the cumulative early-run Ayakulik sockeye salmon escapement of 210,040 fish (Fuerst 2015) was within the escapement goal range of 140,000 to 280,000 fish (Sagalkin et al. 2013).

Through July 18, the Ayakulik sockeye salmon late run escapement of 987 fish was well below the desired escapement; however, the pink salmon escapement count of 18,227 fish was well above the desired escapement for that date. Subsequently, the Outer Ayakulik and Halibut Bay sections opened for 105 hours to harvest pink salmon in excess of the desired escapement. Due to continued strong pink salmon escapement into the Ayakulik River, the Outer Ayakulik and Halibut Bay sections of the Southwest Kodiak District opened for 2 additional 105 hour fishing periods in July. On July 28, over 53,000 pink salmon passed above the Ayakulik River weir, resulting in the announcement of a 33-hour fishing period for the Inner Ayakulik on July 30.

Throughout most of August, the Inner and Outer Ayakulik sections remained closed to commercial salmon fishing to increase late-run Ayakulik sockeye salmon escapement. Sockeye and pink salmon escapements remained low to moderate through August 24 with a total of 72,703 late-run Ayakulik sockeye salmon and 522,154 pink salmon passed above the Ayakulik River weir, which was within the desired escapement ranges for that date.

After approximately August 24, the Inner and Outer Ayakulik sections of the Southwest Kodiak District are managed based on coho salmon returning to the Ayakulik system, and the Halibut Bay Section of the Southwest Kodiak District is managed based on late-run Karluk Lake sockeye salmon. With above-average Ayakulik coho salmon escapement and adequate late-run Karluk Lake sockeye salmon escapement, the Outer Ayakulik and Halibut Bay section opened for 102 hours. The Halibut Bay Section was later extended until further notice and after a short closure the Outer Ayakulik Section reopened on September 1 and was subsequently extended until further notice.

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The Ayakulik weir was operated through September 4. Despite almost continuous fishing allowed in the Outer Ayakulik, Sturgeon, and Halibut Bay sections after August 24, harvest effort was sporadic and most of the coho salmon run was not harvested. The weir estimated a strong cumulative coho salmon escapement of 24,127 fish. The total late-run sockeye salmon escapement was estimated to be 87,671 fish, within the desired escapement goal range of 60,000 to 120,000 salmon (Sagalkin et al. 2013).

The total sockeye salmon escapement through the Ayakulik weir (297,711 fish; Fuerst 2015) was within the combined early- and late-run escapement goals (200,000 to 400,000 fish; Sagalkin et al. 2013). The harvest of Ayakulik sockeye salmon (329,711 fish) was above the forecast of 288,000 fish (Munro and Tide 2014).

In 2014, there were a total of 5,701 landings made in Westside Kodiak management units (Southwest Afognak to Ayakulik<sup>1</sup>) consisting of a total commercial harvest of 5,301,040 salmon, including 4,940 Chinook, 2,348,820 sockeye, 182,890 coho, 2,603,984 pink, and 160,406 chum salmon (Appendix E3). There were 174 seine permit holders that made 2,482 landings for 3,927 Chinook, 1,709,729 sockeye, 142,767 coho, 2,221,481 pink, and 104,835 chum salmon (Appendix E4). There were 97 set gillnet permit holders that made 3,219 landings for 1,013 Chinook, 639,091 sockeye, 40,123 coho, 382,503 pink, and 55,571 chum salmon. Commercial salmon harvests, by gear type, for individual Westside management units can be found in Appendices E5 and E6.

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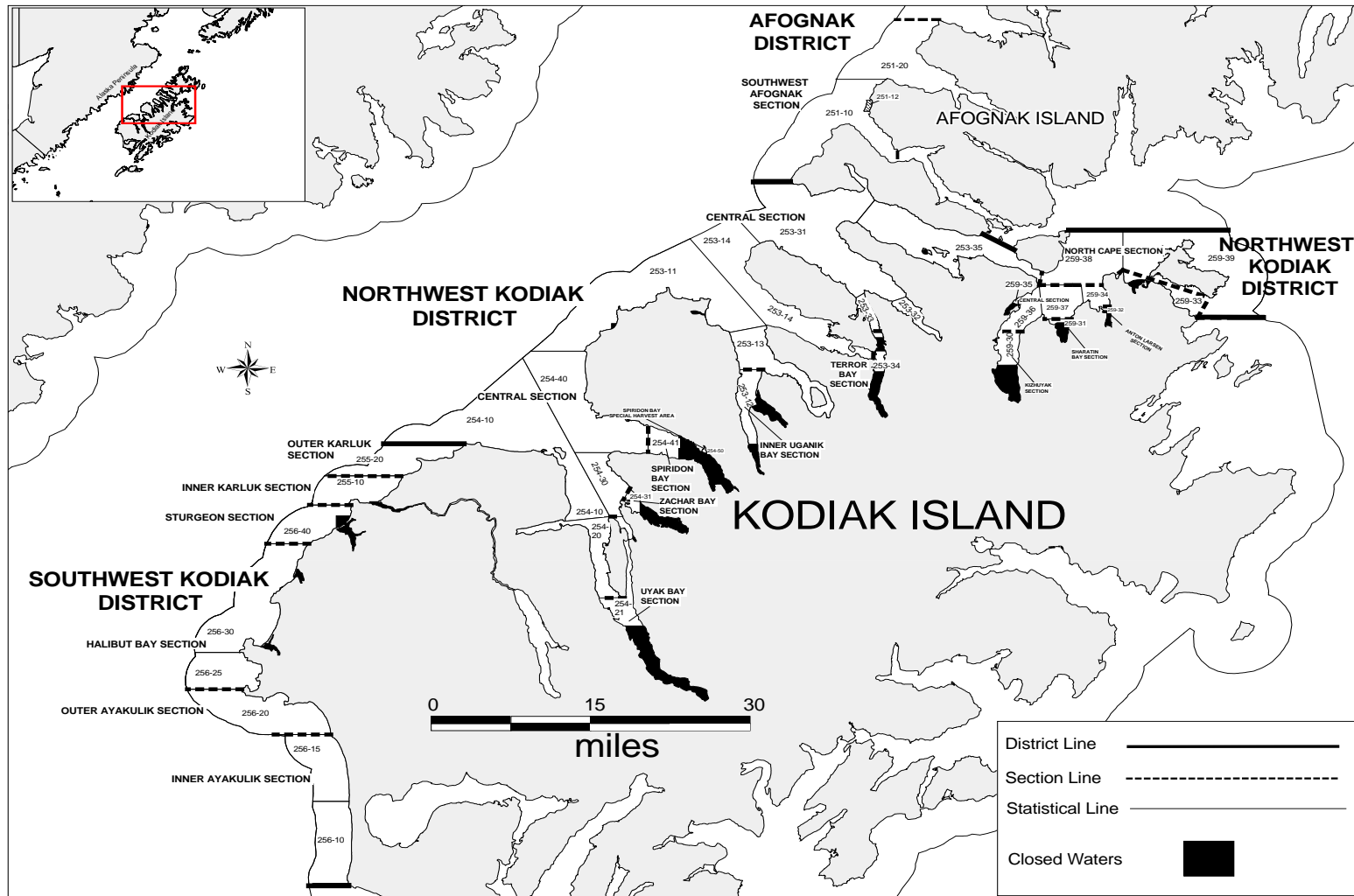
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<sup>1</sup> Westside Kodiak salmon harvest totals in Appendix E do not include salmon taken in the SBSHA. Sockeye salmon from an enhancement project return to this area. SBSHA is managed under a separate plan; see Appendix H for a description of the 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 E2.—Map of the west side of Kodiak Island, including Southwest and Northwest Kodiak districts and the Southwest Afognak Section of the Afognak District.



Appendix E3.—Commercial salmon harvest, by species, for Westside management units in the Kodiak Management Area, 1980–2014.

Year	Permits	Landings	Number of salmon					Total
			Chinook	Sockeye	Coho	Pink	Chum	
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	8,494	12,794	2,733,598	104,806	4,114,397	267,329	7,232,924
2000	306	7,554	9,382	1,600,248	111,908	5,343,028	379,439	7,444,005
2001	265	6,799	18,301	1,613,978	143,681	3,687,193	381,083	5,844,236
2002	228	5,365	14,911	1,178,677	166,321	9,442,576	250,137	11,052,622
2003	227	7,508	13,765	2,973,555	156,308	5,406,272	329,512	8,879,412
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	8,252	16,139	1,200,137	249,668	20,198,535	402,146	22,066,625
2007	219	6,865	13,373	1,511,395	167,153	8,718,322	219,554	10,629,797
2008	199	3,387	13,124	634,056	92,170	3,732,346	223,658	4,695,354
2009	197	3,505	1,621	577,893	57,363	4,936,956	353,915	5,927,748
2010	235	2,982	6,061	640,336	75,327	3,837,741	227,171	4,786,636
2011	222	2,438	4,676	507,603	58,970	955,492	134,701	1,661,442
2012	250	5,780	5,858	1,021,551	127,529	9,555,127	334,333	11,044,398
2013	241	5,080	12,702	1,483,699	106,994	5,103,909	241,555	6,948,859
2014	271	5,701	4,940	2,348,820	182,890	2,603,984	160,406	5,301,040
Average <sup>a</sup>								
2004–2013	220	5,388	10,833	1,144,752	137,783	7,797,424	298,461	9,389,254
1980–2013	317	7,604	10,186	1,477,822	123,829	6,830,801	321,915	8,764,553

*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, 2014.

Gear	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		Total	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Seine	174	2,482	3,927	26,019	1,709,729	8,676,388	142,767	1,125,793	2,221,481	7,523,700	104,835	818,601	4,182,739	18,170,501
Average weight				6.63		5.07		7.89		3.39		7.81		
Set gillnet	97	3,219	1,013	9,977	639,091	3,640,030	40,123	320,751	382,503	1,475,307	55,571	430,969	1,118,301	5,877,034
Average weight				9.85		5.70		7.99		3.86		7.76		
Grand total	271	5,701	4,940	35,996	2,348,820	12,316,418	182,890	1,446,544	2,603,984	8,999,007	160,406	1,249,570	5,301,040	24,047,535
Average weight				7.29		5.24		7.91		3.46		7.79		

*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, 2014.

Management unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Southwest	14-Jun	8	8	0	0	4,034	21,062	0	0	167	542	447	3,097
Afognak	15-Jun	3	3	0	0	613	3,115	0	0	19	58	55	402
Section	16-Jun	3	3	0	0	284	1,394	1	6	21	72	26	187
	17-Jun	3	3	0	0	2,110	9,608	0	0	142	418	771	2,757
	18-Jun	3	3	0	0	1,150	5,525	0	0	93	298	206	1,391
	21-Jun	7	7	3	19	1,035	4,656	0	0	112	355	276	1,873
	22-Jun	3	3	8	44	307	1,489	0	0	28	83	49	295
	23-Jun <sup>a</sup>												
	25-Jun	5	5	0	0	1,227	6,295	0	0	120	424	254	1,706
	26-Jun <sup>a</sup>												
	27-Jun	7	7	7	46	1,712	8,820	2	15	295	913	327	2,641
	28-Jun <sup>a</sup>												
	29-Jun	11	13	2	15	2,561	13,464	3	12	554	1,703	437	3,009
	30-Jun	7	7	0	0	726	3,831	5	28	165	539	142	986
	1-Jul	3	3	0	0	273	1,446			81	242	33	236
	2-Jul <sup>a</sup>												
	3-Jul <sup>a</sup>												
	4-Jul	3	3	0	0	3,307	16,518	35	178	1,180	4,018	225	2,026
	5-Jul <sup>a</sup>												
	6-Jul <sup>a</sup>												
	8-Jul <sup>a</sup>												
	9-Jul <sup>a</sup>												
	10-Jul	3	3	7	52	3,267	16,885	223	1,359	1,182	3,675	254	1,655
	13-Jul <sup>a</sup>												
	14-Jul	4	4	5	68	2,128	11,724	185	1,240	2,485	7,729	789	6,187
	15-Jul	14	14	4	40	5,313	29,931	509	3,287	4,726	16,269	713	5,632
	16-Jul	6	6	8	106	4,098	20,352	227	1,393	2,559	8,088	469	3,453
	17-Jul	17	17	4	28	8,789	45,137	623	3,741	9,683	33,561	1,312	8,622
	19-Jul <sup>a</sup>												
	20-Jul	8	8	14	211	5,910	28,222	379	2,983	13,211	42,159	1,356	11,537
	21-Jul	8	8	1	8	1,690	9,889	67	509	5,607	18,884	510	4,145

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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	22-Jul	10	10	7	102	4,460	21,823	498	3,782	12,339	42,143	1,191	8,254
Afognak	23-Jul	9	9	5	72	5,683	32,571	351	2,287	15,602	51,575	1,123	8,126
Section (cont.)	24-Jul	11	11	2	10	12,652	65,262	614	3,764	21,419	71,847	1,157	8,053
	27-Jul	10	10	4	60	3,328	15,974	1,207	9,968	60,455	188,607	531	4,231
	28-Jul	4	4	2	24	373	2,055	205	1,368	5,952	20,426	74	558
	29-Jul	6	6	6	55	987	5,442	512	3,822	14,128	48,054	543	4,141
	30-Jul <sup>a</sup>												
	31-Jul <sup>a</sup>												
	3-Aug	3	3	9	95	92	479	173	1,423	12,597	43,835	232	2,213
	4-Aug <sup>a</sup>												
	5-Aug	6	6	3	53	893	4,896	1,219	10,729	34,325	123,197	1,930	18,602
	6-Aug	5	5	3	52	307	1,848	562	4,300	13,159	48,000	722	6,423
	7-Aug <sup>a</sup>												
	10-Aug <sup>a</sup>												
	11-Aug <sup>a</sup>												
	13-Aug <sup>a</sup>												
	25-Aug	9	9	13	148	18,395	100,183	2,821	26,639	5,269	15,648	81	648
	26-Aug	3	3	0	0	10,140	51,258	1,167	9,131	1,456	4,992	17	132
	27-Aug	6	7	0	0	4,134	22,732	1,060	9,607	1,051	3,660	24	177
	28-Aug	4	4	0	0	3,076	15,651	528	5,450	1,104	3,255	9	70
	29-Aug	7	7	2	21	12,835	67,348	2,125	13,011	1,202	4,942	41	233
	30-Aug	3	3	0	0	5,561	24,506	1,076	8,793	592	2,042	5	34
	31-Aug	5	5	8	68	8,733	45,228	924	7,903	410	1,441	40	179
	2-Sep	7	7	1	11	8,317	41,861	1,006	8,909	265	931	13	84
	3-Sep	5	5	0	0	2,168	10,949	426	4,067	244	847	11	100
	4-Sep <sup>a</sup>												
	5-Sep <sup>a</sup>												
	8-Sep <sup>a</sup>												
	15-Sep <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
SW Afog. (cont.)	19-Sep <sup>a</sup>												
Total		70	276	172	1,911	172,195	886,229	22,017	174,424	295,456	992,505	18,899	145,612
Average weight					11.1		5.1		7.9		3.4		7.7
Nothwest Kodiak District <sup>b</sup>	5-Jun	6	6	3	17	1,617	7,177	0	0	0	0	186	1,412
	6-Jun	5	5	0	0	2,320	10,833	0	0	0	0	8	80
	7-Jun	9	10	6	62	2,695	13,579	0	0	2	7	266	1,576
	8-Jun	11	11	10	83	3,119	16,019	0	0	8	23	162	1,168
	9-Jun	19	19	5	25	5,568	29,815	0	0	42	132	335	2,413
	10-Jun	15	15	5	29	6,461	32,188	0	0	29	92	468	3,602
	11-Jun	20	20	10	60	9,835	47,185	1	8	52	147	518	3,884
	12-Jun	13	13	3	15	3,086	15,161	0	0	15	54	302	2,280
	13-Jun	20	20	55	445	4,869	21,758	0	0	72	234	331	2,353
	14-Jun	4	4	1	2	661	3,011	0	0	6	23	81	573
	15-Jun	21	21	9	47	6,518	32,818	0	0	110	303	613	4,877
	16-Jun	12	12	7	57	2,466	12,043	0	0	113	350	349	2,805
	17-Jun	4	4	0	0	682	3,062	0	0	21	59	105	736
	18-Jun	20	20	1	6	5,475	23,591	1	7	198	629	1,134	8,796
	21-Jun	18	18	51	253	5,003	24,003	6	44	132	366	840	5,830
	22-Jun	15	15	81	416	1,704	9,151	11	68	156	519	512	3,873
	23-Jun	9	9	19	106	1,054	5,018	14	95	107	343	863	8,648
	24-Jun	6	6	1	4	1,238	6,861	21	173	174	474	763	7,054
	25-Jun	11	11	10	70	1,217	8,358	6	52	202	995	1,392	11,433
	26-Jun	8	8	22	158	1,266	5,890	2	11	74	246	796	5,516
	27-Jun	15	15	43	215	2,035	11,113	35	235	316	1,010	1,393	12,433
	28-Jun	5	5	13	71	416	2,154	5	26	181	596	564	3,945
	29-Jun	17	17	10	86	2,246	10,203	13	67	814	2,246	1,520	12,568
	30-Jun	17	18	12	50	4,285	20,648	16	107	1,281	3,795	1,252	10,502
	1-Jul	18	18	14	52	1,711	7,803	204	1,175	1,141	3,416	1,902	16,653
	2-Jul	8	8	6	30	948	4,071	20	160	305	951	429	4,183
	3-Jul	13	13	6	33	3,238	14,890	110	635	2,214	6,478	752	5,605
	4-Jul	8	8	10	57	2,714	11,685	45	273	2,230	6,818	372	3,136

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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.)	5-Jul	3	3	7	44	705	4,029	83	442	1,175	3,784	311	2,090
	6-Jul	11	11	0	0	1,409	7,081	184	1,583	3,399	8,661	1,124	10,574
	7-Jul	20	20	12	105	3,321	17,209	325	1,189	2,750	7,861	827	5,653
	8-Jul	20	20	14	84	7,589	36,749	764	5,034	7,147	22,912	2,564	22,420
	9-Jul	23	24	50	287	11,562	65,696	667	4,537	10,908	38,014	3,325	26,683
	10-Jul	31	31	63	345	9,626	53,235	1,256	7,784	9,759	34,768	3,503	24,511
	13-Jul	18	18	3	53	5,669	32,824	364	2,443	8,654	28,252	3,892	33,453
	14-Jul	13	13	13	45	4,357	20,995	573	3,382	7,843	24,670	1,362	9,278
	15-Jul	18	18	27	186	5,468	29,263	689	4,180	17,029	53,390	2,603	17,408
	16-Jul	15	15	7	18	2,456	12,681	323	1,845	6,583	20,925	4,973	48,949
	17-Jul	24	27	8	60	6,322	35,854	606	3,992	13,719	44,206	2,044	16,522
	20-Jul	18	18	22	235	6,382	36,608	638	4,192	22,578	74,174	1,497	11,653
	21-Jul	18	19	4	46	7,620	38,214	222	1,743	17,076	56,652	1,327	9,473
	22-Jul	19	19	98	580	10,133	54,758	823	5,847	28,928	101,306	1,576	11,142
	23-Jul	10	11	0	0	2,948	13,728	0	0	3,773	12,913	490	3,452
	24-Jul	13	13	29	248	4,348	23,714	447	3,144	25,348	88,315	1,224	8,719
	27-Jul	19	19	12	202	12,243	64,052	957	8,400	69,829	254,553	1,016	8,309
	28-Jul	4	4	2	14	1,251	6,892	321	2,356	23,169	87,405	243	1,824
	29-Jul	7	7	6	104	1,539	8,225	598	4,718	32,432	127,939	679	5,230
	30-Jul	12	12	62	457	1,189	6,035	972	5,332	75,415	202,493	2,081	9,864
	31-Jul	24	25	80	627	10,638	55,268	1,557	11,011	45,828	163,178	1,383	9,618
	2-Aug <sup>a</sup>												
	3-Aug	14	14	2	35	1,437	7,055	1,333	9,038	74,871	263,621	2,160	16,057
	4-Aug	27	28	33	269	3,708	19,878	2,484	17,805	107,367	371,771	2,856	24,229
	5-Aug	26	30	20	193	4,898	23,360	2,105	11,709	162,205	575,235	1,833	12,721
	6-Aug	23	23	18	106	3,572	18,282	1,184	7,943	84,487	283,475	1,025	7,254
	7-Aug	16	16	16	123	1,090	5,931	686	5,089	27,918	106,897	479	3,958
	10-Aug	7	8	408	2,873	759	3,602	931	5,780	19,722	63,638	295	2,275
	11-Aug	3	3	0	0	76	424	236	1,888	5,337	20,591	342	2,483
	12-Aug	8	8	19	100	2,135	9,586	812	4,081	9,780	33,982	297	2,010
	13-Aug	25	25	30	211	3,080	15,024	1,945	11,064	34,745	130,755	675	4,323

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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	25-Aug	20	20	21	183	19,221	100,227	3,515	25,472	5,229	18,014	329	2,408
Kodiak	26-Aug	15	15	25	153	13,829	74,610	1,712	16,297	2,210	8,766	67	472
District <sup>b</sup> (cont.)	27-Aug	20	20	14	100	35,971	190,442	3,921	34,189	7,095	24,060	461	3,625
	28-Aug	11	12	3	26	10,495	52,553	1,478	12,717	612	2,133	22	171
	29-Aug	18	18	3	11	13,798	64,265	2,655	22,223	1,316	4,406	48	356
	30-Aug	8	8	0	0	6,104	32,261	2,121	18,242	1,316	5,378	127	930
	31-Aug	9	9	14	73	4,783	23,125	1,069	8,449	426	1,759	41	274
	1-Sep	14	14	10	34	9,205	46,257	1,270	11,428	154	555	31	188
	2-Sep	8	8	0	0	4,676	25,059	406	3,862	70	241	13	80
	3-Sep	12	13	2	8	9,790	54,613	976	9,171	51	185	11	68
	4-Sep	16	16	14	151	10,979	63,768	2,019	18,856	573	2,248	152	1,139
	5-Sep	3	3	0	0	1,279	6,737	123	1,355	4	14		
	6-Sep	8	8	3	26	11,312	56,563	1,331	11,518	102	366	18	109
	7-Sep	5	5	6	91	4,307	21,647	753	6,368	214	660	12	103
	8-Sep	9	9	4	32	5,398	29,560	559	5,463	40	123	11	74
	9-Sep	5	5	0	0	2,216	12,773	169	1,567	0	0	0	0
	10-Sep	5	5	0	0	6,503	33,692	611	5,538	5	12	7	40
	12-Sep <sup>a</sup>												
	14-Sep <sup>a</sup>												
	16-Sep	4	4	3	36	4,709	23,715	397	3,578	0	0	8	38
	18-Sep	3	3	2	28	3,145	15,848	223	1,995	0	0	2	13
	19-Sep <sup>a</sup>												
	20-Sep	4	4	0	0	3,921	20,315	228	1,796	0	0	0	0
	21-Sep <sup>a</sup>												
	23-Sep <sup>a</sup>												
	25-Sep <sup>a</sup>												
Total		157	1,060	1,602	11,051	413,928	2,135,963	50,869	387,502	989,207	3,405,654	67,588	530,230
Average weight					6.9		5.2		7.6		3.4		7.8

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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 Karluk Section	5-Jun <sup>a</sup>												
	6-Jun <sup>a</sup>												
	7-Jun	7	7	5	65	3,913	16,829	0	0	9	26	111	868
	8-Jun	3	3	1	3	1,263	6,259	0	0	5	12	63	364
	9-Jun	5	5	0	0	4,810	27,908	0	0	10	34	194	1,505
	10-Jun <sup>a</sup>												
	11-Jun	10	10	1	22	5,779	28,230	0	0	26	85	384	2,861
	12-Jun	6	6	0	0	2,584	12,284	0	0	5	14	259	1,658
	13-Jun	5	5	0	0	2,368	12,428	0	0	11	37	235	1,855
	14-Jun	3	3	0	0	989	5,043	0	0	14	26	64	388
	15-Jun	11	11	3	12	2,778	14,982	1	5	36	83	199	1,448
	16-Jun <sup>a</sup>												
	17-Jun <sup>a</sup>												
	18-Jun	5	5	8	32	2,863	12,649	0	0	145	435	235	1,494
	21-Jun	11	11	27	176	5,243	26,545	1	5	37	149	207	1,607
	22-Jun	8	8	9	43	2,188	10,380	0	0	18	48	58	375
	23-Jun	13	13	6	39	3,807	19,376	1	8	58	204	209	1,695
	25-Jun	7	7	72	459	3,214	14,240	1	7	53	162	182	1,388
	26-Jun	8	9	59	330	2,330	10,487	2	7	29	81	205	1,660
	27-Jun	9	9	32	149	2,336	10,416	0	0	255	788	301	2,194
	29-Jun	8	8	12	65	4,240	21,019	1	7	689	2,075	264	2,006
	30-Jun <sup>a</sup>												
	1-Jul	6	6	32	205	4,163	18,545	12	95	820	2,468	285	2,057
	2-Jul	3	3	0	0	1,223	5,331	1	7	196	619	65	470
	3-Jul	8	8	4	13	6,095	31,912	33	199	2,717	8,369	139	1,036
	4-Jul	4	4	0	0	1,359	6,120	26	144	992	2,747	192	1,266
	5-Jul	8	8	9	50	2,105	10,242	46	363	1,448	5,212	335	2,841
	6-Jul	5	5	61	288	3,049	13,419	59	298	2,428	7,609	322	2,696
	7-Jul <sup>a</sup>												
	8-Jul <sup>a</sup>												
	9-Jul	8	9	49	361	16,801	85,415	15	135	3,049	9,736	332	2,411

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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 Karluk Section (cont.)	10-Jul	4	4	94	508	7,548	39,151	37	248	901	3,284	147	1,166
	13-Jul <sup>a</sup>												
	14-Jul <sup>a</sup>												
	15-Jul	5	5	8	46	1,194	6,581	21	124	3,270	10,447	133	774
	16-Jul												
	17-Jul	3	3	1	5	1,214	5,939	29	193	4,446	13,700	28	172
	20-Jul <sup>a</sup>												
	21-Jul	3	3	11	141	1,871	10,917	168	1,504	5,140	20,109	173	1,732
	22-Jul	3	3	5	31	2,920	13,149	81	582	7,289	22,951	262	2,113
	23-Jul	3	3	6	36	967	4,336	63	313	1,910	6,696	9	75
	24-Jul	9	9	16	78	4,404	22,915	382	3,299	15,500	59,121	111	937
	27-Jul <sup>a</sup>												
	28-Jul	4	4	17	150	2,306	11,336	597	5,015	9,702	29,322	15	105
	29-Jul	5	5	16	151	3,660	18,095	857	5,395	7,908	24,979	202	1,823
	30-Jul	4	4	61	318	903	4,977	576	3,121	2,305	7,461	56	521
	31-Jul <sup>a</sup>												
	3-Aug	4	5	79	323	3,196	15,990	1,105	8,686	13,759	48,161	556	4,970
	4-Aug	9	9	205	1,331	6,132	30,249	2,968	18,164	38,223	123,445	1,389	11,730
	5-Aug	12	12	30	281	6,974	35,311	1,071	8,534	63,349	209,599	741	6,373
	6-Aug	8	8	0	0	3,698	19,301	1,263	8,763	42,384	146,625	510	4,517
	7-Aug	16	17	199	1,029	9,794	48,024	5,609	30,485	75,904	246,756	784	6,220
	10-Aug	7	7	37	272	7,103	38,641	916	5,939	7,564	25,213	262	1,941
	11-Aug	5	5	173	1,077	3,119	17,222	400	3,199	4,436	18,895	93	911
	12-Aug	7	7	12	67	10,069	44,257	476	3,774	6,731	21,372	133	1,204
	13-Aug	7	7	66	525	5,831	25,431	302	2,671	2,427	9,554	34	284
	25-Aug	10	10	0	0	11,189	58,293	1,773	16,422	432	1,515	81	634
	26-Aug	10	11	0	0	14,357	73,148	1,977	17,104	522	1,991	31	289
	27-Aug	10	10	7	24	12,121	51,876	2,121	15,617	662	2,209	44	326
	28-Aug	8	8	42	113	6,572	34,729	1,156	10,638	336	1,239	26	189
	29-Aug	8	8	5	46	9,225	39,050	1,023	8,025	280	919	64	471
	30-Aug	24	24	11	51	18,715	97,564	2,133	20,049	644	2,214	37	297

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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	31-Aug	17	17	2	16	25,497	131,135	1,960	17,149	522	1,840	8	71
Karluk Section	1-Sep	8	8	8	23	10,336	57,982	812	8,068	63	211	6	31
(cont.)	2-Sep	18	19	1	11	42,325	206,419	3,863	31,243	878	2,721	46	334
	3-Sep	14	14	33	120	22,734	120,434	2,018	18,739	323	1,076	12	99
	4-Sep	13	13	0	0	16,552	86,296	2,047	20,236	423	1,411	23	192
	5-Sep	24	24	0	0	21,353	114,566	1,761	17,712	181	698	17	137
	6-Sep	24	24	0	0	37,124	200,271	2,547	23,514	107	415	35	253
	7-Sep	12	12	0	0	9,352	50,361	543	5,317	21	77	17	136
	8-Sep	24	24	0	0	34,719	177,337	2,246	20,149	95	329	27	210
	9-Sep	23	23	3	36	26,613	142,024	1,518	14,468	25	97	13	83
	10-Sep	18	20	0	0	18,833	101,626	1,518	13,187	8	34	35	234
	11-Sep	8	8	0	0	9,422	51,277	502	5,048	4	8	6	52
	12-Sep	13	13	0	0	17,635	92,375	830	8,179	0	0	21	160
	13-Sep	7	7	0	0	8,726	45,326	817	6,478	0	0	20	144
	14-Sep	13	13	1	7	24,244	129,042	1,319	10,689	3	11	12	86
	15-Sep	4	4	0	0	7,587	36,555	593	5,328	0	0	4	24
	16-Sep	10	10	0	0	23,303	116,541	983	8,260	1	4	21	135
	17-Sep	3	3	0	0	9,056	45,980	505	3,724	2	6	50	320
	18-Sep	5	5	0	0	8,501	42,516	439	3,966	0	0	35	243
	20-Sep	4	4	0	0	9,216	46,811	232	2,116	0	0	16	109
	21-Sep <sup>a</sup>												
	22-Sep	4	4	0	0	13,813	73,088	249	2,084	1	4	17	111
	24-Sep	4	4	0	0	23,817	120,702	202	1,858	0	0	4	30
	25-Sep <sup>a</sup>												
	26-Sep <sup>a</sup>												
	27-Sep <sup>a</sup>												
	2-Oct <sup>a</sup>												
Total		92	656	1,622	9,644	705,092	3,586,270	55,768	453,624	342,314	1,143,381	11,895	93,463
Average weight					5.9		5.1		8.1		3.3		7.9

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Appendix E5.—Page 9 of 10.

Management unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Remainder of Southwest Kodiak District	5-Jun	34	34	4	48	25,078	130,732	0	0	2	6	18	115
	6-Jun	6	6	0	0	4,763	22,911	0	0	0	0	0	0
	7-Jun	27	27	4	24	24,387	117,850	0	0	15	49	119	919
	8-Jun	15	15	0	0	7,796	37,084	0	0	11	28	36	291
	9-Jun	25	25	2	24	23,826	109,351	0	0	106	342	245	1,810
	10-Jun	5	5	7	64	3,574	16,670	0	0	19	65	47	422
	11-Jun	21	21	0	0	12,496	57,889	0	0	67	205	179	1,383
	12-Jun	9	9	0	0	3,535	17,604	252	1,259	2	6	45	396
	13-Jun	6	6	0	0	7,585	37,807	0	0	0	0	1	8
	14-Jun	3	3	0	0	3,872	21,057	0	0	1	2	18	123
	15-Jun	15	15	4	41	10,597	57,571	2	15	340	756	264	1,894
	22-Jun <sup>a</sup>												
	23-Jun	46	46	31	194	20,601	98,776	16	103	552	1,780	687	5,279
	24-Jun	12	12	17	70	5,302	22,385	6	31	76	301	80	754
	25-Jun	33	33	21	90	9,024	42,359	11	65	151	450	186	1,424
	13-Jul	27	27	41	149	47,716	237,745	280	1,523	20,191	61,066	295	2,104
	14-Jul	25	27	12	67	30,502	164,943	429	3,091	20,887	63,864	481	3,613
	15-Jul	17	17	42	224	16,853	83,333	821	4,702	17,512	57,875	186	1,505
	16-Jul	8	8	0	0	7,553	32,365	56	398	7,936	29,275	32	260
	17-Jul	31	31	11	59	14,624	76,184	425	2,669	19,182	62,796	322	2,469
	20-Jul	12	12	8	70	8,956	41,331	477	3,172	48,513	147,594	376	2,668
	21-Jul	7	7	38	285	6,761	27,524	466	3,142	33,254	112,110	278	1,636
	22-Jul	18	20	3	31	21,091	105,360	858	5,916	100,943	336,171	622	4,863
	23-Jul	11	11	35	212	14,000	69,312	555	4,017	52,249	163,146	330	2,862
	24-Jul	16	16	36	245	7,149	34,529	391	2,827	33,820	111,498	186	1,488
	27-Jul	10	10	6	66	4,708	24,286	176	1,244	42,560	146,455	138	1,012
	28-Jul	11	11	62	458	5,230	25,734	715	5,233	40,797	134,578	217	1,794
	29-Jul	6	6	10	30	2,223	11,222	201	1,296	21,806	75,587	159	923
	30-Jul	11	11	17	132	8,215	41,196	303	2,341	42,592	149,029	110	1,000
	31-Jul	13	13	28	204	3,514	17,289	334	2,405	41,219	145,741	147	1,297
	5-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 Kodiak Southwest District (cont.)	6-Aug <sup>a</sup>												
	7-Aug <sup>a</sup>												
	10-Aug	3	3	0	0	2,747	12,501	220	1,643	4,342	13,813	63	435
	11-Aug	3	3	13	92	3,232	16,166	217	1,744	6,393	19,182	8	80
	12-Aug <sup>a</sup>												
	13-Aug	3	3	3	30	4,727	26,738	156	1,309	4,050	19,552	14	142
	25-Aug	13	13	2	26	10,896	48,604	2,469	21,375	1,656	5,409	191	1,224
	26-Aug	6	6	0	0	4,681	23,689	1,222	11,138	1,444	4,484	28	253
	27-Aug	4	4	0	0	2,004	8,343	525	4,584	275	857	18	143
	28-Aug <sup>a</sup>												
	1-Sep <sup>a</sup>												
	3-Sep <sup>a</sup>												
	7-Sep <sup>a</sup>												
Total		95	532	531	3,413	418,514	2,067,926	14,113	110,243	594,504	1,982,160	6,453	49,296
Average weight					6.4		4.9		7.8		3.3		7.6
Grand total		175	2,524	3,927	26,019	1,709,729	8,676,388	142,767	1,125,793	2,221,481	7,523,700	104,835	818,601

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

<sup>a</sup> Confidential.

<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, 2014.

Management				Chinook		Sockeye		Coho		Pink		Chum	
Unit	Date	Permits	Landings	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Northwest	5-Jun	29	29	17	161	6,049	36,146	0	0	1	3	171	1,292
Kodiak District <sup>b</sup>	6-Jun	37	37	19	262	7,274	42,413	0	0	3	10	259	1,961
	7-Jun	31	32	21	210	5,491	28,937	0	0	2	8	130	951
	8-Jun	47	50	23	246	7,102	39,409	0	0	15	60	209	1,536
	9-Jun	34	36	42	404	8,484	45,510	0	0	12	45	359	2,344
	10-Jun	50	51	26	300	12,564	68,694	1	6	32	122	597	4,104
	11-Jun	36	37	30	250	6,402	34,262	1	6	11	44	312	2,067
	12-Jun	48	49	19	192	8,474	45,569	1	5	34	134	475	3,488
	13-Jun	32	32	12	83	6,701	35,355	1	6	18	67	456	3,051
	14-Jun	43	50	18	147	12,025	63,929	1	6	68	261	788	5,455
	15-Jun	33	34	11	97	7,570	40,332	0	0	49	189	551	3,834
	16-Jun	42	43	24	209	5,488	29,633	0	0	51	199	391	2,852
	17-Jun	20	20	12	71	1,728	9,455	0	0	16	66	157	1,134
	18-Jun	39	42	12	130	5,947	32,979	1	6	88	337	779	5,336
	21-Jun	31	32	8	107	2,452	13,128	2	13	75	351	225	1,564
	22-Jun	50	52	17	160	3,285	18,817	2	12	66	273	529	3,647
	23-Jun	48	50	9	82	4,629	27,415	4	23	166	649	437	3,263
	24-Jun	31	32	28	282	2,806	15,829	8	48	77	280	535	4,004
	25-Jun	46	48	26	252	5,614	32,437	21	134	189	725	705	5,379
	26-Jun	26	28	37	297	3,243	18,583	8	51	113	424	541	3,975
	27-Jun	48	54	50	453	5,214	29,920	9	53	217	858	802	5,941
	28-Jun	37	38	20	166	4,352	24,579	9	57	196	762	572	4,109
	29-Jun	48	51	25	215	9,244	52,086	51	306	539	2,044	1,059	7,877
	30-Jun	30	32	33	303	6,614	36,068	39	233	391	1,464	856	7,163
	1-Jul	46	46	15	144	6,818	37,873	63	436	712	2,736	1,398	11,079
	2-Jul	33	34	15	150	4,052	22,911	97	731	457	1,785	607	4,811
	3-Jul	45	45	15	127	9,270	53,036	254	1,878	1,461	5,893	905	7,192
	4-Jul	34	35	6	67	6,011	33,616	133	938	937	3,667	558	4,440
	5-Jul	43	52	31	333	10,137	57,537	193	1,357	2,868	10,626	1,068	8,430
	6-Jul	44	47	22	173	5,021	28,982	209	1,430	1,388	5,534	723	5,579
	7-Jul	35	36	8	90	3,684	21,805	171	1,217	1,163	4,512	476	3,791

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Management				Chinook		Sockeye		Coho		Pink		Chum	
Unit	Date	Permits	Landings	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Northwest	8-Jul	41	42	7	55	5,023	29,402	254	1,682	1,544	6,156	666	5,155
Kodiak District <sup>b</sup>	9-Jul	42	45	17	173	7,073	41,687	237	1,694	1,810	7,366	496	3,975
(cont.)	10-Jul	23	23	1	21	4,615	26,145	100	738	1,212	4,838	717	5,727
	13-Jul	38	38	10	95	5,335	30,172	289	1,857	2,907	11,039	1,020	8,022
	14-Jul	50	51	30	271	9,967	56,566	402	2,763	5,018	19,373	1,338	10,397
	15-Jul	49	50	12	151	8,942	50,127	433	3,092	6,104	23,017	1,332	10,380
	16-Jul	47	49	13	165	10,972	62,887	532	3,796	8,858	33,454	1,276	10,088
	17-Jul	43	49	7	84	10,118	56,766	458	3,385	7,504	28,480	1,174	9,097
	20-Jul	44	49	3	41	10,944	61,815	305	2,250	12,668	49,210	1,351	10,597
	21-Jul	54	60	10	89	9,826	54,818	605	4,218	13,563	51,471	2,161	16,725
	22-Jul	53	58	9	130	7,184	43,462	630	4,865	11,426	44,583	2,050	16,206
	23-Jul	52	57	9	109	10,495	63,330	681	5,165	16,316	63,295	2,262	18,220
	24-Jul	50	61	3	27	8,751	51,654	779	6,076	16,461	64,447	2,081	16,396
	27-Jul	38	47	6	82	4,541	26,884	385	2,787	15,078	60,423	731	5,878
	28-Jul	55	58	6	82	6,672	39,634	635	4,741	20,174	80,352	1,506	11,909
	29-Jul	52	58	4	55	7,968	48,056	826	6,161	23,436	93,641	2,341	17,719
	30-Jul	51	59	9	93	5,872	35,301	1,142	8,500	25,632	103,725	1,650	12,863
	31-Jul	40	49	7	60	6,707	40,061	1,156	8,947	23,702	94,064	1,827	14,400
	3-Aug	42	48	12	109	5,521	32,953	1,051	8,213	21,316	79,459	1,532	12,624
	4-Aug	51	53	27	241	6,951	40,841	1,745	12,126	28,032	103,539	2,111	17,252
	5-Aug	39	49	20	194	5,797	35,402	1,358	10,292	27,085	108,794	1,559	12,547
	6-Aug	49	56	9	140	4,232	25,071	873	6,657	13,580	52,768	1,401	11,165
	7-Aug	30	33	2	29	2,673	16,519	342	2,709	6,791	27,039	595	4,831
	10-Aug	42	47	12	150	6,438	37,140	662	5,204	17,614	60,867	667	5,422
	11-Aug	46	47	30	267	6,538	39,942	800	6,336	13,985	49,763	861	7,099
	12-Aug	45	46	24	246	4,733	24,044	1,015	8,145	11,010	39,144	848	6,919
	13-Aug	30	35	3	31	5,034	30,721	682	5,584	4,310	15,859	534	4,307
	25-Aug	39	43	6	55	21,759	126,545	1,483	11,529	3,577	14,000	321	2,289
	26-Aug	44	49	3	39	31,594	182,379	2,032	16,878	3,177	12,410	323	2,436
	27-Aug	43	55	3	45	23,995	135,590	1,655	13,379	2,333	9,285	256	1,898
	28-Aug	32	35	3	32	12,052	68,574	1,273	10,301	1,101	4,362	139	968

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Management				Chinook		Sockeye		Coho		Pink		Chum	
Unit	Date	Permits	Landings	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Northwest	29-Aug	35	38	5	57	14,056	81,201	1,604	13,559	883	3,473	153	1,088
Kodiak District <sup>b</sup>	30-Aug	35	37	3	32	13,278	75,601	1,312	11,586	1,137	4,599	119	843
(cont.)	31-Aug	35	36	3	25	9,877	56,109	1,296	11,152	476	1,886	95	681
	1-Sep	31	31	4	36	8,224	46,564	1,286	11,075	439	1,728	73	541
	2-Sep	29	30	4	41	10,846	62,885	1,151	10,468	139	543	93	766
	3-Sep	31	32	7	65	8,856	49,991	1,049	9,256	228	901	72	505
	4-Sep	28	28	1	16	8,096	46,549	887	7,574	157	624	31	210
	5-Sep	28	28	10	100	4,113	23,950	526	4,689	62	251	23	158
	6-Sep	26	27	0	0	11,341	65,634	740	6,638	93	361	19	137
	7-Sep	30	31	1	10	12,021	68,643	853	7,257	70	284	30	174
	8-Sep	21	21	1	9	7,860	44,571	449	4,007	36	135	17	112
	9-Sep	26	29	3	39	8,246	47,057	671	5,824	28	110	27	179
	10-Sep	17	18	2	15	3,939	22,348	295	2,615	9	33	7	41
	11-Sep	12	13	0	0	6,639	36,213	411	3,425	6	24	10	66
	12-Sep	13	13	1	8	2,693	15,565	249	2,198	0	0	10	67
	13-Sep	10	13	0	0	3,951	22,044	222	2,058	0	0	5	30
	14-Sep	9	11	0	0	6,861	39,173	227	1,951	0	0	9	63
	15-Sep	7	8	0	0	4,755	27,155	62	508	1	4	3	19
	16-Sep	8	9	0	0	9,600	52,301	277	2,340	0	0	4	24
	17-Sep	9	10	0	0	5,916	32,975	219	1,867	0	0	9	63
	19-Sep <sup>a</sup>												
	20-Sep <sup>a</sup>												
Total		97	3,219	1,013	9,977	639,091	3,640,030	40,123	320,751	382,503	1,475,307	55,571	430,969
Average weight					9.85		5.70		7.99		3.86		7.76

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

<sup>a</sup> Confidential.

<sup>b</sup> 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 lb) 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). Although 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 KMA 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 2 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 (composed of the Southwest Afognak Section) and the North Shelikof management unit (made up 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) have 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 made up of all waters seaward of a line that 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 2014).

In the nineteen 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 3 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 ½ 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 ½ mile offshore of the line running cape to cape in order to allow for traditional harvest opportunities for pink salmon.



## **2014 Summary**

With the expectation of an average pink salmon run in 2014 (Munro and Tide 2014), three 105-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 2014). The NSSSSMP prescribes 57-hour fishing periods in that portion of the North Shelikof management unit in the Mainland District, and 3 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 to 8)**

The first fishing period was characterized by above average fishing effort and a moderate harvest rates. Effort and harvest rates increased on July 8, and it became apparent that the harvest threshold would be reached; therefore a seaward zone closure was announced for 5:00 PM July 8. A total of 26 permit holders harvested 76 Chinook, 23,694 sockeye, 308 coho, 9,272 pink, and 1,771 chum salmon during the first fishing period (Appendix F5). Fishing effort was light in the Southwest Afognak management unit with 6 permit holders harvesting 7 Chinook, 4,360 sockeye, 268 coho, 2,225 pink, and 381 chum (Appendix F6).

### **Second Fishing Period (July 13 to 15)**

During the second fishing period, the number of the vessels fishing in the North Shelikof management unit increased to 28 permit holders, with an inshore area harvest of 43 Chinook, 43,160 sockeye, 1,672 coho, 26,712 pink, 4,974 chum salmon (Appendix F5).

Fishing effort increased in the Southwest Afognak management unit during the second fishing period with 24 permit holders harvesting 22 Chinook, 21,517 sockeye, 1,579 coho, 19,804 pink, and 3,341 chum (Appendix F6).

### **Third Fishing Period (July 20 to 22)**

Effort decreased slightly during the third period within the North Shelikof management unit. During the third period 19 permit holders harvested 45 Chinook, 77,055 sockeye, 2,828 coho, 97,596 pink, and 5,340 chum salmon (Appendix F5).

Effort increased slightly during this period in the Southwest Afognak Section. Harvest rates through July 23 indicated that the 50,000 sockeye salmon threshold would not be reached during the allocation period. However, harvest rates for the final day (July 24) increased substantially and the threshold was exceeded without an announced seaward zone closure for the first time since the NSSSSMP was enacted in 1991. From July 19 through July 24, 28 permit holders harvested 29 Chinook, 30,811 sockeye, 1,909 coho, 69,868 pink, and 5,453 chum salmon in the Southwest Afognak unit (Appendix F6).

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### **Season Totals**

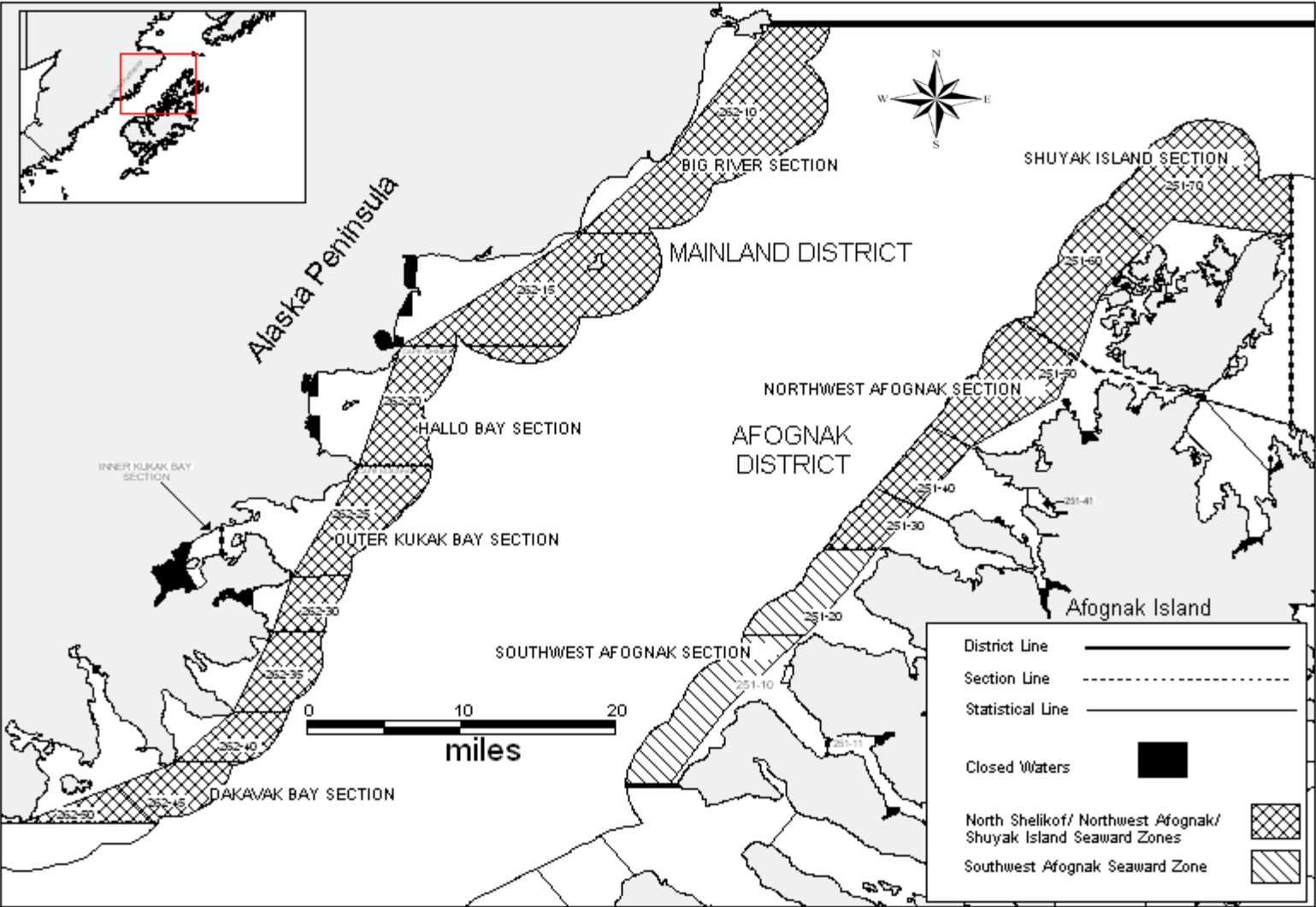
The 2014 North Shelikof management unit harvest for the time period of July 6 through July 25 totaled 164 Chinook, 143,909 sockeye, 4,808 coho, 133,580 pink, and 12,085 chum salmon, taken by 50 permit holders (Appendix F3 and F5). The average weight of the sockeye salmon harvested in the North Shelikof Unit was 5.3 pounds.

The 2014 Southwest Afognak Unit harvest for the time period of July 6 through July 25 totaled 58 Chinook, 56,688 sockeye, 3,756 coho, 91,897 pink, and 9,175 chum salmon, taken by 41 permit holders (Appendices F4 and F6). The average weight of the sockeye salmon harvested in the Southwest Afognak management unit was 5.2 pounds (Appendix F6).

### **REFERENCES CITED**

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- Keyse, M. 2014. Kodiak management area harvest strategy for the 2014 commercial salmon fishery. Alaska Department of Fish and Game, Fishery Management Report No. 14-13, Anchorage.
- Munro, A. R., and C. Tide, editors. 2014. Run forecasts and harvest projections for 2014 Alaska salmon fisheries and review of the 2013 season. Alaska Department of Fish and Game, Special Publication No. 14-10, Anchorage.

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, 1991–2014.

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					Chinook	Sockeye	Coho	Pink	Chum	
					Date	Time								
1991	7.1	0.0	13.1	0.0	none	none	no closure	42	2,500	18,800	2,700	44,800	3,800	2.2
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	387	14,146	6,258	2.6
2014	7.1	2.4	13.1	10.8	8-Jul	5:00 PM	21,099	50	164	143,909	4,808	133,580	12,085	2.3

*Note:* In 1988, the Upper Cook Inlet sockeye salmon run was strong, with a commercial harvest of 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, 1991–2014.

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	353	17,578	708	95,814	6,708	2.6
2014	13.6	0.0	none	none	no closure	41	58	56,688	3,756	91,897	9,175	2.3

*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, 2014.

Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
First period (July 6–July 10)												
6-Jul	14	14	40	279	8,560	45,470	112	734	3,142	10,607	833	6,279
7-Jul	9	9	14	68	3,458	19,395	38	285	1,805	6,176	306	2,808
8-Jul	17	18	22	163	11,676	67,088	158	1,004	4,325	14,508	632	5,299
Total	26	41	76	510	23,694	131,953	308	2,023	9,272	31,291	1,771	14,386
Average weight				6.71		5.57		6.57		3.37		8.12
Second period (July 13–July 17)												
13-Jul	18	18	30	276	23,972	117,013	791	4,776	11,718	37,777	2,470	17,476
14-Jul	9	10	10	78	11,515	63,862	478	2,909	7,058	23,851	1,785	12,549
15-Jul	7	7	3	40	6,455	37,636	316	2,060	3,906	12,840	475	3,961
17-Jul <sup>a</sup>												
Total	28	37	43	394	43,160	224,118	1,672	10,293	26,712	86,564	4,974	35,768
Average weight				9.16		5.19		6.16		3.24		7.19
Third period (July 20–July 24)												
20-Jul	8	9	4	58	16,687	83,688	470	2,931	24,764	88,932	1,741	12,052
21-Jul	4	4	21	182	8,664	50,178	373	2,586	6,411	20,454	487	4,008
22-Jul	11	11	1	16	29,904	159,042	1,072	8,107	35,267	109,525	1,512	12,044
23-Jul	5	5	16	122	4,207	23,752	454	3,591	13,969	47,914	600	4,409
24-Jul	8	8	3	31	17,593	93,517	459	2,921	17,185	59,129	1,000	6,480
Total	19	37	45	409	77,055	410,177	2,828	20,136	97,596	325,954	5,340	38,993
Average weight				9.09		5.32		7.12		3.34		7.30
<u>North Shelikof management harvest July 6–July 25</u>												
Total	50	115	164	1,313	143,909	766,248	4,808	32,452	133,580	443,809	12,085	89,147
Average weight				8.01		5.32		6.75		3.32		7.38

<sup>a</sup> Confidential.

Appendix F6.—Daily salmon harvest by species in the Southwest Afognak management units of the North Shelikof Strait  
Sockeye Salmon Management Plan, 2014.

Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
First period (July 6–July 10)												
6-Jul <sup>a</sup>												
8-Jul <sup>a</sup>												
9-Jul <sup>a</sup>												
10-Jul	3	3	7	52	3,267	16,885	223	1,359	1,182	3,675	254	1,655
Total	6	6	7	52	4,360	22,860	268	1,687	2,225	6,356	381	2,801
Avg. wt.				7.43		5.24		6.29		2.86		7.35
Second period (July 13–July 17)												
13-Jul <sup>a</sup>												
14-Jul	4	4	5	68	2,128	11,724	185	1,240	2,485	7,729	789	6,187
15-Jul	14	14	4	40	5,313	29,931	509	3,287	4,726	16,269	713	5,632
16-Jul	6	6	8	106	4,098	20,352	227	1,393	2,559	8,088	469	3,453
17-Jul	17	17	4	28	8,789	45,137	623	3,741	9,683	33,561	1,312	8,622
Total	24	43	22	250	21,517	113,655	1,579	9,911	19,804	66,923	3,341	24,413
Avg. wt.				11.36		5.28		6.28		3.38		7.31
Third period (July 19–July 24)												
19-Jul <sup>a</sup>												
20-Jul	8	8	14	211	5,910	28,222	379	2,983	13,211	42,159	1,356	11,537
21-Jul	8	8	1	8	1,690	9,889	67	509	5,607	18,884	510	4,145
22-Jul	10	10	7	102	4,460	21,823	498	3,782	12,339	42,143	1,191	8,254
23-Jul	9	9	5	72	5,683	32,571	351	2,287	15,602	51,575	1,123	8,126
24-Jul	11	11	2	10	12,652	65,262	614	3,764	21,419	71,847	1,157	8,053
Total	28	47	29	403	30,811	160,265	1,909	13,325	69,868	232,524	5,453	41,323
Avg. wt.				13.90		5.20		6.98		3.33		7.58
Season												
total	41	96	58	705	56,688	296,780	3,756	24,923	91,897	305,803	9,175	68,537
Avg. wt.				12.16		5.24		6.64		3.33		7.47

<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 east side 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 that are managed in each of these sections throughout the fishing season.

### 2014 Eastside Afognak Fishery

Management of the Southeast Afognak Section is based on local salmon runs. Fisheries can be allowed from June 1 to 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. 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 5. Closed waters for the subsistence fishery were reduced to the old bridge near the stream terminus of Afognak River while closed waters for the commercial fishery were reduced to markers located at the lagoon outlet. The run continued to be strong and, with the exception of a short closure in mid-June, the Southeast Afognak Section stayed open to continuous fishing until July 10. 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 60 permit holders harvested 6 Chinook, 14,425 sockeye, 1,733 coho, 413,946 pink, and 1,712 chum salmon (Appendix G3). The 2014 sockeye salmon escapement into Afognak Lake was 35,704 fish (Fuerst 2015), which was within the escapement goal range of 20,000 to 50,000 fish (Sagalkin et al. 2013).

The commercial salmon fishery targeting Kitoi Bay Hatchery fish began on June 5 with the last delivery occurring on September 10. In fisheries targeting the Kitoi Bay Hatchery return, which include the Duck Bay, Izhut Bay, Inner Kitoi, and Outer Kitoi Bay sections, 160 permit holders harvested 264 Chinook, 93,024 sockeye, 230,821 coho, 5,776,971 pink, and 45,582 chum salmon (Appendix G3). The hatchery late-run sockeye, pink, coho harvests were above harvest forecasts (Munro and Tide 2014), but the early-sockeye salmon and chum salmon harvests were lower 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 676,556 pink salmon (2.7 million pounds), about 12% of the 2014 Kitoi Bay Hatchery pink salmon harvest. In 2014, 14,159 sockeye, 189 coho, and zero chum salmon were also harvested in the cost-recovery fishery.

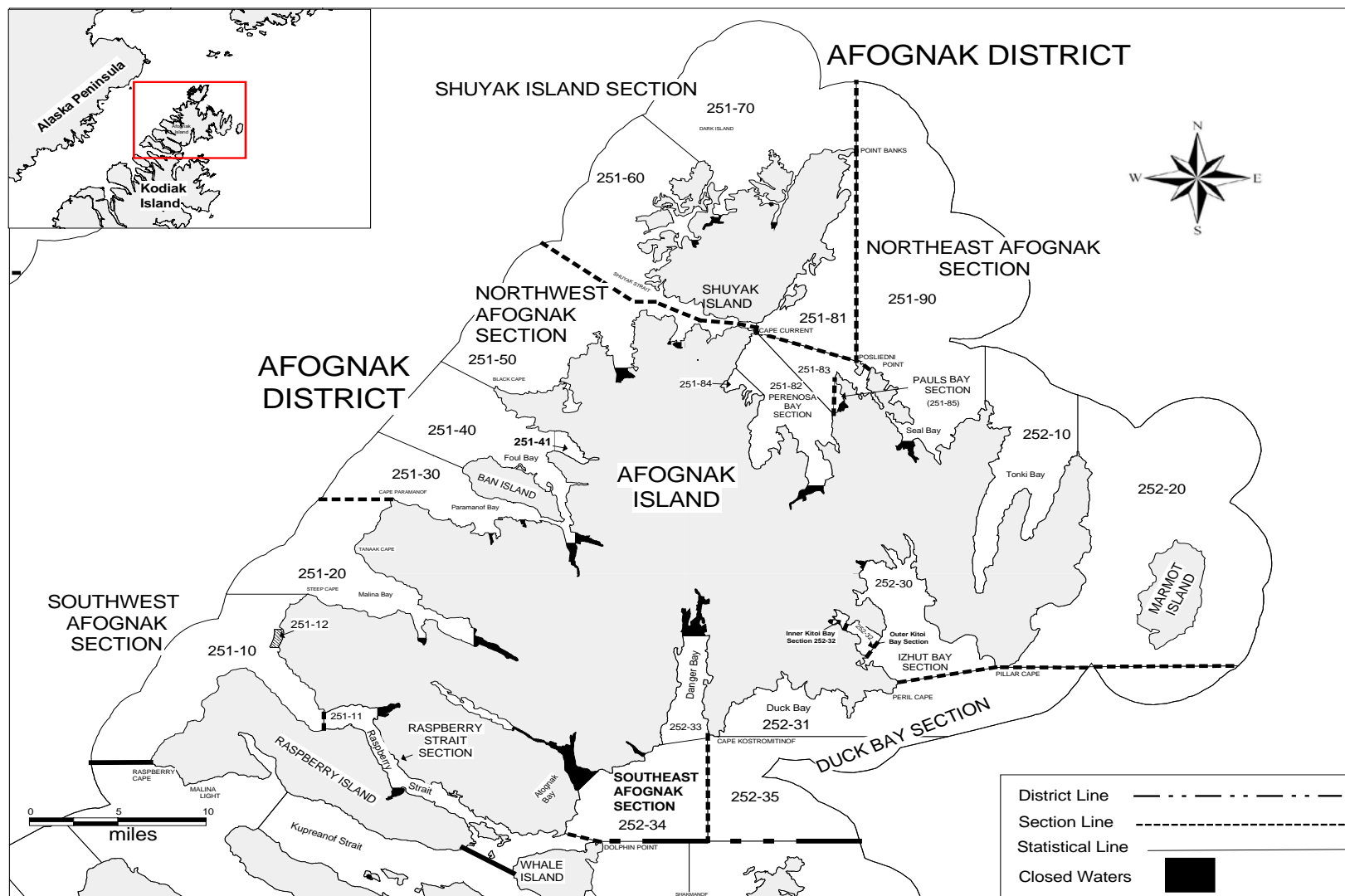
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Appendix G3.—Daily salmon harvest by species for the management units of the East Afognak Management Plan, 2014.

Management unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Raspberry Strait													
Section													
251-11													
Total		0	0	0	0	0	0	0	0	0	0	0	0
Average weight													
S.E. Afognak	5-Jun	5	5	0	0	974	4,598	0	0	0	0	0	0
Section	6-Jun	7	7	1	5	2,771	11,285	0	0	14	36	25	187
252-33 & 34	7-Jun <sup>a</sup>												
	8-Jun	4	4	0	0	764	3,309	0	0	3	9	15	104
	9-Jun <sup>a</sup>												
	10-Jun	3	3	0	0	1,562	5,904	0	0	0	0	0	0
	12-Jun	3	3	0	0	1,179	4,960	1	8	16	48	10	86
	14-Jun	4	4	0	0	1,568	6,600	0	0	0	0	0	0
	15-Jun <sup>a</sup>												
	17-Jun <sup>a</sup>												
	18-Jun <sup>a</sup>												
	23-Jun <sup>a</sup>												
	24-Jun <sup>a</sup>												
	4-Jul <sup>a</sup>												
	7-Jul <sup>a</sup>												
	8-Jul <sup>a</sup>												
	10-Jul <sup>a</sup>												
	14-Jul <sup>a</sup>												
	21-Jul <sup>a</sup>												
	30-Jul	3	4	0	0	116	678	92	712	33,246	125,819	44	317
	31-Jul	9	12	0	0	133	587	94	600	91,399	333,590	73	456
	3-Aug	11	11	0	0	123	616	77	542	41,532	152,321	54	491
	4-Aug	18	19	3	16	207	1,140	458	2,690	75,346	300,265	106	704
	5-Aug	8	9	0	0	56	289	112	663	33,190	131,596	31	183
	6-Aug	9	10	0	0	228	1,110	324	2,182	66,018	246,968	227	1,373
	7-Aug	11	12	0	0	173	887	134	749	43,882	154,498	263	1,649

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Appendix G3.–Page 2 of 7.

Management unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
S.E. Afognak Section	10-Aug <sup>a</sup>												
	11-Aug	4	4	0	0	12	63	32	191	3,946	15,604	4	34
252-33 & 34 (cont.)	12-Aug	6	6	1	13	64	375	270	1,986	13,030	56,406	22	187
	13-Aug <sup>a</sup>												
Total		60	135	6	43	14,425	63,763	1,733	11,298	413,946	1,561,086	1,712	12,130
Average weight					7.17		4.42		6.52		3.77		7.09
Izhut Bay Section 252-30	10-Jun <sup>a</sup>												
	15-Jun	3	3	0	0	363	1,657	0	0	159	437	351	2,944
	16-Jun <sup>a</sup>												
	18-Jun	4	4	0	0	397	1,602	0	0	6	15	406	3,637
	19-Jun <sup>a</sup>												
	20-Jun	5	5	0	0	398	1,598	0	0	19	36	619	6,000
	21-Jun	3	3	0	0	220	1,111	0	0	13	39	377	2,641
	22-Jun <sup>a</sup>												
	23-Jun	4	4	18	62	430	2,079	1	7	28	104	574	4,087
	24-Jun	3	4	0	0	231	1,202	0	0	46	144	209	1,734
	25-Jun	5	5	17	107	795	3,943	7	30	48	116	994	7,314
	26-Jun <sup>a</sup>												
	27-Jun	3	3	0	0	257	1,015	0	0	46	133	250	1,665
	24-Jul	7	7	0	0	588	2,971	169	1,116	14,825	52,876	154	1,113
	25-Jul	9	9	2	21	1,680	8,755	313	2,020	46,238	149,508	333	2,365
	26-Jul	10	10	0	0	1,457	7,470	101	650	22,318	69,622	247	1,561
	27-Jul <sup>a</sup>												
	28-Jul	5	5	0	0	400	2,067	67	467	24,906	95,521	42	246
	29-Jul	4	4	0	0	237	1,249	110	635	19,963	76,717	58	388
	30-Jul	12	13	0	0	1,148	5,856	253	1,512	55,257	210,742	200	1,235
	31-Jul	14	15	0	0	851	4,398	194	1,343	91,075	313,973	83	587
	11-Aug	46	47	8	76	637	3,232	1,858	13,144	241,479	829,680	635	4,676
	12-Aug	26	27	0	0	250	1,238	1,407	9,970	71,812	283,515	131	1,004
	13-Aug	33	35	9	82	366	1,989	2,186	15,031	106,711	370,261	67	522
	19-Aug	64	64	0	0	524	2,541	16,794	128,199	187,198	653,575	15	90

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Appendix G3.–Page 3 of 7.

Management unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Izhut Bay Section	20-Aug	37	37	0	0	238	1,149	7,297	53,866	75,718	309,146	4	24
252-30 (cont.)	21-Aug	67	67	1	4	599	2,869	24,057	179,856	169,031	622,547	48	393
	22-Aug	39	39	0	0	308	1,491	11,133	85,734	63,089	215,284	8	56
	23-Aug	24	24	0	0	255	1,190	9,000	73,094	38,369	142,804	16	107
	24-Aug	11	12	1	15	118	626	7,574	54,820	12,367	45,942	6	33
	25-Aug	11	11	0	0	165	842	9,373	67,946	14,177	54,991	2	14
	26-Aug	15	15	0	0	211	1,231	10,681	92,262	6,873	26,886	22	140
	27-Aug	16	16	0	0	328	1,424	10,022	73,050	6,809	26,306	2	8
	28-Aug	15	15	0	0	92	487	10,809	93,028	4,808	18,460	1	5
	29-Aug	14	14	0	0	302	1,559	16,073	140,534	7,576	26,155	2	13
	30-Aug	9	9	0	0	137	619	11,101	88,957	3,661	13,377	2	12
	31-Aug	9	9	0	0	111	547	9,508	83,792	2,908	10,253	0	0
	1-Sep	8	8	0	0	28	124	4,613	37,510	631	2,230	0	0
	2-Sep	8	8	0	0	16	84	5,131	39,479	934	3,644	1	8
	3-Sep	6	6	0	0	496	2,597	3,161	25,502	1,090	3,491	3	14
	4-Sep	3	3	0	0	12	73	3,028	25,631	252	925	1	3
	5-Sep	5	5	0	0	25	152	3,339	23,525	49	149	495	2,966
	6-Sep <sup>a</sup>												
	7-Sep	4	4	0	0	45	225	5,816	48,264	104	321	0	0
	8-Sep <sup>a</sup>												
	9-Sep <sup>a</sup>												
	10-Sep	3	3	0	0	3	17	1,414	5,711	0	0	0	0
Total		135	586	68	439	15,872	78,922	190,149	1,490,863	1,304,462	4,679,722	7,224	54,042
Average weight					6.46		4.97		7.84		3.59		7.48
Duck Bay	6-Jun	3	3	0	0	2,457	10,278	0	0	64	156	145	971
Section	8-Jun	5	5	20	109	3,549	17,609	3	15	62	184	388	2,335
252-31 & 35	9-Jun	4	4	3	34	587	3,252	0	0	11	28	105	900
	10-Jun <sup>a</sup>												
	11-Jun	3	3	6	54	942	4,054	0	0	40	95	108	751
	12-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
Duck Bay Section 252-31 & 35 (cont.)	13-Jun <sup>a</sup>												
	14-Jun <sup>a</sup>												
	15-Jun <sup>a</sup>												
	16-Jun	3	3	2	15	100	473	1	6	93	283	91	557
	17-Jun <sup>a</sup>												
	18-Jun	6	6	0	0	1,216	5,443	3	16	308	841	525	3,999
	19-Jun	4	4	0	0	885	4,369	0	0	61	213	964	6,629
	20-Jun	5	5	0	0	558	2,829	1	6	43	89	602	4,361
	21-Jun	5	5	1	8	489	2,341	6	40	196	591	374	2,791
	22-Jun <sup>a</sup>												
	23-Jun	5	5	18	56	918	4,461	9	41	473	1,542	659	4,479
	24-Jun	5	5	1	8	862	4,264	28	161	302	844	668	4,683
	25-Jun	6	6	13	48	365	1,769	0	0	159	427	444	3,176
	26-Jun	7	7	1	7	1,262	6,290	26	149	254	726	1,025	7,088
	27-Jun	3	3	4	39	655	3,073	6	35	121	325	855	5,577
	28-Jun	8	8	9	34	2,275	10,866	76	458	458	1,377	2,595	16,380
	29-Jun <sup>a</sup>												
	15-Jul	9	9	4	20	2,063	10,355	322	2,076	4,017	12,726	1,202	6,862
	16-Jul	3	3	2	3	1,130	5,394	124	780	1,763	5,776	224	1,376
	17-Jul	8	8	5	23	2,319	11,622	393	2,445	5,271	17,498	1,383	8,551
	20-Jul	4	4	1	7	933	4,559	79	546	10,233	34,559	508	2,464
	21-Jul	5	6	4	61	1,566	8,330	186	1,385	17,302	51,917	629	4,470
	22-Jul	13	13	5	31	2,983	14,365	425	3,005	42,327	123,731	1,063	7,331
	23-Jul	7	7	7	117	1,431	8,011	370	2,503	23,295	87,191	290	2,158
	24-Jul	19	19	7	146	3,692	18,511	1,108	7,235	104,980	343,909	1,597	11,085
	25-Jul	13	13	2	42	1,558	8,205	439	2,882	49,464	175,578	681	4,364
	26-Jul	17	19	7	76	1,270	6,473	496	3,334	125,910	396,751	439	3,067
	27-Jul	12	13	4	79	860	4,535	397	2,741	79,887	302,324	281	1,896
	28-Jul	16	17	3	51	1,116	6,638	336	2,495	112,345	366,519	266	2,010
	29-Jul	29	31	1	12	1,912	9,990	689	4,752	211,967	768,943	565	3,947

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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	30-Jul	30	33	2	46	1,115	6,483	1,001	7,104	233,319	841,641	443	3,245
Section	31-Jul	42	45	14	159	1,926	9,268	1,041	7,066	280,418	925,176	708	4,718
252-31 & 35	1-Aug	55	55	7	88	1,343	6,972	1,470	9,327	350,446	1,247,147	886	6,790
(cont.)	3-Aug	37	39	0	0	741	4,115	896	6,275	238,622	873,451	288	2,352
	4-Aug	37	39	0	0	465	2,493	795	5,136	204,474	719,741	111	791
	5-Aug	39	39	4	51	741	4,033	1,152	7,566	230,478	878,880	511	3,686
	6-Aug	42	43	13	125	698	3,582	1,233	8,077	235,790	895,302	350	2,342
	7-Aug	51	52	0	0	551	2,764	1,066	7,119	204,808	750,213	359	2,428
	10-Aug	37	39	0	0	553	2,991	1,452	10,338	207,597	767,870	151	1,082
	11-Aug	23	24	3	34	281	1,490	1,104	7,207	92,087	343,563	1,401	6,411
	12-Aug	31	32	0	0	350	1,759	1,461	10,989	136,677	499,325	140	954
	13-Aug	43	48	1	8	471	2,397	2,349	15,157	148,161	517,528	325	2,194
Total		126	734	179	1,613	51,883	259,859	20,575	138,679	3,355,298	11,957,818	25,736	170,452
Average weight					9.01		5.01		6.74		3.56		6.62
Inner & Outer	7-Jun <sup>a</sup>												
Kitoi Bay	9-Jun <sup>a</sup>												
Sections	10-Jun <sup>a</sup>												
252-32	11-Jun <sup>a</sup>												
	12-Jun <sup>a</sup>												
	13-Jun	4	4	4	18	772	4,205	0	0	31	100	1,203	8,217
	14-Jun <sup>a</sup>												
	15-Jun	4	4	0	0	856	4,335	1	4	255	725	1,507	10,308
	16-Jun <sup>a</sup>												
	17-Jun <sup>a</sup>												
	18-Jun	6	6	0	0	565	2,432	0	0	0	0	696	5,293
	19-Jun	4	4	3	5	1,025	4,161	3	14	328	984	908	5,438
	20-Jun	4	4	2	11	381	1,614	0	0	4	8	690	4,751
	21-Jun	5	6	0	0	1,132	5,666	0	0	0	0	2,185	15,199
	22-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 & Outer	23-Jun	3	3	0	0	424	2,387	0	0	21	69	736	5,146
Kitoi Bay	24-Jun	4	4	1	7	772	3,492	0	0	0	0	909	6,672
Sections	26-Jul	3	3	0	0	528	3,035	23	141	8,519	29,938	74	507
252-32	27-Jul	4	4	0	0	1,820	11,132	0	0	23,650	88,193	146	1,154
	28-Jul	3	3	0	0	513	3,081	7	44	21,881	87,527	90	630
	29-Jul	7	7	0	0	447	2,260	28	150	33,157	126,703	149	835
	30-Jul <sup>a</sup>												
	2-Aug <sup>a</sup>												
	3-Aug <sup>a</sup>												
	4-Aug <sup>a</sup>												
	6-Aug <sup>a</sup>												
	7-Aug <sup>a</sup>												
	9-Aug <sup>a</sup>												
	10-Aug <sup>a</sup>												
	11-Aug	29	30	0	0	317	1,681	468	2,908	206,277	743,037	90	632
	12-Aug <sup>a</sup>												
	13-Aug <sup>a</sup>												
	15-Aug <sup>a</sup>												
	19-Aug <sup>a</sup>												
	20-Aug	17	19	0	0	133	580	2,109	17,690	58,124	211,331	8	52
	21-Aug	12	13	0	0	88	379	1,072	7,504	74,942	253,294	0	0
	29-Aug	5	5	0	0	92	453	2,170	19,851	1,255	4,523	2	13
	30-Aug <sup>a</sup>												
	31-Aug <sup>a</sup>												
	1-Sep <sup>a</sup>												
	2-Sep	4	4	0	0	0	0	2,186	17,483	0	0	0	0
	3-Sep <sup>a</sup>												
	4-Sep	3	3	0	0	0	0	1,936	15,485	0	0	0	0
	5-Sep <sup>a</sup>												
	6-Sep <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 & Outer	7-Sep <sup>a</sup>												
Kitoy Bay sections	8-Sep <sup>a</sup>												
252-32 (cont.)	10-Sep <sup>a</sup>												
Total		67	177	17	100	25,269	123,993	20,097	170,417	1,117,211	4,305,052	12,622	86,669
Average weight					5.88		4.91		8.48		3.85		6.87
Management units targeting Kitoy Hatchery (Inner & Outer Kitoy, Izhut and Duck Bay sections)													
Subtotal			1,497	264	2,152	93,024	462,774	230,821	1,799,959	5,776,971	20,942,592	45,582	311,163
Average weight					8.15		4.97		7.80		3.63		6.83
East Afognak management units													
Grand total			1,632	270	2,195	107,449	526,537	232,554	1,811,257	6,190,917	22,503,678	47,294	323,293
Average weight					8.13		4.90		7.79		3.63		6.84

<sup>a</sup> Confidential.



## **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 391,000 Spiridon Lake sockeye salmon was expected in 2014 (Munro and Tide 2014). Sockeye salmon stocked into Spiridon Lake were from Saltery Lake broodstock. 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.

### **2014 Spiridon Bay Sockeye Salmon Fishery**

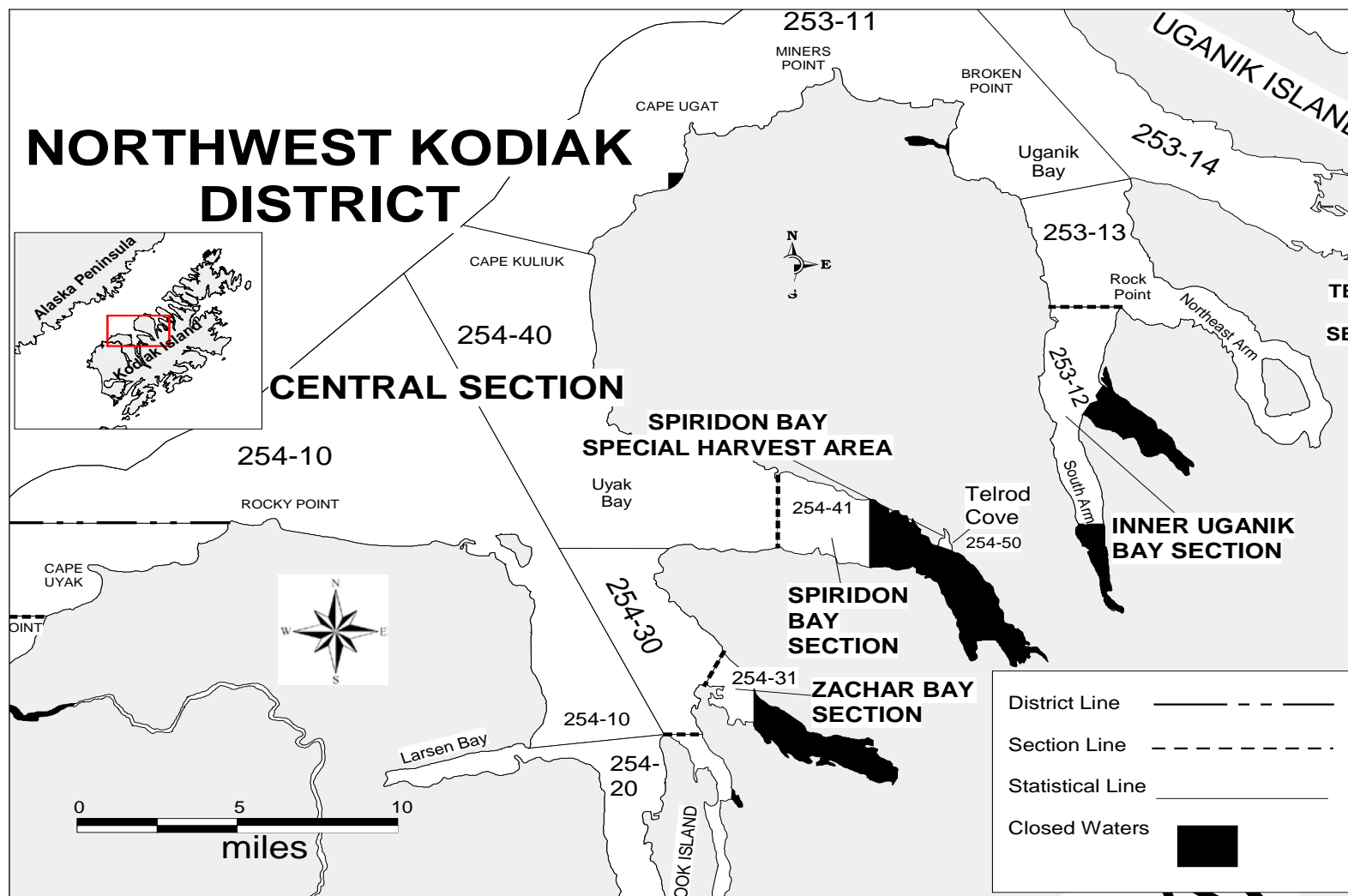
KRAA conducted a cost-recovery harvest to help fund a portion of the stocking program. The cost-recovery harvest began on June 24, continued until July 20, and harvested 62,213 sockeye, 1,975 pink, and 29 chum salmon. With the conclusion of the cost-recovery harvest, the common property fishery was opened on July 21 and remained open until the sockeye salmon run began to subside (August 13). Nineteen purse seiner permit holders harvested a total of zero Chinook, 42,951 sockeye, 110 coho, 13,617 pink, and 891 chum salmon in the common property fishery in SBSHA (Appendix H3). The total number of sockeye salmon harvested in Telrod Cove was 105,164 fish, 59% (62,213 fish) of which was harvested for cost recovery (Appendix H4).

In 2014, 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 a strong pink salmon run. In mid-August, the fishing schedule was reduced when it became apparent that the Westside pink salmon run was weaker than forecast. As a result of the long fishing periods in July, the percentage of Spiridon-bound sockeye salmon harvested in areas outside of SBSHA was higher than in some previous years, when a lower pink salmon run forecast resulted in restricted fishing time. The total number of sockeye salmon returning to the Spiridon enhancement project that were sold in 2014 was estimated at 269,651 fish, with approximately 39% (105,164 fish) harvested within SBSHA and an estimated 61% (164,487 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 the correlation between the number of days fish were harvested in the Central Section of the Northwest Kodiak District (excluding the SBSHA) and the previously estimated portion of Spiridon Lake sockeye salmon harvested in the SBSHA determined from scale pattern analyses from commercial harvests from 2008 through 2012 (Moore 2013).

## **REFERENCES CITED**

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- Moore, M. L. 2013. Kodiak Management Area salmon escapement and catch sampling results, 2012. Alaska Department of Fish and Game, Fishery Data Series No. 13-48, Anchorage.

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, 2014.

Management unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Spiridon Bay SHA 254-50	21-Jul	4	4	0	0	2,119	10,685	0	0	383	1,873	24	184
	22-Jul	6	6	0	0	4,178	21,328	1	9	1,679	4,949	234	1,423
	23-Jul	3	3	0	0	1,944	9,015	0	0	646	2,188	60	519
	24-Jul	8	8	0	0	4,293	20,532	0	0	1,675	5,347	104	680
	25-Jul <sup>a</sup>												
	26-Jul <sup>a</sup>												
	27-Jul	7	7	0	0	3,936	19,241	0	0	1,754	5,700	74	512
	28-Jul	4	4	0	0	804	3,575	0	0	517	1,819	20	183
	29-Jul	3	3	0	0	617	3,089	0	0	417	1,387	24	170
	30-Jul <sup>a</sup>												
	31-Jul	4	4	0	0	1,092	5,750	2	17	508	2,149	37	239
	1-Aug <sup>a</sup>												
	2-Aug	8	8	0	0	5,974	29,425	8	37	1,374	5,248	28	248
	3-Aug	3	3	0	0	681	3,558	1	12	281	1,178	15	127
	4-Aug	7	7	0	0	3,766	19,051	0	0	848	3,350	8	79
	5-Aug	4	4	0	0	1,655	10,242	0	0	462	1,732	24	210
	6-Aug <sup>a</sup>												
	7-Aug <sup>a</sup>												
	8-Aug	5	5	0	0	2,365	11,866	1	11	380	1,360	41	337
	9-Aug	3	3	0	0	1,386	6,111	1	10	205	722	3	33
	10-Aug	3	3	0	0	890	4,667	5	57	177	699	21	138
	11-Aug	6	6	0	0	746	3,904	36	423	285	1,192	60	479
	12-Aug	4	4	0	0	1,046	5,370	51	491	447	1,512	51	426
	13-Aug <sup>a</sup>												
Total		19	95	0	0	42,951	213,754	110	1,100	13,617	49,036	891	6,529
Average weight					0.00		4.98		10.00		3.60		7.33

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

<sup>a</sup> Confidential



Appendix H4.—Estimated contribution to the commercial harvest from the Spiridon Lake sockeye salmon enhancement project by locality in the Kodiak Management Area, 2014.

	Actual	Estimated	
	Telrod Cove	Southwest Afognak Section and NW Kodiak District	Westside total
Cost recovery	62,213	0	62,213
Common property	42,951	164,487	207,438
Total harvest	105,164	164,487	269,651
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 2014). 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 2014 (Appendix I3), not more than two 33-hour fishing periods could occur from June 14 through July 5 to harvest local and migrating sockeye salmon. 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 to July 5, fishing opportunities are based on sockeye salmon bound to either the Pasagshak River in Outer Ugak Bay Section or the Sallery 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, Sallery Lake sockeye salmon escapement 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 abundance (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 that is targeted by a large number of subsistence and sport fishermen. A weir is operated on the Buskin River to enumerate escapement. Within the Inner Ugak Bay Section of the Eastside Kodiak District, the Sallery Lake system produces a significant run of sockeye salmon. A weir is operated on this stream by Kodiak Regional Aquaculture Association and the department to enumerate sockeye salmon. Additionally, the department has operated a weir on the Pasagshak River since 2011 to enumerate sockeye salmon that are targeted by subsistence and sport fishermen. Other minor sockeye salmon systems are present in the Eastside Kodiak District, including Lake Miam and Ocean Beach.

## 2014 Eastside Kodiak Fisheries

The Sallery River sockeye salmon run was moderate with cumulative escapement past Sallery weir of 29,047 fish (Fuerst 2015), within the desired escapement goal range of 15,000 to 35,000 fish (Keyse 2014). There were two 33-hour fishing periods in the Inner Ugak Bay Section beginning on June 14 and June 21. The next fishing period began during the general pink salmon opener on July 6 for 105 hours and again for another 105 hours beginning on July 13. The third 105-hour fishing period began on July 20 and was eventually extended to remain open until July 31 due to adequate sockeye salmon escapement into the Sallery Lake system.

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By early August, it was apparent that the pink salmon abundance in the area was below average and the Inner Ugak Bay Section remained closed for the majority of month to increase pink salmon escapement within the section. In September, 4 separate 54-hour fishing periods were announced but only limited fishing effort occurred for the first fishing period, and the subsequent 3 fishing periods had no deliveries.

The Buskin River sockeye salmon run was strong during the 2014 season, and no restrictions to the subsistence fishery were necessary. A total of 13,976 sockeye salmon passed above the Buskin River weir (Fuerst 2015), which was well above the escapement goal range of 5,000 to 8,000 fish (Sagalkin et al. 2013).

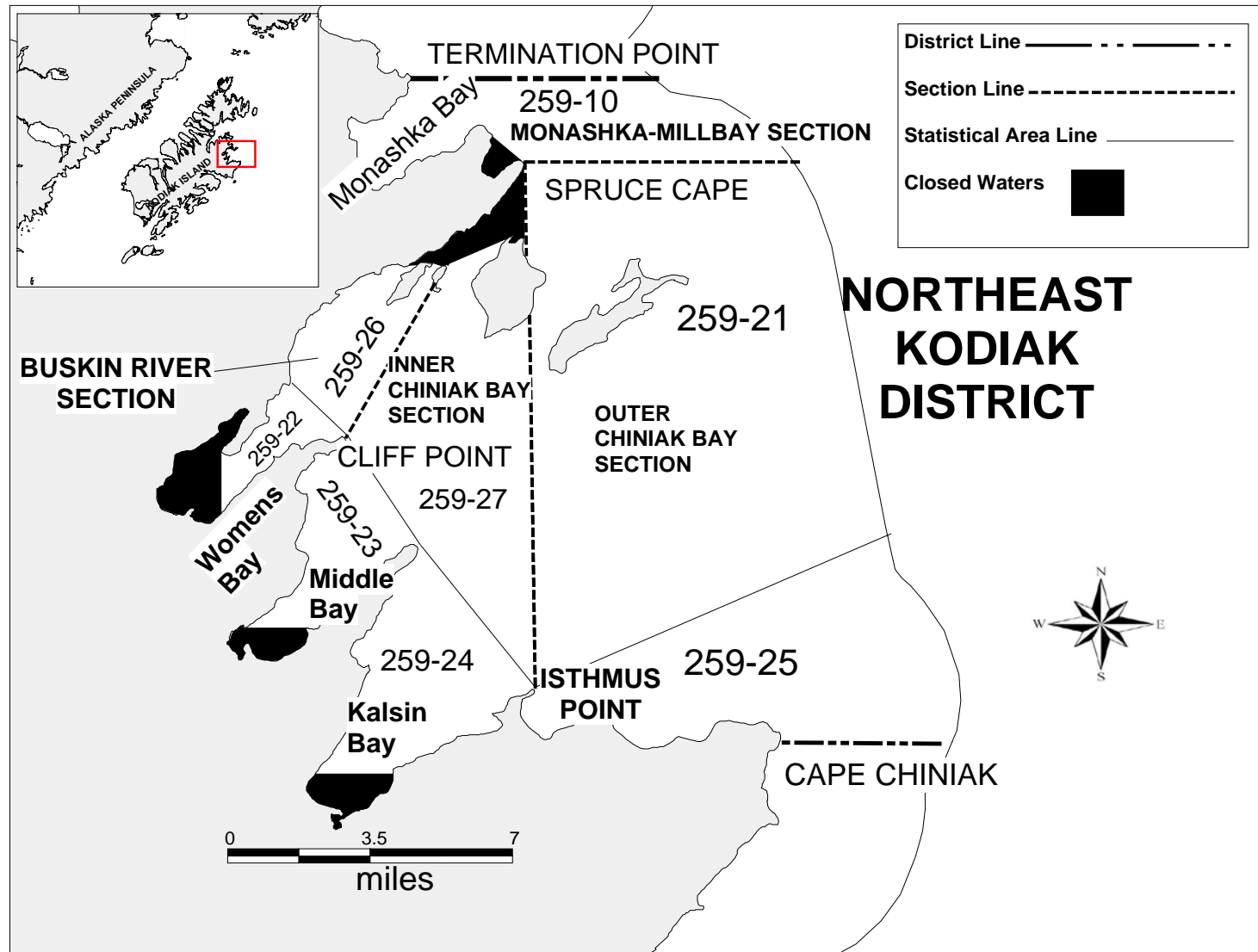
In 2011, a weir was established at the outlet of Lake Rose Tead on the Pasagshak River to enumerate sockeye salmon. As the season progressed, it became apparent that the lower-bound sustainable escapement goal (SEG) would not be reached, and the subsistence and commercial fishery closed within Pasagshak Bay. A total of 1,582 sockeye salmon were estimated to have passed the weir in 2014 (Fuerst 2015), well below the lower-bound SEG of 3,000 fish (Sagalkin et al. 2013).

Generally, pink and chum salmon runs in the Eastside Kodiak fishery were weak. As a result, the Eastside Kodiak management units (Northeast and Eastside Kodiak districts) were closed to commercial salmon fishing for the majority of the month of August. The total commercial harvest for the Eastside Kodiak management units by 88 permit holders included 2,166 Chinook, 116,806 sockeye, 24,861 coho, 356,210 pink, and 74,642 chum salmon (Appendix I4). The last landing from Eastside Kodiak management units occurred on September 2.

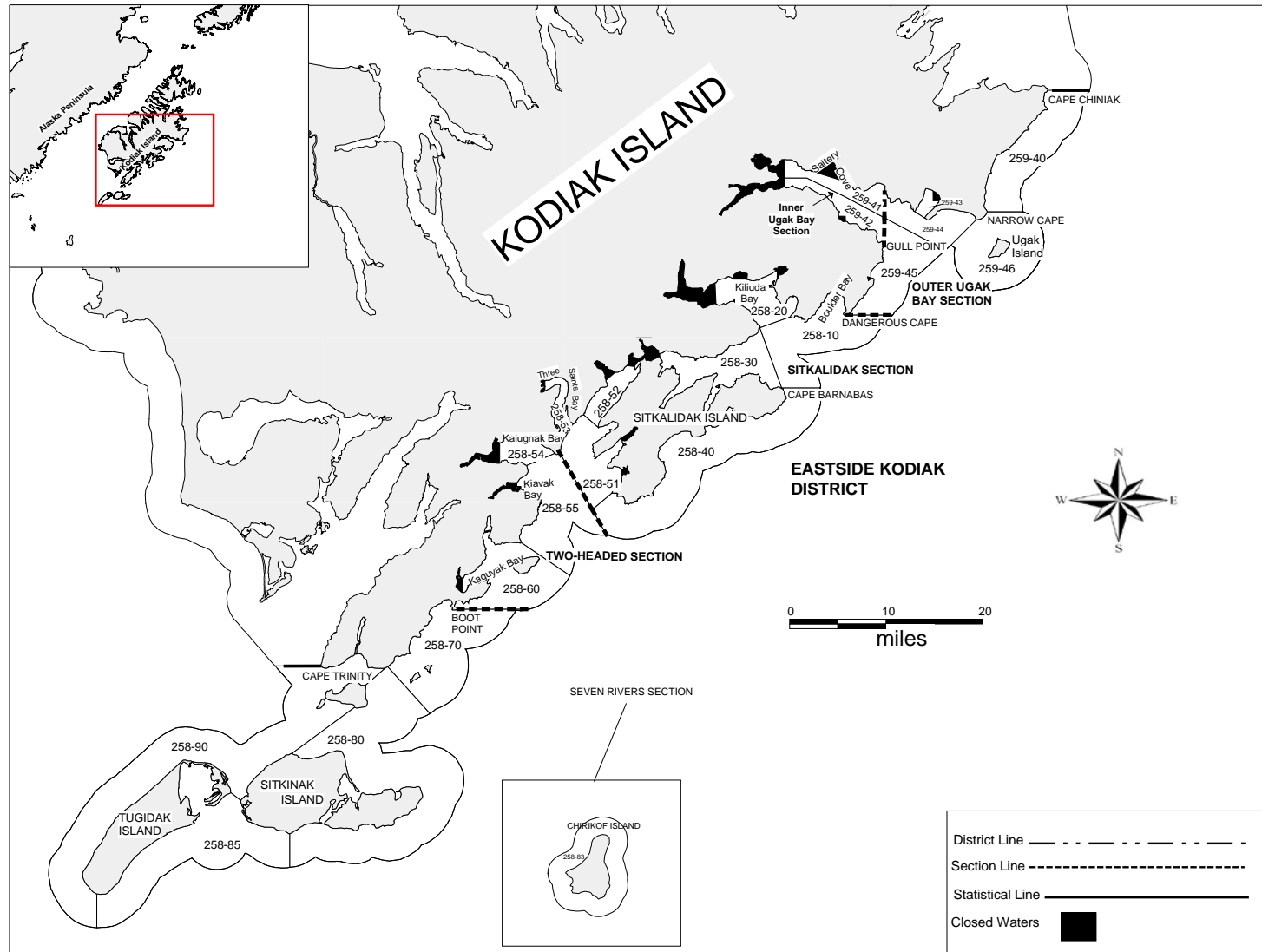
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- Keyse, M. 2014. Kodiak management area harvest strategy for the 2014 commercial salmon fishery. Alaska Department of Fish and Game, Fishery Management Report No. 14-13, Anchorage.
- Sagalkin, N. H., B. Foster, M. B. Loewen, and J. W. Erickson. 2013. Review of salmon escapement goals in the Kodiak Management Area, 2013. Alaska Department of Fish and Game, Fishery Manuscript Series No. 13-11, Anchorage.

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, 2014.

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	13	14	18	89	5,591	28,751	4	25	520	1,637	2,309	15,766
	15-Jun	3	3	7	30	2,796	14,089	6	16	129	406	903	6,336
	21-Jun	29	29	60	393	10,862	54,877	52	355	1,511	4,592	4,458	31,051
	22-Jun	6	6	8	51	2,247	10,147	23	132	237	736	597	3,832
	23-Jun <sup>a</sup>												
	24-Jun <sup>a</sup>												
	27-Jun	4	4	31	288	1,342	7,147	32	190	0	0	235	1,595
	28-Jun <sup>a</sup>												
	6-Jul	60	62	833	5,214	34,182	182,403	11,132	72,385	22,015	69,344	20,502	159,010
	7-Jul	12	12	79	776	3,916	21,014	548	3,604	2,300	6,984	2,421	16,564
	8-Jul	33	33	176	1,278	13,483	74,796	3,671	24,030	10,683	35,322	4,514	32,383
	9-Jul	15	15	62	332	5,252	26,102	1,023	5,455	3,271	10,679	1,421	9,406
	10-Jul	22	22	341	2,123	11,239	63,442	2,242	14,182	7,862	25,385	3,970	28,023
	13-Jul	6	6	287	2,109	5,600	29,707	814	6,495	7,824	23,443	2,153	16,901
	14-Jul <sup>a</sup>												
	15-Jul	5	5	60	350	2,150	11,130	460	2,771	2,886	8,650	731	4,763
	16-Jul	3	3	6	43	654	3,288	212	1,401	2,187	6,566	196	1,475
	17-Jul	6	6	72	379	1,984	10,228	601	3,663	6,092	18,611	1,120	6,783
	20-Jul	5	5	3	40	2,028	10,753	153	1,183	4,170	11,976	758	5,744
	21-Jul	4	4	4	80	1,855	9,282	388	2,078	17,248	46,322	586	3,526
	22-Jul	11	12	1	12	1,962	9,968	52	402	60,457	195,016	474	3,408
	23-Jul	6	6	3	23	999	5,400	158	1,111	24,749	83,475	1,533	16,465
	24-Jul	11	11	0	0	2,034	11,207	210	1,661	34,727	108,048	523	3,857
	26-Jul <sup>a</sup>												
	27-Jul	9	9	8	91	458	2,634	77	600	32,741	104,235	602	4,915
	28-Jul	8	11	1	18	512	1,926	81	540	51,478	152,073	2,894	22,824
	29-Jul	8	8	3	30	382	1,952	22	147	13,480	42,634	1,765	15,372
	30-Jul	9	10	35	830	557	3,011	94	689	12,829	39,586	1,919	16,270
	31-Jul	3	3	0	0	200	969	48	306	3,980	13,061	503	4,130
	25-Aug	3	3	0	0	22	335	381	2,584	45	143	3,929	24,803
	26-Aug <sup>a</sup>												

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Appendix I4.—Page 2 of 2.

Management unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Eastside Kodiak District (cont.)	27-Aug <sup>a</sup>												
	1-Sep <sup>a</sup>												
	2-Sep <sup>a</sup>												
Total		84	314	2,114	14,705	115,041	609,853	24,080	158,551	324,855	1,013,448	68,912	514,963
Average weight					6.96		5.30		6.58		3.12		7.47
Northeast Kodiak District	6-Jul <sup>a</sup>												
	7-Jul <sup>a</sup>												
	8-Jul	3	3	1	9	366	1,958	41	299	621	1,687	900	6,451
	9-Jul <sup>a</sup>												
	16-Jul <sup>a</sup>												
	17-Jul <sup>a</sup>												
	24-Jul <sup>a</sup>												
	3-Aug <sup>a</sup>												
	4-Aug <sup>a</sup>												
	5-Aug <sup>a</sup>												
	6-Aug	3	3	4	45	0	0	1	7	599	2,103	2,461	19,609
Total		13	18	52	336	1,765	8,270	781	5,064	31,355	96,215	5,730	41,719
Average weight					6.46		4.69		6.48		3.07		7.28
Eastside management plan total		88	332	2,166	15,041	116,806	618,123	24,861	163,615	356,210	1,109,663	74,642	556,682
Average weight					6.94		5.29		6.58		3.12		7.46

<sup>a</sup> Confidential.



## **APPENDIX J. NORTH AFOGNAK/SHUYAK 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 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 to 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, although 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 only in the FBSHA. From July 6 through July 25, the Northwest Afognak Section was also managed in accordance with the

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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.

#### **2014 North Afognak/Shuyak Island Fisheries**

In 2014, the first commercial salmon fishing period for the North Afognak/Shuyak Island management units began June 5, and was limited initially to the FBSHA and the WBSHA. Within the FBSHA, there were 11 permit holders that harvested 12,363 sockeye, 32 pink, and 32 chum salmon (Appendix J3). Due to limited fishing effort, harvest information within the WBSHA is confidential for the 2014 season (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). For the first time since 2004, the Pauls Bay weir was operated at the outlet of Pauls Lake. The Pauls Bay Section opened to commercial salmon fishing with most other areas in the KMA to allow the harvest of pink salmon on July 6 for 105 hours. There were 4 subsequent 105-hour fishing periods beginning on July 13, July 20, July 27, and August 3. There was also one 81-hour opening on August 10 after which the majority of Afognak District remained closed until September 1. Effort was below average in the Pauls Bay Section when compared to previous years with 7 permit holders harvesting 1 Chinook, 189 sockeye, 2,956 coho, 32,788 pink, and 394 chum salmon (Appendix J3).

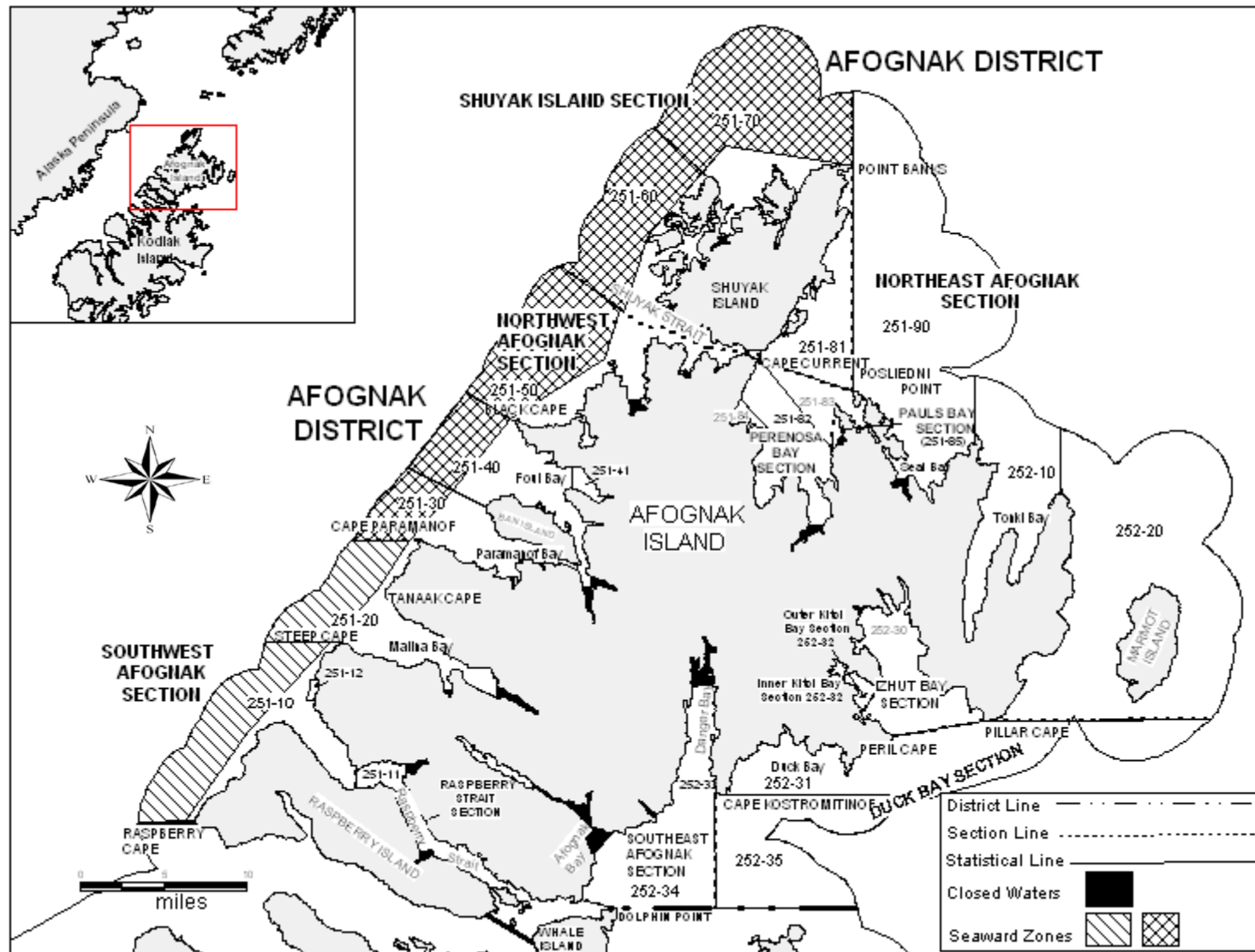
The Department of Natural Resources, local Division of Parks and Outdoor Recreation staff and volunteers did not operate a fish counting weir on Big Bay Creek on the west side of Shuyak Island during the 2014 season.

The last landing in the North Afognak/Shuyak Island management units occurred on August 13. In all the units of the North Afognak/Shuyak fishery combined, 49 permit holders made 145 landings and harvested 390 Chinook, 79,966 sockeye, 12,814 coho, 691,565 pink, and 14,535 chum salmon (Appendix J3).

#### **REFERENCES CITED**

Fuerst, B. A. 2015. Kodiak Management Area weir descriptions and salmon escapement report, 2014. Alaska Department of Fish and Game, Fisheries Management Report No. 15-14, Anchorage.

Appendix J2.—Map of the Afognak District within the Kodiak Management Area.



Appendix J3.—Daily salmon harvest by species for the North Afognak/Shuyak Island management units, 2014.

Management unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Northeast Afognak Section	10-Jul <sup>a</sup>												
	17-Jul <sup>a</sup>												
	22-Jul <sup>a</sup>												
	23-Jul <sup>a</sup>												
	24-Jul	3	3	30	280	1,215	5,291	425	2,902	20,184	66,744	724	5,028
	27-Jul <sup>a</sup>												
	29-Jul <sup>a</sup>												
	3-Aug	4	5	0	0	225	1,201	113	983	76,674	324,770	286	2,273
	4-Aug <sup>a</sup>												
	5-Aug	4	4	2	9	140	803	521	3,142	92,252	225,270	395	2,036
	6-Aug	4	4	4	65	107	687	315	1,900	83,860	178,824	192	960
	7-Aug	6	6	3	6	80	551	96	709	79,505	198,656	168	954
	10-Aug	4	4	0	0	104	648	96	934	29,126	95,153	83	805
	11-Aug	3	3	1	3	60	353	117	778	17,561	79,796	97	576
	12-Aug	3	3	0	0	51	328	69	698	24,168	79,754	58	564
	13-Aug <sup>a</sup>												
Total		13	43	360	1,196	4,917	23,509	3,690	23,860	482,518	1,442,543	5,279	34,881
Average weight					3.32		4.78		6.47		2.99		6.61
Northwest Afognak Section (excluding Foul Bay SHA)	14-Jun <sup>a</sup>												
	21-Jun	4	4	0	0	788	3,794	0	0	38	99	204	1,590
	13-Jul <sup>a</sup>												
	15-Jul <sup>a</sup>												
	17-Jul <sup>a</sup>												
	20-Jul	6	7	1	7	8,822	44,986	393	2,315	22,070	80,340	1,474	9,776
	21-Jul <sup>a</sup>												
	22-Jul	8	8	1	16	22,788	119,436	496	3,785	28,440	87,023	904	7,023
	23-Jul	4	4	1	15	4,102	23,097	402	2,675	11,338	36,597	473	3,262
	24-Jul	8	8	3	31	17,593	93,517	459	2,921	17,185	59,129	1,000	6,480
	27-Jul	4	4	0	0	975	4,665	207	1,314	8,262	25,489	184	1,319
	28-Jul <sup>a</sup>												
	29-Jul <sup>a</sup>												

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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.)	30-Jul <sup>a</sup>												
	4-Aug <sup>a</sup>												
	5-Aug <sup>a</sup>												
	6-Aug	3	3	0	0	117	652	840	5,306	21,627	71,212	673	4,522
	7-Aug <sup>a</sup>												
Total		26	57	14	123	59,916	312,287	3,992	27,117	163,767	549,137	7,991	63,004
Average weight					8.79		5.21		6.79		3.35		7.88
Foul Bay Special Harvest Area	5-Jun	7	7	0	0	4,945	21,899	0	0	0	0	5	32
	6-Jun <sup>a</sup>												
	7-Jun	3	3	0	0	772	3,261	0	0	0	0	0	0
	9-Jun <sup>a</sup>												
	11-Jun	3	3	0	0	1,018	4,436	0	0	0	0	1	6
	12-Jun <sup>a</sup>												
	13-Jun <sup>a</sup>												
	14-Jun <sup>a</sup>												
	15-Jun <sup>a</sup>												
	16-Jun <sup>a</sup>												
	26-Jun <sup>a</sup>												
Total		11	25	0	0	12,363	52,381	0	0	32	78	32	268
Average weight					0.00		4.24		0.00		2.44		8.38
Pauls Bay Section	21-Jun <sup>a</sup>												
	6-Aug <sup>a</sup>												
	7-Aug	3	3	0	0	22	111	1,340	14,861	2,600	13,028	285	3,024
	13-Aug <sup>a</sup>												
Total		7	8	0	0	189	919	2,956	29,308	8,159	32,788	394	3,901
Average weight					0.00		4.86		9.91		4.02		9.90

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Management unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Perenos Bay Section (Excluding Waterfall Bay)	14-Jun <sup>a</sup>												
	28-Jul <sup>a</sup>												
	3-Aug <sup>a</sup>												
	4-Aug <sup>a</sup>												
	5-Aug <sup>a</sup>												
Total		4	6	1	9	180	812	2,096	20,564	29,348	89,895	674	6,076
Average weight					9.00		4.51		9.81		3.06		9.01
Waterfall Bay Special Harvest Area	7-Jun <sup>a</sup>												
	9-Jun <sup>a</sup>												
	11-Jun <sup>a</sup>												
	14-Jun <sup>a</sup>												
Total <sup>a</sup>													
Average weight													
Shuyak Island Section	23-Jul <sup>a</sup>												
	30-Jul <sup>a</sup>												
Total <sup>a</sup>													
Average weight													
Grand total		49	145	390	1,435	79,966	401,861	12,814	101,931	691,565	2,142,594	14,535	109,546
Average weight					3.68		5.03		7.95		3.10		7.54

<sup>a</sup> Confidential.



## **APPENDIX K. MAINLAND DISTRICT FISHERY SUMMARY**

## INTRODUCTION

The Mainland District in the Kodiak Management Area (KMA; Appendix K2) is covered under 3 separate regulatory management plans, 2 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 to 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 from July 6 to 25 and 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).

MDSMP stipulates that commercial salmon fisheries in the majority of the Mainland District remain closed until July 6, when the general pink salmon fishery begins for most of the Kodiak Management Area. The exceptions are the Cape Igvak Section (managed based on the strength of the Chignik sockeye salmon run through July 25) and two 33-hour fisheries 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 25, weekly fishing periods could not exceed 57 hours and fishing opportunities are 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 to the end of the season, fishing periods are based on the abundance of local pink, chum, and coho salmon.

### 2014 Mainland District Fisheries

On June 14 and June 21, there were two 33-hour fishing periods 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 the Wide Bay and Cape Igvak sections, which remained closed) was opened for three 57-hour fishing periods between July 6 and July 22 (with some sections under NSSSSMP).

Pink and chum salmon runs were weak throughout most of the Mainland District in 2014. After the fourth 57-hour pink salmon opener, which began on August 3, the entire Mainland District remained closed until the department began managing for late-run pink and coho salmon on August 25. The estimated pink salmon escapement of 254,650 fish was within the escapement goal range of 250,000 to 1,000,000 fish (Sagalkin et al. 2013).

During September, the entire Mainland District opened to commercial salmon fishing for four 54-hour fishing periods. There was no effort or harvest during these commercial salmon fishing periods (Appendix K3).

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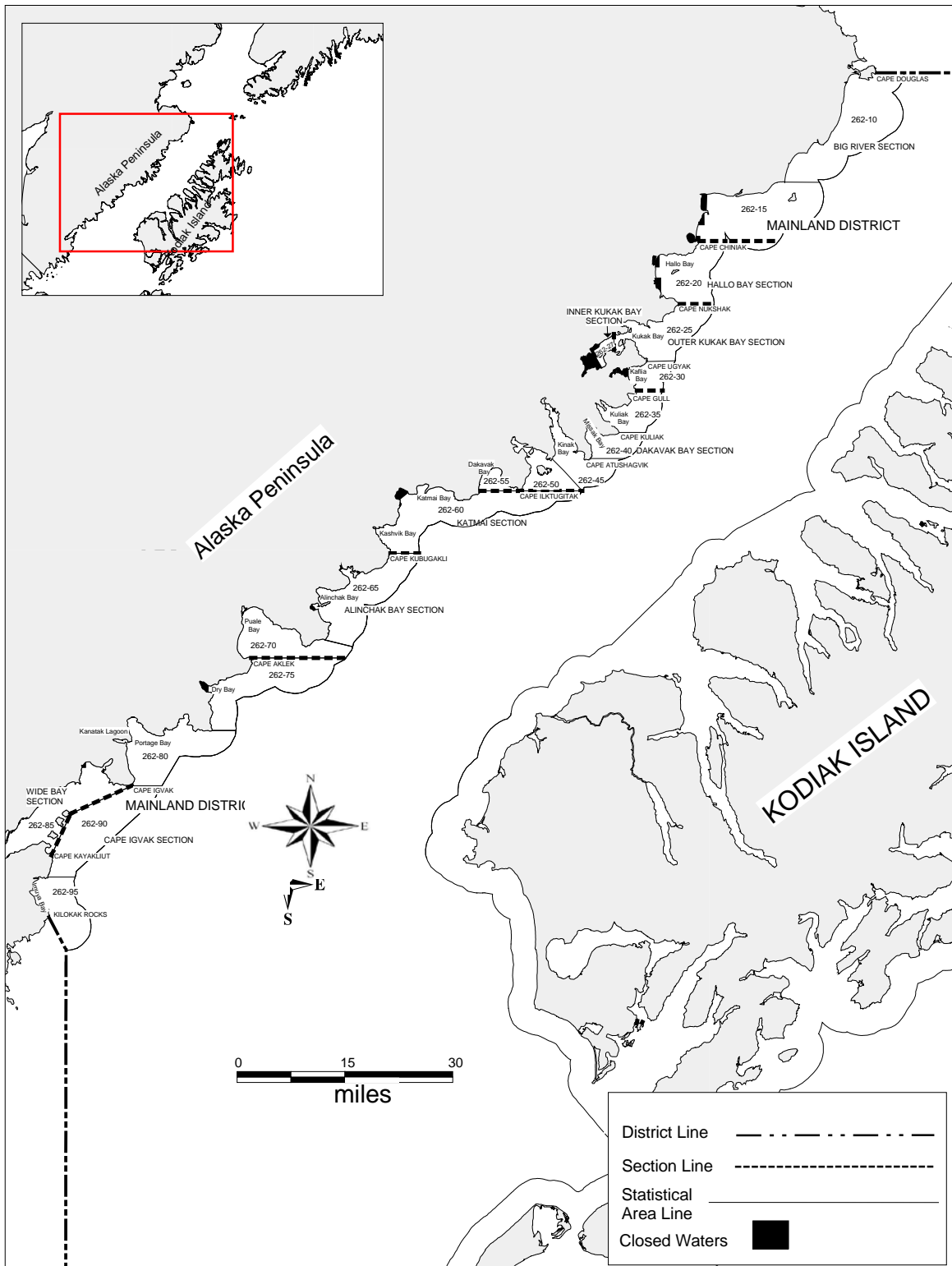
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During 2014, the total commercial harvest by 72 permit holders in the Mainland District included 422 Chinook, 246,315 sockeye, 14,546 coho, 154,841 pink, and 25,174 chum salmon (Appendix K3). This includes all salmon harvested along the Mainland, including those harvested under the direction of CISMP and NSSSSMP.

### **REFERENCES CITED**

Sagalkin, N. H., B. Foster, M. B. Loewen, and J. W. Erickson. 2013. Review of salmon escapement goals in the Kodiak Management Area, 2013. Alaska Department of Fish and Game, Fishery Manuscript Series No. 13-11, Anchorage.

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, 2014.

Management unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Big River Section	27-Jul	5	5	0	0	794	3,809	218	1,394	18,716	62,913	195	1,431
	28-Jul <sup>a</sup>												
	29-Jul <sup>a</sup>												
	5-Aug <sup>a</sup>												
Total		8	9	0	0	2,635	13,390	709	5,106	21,980	72,951	781	5,726
Average weight					0.00		5.08		7.20		3.32		7.33
Hallo Bay Section	27-Jul <sup>a</sup>												
Total <sup>a</sup>													
Outer Kukak Bay Section	21-Jun <sup>a</sup>												
	22-Jun <sup>a</sup>												
	8-Jul <sup>a</sup>												
	13-Jul <sup>a</sup>												
	14-Jul <sup>a</sup>												
	15-Jul <sup>a</sup>												
Total		7	7	2	36	5,655	30,177	162	1,075	2,484	9,105	813	5,596
Inner Kukak Bay Section													
Total		0	0	0	0	0	0	0	0	0	0	0	0
Dakavak Bay Section	6-Jul	14	14	40	279	8,560	45,470	112	734	3,142	10,607	833	6,279
	7-Jul	9	9	14	68	3,458	19,395	38	285	1,805	6,176	306	2,808
	8-Jul	17	18	22	163	11,630	66,712	158	1,004	4,303	14,414	629	5,270
	13-Jul	16	16	29	255	21,196	101,726	708	4,190	10,905	34,872	2,311	16,092
	14-Jul	7	8	9	63	8,998	50,649	413	2,498	5,371	17,590	1,195	8,712
	15-Jul	5	5	3	40	5,796	34,174	263	1,704	3,302	11,026	378	3,105
	20-Jul <sup>a</sup>												
	21-Jul	3	3	21	182	8,391	48,678	361	2,517	5,090	16,095	444	3,707

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Management unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Dakavak	22-Jul	4	4	0	0	7,116	39,606	576	4,322	6,827	22,502	608	5,021
Bay Section	27-Jul	19	19	107	1,437	53,744	243,667	3,248	19,149	18,881	59,285	2,112	16,049
	28-Jul	10	10	19	127	21,541	119,049	1,603	10,579	9,803	30,022	1,405	11,593
	29-Jul	23	23	44	567	16,691	87,137	1,989	12,040	19,858	68,184	1,974	14,002
	3-Aug	8	8	0	0	4,440	23,926	714	5,054	6,475	22,561	1,434	11,385
	4-Aug <sup>a</sup>												
	5-Aug <sup>a</sup>												
Total		59	141	324	3,375	180,612	925,008	10,409	65,623	100,934	330,231	14,099	107,822
Average weight					10.42		5.12		6.30		3.27		7.65
Katmai Section	6-Jul	4	4	9	42	2,063	13,524	62	435	931	3,192	212	1,805
	8-Jul <sup>a</sup>												
	13-Jul	6	6	1	9	4,229	25,788	78	526	2,661	9,590	342	2,683
	14-Jul <sup>a</sup>												
	15-Jul	3	3	0	0	3,085	18,510	55	330	759	2,506	138	958
	20-Jul	4	4	23	303	19,527	117,856	686	5,070	5,707	19,617	672	5,835
	21-Jul <sup>a</sup>												
	22-Jul	5	5	18	260	14,468	89,622	1,120	8,513	5,817	21,034	686	5,232
	29-Jul <sup>a</sup>												
Total		14	28	57	709	52,860	321,474	2,337	17,380	20,004	69,176	2,524	20,395
Average weight					12.44		6.08		7.44		3.46		8.08
Alinchak Bay Section	6-Jul <sup>a</sup>												
	7-Jul <sup>a</sup>												
	8-Jul <sup>a</sup>												
	13-Jul <sup>a</sup>												
	5-Aug <sup>a</sup>												
Total		4	5	5	28	1,891	9,185	77	585	1,517	4,888	4,763	42,332
Average weight					5.60		4.86		7.60		3.22		8.89

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Appendix K3.–Page 3 of 3.

Management unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Cape Igvak Section	27-Jul	4	4	32	285	906	5,542	476	3,603	3,329	11,373	779	7,212
	28-Jul <sup>a</sup>												
	29-Jul <sup>a</sup>												
Total		5	7	34	297	2,477	14,985	840	6,497	7,196	25,227	1,949	18,324
Average weight					8.74		6.05		7.73		3.51		9.40
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		72	198	422	4,445	246,315	1,315,330	14,546	96,356	154,841	513,974	25,174	202,305
Average weight					10.53		5.34		6.62		3.32		8.04

<sup>a</sup> Confidential.



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

Appendix L1.—Commercial salmon harvest, by management unit and statistical week, all gear combined, in the Kodiak Management Area, 2014.

Section (stat area)	Statistical week	Week ending	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 (combined) (251-10, 11, 12, 20)	24	14-Jun	0	0	0.0	4,034	21,062	5.2	0	0	0.0	167	542	3.2	447	3,097	6.9
	25	21-Jun	3	19	6.3	5,192	24,298	4.7	1	6	6.0	387	1,201	3.1	1,334	6,610	5.0
	26	28-Jun	22	140	6.4	4,678	23,656	5.1	5	42	8.4	704	2,214	3.1	1,088	7,468	6.9
	27	5-Jul	2	15	7.5	10,682	54,974	5.1	77	514	6.7	3,370	11,202	3.3	1,149	8,950	7.8
	28	12-Jul	7	52	7.4	4,360	22,860	5.2	268	1,687	6.3	2,225	6,356	2.9	381	2,801	7.4
	29	19-Jul	22	250	11.4	21,933	116,153	5.3	1,579	9,911	6.3	21,494	72,839	3.4	3,457	25,621	7.4
	30	26-Jul	29	403	13.9	30,395	157,767	5.2	1,909	13,325	7.0	68,178	226,608	3.3	5,337	40,115	7.5
	31	2-Aug	17	214	12.6	4,811	24,163	5.0	2,342	18,081	7.7	98,808	314,480	3.2	1,813	15,336	8.5
	32	9-Aug	19	252	13.3	1,397	7,753	5.5	2,209	18,426	8.3	69,081	246,141	3.6	3,337	31,211	9.4
	33	16-Aug	24	279	11.6	149	794	5.3	791	6,154	7.8	19,295	72,669	3.8	303	2,672	8.8
	35	30-Aug	15	169	11.3	54,141	281,678	5.2	8,777	72,631	8.3	10,674	34,539	3.2	177	1,294	7.3
	36	6-Sep	12	118	9.8	28,000	137,368	4.9	3,504	28,740	8.2	1,065	3,680	3.5	72	409	5.7
	37	13-Sep	0	0	0.0	1,040	6,239	6.0	317	3,172	10.0	8	34	4.3	4	28	7.0
	38	20-Sep	0	0	0.0	1,383	7,464	5.4	238	1,735	7.3	0	0	0.0	0	0	0.0
Total			172	1,911	11.1	172,195	886,229	5.1	22,017	174,424	7.9	295,456	992,505	3.4	18,899	145,612	7.7
N.W. Afognak (251-30, 40, 41, 50)	23	7-Jun	0	0	0.0	7,048	30,383	4.3	0	0	0.0	28	64	2.3	23	201	8.7
	24	14-Jun	0	0	0.0	6,127	25,062	4.1	0	0	0.0	56	150	2.7	54	510	9.4
	25	21-Jun	0	0	0.0	1,311	5,875	4.5	0	0	0.0	41	110	2.7	208	1,622	7.8
	26	28-Jun	0	0	0.0	309	1,234	4.0	0	0	0.0	1	3	3.0	2	10	5.0
	29	19-Jul	0	0	0.0	1,810	8,916	4.9	127	834	6.6	4,686	14,113	3.0	356	2,914	8.2
	30	26-Jul	6	69	11.5	53,578	282,536	5.3	1,762	11,765	6.7	80,354	267,448	3.3	3,894	26,842	6.9
	31	2-Aug	1	9	9.0	1,374	6,609	4.8	358	2,430	6.8	14,381	47,368	3.3	383	2,666	7.0
	32	9-Aug	7	45	6.4	722	4,053	5.6	1,745	12,088	6.9	64,252	219,959	3.4	3,103	28,507	9.2
	Total		14	123	8.8	72,279	364,668	5.0	3,992	27,117	6.8	163,799	549,215	3.4	8,023	63,272	7.9
Shuyak (251-60, 70, 81)	30	26-Jul	15	107	7.1	105	655	6.2	52	916	17.6	2,631	11,317	4.3	127	1,147	9.0
	31	2-Aug	0	0	0.0	26	141	5.4	28	166	5.9	5,110	16,836	3.3	38	269	7.1
	Total		15	107	7.1	131	796	6.1	80	1,082	13.5	7,741	28,153	3.6	165	1,416	8.6

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Section	Statistical	Week	Chinook			Sockeye			Coho			Pink			Chum		
(stat area)	week	ending	No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.
Perenos Bay	23	7-Jun	0	0	0.0	1,458	7,590	5.2	0	0	0.0	0	0	0.0	0	0	0.0
(251-82, 83, 84, 85)	24	14-Jun	0	0	0.0	880	3,825	4.3	0	0	0.0	0	0	0.0	4	39	9.8
	25	21-Jun	0	0	0.0	156	764	4.9	0	0	0.0	0	0	0.0	64	460	7.2
	31	2-Aug	0	0	0.0	20	117	5.9	26	178	6.8	1,396	4,886	3.5	5	32	6.4
	32	9-Aug	1	9	9.0	116	556	4.8	4,407	44,219	10.0	32,877	106,175	3.2	981	9,342	9.5
	33	16-Aug	0	0	0.0	9	36	4.0	619	5,475	8.8	3,234	11,622	3.6	14	104	7.4
	Total		1	9	9.0	2,639	12,888	4.9	5,052	49,872	9.9	37,507	122,683	3.3	1,068	9,977	9.3
N.E. Afognak	28	12-Jul	285	475	1.7	1,248	5,002	4.0	1,236	6,359	5.1	1,047	3,592	3.4	1,878	11,264	6.0
(251-90, 252-10 & 20)	29	19-Jul	0	0	0.0	33	156	4.7	10	65	6.5	84	286	3.4	5	28	5.6
	30	26-Jul	64	632	9.9	1,960	9,203	4.7	850	6,337	7.5	36,971	119,653	3.2	1,699	12,482	7.3
	31	2-Aug	0	0	0.0	667	3,489	5.2	151	1,101	7.3	21,168	72,372	3.4	252	1,613	6.4
	32	9-Aug	9	80	8.9	774	4,241	5.5	1,103	7,208	6.5	340,502	956,260	2.8	1,189	7,412	6.2
	33	16-Aug	2	9	4.5	235	1,418	6.0	340	2,790	8.2	82,746	290,380	3.5	256	2,082	8.1
	Total		360	1,196	3.3	4,917	23,509	4.8	3,690	23,860	6.5	482,518	1,442,543	3.0	5,279	34,881	6.6
Izhut (252-30)	24	14-Jun	1	10	10.0	33	253	7.7	0	0	0.0	2	5	3	67	536	8.0
	25	21-Jun	0	0	0.0	1,661	7,130	4.3	0	0	0.0	200	535	3	1,903	16,645	8.7
	26	28-Jun	44	217	4.9	2,184	10,585	4.8	9	42	4.7	196	587	3	2,632	18,993	7.2
	30	26-Jul	2	21	10.5	3,725	19,196	5.2	583	3,786	6.5	83,381	272,006	3	734	5,039	6.9
	31	2-Aug	0	0	0.0	2,775	14,415	5.2	673	4,224	6.3	204,832	746,014	4	422	2,708	6.4
	33	16-Aug	17	158	9.3	1,253	6,459	5.2	5,451	38,145	7.0	420,002	1,483,456	4	833	6,202	7.4
	34	23-Aug	1	4	4.0	1,924	9,240	4.8	68,281	520,749	7.6	533,405	1,943,356	4	91	670	7.4
	35	30-Aug	1	15	15.0	1,353	6,788	5.0	75,633	610,597	8.1	56,271	212,117	4	37	225	6.1
	36	6-Sep	2	14	7.0	843	4,278	5.1	30,473	246,624	8.1	5,965	21,010	4	505	3,024	6.0
	37	13-Sep	0	0	0.0	121	578	4.8	9,046	66,696	7.4	208	636	3	0	0	0.0
	Total		68	439	6.5	15,872	78,922	5.0	190,149	1,490,863	7.8	1,304,462	4,679,722	3.6	7,224	54,042	7.5

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## Appendix L1.–Page 3 of 11.

Section (stat area)	Statistical week	Week ending	Chinook			Sockeye			Coho			Pink			Chum		
			No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.
Kitoi Bay (252-32)	23	7-Jun	2	20	10.0	100	560	5.6	0	0	0.0	0	0	0.0	452	3,283	7.3
	24	14-Jun	5	26	5.2	1,242	6,748	5.4	0	0	0.0	31	100	3.2	2,558	17,791	7.0
	25	21-Jun	5	16	3.2	4,282	20,176	4.7	4	18	4.5	587	1,717	2.9	6,788	45,687	6.7
	26	28-Jun	5	38	7.6	1,337	6,655	5.0	0	0	0.0	21	69	3.3	2,111	15,081	7.1
	30	26-Jul	0	0	0.0	528	3,035	5.7	23	141	6.1	8,519	29,938	3.5	74	507	6.9
	31	2-Aug	0	0	0.0	6,714	35,897	5.3	38	210	5.5	167,678	624,151	3.7	537	3,613	6.7
	32	9-Aug	0	0	0.0	4,839	22,480	4.6	0	0	0.0	310,370	1,252,369	4.0	0	0	0.0
	33	16-Aug	0	0	0.0	5,872	26,829	4.6	657	4,118	6.3	490,550	1,909,303	3.9	90	632	7.0
	34	23-Aug	0	0	0.0	225	984	4.4	3,351	26,372	7.9	135,653	473,934	3.5	8	52	6.5
	35	30-Aug	0	0	0.0	98	481	4.9	3,173	29,289	9.2	1,892	6,752	3.6	4	23	5.8
	36	6-Sep	0	0	0.0	29	133	4.6	10,356	86,394	8.3	1,842	6,446	3.5	0	0	0.0
	37	13-Sep	0	0	0.0	3	15	5.0	2,495	23,875	9.6	68	273	4.0	0	0	0.0
	Total		17	100	5.9	25,269	123,993	4.9	20,097	170,417	8.5	1,117,211	4,305,052	3.9	12,622	86,669	6.9
Duck Bay (252-31 & 35)	23	7-Jun	0	0	0.0	2,457	10,278	4.2	0	0	0.0	64	156	2.4	145	971	6.7
	24	14-Jun	30	205	6.8	6,409	31,044	4.8	4	21	5.3	372	1,050	2.8	879	5,936	6.8
	25	21-Jun	3	23	7.7	3,484	16,619	4.8	12	72	6.0	837	2,408	2.9	2,721	19,490	7.2
	26	28-Jun	46	192	4.2	7,011	34,095	4.9	151	875	5.8	2,240	6,526	2.9	6,615	43,970	6.6
	27	5-Jul	4	14	3.5	454	2,488	5.5	24	171	7.1	147	419	2.9	575	3,511	6.1
	29	19-Jul	11	46	4.2	5,512	27,371	5.0	839	5,301	6.3	11,051	36,000	3.3	2,809	16,789	6.0
	30	26-Jul	33	480	14.5	13,433	68,454	5.1	3,103	20,890	6.7	373,511	1,213,636	3.2	5,207	34,939	6.7
	31	2-Aug	31	435	14.0	8,272	43,886	5.3	4,934	33,485	6.8	1,268,382	4,451,750	3.5	3,149	22,606	7.2
	32	9-Aug	17	176	10.4	3,196	16,987	5.3	5,142	34,173	6.6	1,114,172	4,117,587	3.7	1,619	11,599	7.2
	33	16-Aug	4	42	10.5	1,655	8,637	5.2	6,366	43,691	6.9	584,522	2,128,286	3.6	2,017	10,641	5.3
	Total		179	1,613	9.0	51,883	259,859	5.0	20,575	138,679	6.7	3,355,298	11,957,818	3.6	25,736	170,452	6.6

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Section	Statistical	Week	Chinook			Sockeye			Coho			Pink			Chum		
(stat area)	week	ending	No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.
S.E. Afognak (252-33 & 34)	23	7-Jun	1	5	5.0	3,869	16,507	4.3	0	0	0.0	14	36	2.6	25	187	7.5
	24	14-Jun	0	0	0.0	5,205	21,367	4.1	1	8	8.0	23	70	3.0	30	226	7.5
	25	21-Jun	0	0	0.0	1,618	6,737	4.2	0	0	0.0	18	54	3.0	20	121	6.1
	26	28-Jun	1	9	9.0	404	2,210	5.5	2	13	6.5	16	61	3.8	94	568	6.0
	27	5-Jul	0	0	0.0	280	1,403	5.0	2	15	7.5	169	507	3.0	162	1,144	7.1
	28	12-Jul	0	0	0.0	1,804	9,072	5.0	98	690	7.0	2,465	7,598	3.1	528	4,284	8.1
	29	19-Jul	0	0	0.0	1	5	5.0	0	0	0.0	15	45	3.0	4	21	5.3
	30	26-Jul	0	0	0.0	110	617	5.6	4	34	8.5	288	1,038	3.6	17	128	7.5
	31	2-Aug	0	0	0.0	249	1,265	5.1	186	1,312	7.1	124,645	459,409	3.7	117	773	6.6
	32	9-Aug	3	16	5.3	787	4,042	5.1	1,105	6,826	6.2	259,968	985,648	3.8	681	4,400	6.5
	33	16-Aug	1	13	13.0	98	538	5.5	335	2,400	7.2	26,325	106,620	4.1	34	278	8.2
	Total			6	43	7.2	14,425	63,763	4.4	1,733	11,298	6.5	413,946	1,561,086	3.8	1,712	12,130
Central, Terror Bay,	23	7-Jun	62	677	10.9	21,787	121,354	5.6	0	0	0.0	5	19	3.8	744	5,402	7.3
Inner Uganik, Spiridon,	24	14-Jun	246	2,133	8.7	89,790	471,053	5.2	5	29	5.8	365	1,298	3.6	5,209	37,023	7.1
Zachar, & Uyak combined	25	21-Jun	130	884	6.8	41,101	210,199	5.1	10	70	7.0	814	2,737	3.4	4,995	36,519	7.3
(253-11, 12, 13, 14, 31	26	28-Jun	358	2,545	7.1	43,125	242,625	5.6	41	280	6.8	1,227	4,909	4.0	9,378	75,388	8.0
32, 33, 34, 35, 254-10, 20,	27	5-Jul	152	1,215	8.0	75,771	410,070	5.4	340	2,195	6.5	13,424	45,919	3.4	11,492	95,206	8.3
21, 30, 31, 40, 41, 50)	28	12-Jul	135	1,016	7.5	64,254	335,839	5.2	1,041	6,861	6.6	16,972	60,172	3.5	5,246	42,864	8.2
	29	19-Jul	107	1,011	9.4	82,525	452,333	5.5	3,204	21,375	6.7	65,061	225,725	3.5	16,701	143,994	8.6
	30	26-Jul	183	1,418	7.7	95,745	524,200	5.5	4,948	36,125	7.3	167,023	598,744	3.6	15,440	117,304	7.6
	31	2-Aug	192	1,756	9.1	71,853	395,035	5.5	7,541	55,251	7.3	315,170	1,111,872	3.5	10,417	74,872	7.2
	32	9-Aug	151	1,344	8.9	48,316	270,056	5.6	10,019	74,044	7.4	332,154	1,172,795	3.5	11,657	96,685	8.3
	33	16-Aug	525	3,867	7.4	31,520	174,852	5.5	4,803	35,092	7.3	72,685	246,557	3.4	2,877	23,070	8.0
	35	30-Aug	89	733	8.2	215,741	1,182,055	5.5	23,544	197,557	8.4	28,216	104,605	3.7	2,070	15,414	7.4
	36	6-Sep	72	575	8.0	112,909	625,317	5.5	13,118	116,161	8.9	2,828	11,093	3.9	557	4,038	7.2
	37	13-Sep	18	204	11.3	63,966	355,278	5.6	5,179	45,769	8.8	405	1,370	3.4	131	848	6.5
	38	20-Sep	5	64	12.8	52,308	283,172	5.4	2,431	21,140	8.7	6	38	6.3	50	316	6.3
	39	27-Sep	0	0	0.0	2,401	9,731	4.1	135	942	7.0	0	0	0.0	4	14	3.5
Total			2,425	19,442	8.0	1,113,112	6,063,169	5.4	76,359	612,891	8.0	1,016,355	3,587,853	3.5	96,968	768,957	7.9

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Section (stat area)	Statistical week	Week ending	Chinook			Sockeye			Coho			Pink			Chum		
			No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.
North Cape, Anton	23	7-Jun	4	35	8.8	3,659	17,731	4.8	0	0	0.0	3	9	3.0	276	1,870	6.8
Larsen, Sheratin,	24	14-Jun	13	148	11.4	5,561	26,812	4.8	1	8	8.0	49	140	2.9	184	1,295	7.0
& Kizhuyak combined	25	21-Jun	5	93	18.6	2,228	10,845	4.9	0	0	0.0	39	112	2.9	149	1,245	8.4
(259-30, 31, 32, 33, 34, 35,	26	28-Jun	18	187	10.4	4,843	26,031	5.4	114	758	6.6	1,007	3,245	3.2	1,026	7,832	7.6
36, 37, 38, 39)	27	5-Jul	53	476	9.0	6,579	35,231	5.4	981	6,543	6.7	3,101	9,784	3.2	1,497	10,523	7.0
	28	12-Jul	59	317	5.4	11,085	62,282	5.6	3,126	20,027	6.4	24,108	80,450	3.3	9,175	71,204	7.8
	29	19-Jul	23	117	5.1	4,696	25,303	5.4	1,465	9,360	6.4	20,996	68,998	3.3	4,342	29,833	6.9
	30	26-Jul	4	87	21.8	1,185	6,715	5.7	183	1,384	7.6	5,840	23,398	4.0	1,014	8,226	8.1
	31	2-Aug	2	20	10.0	1,630	8,578	5.3	1,020	7,777	7.6	45,114	176,618	3.9	3,261	24,402	7.5
	32	9-Aug	8	95	11.9	2,152	9,786	4.5	3,145	17,570	5.6	223,783	808,638	3.6	3,986	26,743	6.7
	33	16-Aug	1	11	11.0	571	2,830	5.0	2,374	13,973	5.9	44,988	172,384	3.8	1,785	12,900	7.2
	35	30-Aug	0	0	0.0	411	2,193	5.3	1,217	8,815	7.2	1,770	6,281	3.5	295	2,070	7.0
	36	6-Sep	0	0	0.0	468	2,487	5.3	1,011	9,330	9.2	146	569	3.9	115	818	7.1
	37	13-Sep	0	0	0.0	3	18	6.0	106	917	8.7	3	11	3.7	6	43	7.2
	Total		190	1,586	8.3	45,071	236,842	5.3	14,743	96,462	6.5	370,947	1,350,637	3.6	27,111	199,004	7.3
Inner Karluk (255-10)	35	30-Aug	0	0	0.0	8,279	43,684	5.3	1,191	10,617	8.9	254	868	3.4	29	238	8.2
	36	6-Sep	3	27	9.0	103,885	543,446	5.2	9,259	84,577	9.1	2,038	6,693	3.3	69	540	7.8
	37	13-Sep	3	36	12.0	45,998	242,598	5.3	3,400	31,852	9.4	25	95	3.8	44	331	7.5
	38	20-Sep	0	0	0.0	44,018	227,480	5.2	2,431	20,364	8.4	2	6	3.0	101	670	6.6
	39	27-Sep	0	0	0.0	62,224	315,173	5.1	798	6,961	8.7	1	4	4.0	24	153	6.4
	40	4-Oct	0	0	0.0	3,186	15,898	5.0	27	270	10.0	0	0	0.0	0	0	0.0
	Total		6	63	10.5	267,590	1,388,279	5.2	17,106	154,641	9.0	2,320	7,666	3.3	267	1,932	7.2

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Section (stat area)	Statistical week	Week ending	Chinook			Sockeye			Coho			Pink			Chum		
			No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.
Outer Karluk (255-20)	23	7-Jun	6	67	11.2	7,980	36,581	4.6	0	0	0.0	9	26	2.9	207	1,351	6.5
	24	14-Jun	2	25	12.5	18,677	96,572	5.2	0	0	0.0	71	208	2.9	1,206	8,678	7.2
	25	21-Jun	38	220	5.8	11,577	57,869	5.0	2	10	5.0	227	691	3.0	704	5,043	7.2
	26	28-Jun	178	1,020	5.7	13,875	64,899	4.7	4	22	5.5	413	1,283	3.1	955	7,312	7.7
	27	5-Jul	57	333	5.8	19,766	95,753	4.8	119	815	6.8	6,895	21,666	3.1	1,311	9,906	7.6
	28	12-Jul	213	1,221	5.7	33,995	165,035	4.9	127	795	6.3	7,435	23,674	3.2	948	7,462	7.9
	29	19-Jul	25	158	6.3	3,846	20,361	5.3	59	401	6.8	11,304	35,235	3.1	371	1,700	4.6
	30	26-Jul	38	286	7.5	10,831	54,305	5.0	717	5,816	8.1	31,124	113,392	3.6	629	5,567	8.9
	31	2-Aug	151	962	6.4	7,912	39,864	5.0	2,569	16,894	6.6	24,526	78,557	3.2	331	2,882	8.7
	32	9-Aug	513	2,964	5.8	29,794	148,875	5.0	12,016	74,632	6.2	233,619	774,586	3.3	3,980	33,810	8.5
	33	16-Aug	288	1,941	6.7	26,122	125,551	4.8	2,094	15,583	7.4	21,158	75,034	3.5	522	4,340	8.3
	35	30-Aug	65	234	3.6	63,900	310,976	4.9	8,992	77,238	8.6	2,622	9,219	3.5	254	1,968	7.7
	36	6-Sep	41	143	3.5	72,036	373,657	5.2	5,749	52,084	9.1	459	1,679	3.7	78	577	7.4
	37	13-Sep	0	0	0.0	79,302	417,728	5.3	4,574	40,974	9.0	128	450	3.5	95	688	7.2
	38	20-Sep	1	7	7.0	37,889	189,965	5.0	1,640	13,719	8.4	4	15	3.8	37	247	6.7
	Total		1,616	9,581	5.9	437,502	2,197,991	5.0	38,662	298,983	7.7	339,994	1,135,715	3.3	11,628	91,531	7.9
Halibut Bay (256-25 & 30)	26	28-Jun	24	93	3.9	4,277	18,799	4.4	4	23	5.8	100	293	2.9	192	1,408	7.3
	29	19-Jul	104	476	4.6	20,986	96,395	4.6	1,229	6,725	5.5	25,465	86,028	3.4	282	2,288	8.1
	30	26-Jul	115	781	6.8	34,785	167,020	4.8	2,229	15,743	7.1	146,965	469,629	3.2	1,219	9,511	7.8
	31	2-Aug	118	855	7.2	12,415	63,150	5.1	1,443	10,480	7.3	92,877	310,456	3.3	507	4,078	8.0
	33	16-Aug	16	122	7.6	14,998	72,018	4.8	675	5,517	8.2	19,014	64,853	3.4	197	1,609	8.2
	35	30-Aug	2	26	13.0	15,383	68,837	4.5	2,931	26,249	9.0	2,349	7,438	3.2	188	1,223	6.5
	36	6-Sep	18	168	9.3	15,374	89,313	5.8	1,269	12,246	9.7	253	822	3.2	35	270	7.7
	37	13-Sep	0	0	0.0	298	1,492	5.0	109	1,010	9.3	0	0	0.0	0	0	0.0
	Total		397	2,521	6.4	118,516	577,024	4.9	9,889	77,993	7.9	287,023	939,519	3.3	2,620	20,387	7.8

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Section (stat area)	Statistical week	Week ending	Chinook			Sockeye			Coho			Pink			Chum		
			No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.
Inner & Outer Ayakulik (256-10, 15, 20)	23	7-Jun	8	72	9.0	54,228	271,493	5.0	0	0	0.0	17	55	3.2	137	1,034	7.5
	24	14-Jun	9	88	9.8	62,684	297,462	4.7	252	1,259	5.0	206	648	3.1	571	4,433	7.8
	25	21-Jun	4	41	10.3	10,597	57,571	5.4	2	15	7.5	340	756	2.2	264	1,894	7.2
	26	28-Jun	48	279	5.8	31,198	147,640	4.7	29	176	6.1	690	2,273	3.3	768	6,093	7.9
	29	19-Jul	2	23	11.5	96,262	498,175	5.2	782	5,658	7.2	60,243	188,848	3.1	1,034	7,663	7.4
	30	26-Jul	5	62	12.4	23,172	111,036	4.8	518	3,331	6.4	121,814	400,890	3.3	573	4,006	7.0
	31	2-Aug	5	35	7.0	11,475	56,577	4.9	286	2,039	7.1	96,097	340,934	3.5	264	1,948	7.4
	35	30-Aug	0	0	0.0	2,795	13,686	4.9	1,068	8,900	8.3	989	3,252	3.3	5	35	7.0
Total			81	600	7.4	292,411	1,453,640	5.0	2,937	21,378	7.3	280,396	937,656	3.3	3,616	27,106	7.5
Sturgeon (256-40)	32	9-Aug	53	292	5.5	4,865	24,199	5.0	622	5,090	8.2	26,113	101,642	3.9	160	1,321	8.3
	33	16-Aug	0	0	0.0	549	2,747	5.0	85	686	8.1	759	2,658	3.5	7	72	10.3
	35	30-Aug	0	0	0.0	2,173	10,316	4.7	580	5,096	8.8	213	685	3.2	50	410	8.2
	Total		53	292	5.5	7,587	37,262	4.9	1,287	10,872	8.4	27,085	104,985	3.9	217	1,803	8.3
Cape Alitak (257-10 & 20)	27	5-Jul	30	224	7.5	16,304	81,083	5.0	82	553	6.7	6,984	21,240	3.0	537	4,262	7.9
	28	12-Jul	9	106	11.8	32,025	174,082	5.4	721	5,408	7.5	27,483	82,168	3.0	1,790	13,441	7.5
	29	19-Jul	48	732	15.3	21,065	118,856	5.6	275	1,875	6.8	56,043	170,829	3.0	1,189	9,092	7.6
	30	26-Jul	12	128	10.7	2,762	13,848	5.0	65	518	8.0	42,977	130,630	3.0	303	2,385	7.9
	31	2-Aug	5	30	6.0	927	4,152	4.5	42	277	6.6	8,244	26,887	3.3	77	612	7.9
	35	30-Aug	8	84	10.5	520	2,838	5.5	663	5,638	8.5	63	223	3.5	24	191	8.0
	Total		112	1,304	11.6	73,603	394,859	5.4	1,848	14,269	7.7	141,794	431,977	3.0	3,920	29,983	7.6

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Section (stat area)	Statistical week	Week ending	Chinook			Sockeye			Coho			Pink			Chum		
			No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.
Moser/Olga Bay & Dog Salmon Flats (257-30, 31, 40, 41, 42, 43)	26	28-Jun	0	0	0.0	23,462	113,333	4.8	0	0	0.0	1	3	3.0	511	4,509	8.8
	27	5-Jul	0	0	0.0	27,830	137,843	5.0	5	29	5.8	405	1,508	3.7	377	3,060	8.1
	28	12-Jul	0	0	0.0	19,687	101,068	5.1	12	84	7.0	1,124	4,145	3.7	785	6,959	8.9
	29	19-Jul	0	0	0.0	27,615	142,557	5.2	30	247	8.2	5,037	19,088	3.8	1,186	10,362	8.7
	30	26-Jul	0	0	0.0	16,986	90,739	5.3	76	641	8.4	20,182	75,836	3.8	782	6,683	8.5
	31	2-Aug	0	0	0.0	10,974	58,876	5.4	61	495	8.1	35,647	133,167	3.7	859	5,541	6.5
	35	30-Aug	9	54	6.0	4,904	26,976	5.5	734	6,186	8.4	137	539	3.9	128	1,019	8.0
	36	6-Sep	0	0	0.0	1,624	8,914	5.5	282	2,644	9.4	13	51	3.9	26	204	7.8
	Total		9	54	6.0	133,082	680,306	5.1	1,200	10,326	8.6	62,546	234,337	3.7	4,654	38,337	8.2
Humpty/Deadman (257-50, 60, 70)	27	5-Jul	10	71	7.1	10,061	49,186	4.9	25	160	6.4	8,959	26,900	3.0	421	3,360	8.0
	28	12-Jul	33	247	7.5	10,444	58,583	5.6	157	950	6.1	12,720	38,177	3.0	646	4,088	6.3
	29	19-Jul	5	61	12.2	11,897	61,310	5.2	111	756	6.8	111,045	345,618	3.1	1,099	9,157	8.3
	30	26-Jul	24	322	13.4	11,508	53,668	4.7	257	1,695	6.6	251,594	794,839	3.2	2,231	17,590	7.9
	31	2-Aug	1	8	8.0	939	4,053	4.3	44	310	7.0	67,890	205,520	3.0	293	2,167	7.4
	32	9-Aug	0	0	0.0	10	51	5.1	3	22	7.3	3,660	12,194	3.3	84	709	8.4
	33	16-Aug	0	0	0.0	163	905	5.6	15	117	7.8	1,395	4,887	3.5	147	1,179	8.0
	35	30-Aug	0	0	0.0	2,810	14,755	5.3	600	5,674	9.5	186	681	3.7	106	825	7.8
	Total		73	709	9.7	47,832	242,511	5.1	1,212	9,684	8.0	457,449	1,428,816	3.1	5,027	39,075	7.8

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Section (stat area)	Statistical week	Week ending	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)	25	21-Jun	20	165	8.3	1,387	7,292	5.3	5	27	5.4	339	974	2.9	743	5,504	7.4
	28	12-Jul	121	906	7.5	5,112	27,593	5.4	1,676	10,609	6.3	3,755	10,951	2.9	3,693	26,067	7.1
	29	19-Jul	0	0	0.0	511	2,361	4.6	131	915	7.0	2,288	7,007	3.1	138	1,100	8.0
	30	26-Jul	0	0	0.0	1,524	7,292	4.8	29	197	6.8	107,104	334,980	3.1	1,227	11,641	9.5
	31	2-Aug	4	54	13.5	893	3,886	4.4	167	1,165	7.0	95,342	288,992	3.0	1,386	9,222	6.7
	Total		145	1,125	7.8	9,427	48,424	5.1	2,008	12,913	6.4	208,828	642,904	3.1	7,187	53,534	7.4
Two-Headed (258-54, 55, 60)	24	14-Jun	15	74	4.9	1,904	8,786	4.6	0	0	0.0	159	481	3.0	815	5,821	7.1
	25	21-Jun	0	0	0.0	2,712	13,364	4.9	1	8	8.0	280	853	3.0	923	6,492	7.0
	28	12-Jul	311	1,928	6.2	13,378	70,721	5.3	2,714	18,792	6.9	7,899	24,037	3.0	4,004	30,810	7.7
	29	19-Jul	8	89	11.1	1,732	11,040	6.4	350	2,359	6.7	1,753	5,362	3.1	313	2,380	7.6
	30	26-Jul	0	0	0.0	36	184	5.1	4	28	7.0	2,478	8,818	3.6	471	5,502	11.7
	31	2-Aug	0	0	0.0	84	445	5.3	10	99	9.9	1,156	2,659	2.3	67	642	9.6
	Total		334	2,091	6.3	19,846	104,540	5.3	3,079	21,286	6.9	13,725	42,210	3.1	6,593	51,647	7.8
Sitkalidak (258-10, 20, 30, 40, 51, 52, 53)	24	14-Jun	3	15	5.0	3,654	19,782	5.4	4	25	6.3	361	1,156	3.2	1,427	9,373	6.6
	25	21-Jun	28	95	3.4	9,418	47,461	5.0	52	336	6.5	981	3,049	3.1	3,618	24,850	6.9
	26	28-Jun	2	8	4.0	1,821	8,009	4.4	20	114	5.7	210	659	3.1	541	3,434	6.3
	28	12-Jul	816	4,825	5.9	43,810	238,069	5.4	12,993	81,960	6.3	32,262	105,216	3.3	23,042	173,419	7.5
	29	19-Jul	411	2,749	6.7	8,482	43,232	5.1	1,829	12,642	6.9	15,595	46,953	3.0	3,907	27,549	7.1
	30	26-Jul	10	143	14.3	3,295	18,065	5.5	928	6,210	6.7	29,818	95,094	3.2	1,671	12,181	7.3
	31	2-Aug	43	915	21.3	1,049	5,739	5.5	145	1,018	7.0	17,872	59,359	3.3	6,207	53,481	8.6
	35	30-Aug	0	0	0.0	0	0	0.0	187	1,267	6.8	0	0	0.0	3,946	31,996	8.1
	36	6-Sep	0	0	0.0	2	10	5.0	1,024	8,710	8.5	1	2	2.0	3,559	24,914	7.0
	Total		1,313	8,750	6.7	71,531	380,367	5.3	17,182	112,282	6.5	97,100	311,488	3.2	47,918	361,197	7.5

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Section (stat area)	Statistical week	Week ending	Chinook			Sockeye			Coho			Pink			Chum		
			No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.
Hallo Bay (262-20)	31	2-Aug	0	0	0.0	185	1,111	6.0	12	90	7.5	726	2,396	3.3	245	2,110	8.6
	Total		0	0	0.0	185	1,111	6.0	12	90	7.5	726	2,396	3.3	245	2,110	8.6
Kukak Bay	25	21-Jun	0	0	0.0	207	932	4.5	1	8	8.0	10	33	3.3	32	261	8.2
(262-25, 27, 30)	26	28-Jun	0	0	0.0	42	216	5.1	0	0	0.0	4	15	3.8	44	361	8.2
	28	12-Jul	0	0	0.0	46	376	8.2	0	0	0.0	22	94	4.3	3	29	9.7
	29	19-Jul	2	36	18.0	5,360	28,653	5.3	161	1,067	6.6	2,448	8,963	3.7	734	4,945	6.7
	Total		2	36	18.0	5,655	30,177	5.3	162	1,075	6.6	2,484	9,105	3.7	813	5,596	6.9
Dakavak	28	12-Jul	76	510	6.7	23,648	131,577	5.6	308	2,023	6.6	9,250	31,197	3.4	1,768	14,357	8.1
(262-35, 40, 45, 50, 55)	29	19-Jul	41	358	8.7	35,990	186,549	5.2	1,384	8,392	6.1	19,578	63,488	3.2	3,884	27,909	7.2
	30	26-Jul	24	233	9.7	23,372	126,986	5.4	1,014	7,455	7.4	14,611	47,189	3.2	1,319	11,004	8.3
	31	2-Aug	170	2,131	12.5	91,976	449,853	4.9	6,840	41,768	6.1	48,542	157,491	3.2	5,491	41,644	7.6
	32	9-Aug	13	143	11.0	5,626	30,043	5.3	863	5,985	6.9	8,953	30,866	3.4	1,637	12,908	7.9
	Total		324	3,375	10.4	180,612	925,008	5.1	10,409	65,623	6.3	100,934	330,231	3.3	14,099	107,822	7.6
Katmai	28	12-Jul	9	42	4.7	2,552	17,034	6.7	68	481	7.1	1,235	4,367	3.5	229	1,984	8.7
(262-60)	29	19-Jul	1	9	9.0	8,517	50,318	5.9	134	864	6.4	4,429	15,124	3.4	581	4,354	7.5
	30	26-Jul	42	582	13.9	41,532	252,700	6.1	2,092	15,694	7.5	13,740	48,185	3.5	1,681	13,828	8.2
	31	2-Aug	5	76	15.2	259	1,422	5.5	43	341	7.9	600	1,500	2.5	33	229	6.9
	Total		57	709	12.4	52,860	321,474	6.1	2,337	17,380	7.4	20,004	69,176	3.5	2,524	20,395	8.1

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Section (stat area)	Statistical week	Week ending	Chinook			Sockeye			Coho			Pink			Chum		
			No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.
Alinchak (262-65, 70)	28	12-Jul	5	28	5.6	1,589	7,371	4.6	70	535	7.6	820	2,589	3.2	284	2,032	7.2
	29	19-Jul	0	0	0.0	273	1,638	6.0	7	50	7.1	173	569	3.3	20	168	8.4
	32	9-Aug	0	0	0.0	29	176	6.1	0	0	0.0	524	1,730	3.3	4,459	40,132	9.0
	Total		5	28	5.6	1,891	9,185	4.9	77	585	7.6	1,517	4,888	3.2	4,763	42,332	8.9
Cape Igvak (262-75, 80, 90, 95)	31	2-Aug	34	297	8.7	2,477	14,985	6.0	840	6,497	7.7	7,196	25,227	3.5	1,949	18,324	9.4
	Total		34	297	8.7	2,477	14,985	6.0	840	6,497	7.7	7,196	25,227	3.5	1,949	18,324	9.4
Wide Bay (262-85)			0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
	Total		0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Grand Total			8,382	61,179	7.3	3,259,037	17,019,963	5.2	472,035	3,655,082	7.7	10,674,898	37,421,575	3.5	336,572	2,555,553	7.6

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

## **APPENDIX M. ESCAPEMENT DATA**

Appendix M1.–Peak salmon escapements in the Kodiak Management Area, by district and species, 2014.

District	Number of fish				
	Chinook	Sockeye	Coho	Pink	Chum
Afognak	1	59,087	18,768	257,925	48
Northwest Kodiak	0	19,800	0	357,800	53,500
Southwest Kodiak	2,099	1,093,277	27,458	1,160,942	1,327
Alitak	39	419,030	12,188	491,533	18,005
Eastside Kodiak	0	32,379	5,339	319,164	57,902
Northeast Kodiak	0	14,901	17,198	145,918	7,707
Mainland	0	3,100	3,900	254,650	107,431
Area Total	2,139	1,641,574	84,851	2,987,932	245,920