

Kodiak Management Area Commercial Salmon Fishery Annual Management Report, 2015

by

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

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ANNUAL MANAGEMENT REPORT, 2015**

by
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ABSTRACT

This report provides an overview of the 2015 Kodiak Management Area (KMA) salmon resources and stock status, as well as 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 and Kodiak Archipelago pink salmon *O. gorbuscha* and chum salmon *O. keta* escapement goals were met or exceeded in 2015. The Chinook salmon *O. tshawytscha* escapement goal was not achieved in both the Karluk and Ayakulik rivers. Coho salmon *O. kisutch* escapement goals were achieved in the Buskin, American, Olds and Pasagshak rivers.

The 2015 KMA commercial salmon fishery began on June 3, with the last reported landing on September 29. A total of 336 permits were fished, consisting of 181 purse seine permits, 154 set gillnet permits, and 1 beach seine permit. 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 8,087 Chinook, 3,097,344 sockeye, 396,145 coho, 33,024,992 pink, and 770,539 chum salmon. Commercial harvests were higher than projected for coho, pink and chum, but below the projected harvest for Chinook and sockeye salmon. The exvessel value for salmon harvested by all gear types totaled approximately \$34 million.

Commercially harvested salmon that were reported as retained for personal use, but not sold, totaled 9,823 salmon in the KMA, consisting of 293 Chinook, 3,231 sockeye, 1,551 coho, 4,008 pink, and 740 chum salmon.

Harvest data from subsistence permits issued in 2015 have not been summarized.

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 2015 commercial salmon fishing season. A summary is also provided of the 2015 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 2015 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 *In prep*).

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 2015a). 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, at 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 2015b).

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 (2005–2014) average supplemental production has included an undetermined number of Chinook salmon and an estimated 305,451 sockeye, 124,285 coho, 6,283,584 pink, and 154,189 chum salmon (Table 2).

In 2015, 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 2015 in Little Kitoi Lake for

broodstock development. Coho salmon were outstocked into Crescent Lake near the community of Port Lions and Katmai Lake on Spruce Island near the community of Ouzinkie to provide subsistence and commercial harvest opportunities (unpublished Kodiak Regional Aquaculture 2015a and 2015b).

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 1 goal, and eliminated 1 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 2015, 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 2015 salmon peak escapements and escapement goals of index streams are outlined in Table 3.

ESCAPEMENT MONITORING

In 2015, weirs were operated on the major systems of the KMA (Table 4; Figure 2; Fuerst *In prep*). 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 at 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 *In prep*). The availability of these data allowed for inseason stock-specific management. The remaining KMA sockeye salmon systems were monitored by aerial observation using small fixed-wing aircraft.

Most pink, chum, and coho salmon escapement estimates were 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 *In prep*).

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. Additionally, for the 2014–2016 salmon seasons the Board of Fisheries has mandated non-retention of Chinook salmon 28 inches or greater in length for the entire KMA from June 1 through July 5.

In 2015, 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 2015 salmon fishing season.

The 2015 Karluk River Chinook salmon season total weir count of 2,777 fish (Table 4; Fuerst *In prep*) was below the escapement goal range of 3,000–6,000 fish (Table 3; Sagalkin et al. 2013). The inriver Chinook salmon sport fishery was closed on the Karluk River for the entire 2015 season; therefore the estimated total escapement is the same as the weir count.

In 2015, a total of 2,392 Chinook salmon were counted through the Ayakulik River weir (Table 4; Fuerst *In prep*). An inriver sport fishery targeting Chinook salmon was allowed beginning June 1 but due to low escapement the Chinook sport fishery was closed on June 19. The sport fishery harvest of 0 Chinook salmon upstream of the weir resulted in an estimated escapement of 2,392 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 81 were counted through the Dog Salmon weir in 2015 (Table 4; Fuerst *In prep*). There is no escapement goal established for this system, but the average total season cumulative weir count in the previous decade (2005–2014) was 166 fish (Fuerst *In prep*). No sport fishery is allowed for Chinook salmon on Dog Salmon Creek, so the escapement is considered to be the total season cumulative weir count.

Sockeye Salmon

Sockeye salmon counted through weirs accounted for about 95% (1,441,035 fish) of all documented sockeye salmon escapements in 2015. Additional escapements of 37,362 sockeye

salmon were estimated by aerial and foot surveys in other systems such as Malina Creek, Ocean Beach, Kafia Lake, Uganik Lake, Little River Lake, Thorshiem Lake, Pauls Lake, and Swikshak Lagoon (Fuerst *In prep*). Sockeye salmon escapements 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 2015, coho salmon escapement goals were achieved in the American, Olds, Pasagshak, and Buskin rivers (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 23% of the 2015 KMA pink salmon escapement was counted through salmon weirs (Tables 4 and 5). The 2015 pink salmon escapement of 5,614,531 fish in the Kodiak Island Archipelago was within 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 754,600 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 2015 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 2015 chum salmon escapement in the Mainland District was 133,200 fish, which met the escapement goal of 104,000 fish (Table 3; Sagalkin et al. 2013). The chum salmon escapement for the Kodiak Archipelago of 308,376 fish met the escapement 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 2015, there were 591 commercial salmon fishing permits available in the KMA, of which 336 were fished (Table 7; Commercial Fisheries Entry Commission [CFEC] 2015). This was above the recent 10-year average (2005–2014) of 310 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 (Jackson 2015).

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 2015 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, Chinook 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 (Jackson 2015). 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 2015).

The 2015 commercial Chinook salmon projected harvest was 15,000 fish (Table 9). The sockeye salmon harvest was forecasted to be 3,494,116 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 2015 projected KMA harvest also included 330,889 coho, 14,298,094 pink, and 707,416 chum salmon (Table 9). These projections included expected supplemental production of salmon from Kitoi Bay hatchery and the Spiridon Bay enhancement projects.

2015 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 2015 Kodiak Area Commercial Salmon Fishery Harvest Strategy, published in March 2015, outlined the approaching fishing season (Jackson 2015). This document contained a synopsis of the expected chronology of the 2015 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

The 2015 harvest strategy listed June 9 as the initial opening date of the early-run sockeye salmon fishery, although the fishery may open as early as June 1 if Karluk River escapement is strong (Figure 3; Jackson 2015). 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 sockeye salmon forecasts for both early-run Upper Station and Dog Salmon Creek. 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 Bay, 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 2015) 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 Sallery, Ocean Beach, Thorsheim, Long Lagoon, Swikshak, and Kafia 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 (Jackson 2015). Based on the forecasted pink salmon run strength, the initial pink salmon opening was set at 57 hours in length, with the 3 subsequent fishing periods following in July and August also set at 57 hours per week. Adjustments in fishing time in late July and August in most areas were determined by

the run strength of local pink and chum salmon runs and on the strength of coho salmon runs in September.

2015 COMMERCIAL SALMON FISHERY SUMMARY

The 2015 Kodiak commercial salmon fishery began on June 3 with a 57-hour fishing period in the majority of the Northwest Kodiak District and the Southeast Afognak Section of the Afognak 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). Throughout June, the Chignik sockeye salmon early run appeared to be weaker than forecast and no fishing time was allowed in the Cape Igvak Section prior to the transition period. The initial 57-hour fishing period in the Outer Karluk Section was allowed on June 15 and remained open continuously through July 8. The initial fishing period in the Inner and Outer Ayakulik sections was allowed on June 15 for 57 hours and the Outer Ayakulik Section was eventually extended through June 22. A subsequent fishing period for the Outer Ayakulik Section was announced for June 27 and remained open through July 1. The two 33-hour openings scheduled for June 14 and 21 in the Eastside Kodiak District and the Outer Kukak Bay and Big River sections of the Mainland District occurred as scheduled.

The pink salmon fishery started as scheduled with a 57-hour weekly fishing period on July 6. Subsequent fishing periods in July were extended beyond the 57-hour periods prescribed in the preseason schedule when it became apparent that the pink salmon run was likely stronger than forecasted. The magnitude of the Chignik-bound sockeye salmon run was determined to be sufficient to warrant liberal fishing periods within the Cape Igvak Section from July 15 to July 25.

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 2015, the KMA commercial salmon harvest occurred over a 119-day period, with the last reported landing occurring on September 29 (Figure 3). A total of 19 buyer/locations purchased salmon within the KMA in 2015 (Table 10).

PERMIT HOLDER PARTICIPATION

A total of 336 KMA commercial salmon fishing permit holders reported harvests in the common property fishery in 2015. This was 2 more permits than during the 2014 season and above the recent 10-year average (2005–2014) of 310 permits (Table 7). Purse seine participation during the 2015 season (181 permits) was 4 permits less than the 2014 season (185 permits) and above the previous 10-year average of 154 permits. Only 1 beach seine permit holder was active during the 2015 season. Set gillnet participation in the 2015 KMA commercial salmon fishing season was made up of 154 permits, 8 more than the 2014 season, and was similar to the recent 10-year average (2005–2014) of 153 permits (Table 7).

Set gillnet permit participation statistics from 2008 through 2010 are not comparable to the years 2011–2015 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 37,297,107 salmon were harvested in the 2015 KMA commercial fisheries (common property and cost recovery combined), which was well above the recent 10-year (2005–2014) average of 23,745,838 salmon (Table 6).

Purse/beach seine permit holders caught 93.4% (32,084,487 fish) of the total number of salmon harvested, which included 6,618 Chinook, 2,444,950 sockeye, 280,415 coho, 28,813,847 pink, and 538,657 chum salmon in the common property fishery (Table 11). Set gillnet permit holders caught 6.6% (2,269,176 fish) of the salmon harvested, which included 1,469 Chinook, 608,827 sockeye, 111,986 coho, 1,316,847 pink, and 230,047 chum salmon in the common property fishery (Table 11).

CHINOOK SALMON

The Chinook salmon harvest of 8,087 fish was below the 2005–2014 average of 16,651 fish (Table 6) and below the projected harvest of 15,000 fish (Table 9). The average weight of Chinook salmon sold in the common property fishery was 9.11 pounds (Table 11). The harvest of Chinook salmon was evenly distributed across districts within the KMA (except the Mainland and Northeast Kodiak districts) with the harvest of Chinook salmon ranging from 3,162 fish in the Northwest Kodiak District to a low of 224 fish in the Northeast Kodiak District.

SOCKEYE SALMON

The sockeye salmon harvest of 3,097,344 fish (Table 6) was below the forecast of 3,494,116 fish (Table 9) and above the 2005–2014 average catch of 2,195,819 fish (Table 6). The average weight of sockeye salmon sold in the common property fishery was 4.86 pounds (Table 11). Approximately 43% of the sockeye salmon harvest (1,358,896 fish) came from the Westside Kodiak fishery¹. The area near the Kitoi Bay Hatchery accounted for a harvest of 26,217 fish, although an unknown portion of these fish were likely not of hatchery origin. The Spiridon Lake enhancement project produced an estimated harvest of 237,994 sockeye salmon, of which 23% (62,213 fish) were harvested for cost recovery (Table 9).

COHO SALMON

The coho salmon harvest of 396,145 fish (Table 6) was above the forecast of 330,889 fish (Table 9) and also above the 2005–2014 average of 329,941 fish (Table 6). The average weight of coho salmon sold in the common property fishery was 6.23 pounds (Table 11). Westside fisheries (excluding the Southwest Afognak Section) harvested approximately 194,559 coho salmon, which was above the forecast of 89,215 fish (Table 9). The Eastside/Northend Kodiak coho salmon harvest² of 74,235 fish was above the forecast of 48,086 fish (Table 9). The Afognak non-hatchery harvest of 28,487 coho salmon was above the forecast of 22,930 fish

¹ 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.

² 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 Bay, Sharatin Bay, and Kizhuyak sections, plus part of the Central Section (259-35–259-39).

(Table 9). The coho salmon harvest attributed to the Kitoi Bay Hatchery was 49,307 fish, which was well below the hatchery forecast of 153,000 fish (Table 9).

PINK SALMON

The pink salmon harvest of 33,024,992 fish (Table 6) was well above the harvest forecast of 14,298,093 fish (Table 9) and above the most recent 5 odd-year (2005–2013) average of 25,486,431 fish (Table 6). The average pink salmon weight of 3.34 pounds (Table 11) was less than the 2014 average weight of 3.47 pounds. The non-hatchery (wild stock) pink salmon harvest of 28,069,069 fish was well above the harvest projection of 6,933,093 fish. The Westside Kodiak fisheries harvest of 10,450,072 fish accounted for approximately 37% of the total wild KMA pink salmon harvest, and was well above the Westside Kodiak forecast of 2,531,966 fish (Table 9). All wild-stock pink salmon harvests were well above the projected harvests in the 2015 season. The fishery associated with the Kitoi Bay Hatchery accounted for 4,955,923 pink salmon, which was well below the forecast of 7,365,000 fish (Table 9). Kitoi Bay Hatchery cost recovery fishery accounted for 58%, or 2,889,304, 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 770,539 fish (Table 6) was slightly above the forecast of 707,415 fish (Table 9) and similar to the 2005–2014 average of 770,718 fish (Table 6). The average weight of the chum salmon harvested in the common property fishery was 7.06 pounds (Table 11). Westside Kodiak fisheries harvested 351,532 chum salmon, which was well above the forecast of 174,818 fish (Table 9), and the Eastside/Northend Kodiak fishery harvest total of 238,273 chum salmon was above the forecast of 204,857 fish. The Mainland District harvest total of 31,085 chum salmon was well below the forecast of 93,497 fish (Table 9). The chum salmon harvest attributed to the Kitoi Bay Hatchery of 54,607 fish was well below the forecast of 171,000 fish (Table 9).

EXVESSEL VALUE

The estimated total exvessel value of the 2015 fishery was \$34,381,769 (Table 11), which was below the 2005–2014 average exvessel value of \$35,227,082 (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.

Seine permit holders' gross earnings averaged \$163,566 in 2015 (2005–2014 average \$180,889; Table 12). Gillnet permit holders' gross earnings averaged \$29,953 (2005–2014 average \$42,977; Table 12) while the beach seine permit holders' earnings estimate is confidential due to only a single permit active in 2015.

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 2015. In 2015, KRAA conducted 2 cost-recovery programs in the KMA (KRAA 2015a; KRAA 2015b). A cost-recovery harvest occurred July 31 through August 25 within the Inner Kitoi Bay Section and included 9,229 sockeye, 3,744

coho, 2,889,304 pink, and 1,651 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 30 through July 20, 34,338 sockeye, 4,994 pink, and 184 chum salmon were harvested in this program. The entire cost-recovery harvest supporting KRAA programs in the KMA in 2015 included 43,567 sockeye, 3,744 coho, 2,894,298 pink, and 1,835 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 2015 Afognak Lake sockeye salmon run was strong and closed waters were reduced on June 14 to allow for more effective subsistence and commercial harvests and prevent over-escapement of sockeye salmon into Afognak Lake.

The 2015 Chinook salmon run to the Ayakulik and Karluk rivers were both weak, necessitating closure of the Chinook salmon subsistence fishery. On June 17 and 19, the Karluk River drainage, including the Karluk Lagoon, and the Ayakulik River drainage closed respectively, to subsistence fishing for Chinook salmon to conserve fish for spawning escapement.

The 2015 subsistence harvest data were not summarized at the time this report was written. However in 2014, 1,665 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 2015, 70 permit holders reported retaining 9,823 salmon from their commercial harvest for “home pack” or personal use. This included 293 Chinook, 3,231 sockeye, 1,551 coho, 4,008 pink, and 740 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 ^a	Number of streams with each species ^b				
		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

^a 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.

^b 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, 1994–2015.

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
2015	308,948	49,556	4,957,615	55,266	5,371,385
<u>Average</u>					
2005–2014	305,451	124,285	6,283,584	154,189	6,867,509

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 2015 salmon peak escapements and escapement goals of index streams or districts, by species, in the Kodiak Management Area.

Species		Stream	Escapement goal		Escapement
	System (or group of systems)	number	Lower	Upper	estimate ^a
Chinook					
	Karluk ^b	255-101	3,000	6,000	2,777
	Ayakulik ^b	256-201	4,000	7,000	2,392
Sockeye					
	Malina	251-105	1,000	10,000	1,000
	Afognak	252-342	20,000	50,000	36,780
	Uganik	253-122	24,000		9,000
	Karluk	255-101			
	Early run		110,000	250,000	233,036
	Late run		170,000	380,000	396,618
	Ayakulik	256-201			
	Early run		140,000	280,000	218,178
	Late run		60,000	120,000	108,257
	Upper Station	257-304			
	Early run ^c		30,000	93,000	54,473
	Late run		120,000	265,000	132,864
	Frazer	257-403	75,000	170,000	219,093
	Buskin	259-211	5,000	8,000	8,719
	Pasagshak	259-411	3,000		2,077
	Saltery	259-415	15,000	35,000	42,468
	Coho				
Buskin		259-211	4,700	9,600	4,341
American		259-231	400		530
Olds (Sid Olds)		259-242	1,000		1,357
Pasagshak		259-411	1,200		1,790
Pink					
	Mainland District		250,000	1,000,000	754,600
	Kodiak Archipelago		3,000,000	7,000,000	5,614,531
Chum					
	Mainland District		104,000		133,200
	Kodiak Archipelago		151,000		308,376

^a 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.

^b Escapement of Chinook salmon includes weir counts minus an estimate of sport fish harvest above the weir.

^c 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, 2015.

Weir Locations	2015 Dates		Salmon Species Enumerated ^a				
	Installed	Removed	Chinook	Sockeye	Coho	Pink	Chum
Karluk River	26-May	21-Sep	2,777	629,654	7,586	319,143	120
Ayakulik River	25-May	24-Aug	2,392	326,435	1,833	66,451	127
Dog Salmon Creek ^{b,c}	28-May	7-Aug	81	235,813	2	218,054	2,203
Frazer Lake Fish Pass ^c	25-May	12-Aug	19	219,093	0	1,891	0
Upper Station (Olga Creek)	22-May	21-Sep	0	187,337	3,567	52,005	4
Litnik (Afognak River)	11-May	16-Aug	0	36,780	181	3,203	2
Buskin River	19-May	15-Oct	0	8,719	2,502	65,369	30
Lake Louise ^d	5-Jul	23-Sep	0	280	0	0	0
Saltery River	18-Jun	10-Aug	0	39,920	0	3,784	2
Pasagshak River	18-Jun	16-Aug	0	2,077	1	11	3
Pauls Bay	2-Jun	10-Aug	0	11,740	975	147	597
Totals			5,250	1,462,035	16,647	728,167	3,088

^a Counts may include estimates of escapement after weirs were removed.

^b 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.

^c 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.

^d 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, 1979–2015.

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 ^a	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
2015	5,250	1,515,837	38,356	6,369,131	441,576	8,370,150
<u>Average—Previous 10 Years:</u>						
2005–2014	6,829	1,219,280	87,043	4,075,413	355,037	5,743,601
Odd Years Only				3,916,124		
Even Years Only				4,234,701		
<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>						
1979–2014	17,875	1,663,448	138,725	4,840,594	563,398	7,224,040

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.

^a 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, 1882–2015.

Year	Number of salmon ^a					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 ^a					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 ^a					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 ^a					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
2015	8,087	3,097,344	396,145	33,024,992	770,539	37,297,107
<u>Averages^b</u>						
2005–2014	16,651	2,195,819	329,941	20,432,710	770,718	23,745,838
Even Years, 2006–2014				15,378,988		
Odd Years, 2005–2013				25,486,431		
1882–2014	5,806	1,891,764	134,066	8,576,355	607,051	9,376,112
1949–2014	8,329	1,660,168	174,874	11,013,841	781,937	13,639,397
Even Years, 1950–2014				10,704,029		
Odd Years, 1949–2013				12,021,698		

Source: 1882–1947 data are from processors' case pack information. 1948–2015 data are from ADF&G fish ticket summaries and are considered more accurate than previous data.

^a Harvest numbers include cost-recovery harvest but do not include subsistence or test fishery catches or commercially caught fish retained for personal use.

^b 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, 1980–2015.

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 ^a	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 ^b	374	128	31	0	188	148	593	276	47
2009 ^b	374	157	31	1	188	132	593	290	49
2010 ^b	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

-continued-

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Year	Purse Seine		Beach Seine		Set Gillnet		Total		
	Available	Fished	Available	Fished	Available	Fished	Available	Fished	Percent
2015	372	181	31	1	188	154	591	336	57
<u>Recent 10-year Average:</u>									
2005–2014	375	154	31	3	188	153	594	310	52
<u>Average – Previous Decades:</u>									
2000–2009	378	153	32	1	188	152	598	305	51
1990–1999	386	292	36	9	189	176	611	476	78
1980–1988 ^a	385	317	35	24	188	172	608	513	84
<u>Average^a – Overall:</u>									
1980–2014	382	240	34	10	188	165	604	414	68

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

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

^b 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, 2015.

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 2015 commercial salmon harvest, by species and fishery, for the Kodiak Management Area.

	Number of Salmon					Total
	Chinook	Sockeye	Coho	Pink	Chum	
Projected Harvest 2015 ^a	15,000	3,494,116	330,889	14,298,093	707,415	18,845,513
Actual Harvest 2015 ^a	8,087	3,097,344	396,145	33,024,992	770,539	37,297,107

Fishery	2015 Harvest	
	Projection ^b	Actual ^c
Early Sockeye Salmon Fisheries (6/1–7/15 except Cape Igvak which is 6/1–6/26)		
Kitoi Bay Hatchery ^d	52,510	26,217
Cape Igvak ^e	145,454	0
Karluk ^f	176,867	277,794
Ayakulik ^g	65,827	427,758
Alitak District ^h	257,657	151,554
Minor Enhancement ⁱ	17,700	8,327
Spiridon ^j	168,837	43,489
Other ^k	723,045	66,344
Subtotal	1,607,897	1,001,483
Late Sockeye Salmon Fisheries (7/16–10/31 except Cape Igvak which is 7/8–7/25)		
Kitoi Bay Hatchery ^d	35,006	36,116
Cape Igvak ^e	89,899	6,595
Karluk ^f	824,400	1,081,102
Ayakulik ^g	35,446	141,174
Alitak District ^h	106,673	213,392
Spiridon ^j	127,369	194,505
Other ^k	667,426	422,977
Subtotal	1,886,219	2,095,861
Total Sockeye	3,494,116	3,097,344
Coho Salmon Fisheries		
Kitoi Bay Hatchery ^d	153,000	49,307
Afognak (non-hatchery) ^l	22,930	28,487
Westside Kodiak ^m	89,215	194,559
Alitak District ^h	6,388	19,847
Eastside/Northend Kodiak ⁿ	48,086	74,235
Mainland District	11,270	29,710
Subtotal	330,889	396,145

-continued-

Table 9.–Page 2 of 3.

Fishery	2015 Harvest	
	Projection ^b	Actual ^c
Pink Salmon Fisheries		
Kitoi Bay Hatchery ^d	7,365,000	4,955,923
Afognak (non-hatchery) ^l	677,363	2,950,019
Westside Kodiak ^m	2,531,966	10,450,072
Alitak District ^h	1,239,637	5,812,572
Eastside/Northend Kodiak ⁿ	2,279,601	8,069,126
<u>Mainland District</u>	<u>204,526</u>	<u>787,280</u>
Subtotal/Wild stock pinks	6,933,093	28,069,069
Subtotal/all pinks	14,298,093	33,024,992
Chum Salmon Fisheries		
Kitoi Bay Hatchery ^d	171,000	54,607
Afognak (non-hatchery) ^l	35,618	42,360
Westside Kodiak ^m	174,818	351,532
Alitak District ^h	27,625	52,682
Eastside/Northend Kodiak ⁿ	204,857	238,273
<u>Mainland District</u>	<u>93,497</u>	<u>31,085</u>
Subtotal	707,415	770,539
Grand Total ^o	18,845,513	37,297,107
^a Includes commercial harvest, test fisheries, and cost-recovery harvests, but does not include subsistence, sport, or personal use fisheries. ^b 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 (Munro 2015). ^c Actual harvest is the number of fish taken in a particular geographic area, not the catch assigned to an individual salmon stock. ^d From the Duck Bay, Izhut Bay, and Inner and Outer Kitoi Bay sections only. ^e 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. ^f 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. ^g 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. ^h From the Alitak District. ⁱ From the Foul Bay, Waterfall Bay, and Settler Cove Special Harvest Areas. ^j From the Spiridon Bay Special Harvest Area (Telrod Cove), plus an estimate of the Spiridon-bound sockeye contributing to the Westside Kodiak fishery.		

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- ^k 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 (Kaflika and Kuliuk) sections and migrating fish of undetermined origin.
- ^l From the Afognak District except the Duck Bay, Izhut Bay, and Inner and Outer Kitoi Bay sections.
- ^m From the Southwest Kodiak District (all 255s and 256s) and the Northwest Kodiak District (all 253s and 254s), except for the North Cape, Anton Larsen Bay, Sharatin Bay, and Kizhuyak Bay sections and part of the Central Section (259-30 to 259-39).
- ⁿ From the Eastside Kodiak District (all 258s, and 259-40 to 259-42), Northeast Kodiak District (259-21 to 259-27, 259-10), and the North Cape, Anton Larsen Bay, Sharatin Bay and Kizhuyak Bay sections, plus part of the Central Section (259-30 to 259-39).
- ^o Includes the projected 2015 harvest of 15,000 Chinook salmon and the actual harvest of 8,087 Chinook salmon.

Table 10.—Commercial salmon buyers and processing plants active in the Kodiak Management Area, by geographic area and type, 2015.

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					
Ocean Beauty Seafoods Kodiak	X					
Ocean Beauty Seafoods Alitak		X				
Ocean Beauty Seafoods Cordova			X			
Ocean Beauty Seafoods Petersburg			X			
Global Seafoods Kodiak	X					
Pacific Seafoods Kodiak	X					
Trident Star of Kodiak	X					
Trident Chignik			X			
Wildsource	X					
Pickled Willy's	X					
Old Harbor Finest		X				
Half Moon Bay Fisheries		X				
Gordon Jensen P/V					X	
Richard Blanc Akhiok Skiff		X				
Peterson Plus				X		
Rob Lindsey NORMA KAY	X					
Totals	9	5	3	1	1	0

Table 11.—Commercial salmon harvest and value, by gear and species, in the Kodiak Management Area, 2015.

	Number of Salmon						
	Chinook	Sockeye	Coho	Pink	Chum	Total	
Purse/Beach Seine							
Total # ^a	6,618	2,444,950	280,415	28,813,847	538,657	32,084,487	93.4
<u>Avg. wt.</u>	<u>8.92</u>	<u>4.78</u>	<u>6.21</u>	<u>3.32</u>	<u>7.03</u>		
Total lbs. ^a	59,032	11,680,475	1,741,368	95,611,847	3,786,388	112,879,110	91.6
<u>Avg. \$/lb. ^b</u>	<u>\$1.00</u>	<u>\$0.88</u>	<u>\$0.32</u>	<u>\$0.18</u>	<u>\$0.36</u>		
Exvessel Value (\$)	\$58,824.51	\$10,245,115.26	\$562,844.29	\$17,526,370.12	\$1,375,924.71	\$29,769,078.90	86.6
# of Permits = 182							
Average Value (\$)	\$323.21	\$56,291.84	\$3,092.55	\$96,298.74	\$7,560.03	\$163,566.37	
Percent (%)	0.2	34.4	1.9	58.9	4.6	100.0	
Set Gillnet							
Total # ^a	1,469	608,827	111,986	1,316,847	230,047	2,269,176	6.6
<u>Avg. wt.</u>	<u>9.97</u>	<u>5.20</u>	<u>6.29</u>	<u>3.72</u>	<u>7.12</u>		
Total lbs. ^a	14,651	3,166,466	704,620	4,892,527	1,638,947	10,417,211	8.4
<u>Avg. \$/lb. ^b</u>	<u>\$0.91</u>	<u>\$0.87</u>	<u>\$0.48</u>	<u>\$0.18</u>	<u>\$0.38</u>		
Exvessel Value (\$)	\$13,360.49	\$2,758,148.38	\$339,454.01	\$884,971.42	\$616,755.97	\$4,612,690.27	13.4
# of Permits = 154							
Average Value (\$)	\$86.76	\$17,910.05	\$2,204.25	\$5,746.57	\$4,004.91	\$29,952.53	
Percent (%)	0.3	59.8	7.4	19.2	13.4	100.0	
Total All Gear							
Total # ^a	8,087	3,053,777	392,401	30,130,694	768,704	34,353,663	100.0
<u>Avg. wt.</u>	<u>9.11</u>	<u>4.86</u>	<u>6.23</u>	<u>3.34</u>	<u>7.06</u>		
Total Lbs. ^a	73,683	14,846,941	2,445,988	100,504,374	5,425,335	123,296,321	100.0
<u>Avg. \$/lb. ^b</u>	<u>\$0.98</u>	<u>\$0.88</u>	<u>\$0.37</u>	<u>\$0.18</u>	<u>\$0.37</u>		
Exvessel Value (\$)	\$72,185.00	\$13,003,263.64	\$902,298.31	\$18,411,341.54	\$1,992,680.68	\$34,381,769.17	100.0
% of Total Value	0.2	37.8	2.6	53.5	5.8	100.0	

^a Numbers and pounds of fish are derived from ADF&G fish ticket summaries. There were 11,188 fish tickets generated in 2015; each ticket represents a landing. Each gear type had the following landings: Purse Seine – 5,991; Beach Seine – 16; Set Gillnet – 5,181. Numbers do not include commercially harvested salmon retained for personal use or subsistence, sport fishery, or cost-recovery harvests.

^b 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, 2004–2015.

Year	Total Catch ^a	Total Value ^b	Average Exvessel Value ^c		
			Purse Seine	Gillnet	Beach Seine
2005	31,434,179	\$24,067,755	\$129,181	\$40,172	\$0 ^d
2006	32,595,862	\$24,820,388	\$150,038	\$33,926	
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 ^d
2009	28,338,446	\$33,698,297	\$174,566	\$44,918	
2010	10,291,590	\$24,269,085	\$130,009	\$25,728	
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	\$42,806,102	\$183,451	\$61,504	\$23,796 ^d
2015	34,353,663	\$34,381,769	\$163,566	\$29,953	
Recent 10-year Average^e					
2005–2014	22,042,989	\$35,227,082	\$180,889	\$42,977	\$15,069

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

^b Exvessel values based on inseason price estimates and do not include postseason adjustments.

^c 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.

^d Confidential data.

^e 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	^a	2,066	-	108	10,081	4,291	1,320	371	16,171
1989	^{a,b}	1,994	-	43	12,638	4,123	1,553	419	18,776
1990	^a	2,340	-	131	17,959	8,627	1,605	655	28,977
1991	^a	2,660	-	177	21,835	8,208	1,743	714	32,677
1992	^a	2,614	-	318	20,684	8,643	1,646	643	31,934
1993	^a	1,774	-	243	19,471	7,176	2,696	838	30,424
1994	^c	2,550	60	205	17,962	7,491	1,758	440	27,856
1995	^c	1,950	62	175	19,416	5,603	1,548	293	27,035
1996	^c	1,567	90	253	28,287	5,117	1,125	381	35,163
1997	^c	2,098	76	383	33,293	6,369	1,458	234	41,737
1998	^c	1,845	57	350	20,459	5,348	1,412	214	27,783
1999	^c	1,422	87	397	26,534	4,974	1,229	388	33,522
2000	^c	1,710	84	351	31,667	6,383	977	375	39,753
2001	^c	2,376	83	273	33,878	5,920	1,158	427	41,656
2002	^c	2,276	90	588	33,844	6,175	1,665	350	42,622
2003	^c	2,268	90	510	32,193	6,098	1,509	388	40,698
2004	^c	2,239	92	379	30,503	5,857	1,403	261	38,403
2005	^c	2,290	85	434	27,664	7,703	2,350	592	38,743
2006	^c	2,096	91	280	22,985	6,640	1,827	441	32,173
2007	^c	2,096	92	207	25,656	4,715	1,585	266	32,429
2008	^c	2,037	85	159	21,852	4,570	1,180	186	27,947
2009	^c	1,926	92	176	23,134	4,127	1,926	345	29,708
2010	^c	2,022	93	158	22,200	4,200	1,266	273	28,097
2011	^c	2,210	90	122	34,037	2,367	1,199	198	37,923
2012	^c	2,120	88	54	24,006	2,920	1,154	166	28,300
2013	^c	2,079	82	119	27,764	2,528	826	175	31,412
2014	^c	1,996	83	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^b – 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^b – overall</u>									
1978–2013	1,773	1,562	80	219	21,864	5,704	1,838	472	30,097

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Table 13.–Page 2 of 2.

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.

- ^a 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.
- ^b 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.
- ^c 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, 1997–2015.

Year	Permits	Landings	Number of Salmon ^a					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 ^b								
2000 ^b								
2001	9	14	16	465	1,215	0	33	1,729
2002	33	56	57	5,447	7,542	566	0	13,612
2003 ^c	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
2015	70	155	293	3,231	1,551	4,008	740	9,823
10-year Average								
2005–2014	40	83	160	2,552	1,608	3,160	135	7,616

Source: ADF&G fish ticket database

^a 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.

^b Confidential data.

^c 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).

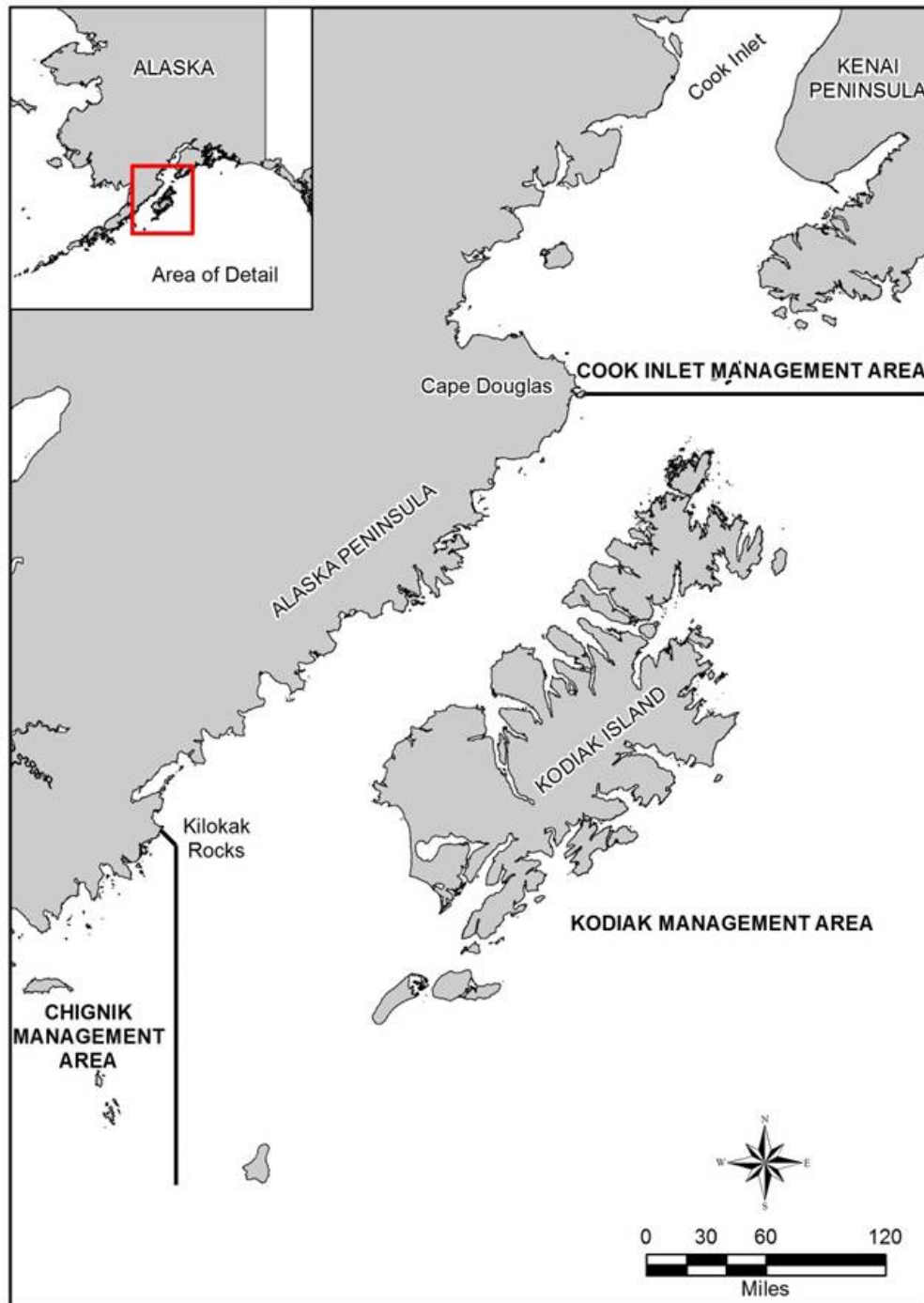


Figure 1.—Map of the Kodiak Management Area and neighboring management areas, 2015.

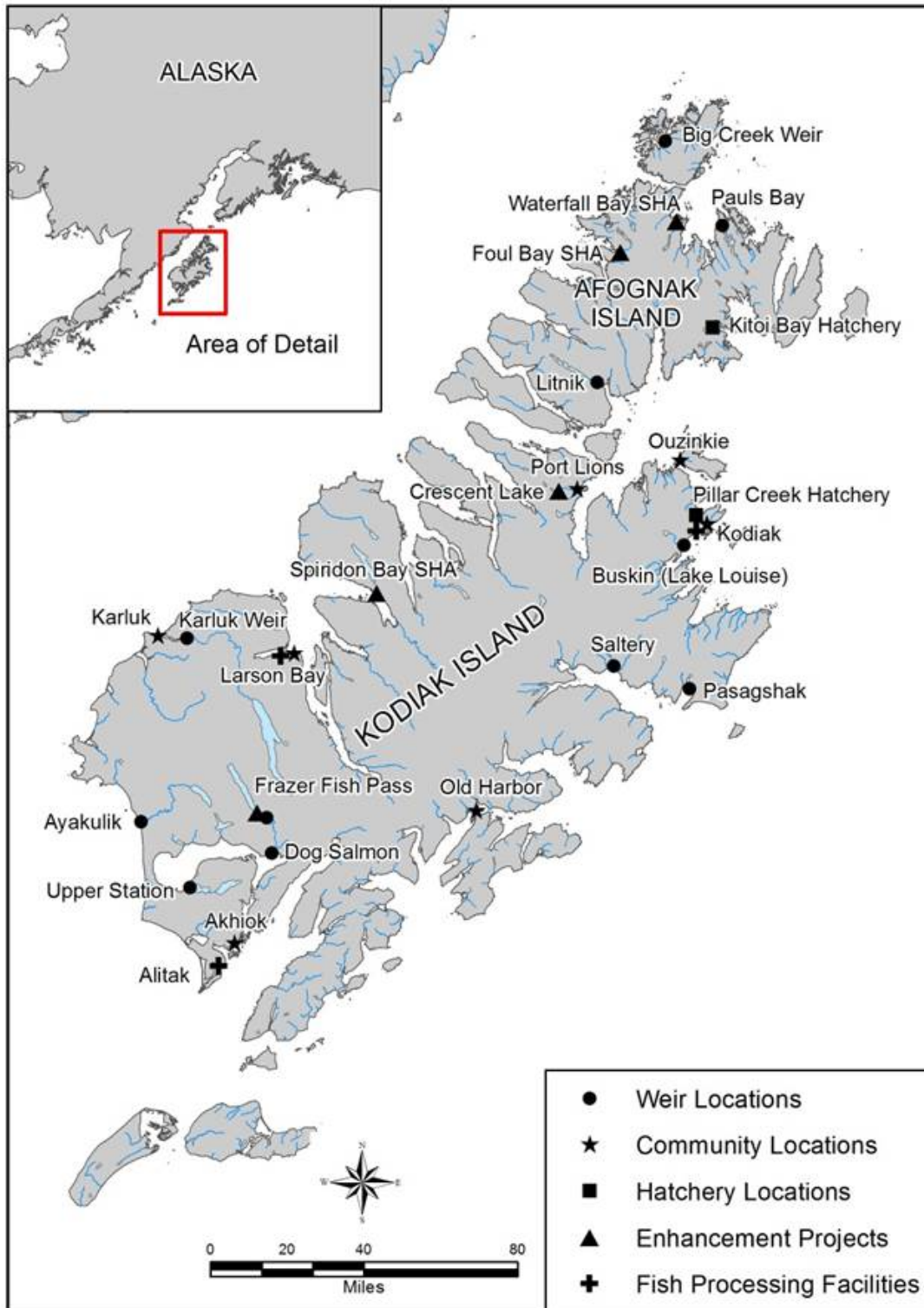


Figure 2.—Map of the Kodiak Archipelago showing communities, fish processing facilities, sockeye salmon enhancement projects, and weir and hatchery locations in the Kodiak Management Area, 2015.

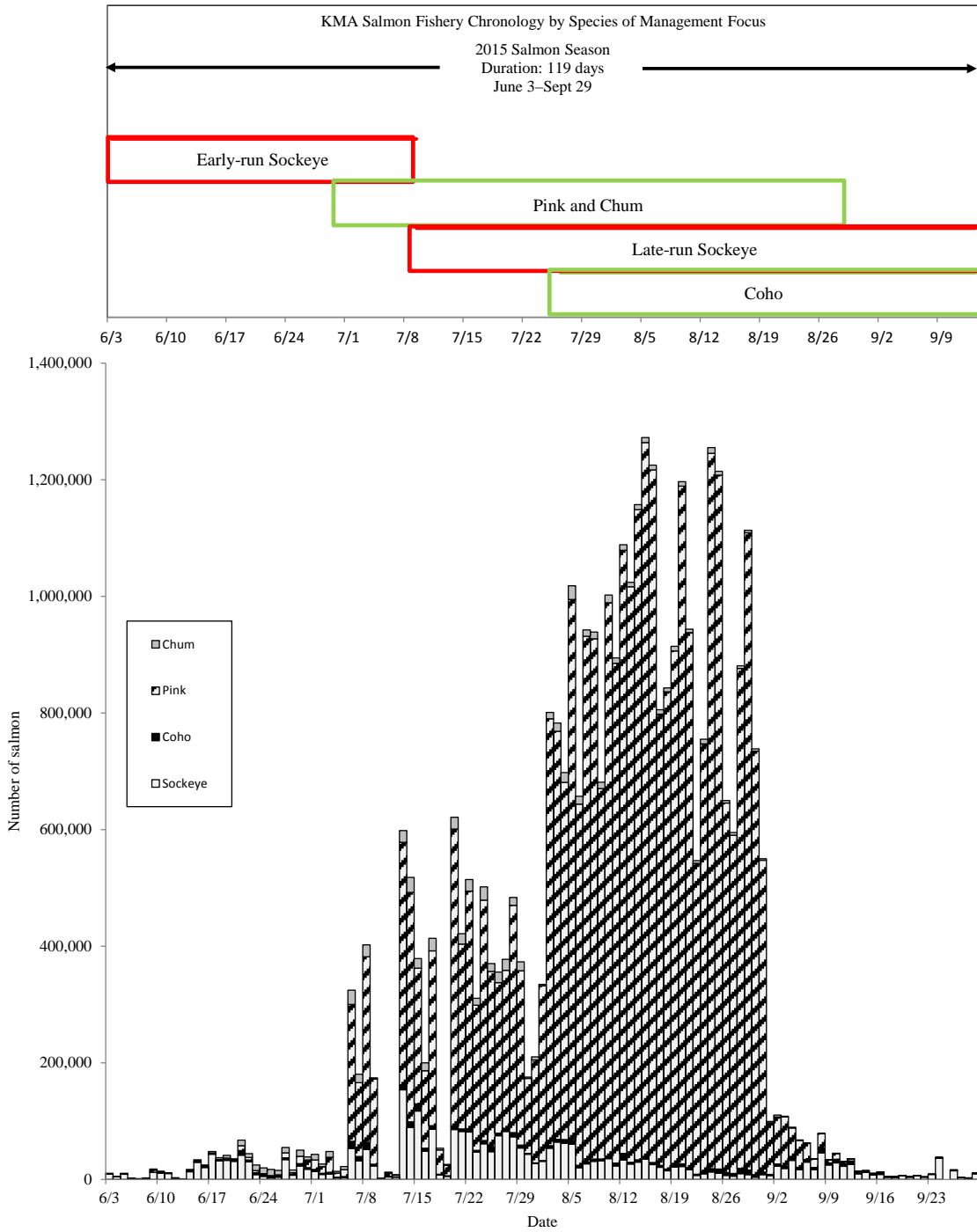
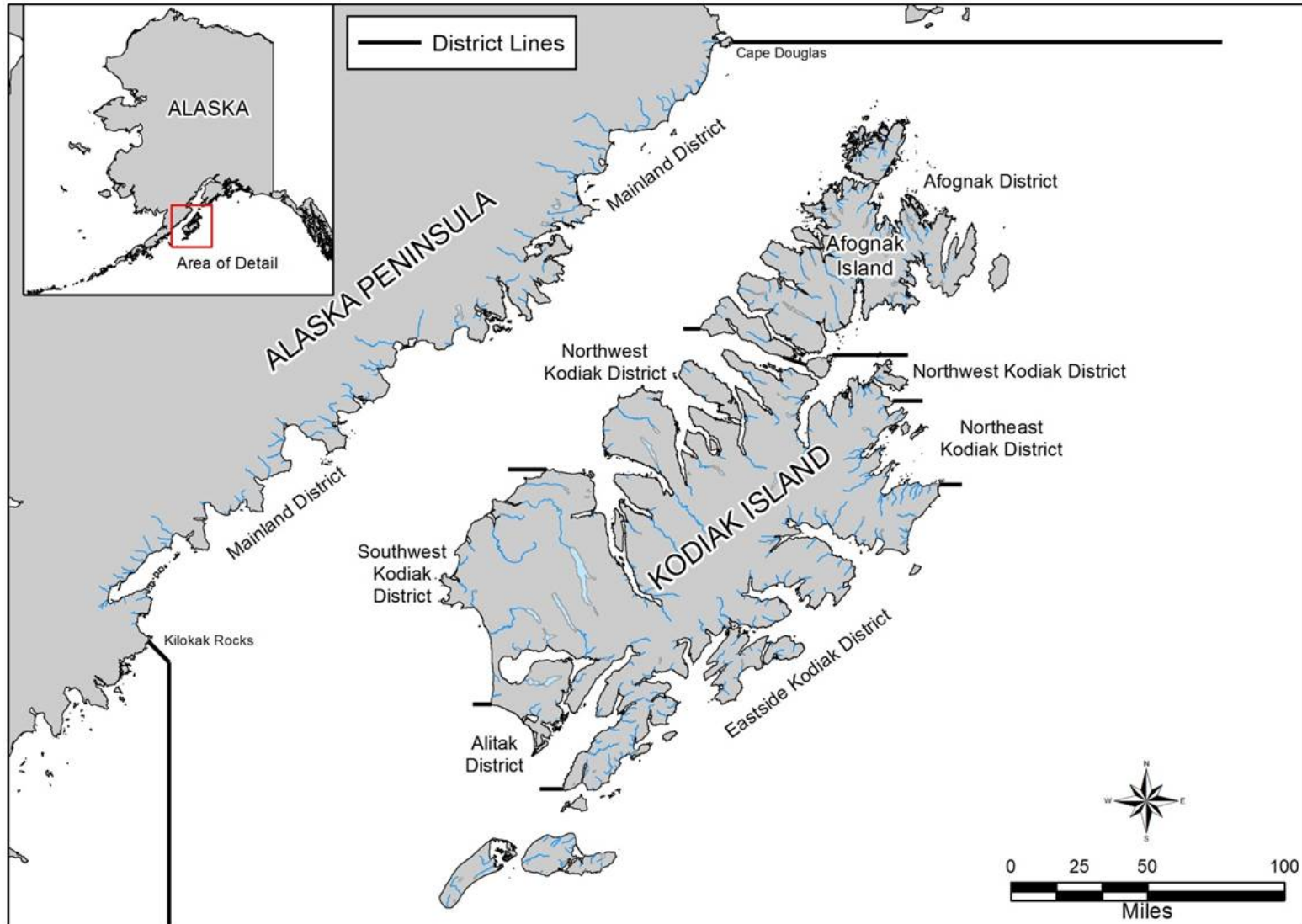
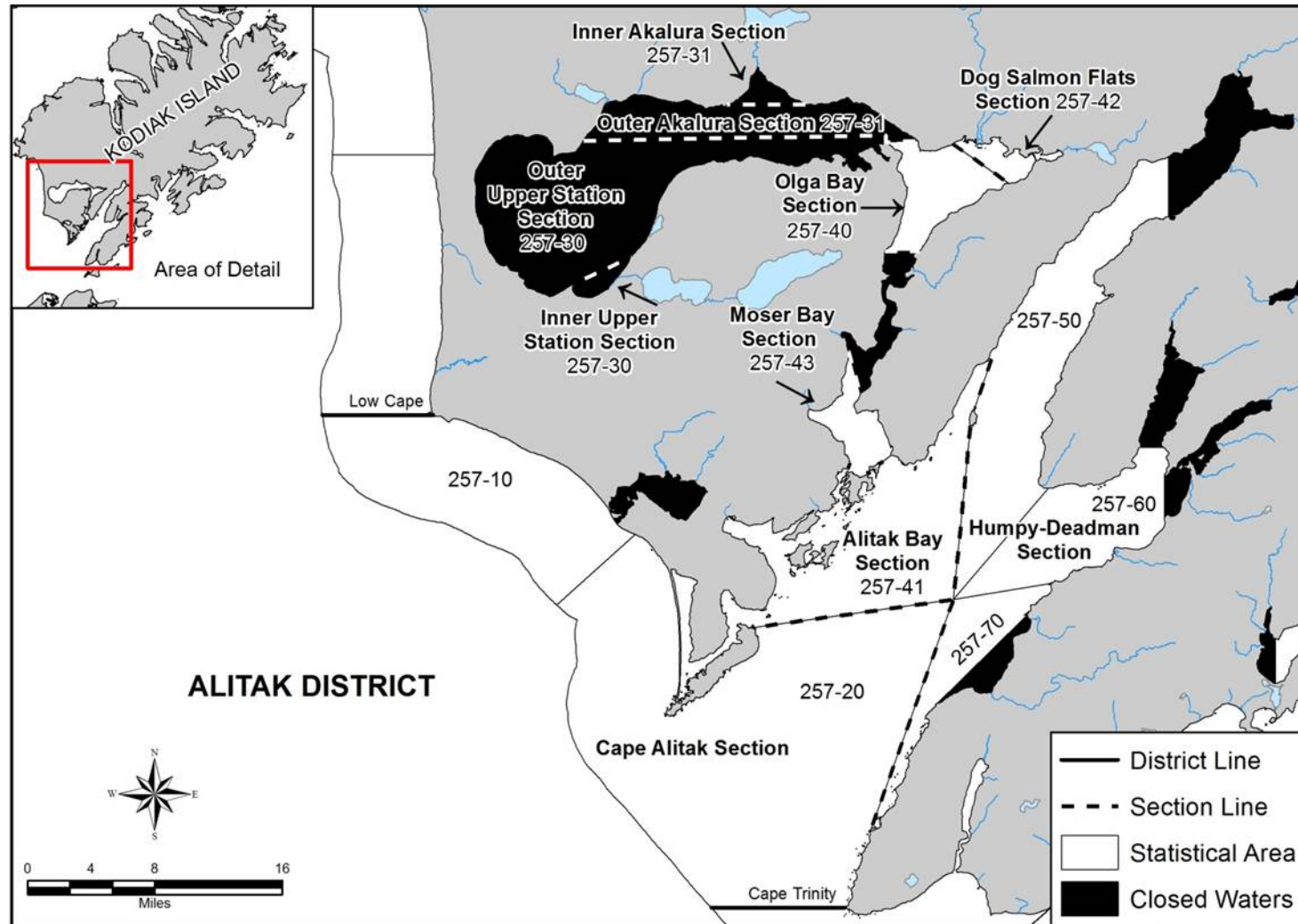


Figure 3.—Commercial salmon fishery chronology and daily harvest by date and species of management focus, Kodiak Management Area, 2015.

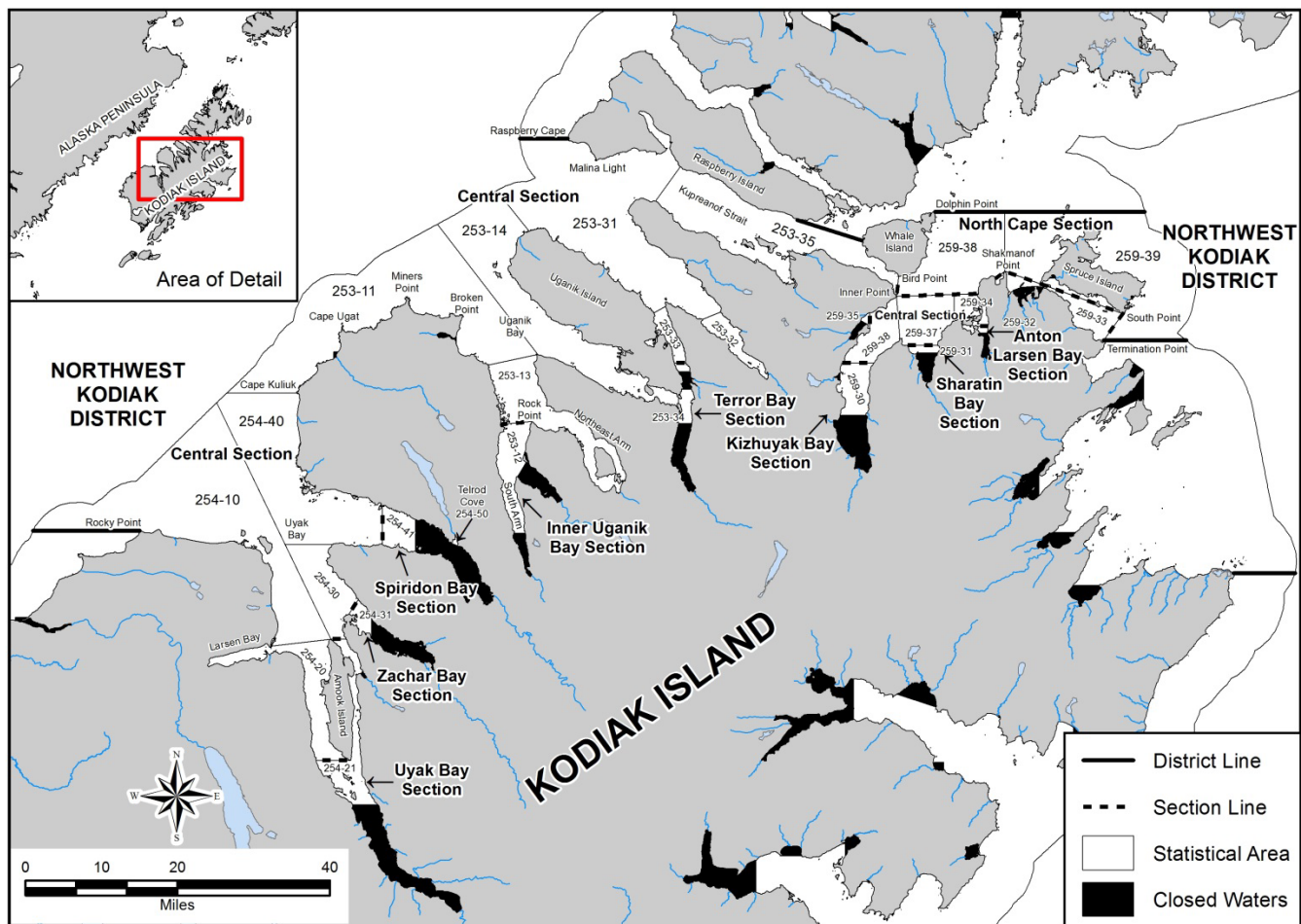
APPENDIX A. MAPS OF FISHING DISTRICTS



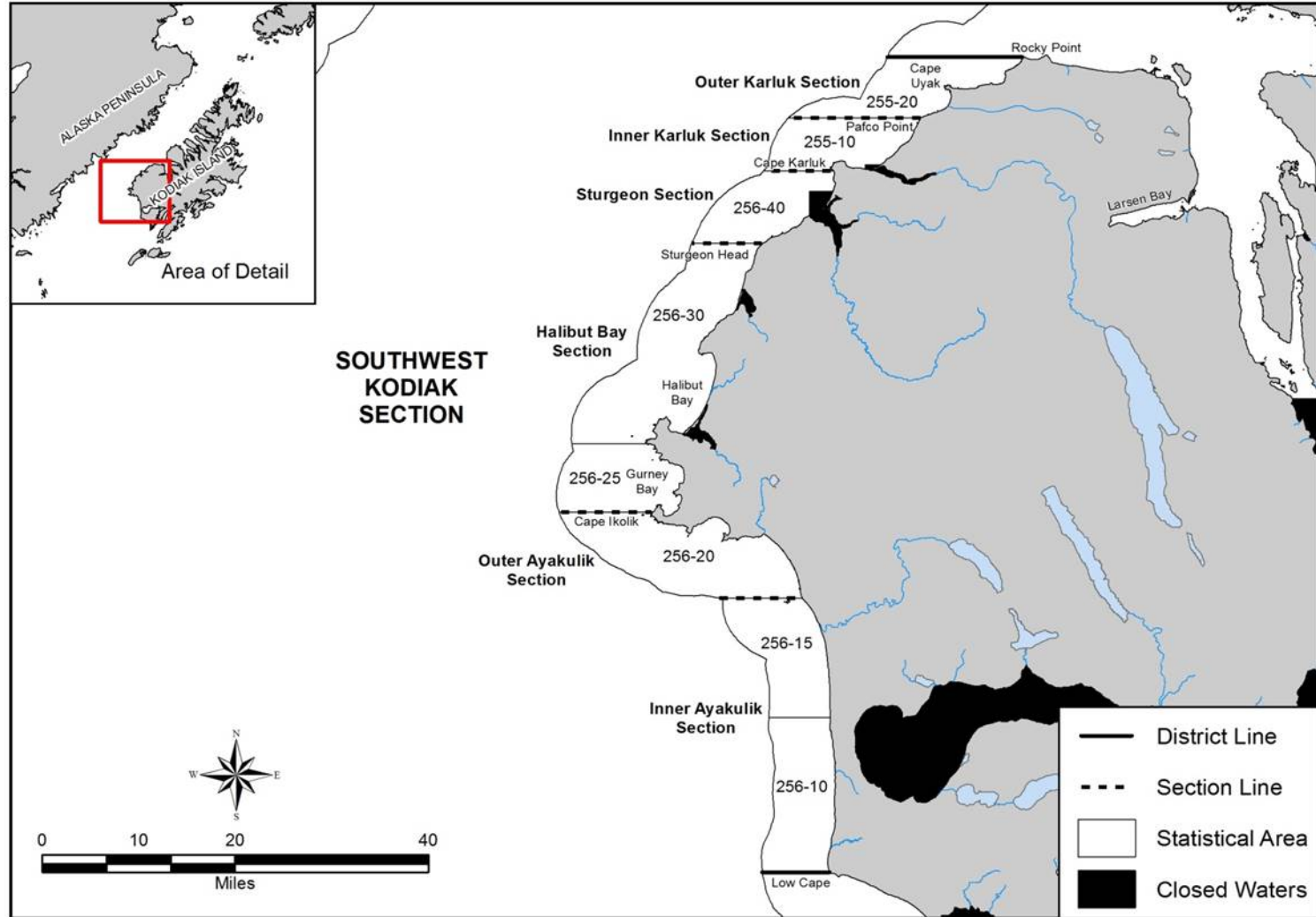
Appendix A1.—Map of the Kodiak Management Area commercial salmon fishing districts.



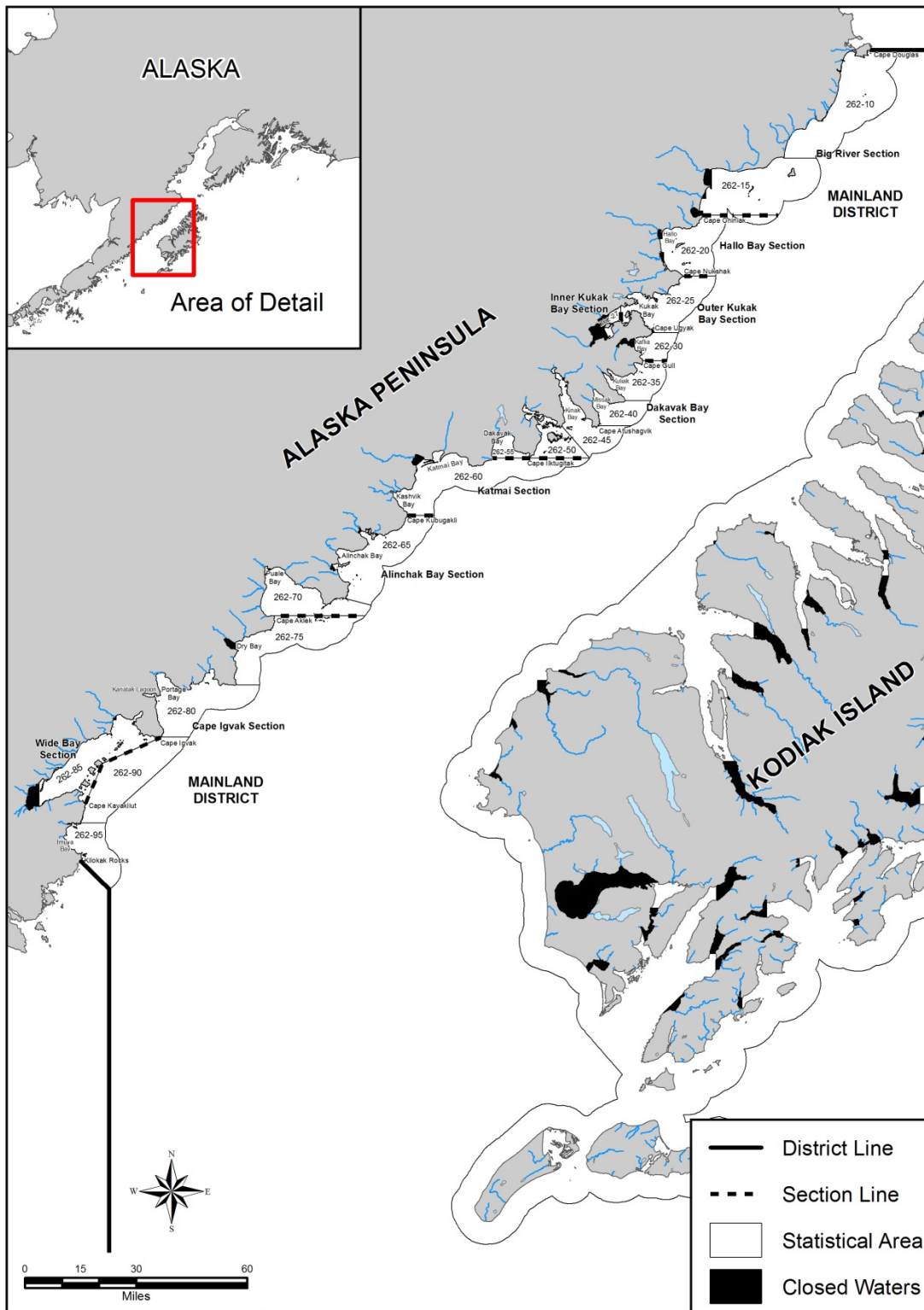
Appendix A2.—Map of the Alitak District commercial salmon fishing sections and statistical areas.



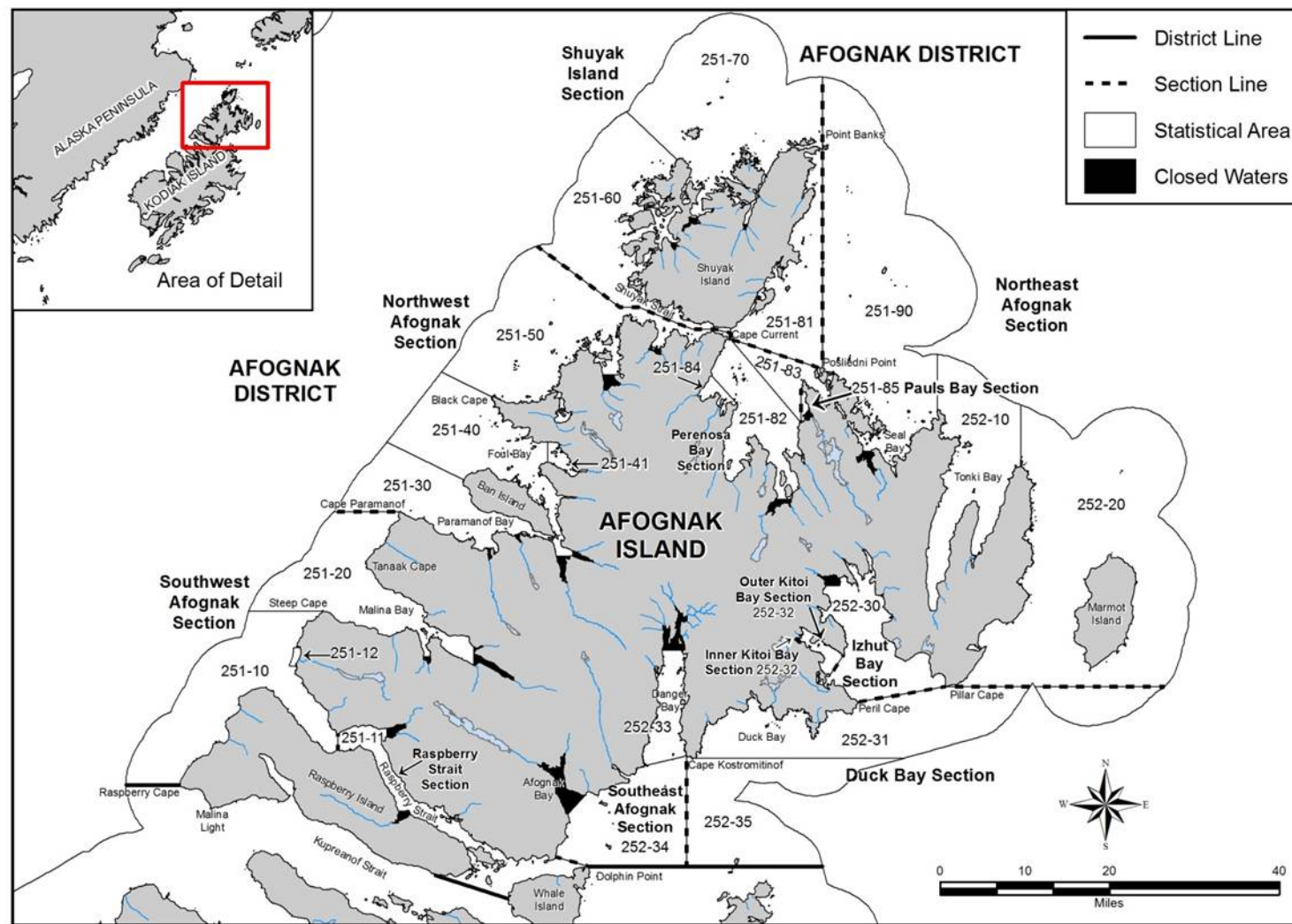
Appendix A3.—Map of the Northwest Kodiak District commercial salmon fishing sections and statistical areas.



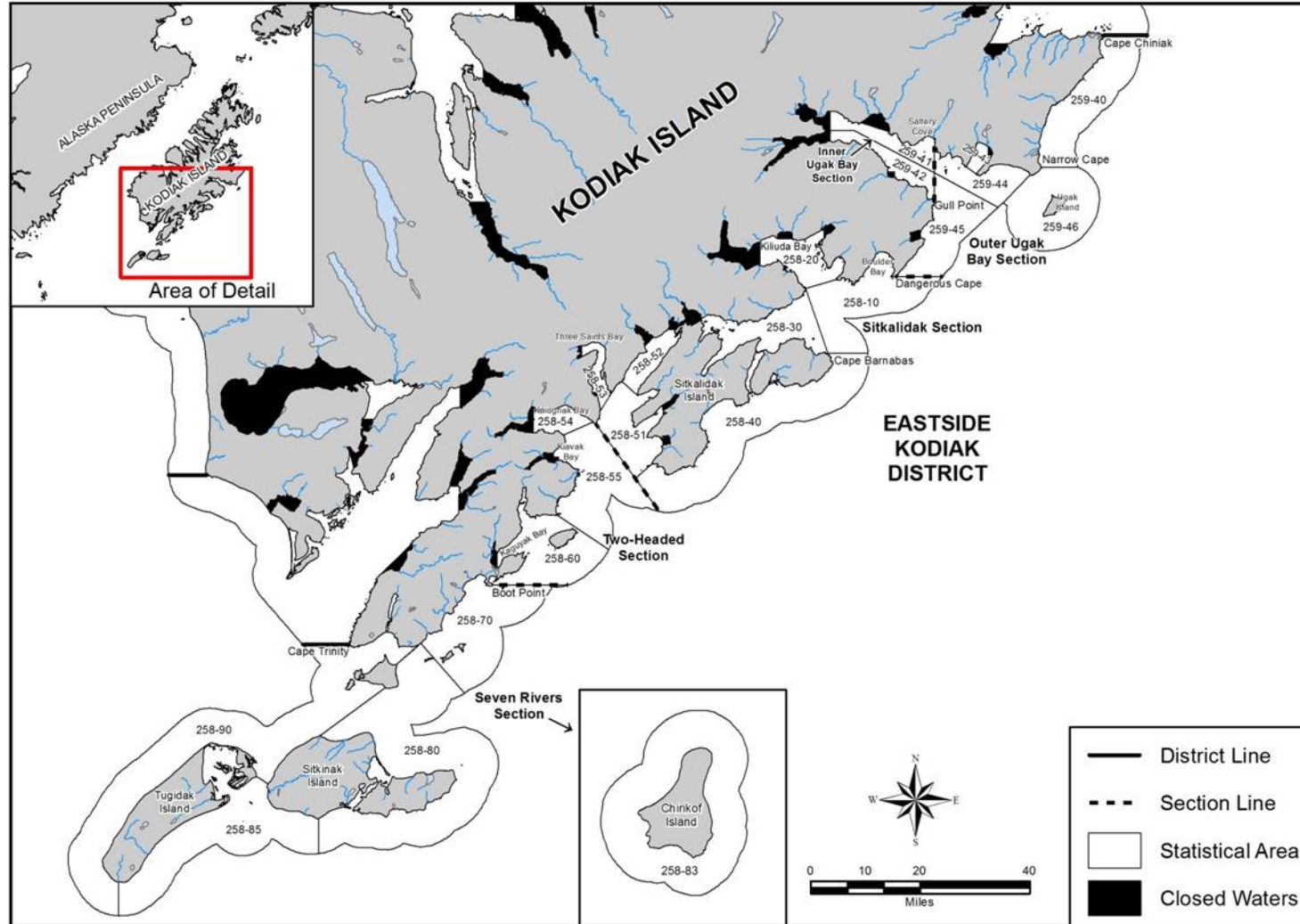
Appendix A4.—Map of the Southwest Kodiak District commercial salmon fishing sections and statistical areas.



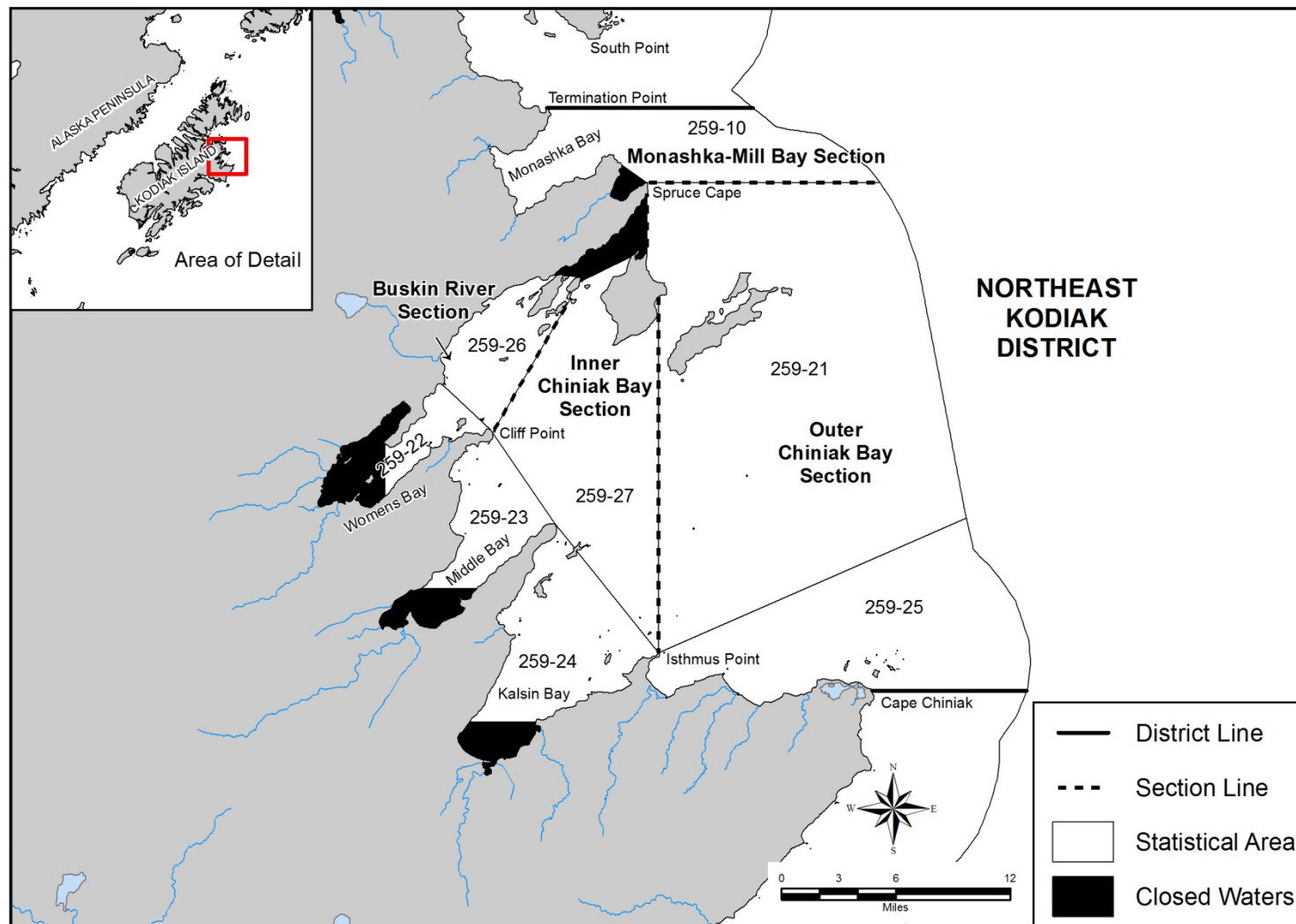
Appendix A5.—Map of the Mainland District commercial salmon fishing sections and statistical areas.



Appendix 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, 2015.

<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
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																															

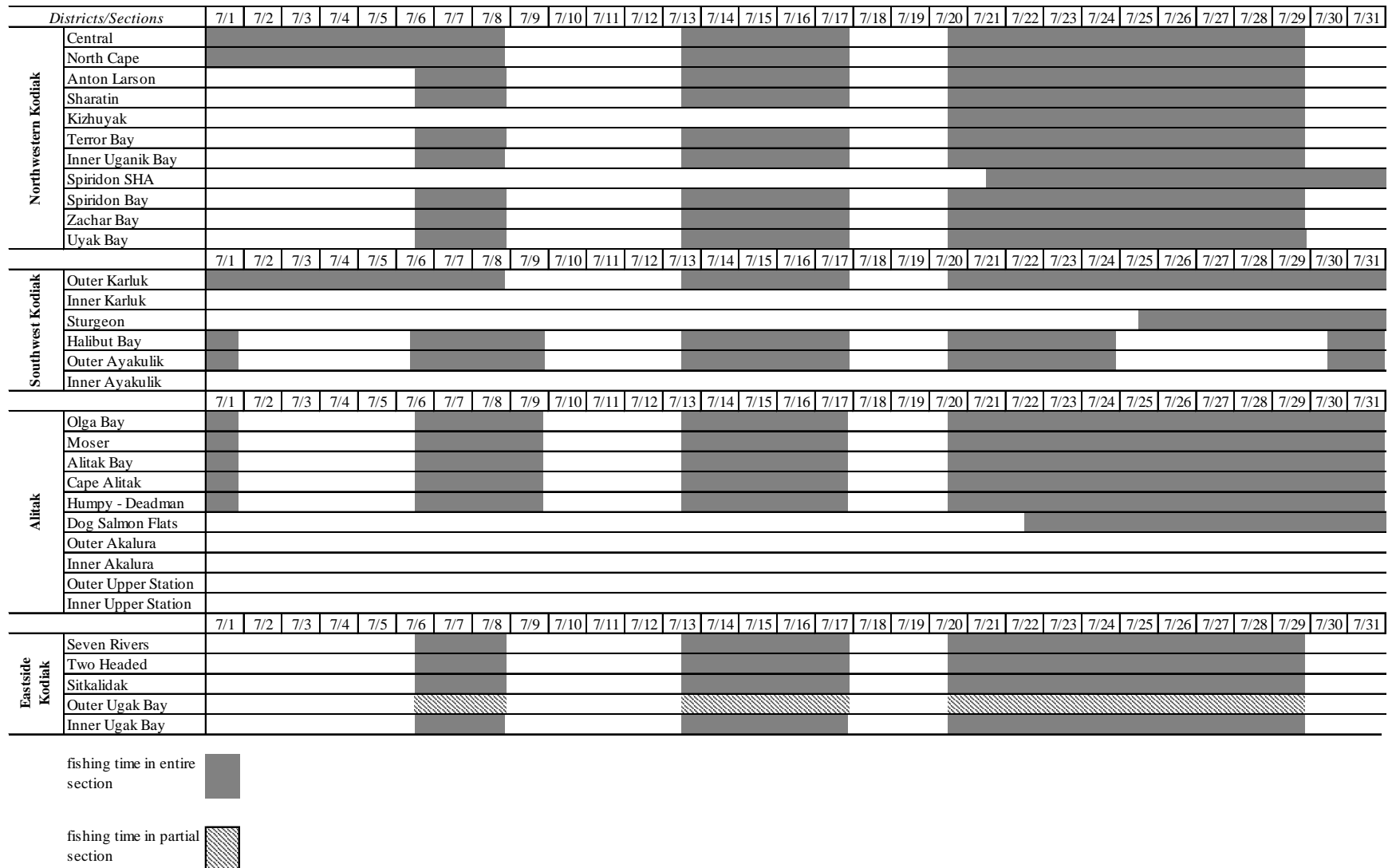
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Appendix B1.–Page 2 of 8.

<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																														
Afognak		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
	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		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
	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																															

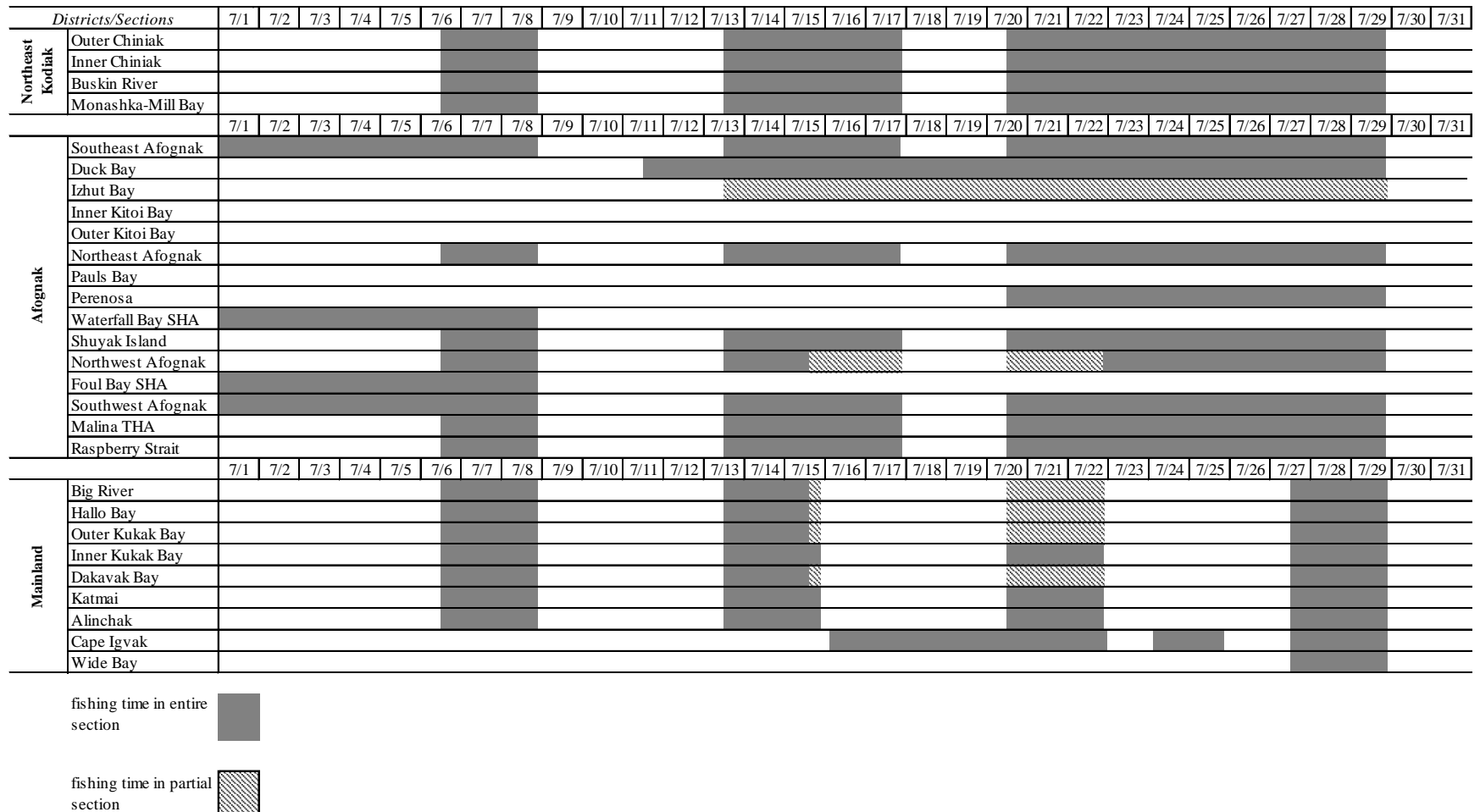
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Appendix B1.-Page 3 of 8.



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Appendix B1.–Page 4 of 8.



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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																															
		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
Southwest Kodiak	Outer Karluk																															
	Inner Karluk																															
	Sturgeon																															
	Halibut Bay																															
	Outer Ayakulik																															
	Inner Ayakulik																															
		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
Alitak	Olga Bay																															
	Moser																															
	Alitak Bay																															
	Cape Alitak																															
	Humpy - Deadman																															
	Dog Salmon Flats																															
	Outer Akalura																															
	Inner Akalura																															
	Outer Upper Station																															
	Inner Upper Station																															
		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
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		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
	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		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
	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																														
		9/1	9/2	9/3	9/4	9/5	9/6	9/7	9/8	9/9	9/10	9/11	9/12	9/13	9/14	9/15	9/16	9/17	9/18	9/19	9/20	9/21	9/22	9/23	9/24	9/25	9/26	9/27	9/28	9/29	9/30
Afognak	Southeast Afognak																														
	Duck Bay																														
	Izhut Bay																														
	Inner Kitoi Bay																														
	Outer Kitoi Bay																														
	Northeast Afognak																														
	Pauls Bay																														
	Perenosa																														
	Waterfall Bay SHA																														
	Shuyak Island																														
	Northwest Afognak																														
	Foul Bay SHA																														
	Southwest Afognak																														
	Malina THA																														
	Raspberry Strait																														
		9/1	9/2	9/3	9/4	9/5	9/6	9/7	9/8	9/9	9/10	9/11	9/12	9/13	9/14	9/15	9/16	9/17	9/18	9/19	9/20	9/21	9/22	9/23	9/24	9/25	9/26	9/27	9/28	9/29	9/30
Mainland	Big River																														
	Hallo Bay																														
	Outer Kukak Bay																														
	Inner Kukak Bay																														
	Dakavak Bay																														
	Katmai																														
	Alinchak																														
	Cape Igvak																														
	Wide Bay																														
fishing time in entire section																															
fishing time in partial section																															

Appendix B2.—Summary of emergency orders issued in the Kodiak Management Area, 2015.

E.O. #	Issued	Effective	Action in Effect
1	10:00 AM 6/1/15	Noon 6/3/15	<p><u>Opening</u> for 57 hours, until 9:00 PM 6/7:</p> <ul style="list-style-type: none"> • Central and North Cape sections • Southeast Afognak Section <p><u>Opening</u> for 33 hours, until 9:00 PM 6/6:</p> <ul style="list-style-type: none"> • Uyak Bay, Zachar Bay, Spiridon Bay, Inner Uganik Bay, Terror Bay, Kizhuyak Bay, Sharatin Bay, and Anton Larsen Bay sections <p><u>Opening</u> until further notice:</p> <ul style="list-style-type: none"> • Inner Kitoi Bay, Outer Kitoi Bay, Duck Bay and Izhut Bay sections • Foul Bay Special Harvest Area (FBSHA) • Waterfall Bay Special Harvest Area (WBSHA) <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> • Reduced until further notice in Foul Bay and Waterfall Bay • Reduced until further notice in Kitoi Bay <p><u>Non-retention</u> of Chinook salmon 28 inches or greater in length until further notice</p>
2	10:00 AM 6/8/15	Noon 6/9/15	<p><u>Opening</u> for 33 hours, until 9:00 PM 6/10:</p> <ul style="list-style-type: none"> • Northwest Kodiak District • Southeast Afognak Section <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> • Reduced until further notice in Foul Bay and Waterfall Bay • Reduced until further notice in Kitoi Bay <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> • Inner Kitoi Bay, Outer Kitoi Bay, Duck Bay and Izhut Bay sections • Foul Bay Special Harvest Area (FBSHA) • Waterfall Bay Special Harvest Area (WBSHA) <p><u>Non-retention</u> of Chinook salmon 28 inches or greater in length until further notice</p>
3	10:00 AM 6/10/15	9:00 PM 6/10/15	<p><u>Extension</u> for 24 hours, until 9:00 PM 6/11:</p> <ul style="list-style-type: none"> • Central and North Cape sections • Southeast Afognak Section <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> • Inner Kitoi Bay, Outer Kitoi Bay, Duck Bay and Izhut Bay sections • Foul Bay Special Harvest Area (FBSHA) • Waterfall Bay Special Harvest Area (WBSHA) <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"> • Reduced until further notice in Foul Bay • Reduced until further notice in Waterfall Bay • Reduced until further notice in Kitoi Bay

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E.O. #	Issued	Effective	Action in Effect
4	Noon 6/12/15	Noon 6/14/15	<p><u>Opening</u> for 57 hours, until 9:00 PM 6/16:</p> <ul style="list-style-type: none"> • Central and North Cape sections • Southwest Afognak and Southeast Afognak sections <p><u>Opening</u> for 33 hours, until 9:00 PM 6/15:</p> <ul style="list-style-type: none"> • Eastside Kodiak District • Northwest Afognak, Pauls Bay, and Perenosa Bay sections • Uyak Bay, Zachar Bay, Spiridon Bay, Inner Uganik Bay, Terror Bay, Kizhuyak Bay, Sharatin Bay, and Anton Larsen Bay sections • Big River and Outer Kukak Bay sections <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> • Reduced until 9:00 PM 6/15 at Kafia Creek • Reduced until 9:00 PM 6/15 at Saltery Creek <p><u>Non-retention</u> of Chinook salmon 28 inches or greater in length until further notice</p> <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> • Inner Kitoi Bay, Outer Kitoi Bay, Duck Bay and Izhut Bay sections • Foul Bay Special Harvest Area (FBSHA) • Waterfall Bay Special Harvest Area (WBSHA) <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> • Reduced until further notice in Foul Bay • Reduced until further notice in Waterfall Bay • Reduced until further notice in Kitoi Bay
5	10:00 AM 6/14/15	Noon 6/15/15 9:00 PM 6/16/15	<p><u>Opening</u> for 57 hours, until 9:00 PM 6/17:</p> <ul style="list-style-type: none"> • Inner Ayakulik and Outer Ayakulik sections • Outer Karluk Section <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> • Reduced until 9:00 PM 6/17 at Ayakulik River <p><u>Extension</u> for 24 hours, until 9:00 PM 6/17:</p> <ul style="list-style-type: none"> • Central and North Cape sections • Southwest Afognak and Southeast Afognak sections <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> • Reduced until 9:00 PM 6/15 at Kafia Creek • Reduced until 9:00 PM 6/15 at Saltery Creek • Reduced until 9:00 PM 6/17 in Afognak Bay <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"> • Reduced until further notice in Foul Bay • Reduced until further notice in Waterfall Bay • Reduced until further notice in Kitoi Bay

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E.O. #	Issued	Effective	Action in Effect
6	10:00 AM 6/17/15	9:00 PM 6/17/15	<p><u>Extension</u> for 48 hours, until 9:00 PM 6/19:</p> <ul style="list-style-type: none"> • Outer Ayakulik and Outer Karluk sections • Central and North Cape sections • Southwest Afognak and Southeast Afognak sections <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> • Reduced until 9:00 PM 6/19 in Afognak Bay <p>9:00 PM 6/20/15</p> <p><u>Closure</u> in the following areas:</p> <ul style="list-style-type: none"> • Inner Kitoi Bay and Outer Kitoi Bay sections <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> • Duck Bay and Izhut Bay sections • Foul Bay Special Harvest Area (FBSHA) • Waterfall Bay Special Harvest Area (WBSHA) <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"> • Reduced until further notice in Foul Bay • Reduced until further notice in Waterfall Bay • Reduced until further notice in Kitoi Bay
7	11:45 AM 6/19/15	9:00 PM 6/17/15	<p><u>Extension</u> until further notice:</p> <ul style="list-style-type: none"> • Outer Karluk Section • Central and North Cape sections • Southwest and Southeast Afognak sections <p>9:00 PM 6/19/15</p> <p><u>Extension</u> for 72 hours, until 9:00 PM 6/22:</p> <ul style="list-style-type: none"> • Outer Ayakulik Section <p>Noon 6/21/16</p> <p><u>Opening</u> for 33 hours, until 9:00 PM 6/22:</p> <ul style="list-style-type: none"> • Cape Alitak, Humpy-Deadman, Alitak Bay, Moser Bay, and Olga Bay sections • Halibut Bay Section • Inner Uganik Bay Section • Eastside Kodiak District • Northwest Afognak, Pauls Bay, and Perenosa Bay sections • Big River and Kukak Bay sections <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> • Reduced from 9:00 PM 6/19 until further notice in Afognak Bay • Reduced until 9:00 PM 6/22 at Kafia Creek • Reduced until 9:00 PM 6/22 at Saltery Creek <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> • Duck Bay and Izhut Bay sections • Foul Bay Special Harvest Area (FBSHA) • Waterfall Bay Special Harvest Area (WBSHA)

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E.O. #	Issued	Effective	Action in Effect
7 (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"> • Reduced until further notice in Foul Bay • Reduced until further notice in Waterfall Bay • Reduced until further notice in Kitoi Bay
8	10:00 AM 6/23/15	9:00 PM 6/24/15	<p><u>Closure</u> in the following area:</p> <ul style="list-style-type: none"> • Izhut Bay Section <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> • Outer Karluk Section • Central and North Cape sections • Southwest Afognak, Southeast Afognak and Duck Bay sections • Foul Bay Special Harvest Area (FBSHA) • Waterfall Bay Special Harvest Area (WBSHA) <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"> • Reduced until further notice in Afognak Bay • Reduced until further notice in Foul Bay and Waterfall Bay
9	10:00 AM 6/26/15	Noon 6/27/15 9:00 PM 6/27/15	<p><u>Opening</u> for 57 hours, until 9:00 PM 6/29:</p> <ul style="list-style-type: none"> • Outer Ayakulik and Halibut Bay sections • Cape Alitak, Humpy-Deadman, Alitak Bay, Moser Bay, and Olga Bay sections • Outer Karluk Section <p><u>Closure</u> in the following area:</p> <ul style="list-style-type: none"> • Duck Bay Section <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> • Reduced from Noon 6/27 until 9:00 PM 6/29 at Saltery Creek <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> • Outer Karluk Section • Central and North Cape sections • Southwest Afognak, Southeast Afognak sections • Foul Bay Special Harvest Area (FBSHA) • Waterfall Bay Special Harvest Area (WBSHA) <p><u>Non-retention</u> of Chinook salmon in the subsistence fishery until 8/1,</p> <ul style="list-style-type: none"> • 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 <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> • Reduced until further notice in Afognak Bay for commercial fishing • Reduced until further notice in Foul Bay and Waterfall Bay

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E.O. #	Issued	Effective	Action in Effect
10	10:00 AM 6/29/15	9:00 PM 6/29/15	<p><u>Extension</u> for 48 hours, until 9:00 PM 7/1:</p> <ul style="list-style-type: none"> Outer Ayakulik and Halibut Bay sections Cape Alitak, Humpy-Deadman, Alitak Bay, Moser Bay, and Olga Bay sections <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> Outer Karluk Section Central and North Cape sections Southwest Afognak and Southeast Afognak sections Foul Bay Special Harvest Area (FBSHA) Waterfall Bay Special Harvest Area (WBSHA) <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"> Reduced until 9:00 PM 6/29 at Saltery Creek Reduced until further notice in Afognak Bay Reduced until further notice in Foul Bay and Waterfall Bay
11	11:30 AM 6/29/15	11:30 AM 6/29/15	<p><u>Opening</u> of Cost Recovery Fishery:</p> <ul style="list-style-type: none"> Telrod Cove Special Harvest Area <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> Outer Karluk Section Central and North Cape sections Southwest Afognak and Southeast Afognak sections Foul Bay Special Harvest Area (FBSHA) Waterfall Bay Special Harvest Area (WBSHA) <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"> Reduced until 9:00 PM 6/29 at Saltery Creek Reduced until further notice in Afognak Bay Reduced until further notice in Foul Bay and Waterfall Bay
12	10:00 AM 7/3/15	Noon 7/6/15	<p><u>Opening</u> for 57 hours, until 9:00 PM 7/8:</p> <ul style="list-style-type: none"> Mainland District (except Wide Bay and Cape Igvak sections) Uyak Bay, Zachar Bay, Spiridon Bay, Inner Uganik Bay, Terror Bay, Sharatin Bay, and Anton Larsen Bay sections Northwest Afognak, Raspberry Strait, Shuyak Island, and Northeast Afognak Bay sections Northeast Kodiak District Eastside Kodiak District (except Pasagshak Bay)

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E.O. #	Issued	Effective	Action in Effect
12 (cont.)		9:00 PM 7/8/15	<p><u>Closure</u> in the following areas:</p> <ul style="list-style-type: none"> • Outer Karluk Section • Central and North Cape sections • Southwest Afognak and Southeast Afognak sections • Foul Bay Special Harvest Area • Waterfall Bay Special Harvest Area <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> • Reduced until 9:00 PM 7/8 in Foul Bay • Reduced until 9:00 PM 7/8 in Waterfall Bay • Reduced until 9:00 PM 7/8 in Afognak Bay for commercial fishing <p><u>Non-retention</u> of Chinook salmon 28 inches in length or greater until further notice:</p> <ul style="list-style-type: none"> • That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk
13	10:00 AM 7/5/15	Noon 7/6/15	<p><u>Opening</u> for 57 hours, until 9:00 PM 7/8:</p> <ul style="list-style-type: none"> • Outer Ayakulik and Halibut Bay sections • Cape Alitak, Humpy-Deadman, Alitak Bay, and Olga Bay sections <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> • Reduced until 9:00 PM 7/8 in Foul Bay • Reduced until 9:00 PM 7/8 in Waterfall Bay • Reduced until 9:00 PM 7/8 in Afognak Bay for commercial fishing <p><u>Non-retention</u> of Chinook salmon 28 inches in length or greater until further notice:</p> <ul style="list-style-type: none"> • That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk
14	10:00 AM 7/8/15	9:00 PM 7/8/15	<p><u>Extension</u> for 24 hours, until 9:00 PM 7/9, in the following areas:</p> <ul style="list-style-type: none"> • Outer Ayakulik and Halibut Bay sections • Cape Alitak, Humpy-Deadman, Alitak Bay, Moser Bay, and Olga Bay sections <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> • Reduced until 9:00 PM 7/8 in Foul Bay • Reduced until 9:00 PM 7/8 in Waterfall Bay • Reduced until 9:00 PM 7/8 in Afognak Bay for commercial fishing <p><u>Non-retention</u> of Chinook salmon 28 inches in length or greater until further notice:</p> <ul style="list-style-type: none"> • That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk
15	11:00 AM 7/10/15	Noon 7/11/15	<p><u>Opening</u> in the following area until further notice:</p> <ul style="list-style-type: none"> • Duck Bay Section

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E.O. #	Issued	Effective	Action in Effect
15 (cont.)		Noon 7/13/15	<p><u>Opening</u> for 57 hours until 9:00 PM 7/15:</p> <ul style="list-style-type: none"> • Outer Ayakulik, Halibut Bay, and Outer Karluk sections • Cape Alitak, Humpy-Deadman, Alitak Bay, Moser Bay, Olga Bay sections • Mainland District • Northwest Kodiak District • Northeast Kodiak District • Southwest Afognak, Southeast Afognak, Northwest Afognak, Raspberry Strait, Shuyak Island, Northeast Afognak sections, and that portion of Izhut Bay Section north of a line from Haystack Rock to Pillar Cape <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> • Reduced until 9:00 PM 7/15 in Saltery Cove <p><u>Non-retention</u> of Chinook salmon 28 inches in length or greater until further notice:</p> <ul style="list-style-type: none"> • That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk
16	10:30 AM 7/14/15	9:00 PM 7/15/15 9:00 PM 7/15/15 12:01 AM 7/16/15	<p><u>Extension</u> for 48 hours, until 9:00 PM 7/17:</p> <ul style="list-style-type: none"> • Outer Ayakulik and Halibut Bay sections • Cape Alitak, Alitak Bay, Moser Bay, and Olga Bay sections <p><u>Extension</u> until further notice in the following area:</p> <ul style="list-style-type: none"> • That portion of Izhut Bay Section north of a line from Haystack Rock to Pillar Cape <p><u>Opening</u> for 48 hours until 12:01 AM 7/18:</p> <ul style="list-style-type: none"> • Cape Igvak Section <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> • Duck Bay Section <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> • Reduced until 9:00 PM 7/15 in Saltery Cove <p><u>Non-retention</u> of Chinook salmon 28 inches in length or greater until further notice:</p> <ul style="list-style-type: none"> • That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk
17	10:30 AM 7/15/15	9:00 PM 7/15/15	<p><u>Extension</u> for 48 hours until 9:00 PM 7/17 in the following area:</p> <ul style="list-style-type: none"> • Outer Karluk Section • Humpy-Deadman Section • Northwest Kodiak District (except Kizhuyak Bay Section remains closed) • Southwest Afognak, Southeast Afognak, Northwest Afognak, Raspberry Strait, Shuyak Island, and Northeast Kodiak District sections • Northeast Kodiak District • Eastside Kodiak District (except Pasagshak Bay remains closed) <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> • Reduced until 9:00 PM 7/15 in Saltery Cove

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E.O. #	Issued	Effective	Action in Effect
17 (cont.)			<p>Open until further notice:</p> <ul style="list-style-type: none"> • Duck Bay Section • That portion of Izhut Bay Section north of a line from Haystack Rock to Pillar Cape <p><u>Non-retention</u> of Chinook salmon 28 inches in length or greater until further notice:</p> <ul style="list-style-type: none"> • That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk
18	Noon 7/15/15	3:00 PM 7/15/15	<p><u>Closure</u> in the following areas:</p> <ul style="list-style-type: none"> • The Seward Zones of the Dakavak Bay, Outer Kukak Bay, Hallo Bay, and Big River sections • The Seward Zones of the Northwest Afognak and Shuyak Island sections <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> • Duck Bay Section • That portion of Izhut Bay Section north of a line from Haystack Rock to Pillar Cape <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> • Reduced until 9:00 PM 7/17 in Saltery Cove <p><u>Non-retention</u> of Chinook salmon 28 inches in length or greater until further notice:</p> <ul style="list-style-type: none"> • That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk
19	10:30 AM 7/17/15	12:01 AM 7/18/15 Noon 7/20/15	<p><u>Extension</u> for 48 hours, until 10:01 AM 7/20:</p> <ul style="list-style-type: none"> • Cape Igvak Section <p><u>Opening</u> for 57 hours until 9:00 PM 7/22:</p> <ul style="list-style-type: none"> • Alinchak Bay, Katmai, Dakavak Bay, Outer Kukak Bay, Inner Kukak Bay, Hallo Bay, and Big River sections <p><u>Opening</u> for 105 hours until 9:00 PM 7/24:</p> <ul style="list-style-type: none"> • Outer Ayakulik, Halibut Bay, and Outer Karluk sections • Cape Alitak, Humpy-Deadman, Alitak Bay, Moser Bay, and Olga Bay sections • Northwest Kodiak District • Southwest Afognak, Southeast Afognak, Northwest Afognak, Raspberry Strait, Shuyak Island, Perenosa Bay, and Northeast Afognak sections • Northeast Kodiak District • Eastside District (except Pasagshak Bay) <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> • Reduced from Noon 7/20 until 9:00 PM 7/24 in Saltery Cove <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> • Duck Bay Section • That portion of Izhut Bay Section north of a line from Haystack Rock to Pillar Cape

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E.O. #	Issued	Effective	Action in Effect
19 (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"> That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk
20	10:00 AM 7/19/15	12:01 AM 7/20/15	<p><u>Extension</u> for 48 hours until 12:01 AM 7/22:</p> <ul style="list-style-type: none"> Cape Igvak Section <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> Reduced from Noon 7/20 until 9:00 PM 7/24 in Saltery Cove <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> Duck Bay Section That portion of Izhut Bay Section north of a line from Haystack Rock to Pillar Cape <p><u>Non-retention</u> of Chinook salmon 28 inches in length or greater until further notice:</p> <ul style="list-style-type: none"> That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk
21	10:00 AM 7/20/15	Noon 7/21/15	<p><u>Opening</u> until further notice:</p> <ul style="list-style-type: none"> Spiridon Bay Special Harvest Area <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> Reduced from Noon 7/20 until 9:00 PM 7/24 in Saltery Cove <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> Duck Bay Section That portion of Izhut Bay Section north of a line from Haystack Rock to Pillar Cape <p><u>Non-retention</u> of Chinook salmon 28 inches in length or greater until further notice:</p> <ul style="list-style-type: none"> That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk
22	11:00 AM 7/21/15	Noon 7/22/15	<p><u>Opening</u> for 57 hours, until 9:00 PM 7/24:</p> <ul style="list-style-type: none"> Dog Salmon Flats Section <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> Reduced from Noon 7/20 until 9:00 PM 7/24 in Saltery Cove <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> Duck Bay Section That portion of Izhut Bay Section north of a line from Haystack Rock to Pillar Cape Spiridon Bay Special Harvest Area
23	11:00 AM 7/22/15	12:01 AM 7/24/15	<p><u>Opening</u> for 48 hours until 12:01 AM 7/26:</p> <ul style="list-style-type: none"> Cape Igvak Section <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> Reduced from until 9:00 PM 7/24 in Saltery Cove

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E.O. #	Issued	Effective	Action in Effect
23 (cont.)			<p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> • Duck Bay Section • That portion of Izhut Bay Section north of a line from Haystack Rock to Pillar Cape • Spiridon Bay Special Harvest Area <p><u>Non-retention</u> of Chinook salmon 28 inches in length or greater until further notice:</p> <ul style="list-style-type: none"> • That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk
24	10:00 AM 7/24/15	9:00 PM 7/24/15	<p><u>Extension</u> for 48 hours until 9:00 PM 7/26:</p> <ul style="list-style-type: none"> • Outer Karluk Section • Cape Alitak, Humpy-Deadman, Alitak Bay, Moser Bay, Olga Bay, and Dog Salmon Flats sections • Northwest Kodiak District • Southwest Afognak, Southeast Afognak, Northwest Afognak, Raspberry Strait, Shuyak Island, Perenosa Bay, and Northwest Afognak sections • Northeast Kodiak District • Eastside Kodiak District (except Pasagshak Bay) <p>Noon 7/25/15</p> <p><u>Opening</u> for 36 hours until 9:00 PM 7/26:</p> <ul style="list-style-type: none"> • Sturgeon Section <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> • Reduced from Noon 9:00 PM 7/26 in Saltery Cove <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> • Duck Bay Section • That portion of Izhut Bay Section north of a line from Haystack Rock to Pillar Cape • Spiridon Bay Special Harvest Area <p><u>Non-retention</u> of Chinook salmon 28 inches in length or greater until further notice:</p> <ul style="list-style-type: none"> • That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk
25	10:00 AM 7/26/15	9:00 PM 7/26/15	<p><u>Extension</u> for 72 hours, until 9:00 PM 7/29:</p> <ul style="list-style-type: none"> • Outer Karluk and Sturgeon sections • Cape Alitak, Humpy-Deadman, Alitak Bay, Moser Bay, Olga Bay, and Dog Salmon Flats sections • Northwest Kodiak District • Southwest Afognak, Southeast Afognak, Northwest Afognak, Raspberry Strait, Shuyak Island, Perenosa Bay, and Northeast Afognak sections • Northeast Kodiak District • Eastside District (except Pasagshak Bay) <p>Noon 7/27/15</p> <p><u>Opening</u> for 57 hours until 9:00 PM 7/29:</p> <ul style="list-style-type: none"> • Mainland District

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E.O. #	Issued	Effective	Action in Effect
25 (cont.)			<p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> • Duck Bay Section • That portion of Izhut Bay Section north of a line from Haystack Rock to Pillar Cape • Spiridon Bay Special Harvest Area <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> • Reduced until 9:00 PM 7/29 in Saltery Cove <p><u>Non-retention</u> of Chinook salmon 28 inches in length or greater until further notice:</p> <ul style="list-style-type: none"> • That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk
26	10:15 AM 7/29/15	9:00 PM 7/29/15	<p><u>Extension</u> for 72 hours until 9:00 PM 8/1:</p> <ul style="list-style-type: none"> • Outer Karluk and Sturgeon sections • Cape Alitak, Humpy-Deadman, Alitak Bay, Moser Bay, Olga Bay, and Dog Salmon Flats section <p>9:00 PM 7/29/15</p> <p><u>Closure</u> in the following areas:</p> <ul style="list-style-type: none"> • Duck Bay Section • That portion of Izhut Bay Section north of a line from Haystack Rock to Pillar Cape <p>Noon 7/30/15</p> <p><u>Opening</u> for 57 hours until Noon 8/1:</p> <ul style="list-style-type: none"> • Outer Ayakulik and Halibut Bay sections <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> • Spiridon Bay Special Harvest Area <p><u>Non-retention</u> of Chinook salmon 28 inches in length or greater until further notice:</p> <ul style="list-style-type: none"> • That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> • Reduced until 9:00 PM 7/29 in Saltery Cove
27	10:00 AM 7/31/15	Noon 8/2/15	<p><u>Opening</u> for 81 hours, until 9:00 PM 8/5:</p> <ul style="list-style-type: none"> • Northwest Kodiak District • Afognak District (except Duck Bay, Izhut Bay, Inner Kitoi Bay, and Outer Kitoi Bay sections) • Northeast Kodiak District • Eastside Kodiak District (except Pasagshak Bay) • Mainland District <p>9:00 PM 8/1/15</p> <p><u>Extension</u> for 96 hours until 9:00 PM 8/5:</p> <ul style="list-style-type: none"> • Outer Karluk and Sturgeon sections • Cape Alitak, Humpy-Deadman, Alitak Bay, Moser Bay, Olga Bay, and Dog Salmon Flats sections

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E.O. #	Issued	Effective	Action in Effect
27 (cont.)			<p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> Reduced from Noon 8/2 until 9:00 PM 8/5 in Saltery Cove <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> Spiridon Bay Special Harvest Area <p><u>Non-retention</u> of Chinook salmon 28 inches in length or greater until further notice:</p> <ul style="list-style-type: none"> That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk
28	10:00 AM 8/5/15	Noon 8/6/15 9:00 PM 8/5/15	<p><u>Opening</u> for 81 hours until 9:00 PM 8/9:</p> <ul style="list-style-type: none"> Outer Ayakulik and Halibut Bay sections <p><u>Extension</u> for 96 hours until 9:00 PM 8/9:</p> <ul style="list-style-type: none"> Cape Alitak, Humpy-Deadman, Alitak Bay, Moser Bay, Olga Bay, and Dog Salmon Flats sections Outer Karluk and Sturgeon sections <p><u>Extension</u> for 24 hours until 9:00 PM 8/6:</p> <ul style="list-style-type: none"> Northwest Kodiak District Afognak District (except Duck Bay, Izhut Bay, Inner Kitoi Bay, and Outer Kitoi Bay sections) Northeast Kodiak District Eastside Kodiak District (except Pasagshak Bay) <p><u>Closed water adjustments:</u> Reduced from Noon 8/2 until 9:00 PM 8/6 in Saltery Cove</p> <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> Spiridon Bay Special Harvest Area <p><u>Non-retention</u> of Chinook salmon 28 inches in length or greater until further notice:</p> <ul style="list-style-type: none"> That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk
29	10:45 AM 8/6/15	9:00 PM 8/6/15 9:00 PM 8/8/15	<p><u>Extension</u> for 48 hours until 9:00 PM 8/8:</p> <ul style="list-style-type: none"> Northwest Kodiak District Afognak District (except Duck Bay, Izhut Bay, Inner Kitoi Bay, and Outer Kitoi Bay) Northeast Kodiak District Eastside Kodiak District (except Pasagshak Bay) <p><u>Closure</u> for the following area:</p> <ul style="list-style-type: none"> Spiridon Bay Special Harvest Area <p><u>Closed waters adjustments:</u></p> <ul style="list-style-type: none"> Increased to normal closed waters at Saltery Cove at 9:00 PM 8/6 <p><u>Non-retention</u> of Chinook salmon 28 inches in length or greater until further notice:</p> <ul style="list-style-type: none"> That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk

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E.O. #	Issued	Effective	Action in Effect
30	9:00 AM 8/8/15	9:00 PM 8/8/15	<p><u>Extension</u> until further notice::</p> <ul style="list-style-type: none"> • Northeast Kodiak District • Eastside Kodiak District (except Pasagshak Bay) • Humpy-Deadman Section <p><u>Extension</u> for 96 hours until 9:00 PM 8/12:</p> <ul style="list-style-type: none"> • Afognak District (except Duck Bay, Izhut Bay, Inner Kitoi Bay, and Outer Kitoi Bay) • Northwest Kodiak District • Outer Karluk and Sturgeon sections • Dog Salmon Flats Section <p>Noon 8/9/15</p> <p><u>Opening</u> for 81 hours until 9:00 PM 8/12:</p> <ul style="list-style-type: none"> • Mainland District <p>9:00 PM 8/9/15</p> <p><u>Extension</u> for 72 hours until 9:00 PM 8/12:</p> <ul style="list-style-type: none"> • Dog Salmon Flats Section <p><u>Non-retention</u> of Chinook salmon 28 inches in length or greater until further notice:</p> <ul style="list-style-type: none"> • That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk
31	10:00 AM 8/12/15	9:00 PM 8/12/15	<p><u>Extension</u> until further notice:</p> <ul style="list-style-type: none"> • Outer Karluk and Sturgeon sections • Mainland District <p><u>Extension</u> for 69 hours until 6:00 PM 8/15:</p> <ul style="list-style-type: none"> • Afognak District (except Duck Bay, Izhut Bay, Inner Kitoi Bay, and Outer Kitoi Bay sections) • Northwest Kodiak District • Dog Salmon Flats Section <p>Noon 8/13/15</p> <p><u>Opening</u> for 33 hours until 9:00 PM 8/14:</p> <ul style="list-style-type: none"> • Spiridon Bay Special Harvest Area <p><u>Opening</u> for 78 hours until 6:00 PM 8/16:</p> <ul style="list-style-type: none"> • Outer Ayakulik Section <p><u>Opening</u> until further notice:</p> <ul style="list-style-type: none"> • Halibut Bay Section <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> • Northeast Kodiak District • Eastside Kodiak District (except Pasagshak Bay) • Humpy-Deadman Section <p><u>Non-retention</u> of Chinook salmon 28 inches in length or greater until further notice:</p> <ul style="list-style-type: none"> • That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk

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E.O. #	Issued	Effective	Action in Effect
32	4:00 PM 8/14/15	6:00 PM 8/15/15	<p><u>Extension</u> for 96 hours, until 6:00 PM 8/19:</p> <ul style="list-style-type: none"> • Southwest Afognak, Northwest Afognak, Northeast Afognak, Southeast Afognak, and Raspberry Strait sections • Northwest Kodiak District • Outer Ayakulik Section <p><u>Closure</u> for the following areas:</p> <ul style="list-style-type: none"> • Shuyak Island, Pauls Bay, and Perenosa Bay sections • Dog Salmon Flats Section <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> • Northeast Kodiak District • Eastside Kodiak District (except Pasagshak Bay) • Humpy-Deadman Section • Outer Karluk, Sturgeon, and Halibut Bay sections • Mainland District <p><u>Non-retention</u> of Chinook salmon 28 inches in length or greater until further notice:</p> <ul style="list-style-type: none"> • That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk
33	10:00 AM 8/18/15	Noon 8/19/15 6:00 PM 8/19/15	<p><u>Opening</u> for 78 hours until 6:00 PM 8/22:</p> <ul style="list-style-type: none"> • Inner Karluk Section <p><u>Extension</u> until further notice:</p> <ul style="list-style-type: none"> • Southwest Afognak, Northwest Afognak, Northeast Afognak, Southeast Afognak, and Raspberry Strait sections • Northwest Kodiak District • Outer Ayakulik Section <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> • Northeast Kodiak District • Eastside Kodiak District (except Pasagshak Bay) • Humpy-Deadman Section • Outer Karluk, Sturgeon, and Halibut Bay sections • Mainland District <p><u>Non-retention</u> of Chinook salmon 28 inches in length or greater until further notice:</p> <ul style="list-style-type: none"> • That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk
34	4:00 PM 8/21/15	6:00 PM 8/22/15	<p><u>Extension</u> for 96 hours until 6:00 PM 8/26:</p> <ul style="list-style-type: none"> • Inner Karluk Section

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E.O. #	Issued	Effective	Action in Effect
34 (cont.)			<p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> • Northeast Kodiak District • Northwest Kodiak District • Eastside Kodiak District (except Pasagshak Bay) • Southwest Afognak, Northwest Afognak, Northeast Afognak, Southeast Afognak, and Raspberry Strait sections • Humpy-Deadman Section • Outer Karluk, Sturgeon, Halibut Bay, and Outer Ayakulik sections • Mainland District <p><u>Non-retention</u> of Chinook salmon 28 inches in length or greater until further notice:</p> <ul style="list-style-type: none"> • That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk
35	10:00 AM 8/22/15	Noon 8/24/15	<p><u>Opening</u> until further notice:</p> <ul style="list-style-type: none"> • Duck Bay Section <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> • Northeast Kodiak District • Northwest Kodiak District • Eastside Kodiak District (except Pasagshak Bay) • Southwest Afognak, Northwest Afognak, Northeast Afognak, Southeast Afognak, and Raspberry Strait sections • Humpy-Deadman Section • Outer Karluk, Sturgeon, Halibut Bay, and Outer Ayakulik sections • Mainland District <p><u>Non-retention</u> of Chinook salmon 28 inches in length or greater until further notice:</p> <ul style="list-style-type: none"> • That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk
36	11:30 AM 8/26/15	6:00 PM 8/26/15 Noon 8/27/15	<p><u>Extension</u> for 96 hours until 6:00 PM 8/30:</p> <ul style="list-style-type: none"> • Inner Karluk Section <p><u>Opening</u> until further notice:</p> <ul style="list-style-type: none"> • Izhut Bay Section <p><u>Opening</u> until further notice:</p> <ul style="list-style-type: none"> • Pasagshak Bay of the Eastside District <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> • Northeast Kodiak District • Northwest Kodiak District • Eastside Kodiak District (except Pasagshak Bay opens 8/27) • Southwest Afognak, Northwest Afognak, Northeast Afognak, Southeast Afognak, Duck Bay, and Raspberry Strait sections • Humpy-Deadman Section • Outer Karluk, Sturgeon, Halibut Bay, and Outer Ayakulik sections • Mainland District

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E.O. #	Issued	Effective	Action in Effect
36 (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"> • That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk
37	11:30 AM 8/28/15	Noon 8/29/15	<p><u>Opening</u> for 4 hours until 4:00 PM 8/29/15:</p> <ul style="list-style-type: none"> • Inner Kitoi Bay Section <p><u>Opening</u> until further notice:</p> <ul style="list-style-type: none"> • Outer Kitoi Bay Section <p><u>Closed Water Adjustments:</u></p> <ul style="list-style-type: none"> • Reduced to Little Kitoi Creek • Increased at Big Kitoi Creek. <p>6:00 PM 8/31/15</p> <p><u>Closure</u> in the following areas:</p> <ul style="list-style-type: none"> • Northeast Kodiak District • Eastside Kodiak District • Mainland District • Northwest Afognak, Northeast Afognak, Southeast Afognak, Raspberry Strait sections • Humpy-Deadman Section <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> • Northwest Kodiak District • Southwest Afognak, Izhut Bay, and Duck Bay sections • Outer Karluk, Sturgeon, Halibut Bay, and Outer Ayakulik sections <p><u>Non-retention</u> of Chinook salmon 28 inches in length or greater until further notice:</p> <ul style="list-style-type: none"> • That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk
38	10:00 AM 8/30/15	6:00 PM 8/30/15	<p><u>Extension</u> until further notice:</p> <ul style="list-style-type: none"> • Inner Karluk Section <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> • Northwest Kodiak District • Southwest Afognak, Izhut Bay, Duck Bay, and Outer Kitoi Bay sections • Outer Karluk, Sturgeon, Halibut Bay, and Outer Ayakulik sections <p><u>Non-retention</u> of Chinook salmon 28 inches in length or greater until further notice:</p> <ul style="list-style-type: none"> • That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk

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E.O. #	Issued	Effective	Action in Effect
39	11:30 AM 8/30/15	6:00 PM 8/31/15	<p><u>Extension</u> until 6:00 PM 9/3:</p> <ul style="list-style-type: none"> • Northeast Kodiak District • Eastside Kodiak District • Mainland District • Northwest Afognak, Northeast Afognak, Southeast Afognak, and Raspberry Strait sections • Humpy-Deadman Section <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> • Northwest Kodiak District • Southwest Afognak, Izhut Bay, Duck Bay, and Outer Kitoi Bay sections • Inner Karluk, Outer Karluk, Sturgeon, Halibut Bay, and Outer Ayakulik sections <p><u>Non-retention</u> of Chinook salmon 28 inches in length or greater until further notice:</p> <ul style="list-style-type: none"> • That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk
40	11:00 AM 9/2/15	Noon 9/3/15 6:00 PM 9/3/15	<p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> • Reduced until further notice in Inner Karluk Section to Karluk Lagoon exit channel terminus <p><u>Extension</u> for 48 hours until 6:00 PM 9/5:</p> <ul style="list-style-type: none"> • Northeast Kodiak District • Eastside Kodiak District • Northwest Afognak, Northeast Afognak, Southeast Afognak, and Raspberry Strait sections <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> • Northwest Kodiak District • Southwest Afognak, Izhut Bay, Duck Bay, and Outer Kitoi Bay sections • Inner Karluk, Outer Karluk, Sturgeon, Halibut Bay, and Outer Ayakulik sections <p><u>Non-retention</u> of Chinook salmon 28 inches in length or greater until further notice:</p> <ul style="list-style-type: none"> • That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk
41	11:45 AM 9/3/15	Noon 9/4/15	<p><u>Opening</u> for 54 hours until 6:00 PM 9/6:</p> <ul style="list-style-type: none"> • Inner Kitoi Bay Section <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> • Reduced until 6:00 PM 9/6 at the terminus of Little Kitoi Creek and the barrier seine at Big Kitoi Creek

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41 (cont.)			<p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> • Northwest Kodiak District • Southwest Afognak, Izhut Bay, Duck Bay, and Outer Kitoi Bay sections • Inner Karluk, Outer Karluk, Sturgeon, Halibut Bay, and Outer Ayakulik sections <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> • Reduced until further notice in Inner Karluk Section to Karluk Lagoon exit channel terminus <p><u>Non-retention</u> of Chinook salmon 28 inches in length or greater until further notice:</p> <ul style="list-style-type: none"> • That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk
42	11:00 AM 9/10/15	Noon 9/12/15	<p><u>Opening</u> for 54 hours until 6:00 PM 9/14:</p> <ul style="list-style-type: none"> • Eastside Kodiak District • Southeast Afognak Section <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> • Northwest Kodiak District • Southwest Afognak, Izhut Bay, Duck Bay, and Outer Kitoi Bay sections • Inner Karluk, Outer Karluk, Sturgeon, Halibut Bay, and Outer Ayakulik sections <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> • Reduced until further notice in Inner Karluk Section to Karluk Lagoon exit channel terminus <p><u>Non-retention</u> of Chinook salmon 28 inches in length or greater until further notice:</p> <ul style="list-style-type: none"> • That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk
43	10:00 AM 9/18/15	Noon 9/19/15	<p><u>Opening</u> for 102 hours until 6:00 PM 9/23:</p> <ul style="list-style-type: none"> • Eastside Kodiak District • Southeast Afognak Section <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> • Northwest Kodiak District • Southwest Afognak, Izhut Bay, Duck Bay, and Outer Kitoi Bay sections • Inner Karluk, Outer Karluk, Sturgeon, Halibut Bay, and Outer Ayakulik sections <p><u>Closed water adjustments:</u></p> <ul style="list-style-type: none"> • Reduced until further notice in Inner Karluk Section to Karluk Lagoon exit channel terminus <p><u>Non-retention</u> of Chinook salmon 28 inches in length or greater until further notice:</p> <ul style="list-style-type: none"> • That portion of the Northwest Kodiak and Southwest Kodiak districts south of the latitude of Cape Kuliuk

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 harvest¹. 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 (Jackson 2015).

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 11.8% 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 37 years the plan has been in place (Appendices C3 and C4).

2015 Cape Igvak Fishery

Early Run

The 2015 preseason forecast for the Chignik system predicted a return of approximately 1,320,000 early-run (Black Lake) sockeye salmon. The early-run escapement goal is 350,000 to 450,000 sockeye salmon through late July (Sagalkin et al. 2013). This left a forecasted harvestable surplus of 970,000 early-run sockeye salmon (Munro 2015).

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¹ 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 Chignik sockeye salmon early run appeared to be below forecast and the allocative requirements were not met prior to the “overlap period” between the first and second runs (June 26 to July 9), therefore the allocation fishery within Cape Igvak was not open to commercial fishing prior to June 26. The CISMP provides that during the overlap period the Cape Igvak Section shall remain closed or severely limited until the strength of the late run (Chignik Lake) can be assessed. Throughout the overlap period genetic stock identification information collected at the Chignik River weir indicated the Chignik early-run was arriving exceptionally late and that a harvestable surplus was available. Despite the late run timing and harvestable surplus of the Chignik early run, in accordance with the CISMP, the Cape Igvak fishery remained closed during the overlap period from June 26 through July 8.

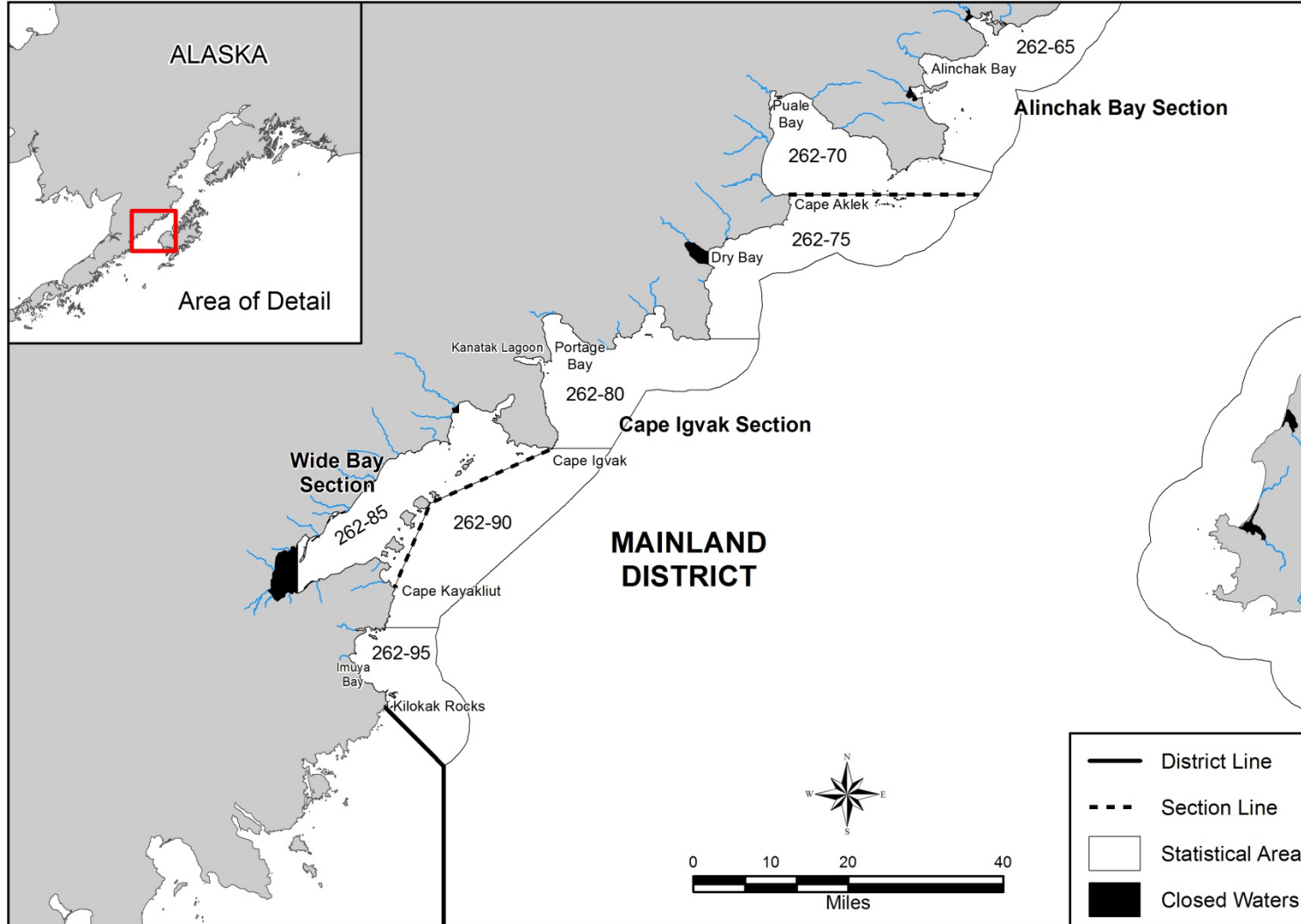
Late Run

The preseason forecast for late-run (Chignik Lake) sockeye salmon was approximately 1,217,000 fish in 2015. The late-run escapement objective was 250,000 to 400,000 sockeye salmon (Sagalkin et al. 2013) resulting in a harvestable surplus forecast of 967,000 sockeye salmon (Munro 2015).

Adequate Chignik late-run (Chignik Lake) escapement and a harvestable surplus of Chignik early-run fish allowed for liberal commercial fishing time within the Chignik Area from the overlap period through the end of the allocation period. After the department determined that the allocative criteria were met, a commercial fishing period was announced for July 16 in the Cape Igvak Section. Due to limited fishing effort and low harvest rates of sockeye salmon the Cape Igvak Section was open for the majority of the remainder of the allocation fishery. For the 2015 Cape Igvak allocation period the cumulative total harvest of Chignik-bound sockeye salmon was 5,936 fish or 0.53% of the total Chignik sockeye salmon harvest (Appendix C3). The allocation period cumulative harvest from the Cape Igvak Section was 6,595 sockeye salmon.

REFERENCES CITED

- Jackson, J. 2015. Kodiak Management Area harvest strategy for the 2015 commercial salmon fishery. Alaska Department of Fish and Game, Fishery Management Report No. 15-16, Anchorage.
- Munro, A. R., editor. 2015. Run forecasts and harvest projections for 2015 Alaska salmon fisheries and review of the 2014 season. Alaska Department of Fish and Game, Special Publication No. 15-04, Anchorage.
- Sagalkin, N. H., A. St. Saviour, J. W. Erickson, and H. Finkle. 2013. Review of salmon escapement goals in the Chignik Management Area, 2013. Alaska Department of Fish and Game, Fishery Manuscript Series No. 13-06, Anchorage.



Appendix C2.—Map of the Cape Igvak Section of the Kodiak Management Area, 2015.

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 2015.

Year	Chignik		Cape Igvak ^a		Southeastern District Mainland ^a		Total
	Catch ^b	Percent	Catch ^b	Percent	Catch ^b	Percent	
1978 ^c	1,454,389	86.60	225,078	13.40	N/A	N/A	1,679,467
1979 ^d	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 ^e	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	^f	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 ^g	1,962,583	80.45	324,195	13.29	152,714	6.26	2,439,492
1992 ^h	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 ⁱ	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 ^j	1,710,249	79.70	308,327	14.37	127,201	5.93	2,145,777
1997	443,892	100.00	^f	0.00	^f	0.00	443,892
1998 ^k	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 ^l	1,134,991	79.41	215,214	15.06	79,037	5.53	1,429,242
2002 ^m	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 ⁿ	601,213	91.97	52,527	8.03	^f	0.00	653,740
2008	455,199	100.00	^f	0.00	^f	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	^f	0.00	^f	0.00	330,302

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Year	Chignik		Cape Igvak ^a		Southeastern District Mainland ^a		Total
	Catch ^b	Percent	Catch ^b	Percent	Catch ^b	Percent	
2015	1,014,550	90.67	5,936	0.53	98,473	9.71	1,118,959

^a 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 Board of Fisheries increased the percentage of the sockeye salmon harvest considered to be Chignik bound from 80% to 90%.

^b 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.

^c 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.

^d 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.

^e 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.

^f No fishery.

^g Includes overescapement of 208,305 sockeye salmon counted through the Chignik weir during a Chignik Area seiners strike (June 23 to July 4).

^h 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.

ⁱ Includes overescapement of 208,921 sockeye salmon counted through the Chignik weir during a Chignik Area seiners strike (June 2 to June 25).

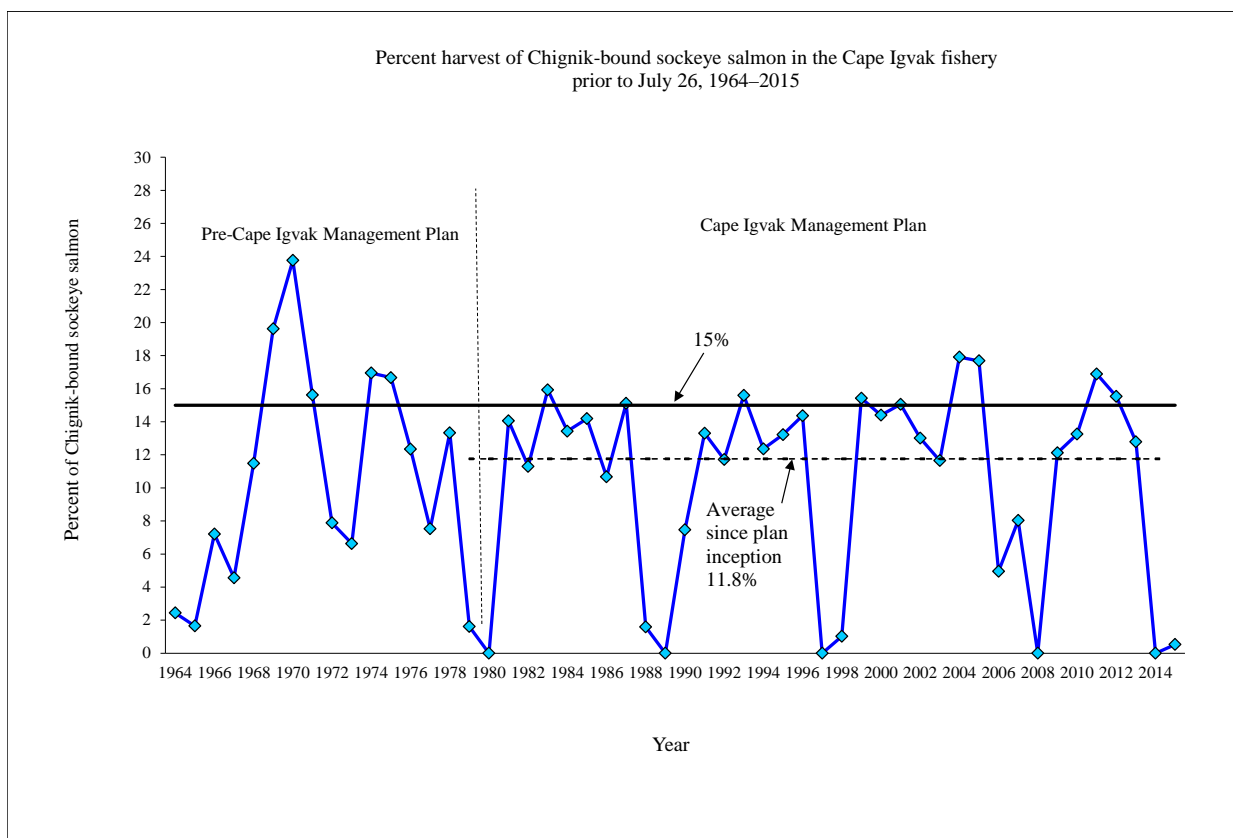
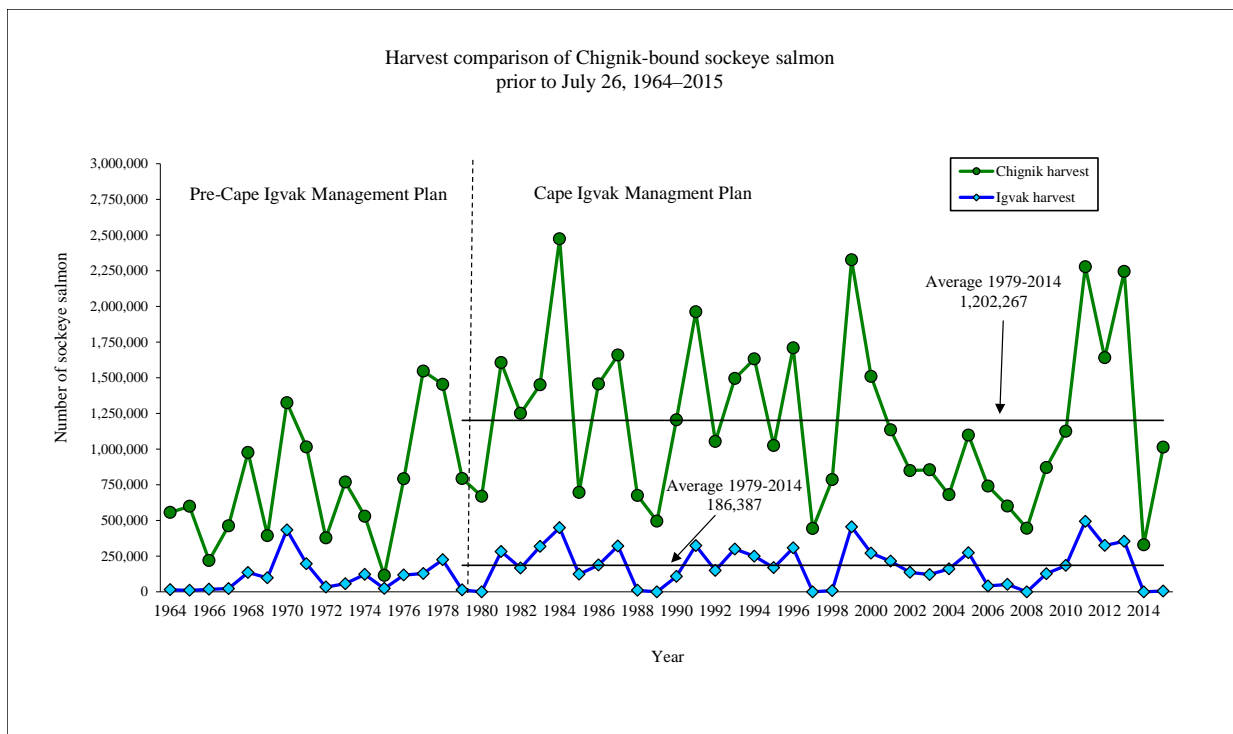
^j In January 1996, the BOF increased the area managed for local Orzinski Lake sockeye salmon from only Orzinski Bay to the entire Northwest Stepovak Section. Prior to July 1, the entire Northwest Stepovak Section will be managed by allocation based on Chignik sockeye salmon run strength. Beginning July 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%.

^k 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).

^l 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).

^m 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.

ⁿ In 2007, the BOF changed the Southeastern District Mainland allocation from 6.0% of the total Chignik-bound harvest to 7.6% of the total Chignik Area harvest.



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

Appendix C5.—Purse seine daily harvest, by species, for the Cape Igvak sockeye salmon fishery, 2015.

Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
First Period (July 16–July 19)												
16-Jul	4	4	1	4	1,083	5,418	531	3,190	20,175	60,791	568	4,459
17-Jul	3	3	0	0	246	1,317	58	380	2,606	10,177	210	1,398
18-Jul	11	11	1	14	3,275	18,381	1,023	6,675	35,538	110,687	2,623	20,291
19-Jul ^a												
Season Total	15	20	2	18	6,595	35,075	2,052	12,888	69,779	216,038	4,597	35,723
Avg.Wt.				8.9		5.3		6.3		3.1		7.8

^a Confidential.

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 (Jackson 2015).

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; beginning in 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 early-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)) (Jackson 2015). 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.

2015 Alitak Fishery

The total run forecast for the Upper Station early run was 96,000 sockeye salmon, with an estimated harvestable surplus of approximately 30,000. The 2015 total run forecast for the Frazer Lake system was 441,000 sockeye salmon (Munro and Tide 2014), with an estimated harvestable surplus of approximately 304,000 sockeye salmon. The total run forecast for Upper Station late run was 217,000 sockeye salmon, with an estimated harvestable surplus of approximately 31,000 sockeye salmon (Munro 2015).

The early-run Upper Station sockeye salmon run has a 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 2015 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 Lake fish pass) below the outlet

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of the lake. Over the years an increasing number of sockeye salmon have not escaped 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 20,500 fish. The 2015 targeted Dog Salmon weir sockeye salmon escapement was determined to be 137,000 fish. However, if appropriate, the Dog Salmon weir target escapement goal will also be further increased to account for jack sockeye salmon. The Upper Station late run has a BEG of 120,000 to 265,000 fish. The 2015 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. For 2014 and 2015, when the total number of jacks counted through Dog Salmon weir exceeded 10% of the overall cumulative sockeye salmon counted through the weir, then jacks in excess of 10% were not considered toward the inseason management objectives. To further limit the number of jacks that could potentially spawn, jacks were also trapped and culled prior to passing the Dog Salmon weir. It was anticipated that the 2015 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; or 190,000 fish past Dog Salmon weir.

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

The *Alitak District Management Plan* (ADMP; 5AAC 18.361) states that to the extent possible 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 terminal Dog Salmon Flats Section of the Alitak District must be managed based on only Frazer system sockeye and pink salmon.

In May and early June, early-run escapement through the Upper Station weir was weak. 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), a 33-hour test fishery in early June did not take place.

By June 18, early-run escapement through the Upper Station weir had improved (Fuerst *In prep*) and the department projected to meet the lower value of the escapement goal (BEG 43,000 fish; Sagalkin et al. 2013). Early escapement through Dog Salmon weir was strong and the department announced a 33-hour commercial salmon fishing period in the traditional fishing areas of the Alitak District beginning on June 21. Harvest was well below average and the fishery shut down as scheduled on June 22.

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By July 4, early-run escapement through the Upper Station weir continued to improve and the escapement through Dog Salmon weir was strong. On July 5 the department announced a 57-hour commercial salmon fishing period in the traditional fishing areas of the Alitak District beginning on July 6. Harvest was below average did little to slow sockeye salmon escapement past the Dog Salmon weir, therefore the fishery was extended for an additional 48 hours until July 8. The fishing period was then allowed to close to increase Upper Station sockeye salmon and Dog Salmon non-jack sockeye salmon escapements.

On July 11, early pink salmon escapement through Dog Salmon weir began to increase well above escapement needs for that date. Likewise, Dog Salmon sockeye salmon escapement (both jack and non-jack adult) continued to be strong and the department announced a 57-hour commercial salmon fishing period in the traditional fishing areas of the Alitak District beginning on July 13. Harvest of both sockeye and pink salmon were above average and the fishery was extended for another 48 hours until July 17. By the end of the fishing period, nearly 30% of the daily sockeye salmon escapement past Dog Salmon weir were jacks, and the department allowed the fishery to close for two days to allow for more non jack adult sockeye salmon. The final 2015 early run sockeye salmon escapement at Upper Station weir (through July 15) was 54,473 sockeye salmon, within the established BEG of 43,000 to 93,000 fish (Sagalkin et al. 2013; Fuerst *In prep*).

On July 18 a large buildup of mostly pink salmon were observed on the Dog Salmon Flats. With continued strong sockeye salmon escapement past Dog Salmon weir, the department reopened the traditional fishing areas for 105 hours beginning July 20. Harvests of both pink and sockeye salmon were above average, and the department announced a 57-hour commercial salmon fishing period in the Dog Salmon Flats Section of the Alitak District beginning July 22.

From July 22 until August 9, both the traditional fishing areas and the terminal Dog Salmon Flats sections of the Alitak District were extended to control both strong pink and sockeye salmon escapement through Dog Salmon weir.

The *Alitak District Management Plan* (ADMP; 5AAC 18.361) states that after August 10, the traditional areas of the Alitak District are managed based on late-run sockeye salmon to Upper Station. However, the terminal Dog Salmon Flats Section of the Alitak District remains managed based on sockeye and pink salmon returning to Frazer. Although the Dog Salmon weir was removed for the season, and the daily jack percentage was high, the department continued to extend the terminal Dog Salmon Flats Section until August 15 to harvest excess pink and sockeye salmon.

The final 2015 sockeye salmon escapement at Dog Salmon weir was 235,813 fish (Fuerst *In prep*). The final 2015 Frazer fish pass escapement was 219,093 sockeye salmon, above the established BEG of 75,000 to 170,000 fish (Sagalkin et al 2013; Fuerst *In prep*). For 2015, an estimated total of 16,720 sockeye salmon were enumerated at the Dog Salmon weir but did not ascend the Frazer fish pass. A total of 11,647 jack sockeye salmon were culled at Dog Salmon weir. A total of 44,463 jack sockeye salmon (18.5% of the Dog Salmon escapement) were allowed to pass the Dog Salmon weir. A total of 48,390 jack sockeye salmon passed the Frazer fish pass, bringing the non-jack adult total sockeye salmon escaped into Frazer fish pass to 170,703 fish (Wattum *In prep*).

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The *Alitak District Management Plan* (ADMP; 5AAC 18.361) states that during odd-numbered years, from August 10 through August 25, commercial salmon fishing must be managed in the traditional fishing areas based on sockeye salmon returning to the Upper Station system. Late-run sockeye salmon escapement through Upper Station weir was very weak, and no fishing time was allowed in the traditional fishing areas for the remainder of the season. The 2015 Upper Station late-run cumulative escapement was 132,864 sockeye salmon, within the established BEG of 120,000 to 265,000 fish (Sagalkin et al 2013; Fuerst *In prep*).

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 15, HDS was extended for an additional 48 hours until July 17. Pink salmon harvest, early aerial surveys and Dog Salmon weir pink salmon escapement indicated an above average abundance of pink salmon in the Alitak District. On July 20, HDS opened for 105 hours for the third scheduled pink salmon opening. Again, pink salmon harvest, early aerial surveys, and Dog Salmon weir pink salmon escapement indicated an above average abundance of pink salmon in the Alitak District, and the fishery in the HDS was continually extended through the end of the season. In total, 4,918,958 pink salmon were harvested in the HDS, the second largest amount ever for the HDS. The Alitak District also escaped 1,724,659 pink salmon in 2015, more than any other district in the Kodiak Area (Fuerst *In prep*).

Season Totals

In 2015, set gillnet harvest in the Olga Bay Section (statistical area 257-40) by 23 permit holders included 24,133 sockeye, 225 coho, 10,435 pink, and 1,598 chum salmon (Appendix D3). Set gillnet harvest in the Moser Bay Section (statistical area 257-43) by 23 permit holders included 35,326 sockeye, 1,140 coho, 20,746 pink, and 2,054 chum salmon (Appendix D3). Set gillnet harvest in the Alitak Bay Section (statistical area 257-41) by 27 permit holders included 4 Chinook, 52,538 sockeye, 1,742 coho, 26,235 pink, and 3,581 chum salmon (Appendix D3). Set gillnet harvest in the Dog Salmon Flats Section (statistical area 257-42) by 17 permit holders included 24,490 sockeye, 169 coho, 19,081 pink, and 1,469 chum salmon (Appendix D3).

In 2015, seine harvest in the Cape Alitak Section (statistical areas 257-10 and -20) by 41 permit holders included 1,441 Chinook, 151,793 sockeye, 11,835 coho, 817,117 pink, and 17,226 chum salmon (Appendix D4). Seine harvest in the Humpy-Deadman Section (statistical areas 257-50, -60, and -70) by 42 permit holders included 103 Chinook, 76,666 sockeye, 4,736 coho, 4,918,958 pink, and 26,754 chum salmon (Appendix D4)..

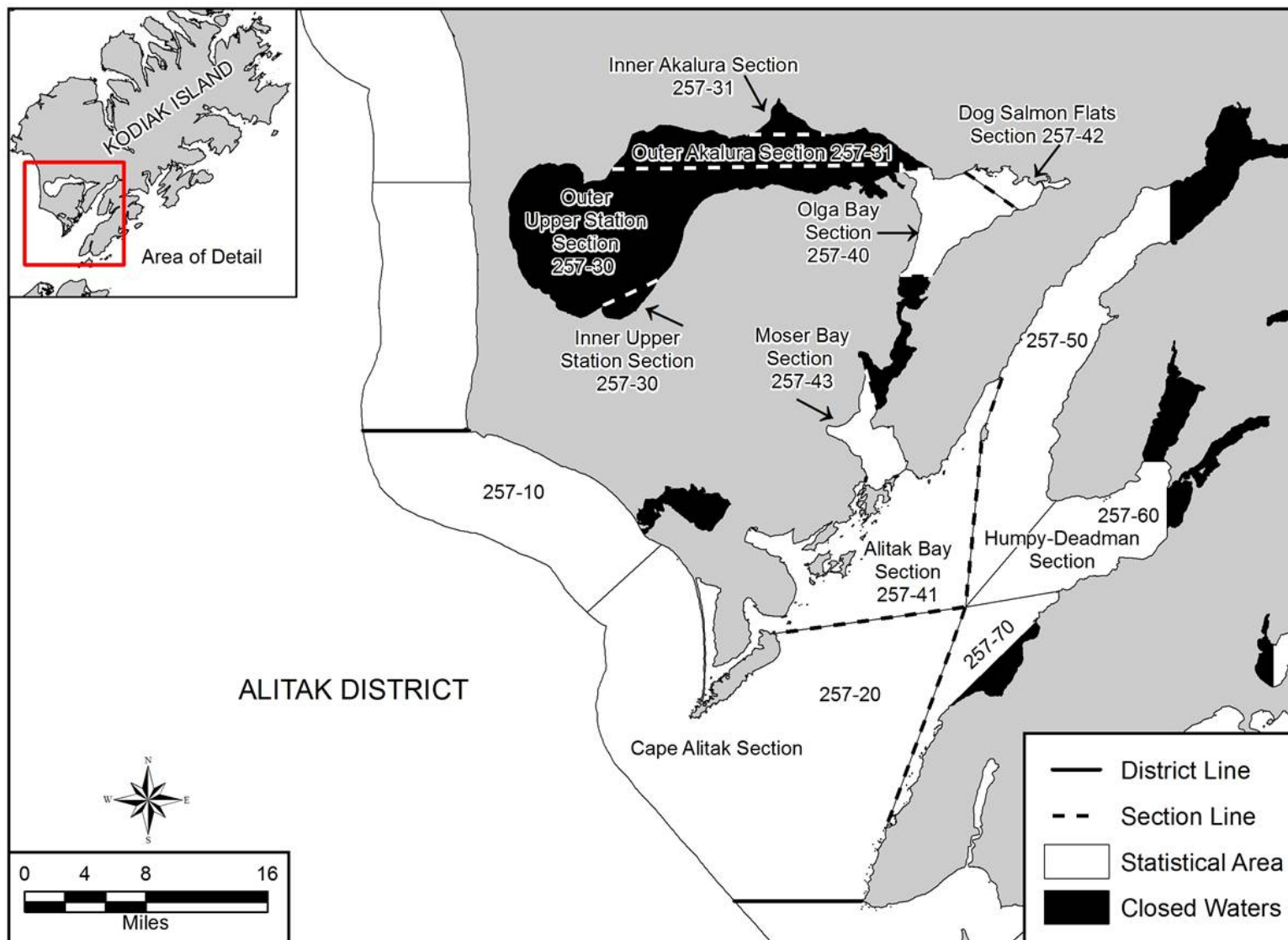
A total of 51 purse seine permit holders fished in the Alitak District in 2015 with a total harvest of 1,544 Chinook (99% of the total AD Chinook harvest), 228,459 sockeye (63%), 16,571 coho (17%), 4,918,958 pink (99%), and 43,980 chum salmon (66%; Appendices D4, D5, and D6). A total of 59 gillnet permit holders fished in AD and harvested 10 Chinook (1%), 136,487 (37%), 3,276 coho (47%), 76,497 pink (1%), and 8,702 chum salmon (17%; Appendices D3, D5, and D6).

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Appendix D2.—Map of the Alitak District showing sections, statistical areas, and closed waters, 2015.



Appendix D3.—Set gillnet daily salmon harvest, by species and section, for the Alitak District, 2015.

Statistical				Chinook		Sockeye		Coho		Pink		Chum	
Area	Date	Permits	Landings	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Olga Bay Section 257-40	21-Jun	7	7	0	0	766	3,677	0	0	3	11	20	128
	22-Jun	8	10	0	0	200	960	0	0	2	7	58	376
	27-Jun	8	9	0	0	1,341	6,339	0	0	20	67	179	1,275
	28-Jun	6	6	0	0	441	2,116	0	0	11	40	50	349
	29-Jun	8	9	0	0	201	843	2	14	8	30	41	260
	30-Jun	6	6	0	0	186	832	2	12	10	36	9	60
	1-Jul	7	9	0	0	202	861	0	0	15	56	39	204
	6-Jul	7	7	0	0	1,546	7,115	8	48	1,049	4,001	138	1,007
	7-Jul	9	10	0	0	934	4,006	11	76	764	3,200	216	1,510
	8-Jul	5	5	0	0	88	423	4	26	105	386	9	71
	9-Jul	12	14	0	0	585	2,946	6	38	468	1,948	128	902
	13-Jul	11	13	0	0	2,074	9,570	7	54	543	2,171	110	830
	14-Jul	10	16	0	0	1,399	5,913	22	125	529	2,062	107	787
	15-Jul	8	10	0	0	721	3,619	18	120	374	1,561	82	621
	16-Jul	4	5	0	0	169	857	7	30	86	358	17	130
	17-Jul	3	4	0	0	152	765	7	47	35	129	19	105
	20-Jul	10	14	0	0	2,347	11,645	6	46	473	1,911	42	294
	21-Jul	8	11	0	0	900	4,504	14	91	198	715	22	164
	22-Jul	3	3	0	0	188	938	0	0	43	149	16	120
	23-Jul	5	5	0	0	234	1,175	1	8	141	494	5	39
	24-Jul	4	5	0	0	551	2,753	9	61	199	673	6	46
	25-Jul	4	4	0	0	368	1,837	4	29	118	416	1	8
	26-Jul	4	4	0	0	259	1,289	7	52	94	331	4	28
	27-Jul	4	6	0	0	772	3,860	10	68	170	592	3	21
	28-Jul	4	5	0	0	734	3,716	2	13	179	619	4	24
	29-Jul	4	5	0	0	670	3,343	4	29	215	752	15	111
	30-Jul	4	4	0	0	552	2,763	4	26	144	504	6	44
	31-Jul	5	7	0	0	1,104	5,518	2	17	372	1,369	8	60
	1-Aug	4	5	0	0	799	3,999	0	0	318	1,115	23	177

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Statistical				Chinook		Sockeye		Coho		Pink		Chum	
Area	Date	Permits	Landings	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Olga Bay Section 257-40 (cont.)	2-Aug	6	6	0	0	712	3,560	2	12	358	1,356	23	182
	3-Aug	6	7	0	0	739	3,687	7	46	624	2,230	29	236
	4-Aug	4	4	0	0	341	1,704	13	79	451	1,576	23	171
	5-Aug	5	5	0	0	349	1,701	9	77	479	1,673	46	365
	6-Aug	5	5	0	0	571	2,571	11	80	587	2,182	45	333
	7-Aug	3	4	0	0	393	1,968	3	20	530	2,022	23	163
	8-Aug	4	4	0	0	310	1,554	16	93	391	1,398	17	116
	9-Aug	4	4	0	0	235	1,176	7	46	329	1,283	15	105
Total		23	257	0	0	24,133	116,103	225	1,483	10,435	39,423	1,598	11,422
Average weight					0.0		4.81		6.59		3.78		7.15
Moser Bay Section (257-43)	21-Jun	8	8	0	0	672	3,235	1	5	1	3	8	54
	22-Jun	9	12	0	0	871	4,352	0	0	1	3	15	119
	27-Jun	7	7	0	0	776	3,839	0	0	16	48	57	422
	28-Jun	8	12	1	15	849	4,236	1	5	40	134	47	410
	29-Jun	7	7	0	0	572	2,823	0	0	28	84	54	453
	30-Jun	8	11	0	0	700	3,502	5	25	28	90	72	590
	1-Jul	9	12	1	19	912	4,467	8	50	62	191	77	593
	6-Jul	6	6	0	0	703	3,345	20	119	911	3,473	109	726
	7-Jul	8	8	0	0	897	4,390	46	264	907	3,328	122	1,018
	8-Jul	10	14	2	23	1,044	4,690	67	398	1,295	4,782	173	1,259
	9-Jul	9	14	0	0	813	3,873	210	1,183	1,911	6,809	201	1,206
	13-Jul	9	9	0	0	1,761	8,399	47	289	629	2,194	57	485
	14-Jul	8	15	0	0	2,374	11,771	64	382	1,159	4,075	113	816
	15-Jul	8	8	1	13	1,474	7,157	52	307	740	2,449	47	391
	16-Jul	10	12	0	0	1,125	5,635	35	214	301	1,054	63	477
	17-Jul	8	10	0	0	895	4,463	18	120	365	1,273	32	232
	20-Jul	6	8	0	0	1,179	5,832	16	90	385	1,344	28	190
	21-Jul	9	12	0	0	928	4,641	28	173	482	1,663	62	511
	22-Jul	8	9	0	0	760	3,763	22	129	440	1,535	27	213

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Statistical				Chinook		Sockeye		Coho		Pink		Chum	
Area	Date	Permits	Landings	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Moser Bay	23-Jul	10	13	0	0	1,531	5,950	42	249	406	1,419	21	177
Section	24-Jul	8	8	0	0	1,366	6,833	42	248	528	1,836	35	277
(257-43)	25-Jul	9	11	0	0	705	3,467	23	142	226	786	16	113
(cont.)	26-Jul	7	8	0	0	508	2,541	29	172	216	716	17	146
	27-Jul	7	8	0	0	1,419	7,024	24	147	361	1,262	29	214
	28-Jul	8	12	0	0	1,570	7,873	35	200	381	1,319	31	233
	29-Jul	6	6	1	7	817	3,790	28	171	275	1,068	17	117
	30-Jul	7	7	0	0	620	3,103	4	24	225	759	8	67
	31-Jul	6	9	0	0	943	4,658	23	136	351	1,222	25	202
	1-Aug	6	9	0	0	879	4,418	17	111	438	1,529	39	312
	2-Aug	6	15	0	0	1,605	7,763	36	222	993	3,477	59	461
	4-Aug	6	7	0	0	802	4,009	39	257	805	3,012	38	328
	5-Aug	7	7	0	0	516	2,597	21	121	627	2,149	27	199
	6-Aug	7	8	0	0	612	3,067	41	262	1,096	3,837	79	602
	7-Aug	8	13	0	0	848	4,225	31	189	1,163	3,852	83	629
	8-Aug	8	9	0	0	696	3,459	19	116	1,176	3,788	73	580
	9-Aug	9	12	0	0	584	2,940	46	291	1,778	5,337	93	717
Total		23	356	6	77	35,326	172,130	1,140	6,811	20,746	71,900	2,054	15,539
Average weight					12.83		4.87		5.97		3.47		7.57
Alitak Bay	21-Jun	11	11	0	0	975	4,645	4	19	7	37	15	103
Section	22-Jun	12	17	1	20	1,472	7,206	1	7	7	21	18	143
(257-41)	27-Jun	8	8	0	0	655	3,257	9	49	28	83	37	313
	28-Jun	13	14	0	0	849	4,203	30	153	53	160	67	500
	29-Jun	12	16	1	12	744	3,717	23	118	35	114	71	597
	30-Jun	11	12	0	0	604	2,942	11	50	36	113	49	393
	1-Jul	10	15	1	10	510	2,507	16	94	90	285	36	287
	6-Jul	10	10	0	0	652	3,214	65	396	969	2,981	96	665
	7-Jul	14	18	0	0	2,227	11,026	189	1,157	2,818	9,629	327	2,624

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Statistical				Chinook		Sockeye		Coho		Pink		Chum	
Area	Date	Permits	Landings	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Alitak Bay	8-Jul	14	19	0	0	1,181	6,037	94	597	1,875	6,649	132	1,106
Section	9-Jul	13	14	0	0	610	3,047	138	844	1,503	5,315	133	1,135
(257-41)	13-Jul	12	12	0	0	1,297	6,488	39	241	515	2,025	74	610
(cont.)	14-Jul	13	20	0	0	2,935	14,812	66	404	788	2,877	151	1,273
	15-Jul	9	16	0	0	2,209	10,910	20	122	360	1,324	50	386
	16-Jul	16	19	0	0	2,687	13,456	49	300	482	1,748	98	725
	17-Jul	15	20	0	0	2,689	13,442	65	403	334	1,209	102	807
	20-Jul	11	13	0	0	1,254	6,268	21	132	292	1,041	44	320
	21-Jul	13	18	0	0	1,833	9,189	42	264	721	2,570	52	430
	22-Jul	11	15	0	0	1,743	8,716	26	165	526	1,814	49	441
	23-Jul	15	15	0	0	2,622	13,110	33	206	563	1,987	174	1,443
	24-Jul	14	19	1	14	2,629	13,076	55	344	517	1,862	112	916
	25-Jul	11	18	0	0	1,929	9,640	41	255	747	2,702	196	1,340
	26-Jul	15	21	0	0	1,674	8,142	52	307	500	1,776	96	713
	27-Jul	14	16	0	0	2,354	11,743	48	285	682	2,474	123	966
	28-Jul	14	19	0	0	1,713	7,770	58	368	542	1,868	134	1,025
	29-Jul	11	13	0	0	1,062	5,093	40	243	222	787	46	326
	30-Jul	14	20	0	0	1,789	8,998	43	278	926	3,327	107	801
	31-Jul	10	14	0	0	1,317	6,595	62	370	612	2,210	67	490
	1-Aug	13	17	0	0	1,161	5,826	15	89	539	1,914	83	655
	2-Aug	13	19	0	0	1,694	8,418	33	207	1,159	4,049	167	1,329
	3-Aug	8	8	0	0	635	3,177	16	104	188	634	17	128
	4-Aug	12	13	0	0	1,086	5,440	75	445	1,132	4,060	117	904
	5-Aug	13	14	0	0	794	3,970	51	307	1,568	5,529	86	647
	6-Aug	11	14	0	0	973	4,868	33	200	1,379	4,939	110	851
	7-Aug	11	12	0	0	807	4,035	69	442	1,331	4,498	142	1,094
	8-Aug	11	12	0	0	714	3,574	53	320	1,499	4,630	121	943
	9-Aug	11	12	0	0	459	2,303	57	344	690	2,184	82	546
Total		27	563	4	56	52,538	260,860	1,742	10,629	26,235	91,425	3,581	27,975
Average weight					14.0		4.97		6.10		3.48		7.81

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Statistical				Chinook		Sockeye		Coho		Pink		Chum	
Area	Date	Permits	Landings	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Dog Salmon	22-Jul	9	10	0	0	1,701	9,005	2	11	2,766	9,708	231	1,677
Flats Section	23-Jul	5	6	0	0	840	4,197	0	0	727	2,711	71	542
(257-42)	24-Jul	5	6	0	0	899	4,494	0	0	774	2,707	137	1,034
	25-Jul	5	6	0	0	1,179	5,895	0	0	982	3,269	118	951
	26-Jul	6	7	0	0	939	4,696	1	6	621	2,218	93	625
	27-Jul	4	5	0	0	994	4,978	1	12	753	2,636	68	535
	28-Jul	4	6	0	0	1,010	5,051	3	24	656	2,404	29	242
	29-Jul	6	8	0	0	1,171	5,851	2	15	841	2,943	88	613
	30-Jul	5	6	0	0	1,034	5,165	2	17	757	2,649	20	153
	31-Jul	6	7	0	0	888	4,334	4	26	497	1,733	18	143
	1-Aug	5	6	0	0	670	3,352	2	15	447	1,570	18	151
	2-Aug	4	4	0	0	747	3,735	3	20	362	1,293	4	35
	3-Aug	5	6	0	0	897	4,479	2	12	571	2,033	16	107
	4-Aug	3	3	0	0	650	3,251	8	47	537	1,872	7	48
	5-Aug	4	5	0	0	465	2,324	1	8	427	1,509	13	99
	6-Aug	4	5	0	0	486	2,003	2	12	302	962	11	72
	7-Aug	3	4	0	0	378	1,894	0	0	216	767	26	201
	8-Aug	4	7	0	0	391	1,957	5	33	230	808	12	82
	9-Aug	5	6	0	0	561	2,809	13	86	546	1,940	67	523
	10-Aug	4	5	0	0	511	2,558	15	101	425	1,601	42	336
	11-Aug	5	6	0	0	1,576	6,943	17	97	715	2,713	60	467
	12-Aug	6	8	0	0	2,191	10,824	20	119	1,283	4,368	45	343
	13-Aug	6	10	0	0	1,810	9,640	27	166	1,580	6,262	119	898
	14-Aug	5	8	0	0	1,337	7,338	21	125	1,246	4,984	106	804
	15-Aug	4	8	0	0	1,165	6,014	18	116	820	3,134	50	392
Total		17	158	0	0	24,490	122,787	169	1,068	19,081	68,794	1,469	11,073
Average weight					0.0		5.01		6.32		3.61		7.54
Grand Total		59	1,151	10	133	136,487	671,880	3,276	19,991	76,497	271,542	8,702	66,009
Average weight					13.30		4.92		6.10		3.55		7.59

Appendix D4.-Purse seine daily salmon harvest, by species and section, for the Alitak District, 2015.

Statistical				Chinook		Sockeye		Coho		Pink		Chum	
Area	Date	Permits	Landings	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Cape Alitak	21-Jun	8	9	0	0	4,161	18,892	44	262	102	303	218	1,707
Section	22-Jun	3	3	4	46	769	3,667	0	0	8	32	29	213
(257-10 & 20)	27-Jun	23	23	31	277	8,972	41,334	166	1,110	1,794	5,597	521	3,864
	28-Jun	4	4	2	14	1,230	5,926	24	133	300	863	60	464
	29-Jun	16	17	18	117	6,803	30,871	227	1,420	2,649	8,261	689	4,231
	30-Jun	13	13	9	114	5,667	21,877	217	1,289	2,933	8,963	292	2,403
	1-Jul	5	5	0	0	1,121	4,675	38	229	623	2,127	79	602
	6-Jul	9	11	372	3,721	10,444	40,625	1,255	7,543	68,671	206,025	1,286	10,307
	7-Jul	5	5	99	1,143	3,567	15,929	487	3,512	35,922	113,624	704	5,367
	8-Jul	10	12	229	2,788	6,632	29,296	1,315	8,827	90,319	279,987	925	7,373
	9-Jul	9	10	190	1,632	5,324	21,923	603	3,832	44,170	132,872	665	4,788
	13-Jul	13	15	101	965	21,344	91,784	737	4,380	80,514	253,929	821	6,588
	14-Jul	12	14	118	1,453	17,375	79,682	727	4,446	88,091	272,448	1,292	9,935
	15-Jul	10	10	48	870	7,191	32,454	1,055	3,607	38,207	118,785	487	3,933
	16-Jul	4	4	26	330	9,980	43,542	173	1,107	25,526	83,651	581	4,198
	17-Jul	5	6	14	161	9,056	45,959	115	746	32,510	103,614	590	4,577
	20-Jul	4	4	43	538	3,141	14,571	477	3,043	31,910	97,353	429	2,958
	22-Jul	^a											
	24-Jul	^a											
	25-Jul	^a											
	27-Jul	^a											
	28-Jul	^a											
	29-Jul	7	7	38	455	5,948	27,717	700	3,908	33,141	109,903	604	4,266
	30-Jul	4	4	4	49	3,725	20,012	152	921	14,866	44,603	204	1,423
	31-Jul	5	6	11	162	4,020	19,702	495	2,989	34,988	119,062	202	1,325
	1-Aug	3	3	7	88	2,299	10,507	206	1,318	21,766	73,183	34	239
	2-Aug	^a											
	3-Aug	3	3	20	281	2,012	7,445	174	1,046	16,067	50,758	557	3,865
	4-Aug	3	3	8	105	1,932	9,388	268	1,617	18,743	76,740	248	1,663
	5-Aug	^a											

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Statistical Area	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Cape Alitak	6-Aug ^a												
Section	7-Aug ^a												
(257-10 & 20)	9-Aug ^a												
Total		41	208	1,441	15,980	151,793	682,762	11,835	70,235	817,117	2,718,763	17,226	120,937
Average weight					11.09		4.50		5.93		3.33		7.02
Humpy-Deadman	9-Jul	3	3	7	140	1,053	4,212	79	639	28,071	84,215	132	1,070
Section	13-Jul	8	8	1	18	3,065	16,543	36	257	47,002	166,025	522	4,148
(257-50,60 & 70)	14-Jul	8	8	16	254	3,191	16,941	71	481	30,130	100,070	229	1,829
	15-Jul	3	3	0	0	1,623	6,515	8	50	16,103	50,096	177	1,428
	16-Jul ^a												
	17-Jul	17	17	25	414	13,030	61,321	109	733	67,672	214,416	685	5,385
	20-Jul	14	16	12	210	4,300	21,166	213	1,416	95,348	290,422	553	4,415
	21-Jul	6	6	1	15	985	4,962	68	473	33,630	104,832	142	1,176
	22-Jul	14	15	1	4	2,267	10,032	47	285	52,388	157,231	188	1,557
	23-Jul	5	5	0	0	2,112	10,049	14	86	29,252	91,860	236	1,868
	24-Jul	12	12	17	183	7,550	32,897	528	3,196	68,504	205,525	870	6,930
	25-Jul	10	10	3	34	2,464	11,070	119	646	57,823	195,558	557	3,991
	26-Jul	4	4	0	0	1,133	4,992	155	777	22,803	77,416	326	1,332
	27-Jul	8	9	0	0	2,729	12,705	32	219	59,609	184,179	681	4,176
	28-Jul	5	6	0	0	1,119	5,204	5	27	26,722	105,008	118	738
	29-Jul	7	7	3	71	1,172	5,097	63	367	25,593	79,838	188	1,479
	30-Jul ^a												
	31-Jul	5	5	2	20	1,043	5,063	43	259	32,273	100,785	201	1,414
	1-Aug	7	8	4	66	1,400	6,853	50	308	62,755	188,273	296	2,247
	2-Aug	7	7	2	37	854	3,965	26	164	41,329	124,817	102	841
	3-Aug	5	5	0	0	371	1,760	21	134	18,755	62,147	317	2,362
	4-Aug ^a												
	5-Aug	6	6	3	39	900	3,593	74	445	35,630	106,894	1,921	15,379

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Statistical				Chinook		Sockeye		Coho		Pink		Chum	
Area	Date	Permits	Landings	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Humpy-Deadman	6-Aug	7	7	0	0	820	3,059	32	195	57,986	173,344	1,373	11,111
Section	7-Aug	8	11	0	0	987	4,049	28	204	103,031	331,367	674	4,314
(257-50,60 & 70)	8-Aug	9	9	0	0	975	3,936	29	176	97,039	310,452	307	2,892
(cont.)	9-Aug	7	7	0	0	1,166	4,568	19	122	72,707	237,070	505	3,800
	10-Aug	10	13	1	5	1,641	6,912	42	264	157,109	545,264	1,201	9,793
	11-Aug	8	10	2	27	652	3,376	23	142	86,302	328,778	480	3,817
	12-Aug	11	14	0	0	977	4,664	39	241	160,163	587,688	323	2,278
	13-Aug	9	13	0	0	880	4,067	36	243	165,233	536,152	372	2,763
	14-Aug	8	11	0	0	988	3,807	32	197	131,013	420,578	473	3,228
	15-Aug	9	12	0	0	988	4,374	32	194	130,175	454,976	549	4,271
	16-Aug	10	18	0	0	1,785	8,935	82	524	205,345	749,469	851	6,077
	17-Aug	11	13	0	0	1,155	5,651	96	653	147,465	517,692	1,318	9,125
	18-Aug	12	17	2	13	1,225	5,976	246	1,496	180,387	677,590	1,712	12,135
	19-Aug	10	13	0	0	448	2,242	35	244	125,349	426,801	327	2,175
	20-Aug	16	21	0	0	708	3,594	105	641	206,226	737,031	438	2,890
	21-Aug	20	20	0	0	690	3,689	87	552	172,567	744,490	550	3,805
	22-Aug	14	15	0	0	193	1,042	69	393	152,744	527,785	575	3,896
	23-Aug	19	21	0	0	895	4,036	174	1,087	231,665	774,271	1,282	9,356
	24-Aug	25	26	0	0	804	3,910	226	1,422	240,563	851,264	1,135	8,162
	25-Aug	21	25	0	0	646	3,343	187	1,130	268,506	888,670	628	4,310
	26-Aug	7	12	0	0	256	1,396	88	550	120,304	470,042	246	1,716
	27-Aug	14	15	0	0	527	2,180	87	516	115,441	396,996	427	2,928

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Statistical				Chinook		Sockeye		Coho		Pink		Chum	
Area	Date	Permits	Landings	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Humpy-Deadman	28-Aug	16	21	0	0	1,179	6,159	178	1,054	202,364	659,012	552	4,289
Section	29-Aug	18	23	0	0	730	3,297	234	1,441	198,618	651,961	856	6,086
(257-50,60 & 70)	30-Aug	15	20	0	0	648	2,937	293	1,759	165,713	511,727	431	3,526
(cont.)	31-Aug	14	16	0	0	1,900	8,291	413	2,507	159,170	506,042	590	4,611
Total		42	781	103	1,576	76,666	356,402	4,736	29,350	4,918,958	16,750,416	26,754	198,140
Average weight					15.30		4.65		6.20		3.41		7.41
Grand Total		51	989	1,544	17,556	228,459	1,039,164	16,571	99,585	5,736,075	19,469,179	43,980	319,077
Average weight					11.37		4.55		6.01		3.39		7.26

^a Confidential

Appendix D5.—Salmon harvest by gear type and species for the Alitak District, 2015.

	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		Total	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
<u>Seine</u>														
Total	51	769	1,544	17,556	228,459	1,039,164	16,571	99,584	5,736,075	19,469,179	43,980	319,076	6,026,629	20,944,559
Average weight				11.37		4.55		6.01		3.39		7.26		
<u>Set Gillnet</u>														
Total	59	1,329	10	133	136,487	671,880	3,276	19,991	76,497	271,542	8,702	66,009	224,972	1,029,555
Average weight				12.35		5.40		7.47		3.84		7.03		
Year Total	110	1,534	1,554	17,689	364,946	1,711,044	19,847	119,575	5,812,572	19,740,721	52,682	385,085	6,251,601	21,974,114
Average weight				11.38		4.69		6.02		3.40		7.31		

Appendix D6.—Commercial salmon harvest, by species with percent harvest by gear type, in the Alitak District, 1954–2015.

Year	Chinook ^a			Sockeye ^a			Coho ^a			Pink ^a			Chum ^a			Total ^a		
	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 ^a			Sockeye ^a			Coho ^a			Pink ^a			Chum ^a			Total ^a		
	Number	GN%	PS%	Number	GN%	PS%	Number	GN%	PS%	Number	GN%	PS%	Number	GN%	PS%	Number	GN%	PS%
1989 ^b	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%	116,065	79%	21%	14,585	25%	75%	146,363	44%	56%	18,843	20%	80%	296,014	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%	361,287	54%	46%	3,044	32%	68%	1,563,557	10%	90%	26,896	12%	88%	1,955,008	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%	93%	934,361	22%	78%
2015	1,554	1%	99%	364,946	37%	63%	19,847	83%	17%	5,812,572	1%	99%	52,682	17%	66%	6,251,601	4%	96%
Averages ^b :																		
1954–2014	341	18%	81%	416,775	65%	35%	10,938	47%	53%	1,420,570	19%	82%	59,437	21%	79%	1,908,056	29%	71%
2005–2014	500	6%	94%	359,723	64%	36%	6,919	43%	57%	2,218,106	11%	90%	40,723	16%	87%	2,625,939	28%	72%

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Note: GN = gillnet; PS = purse seine

^a ADF&G test fish harvest is not included.

^b 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 and Peltz 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.

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.

2015 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 (177,000 fish), Frazer Lake (304,000 fish), Ayakulik River (101,000 fish; Munro 2015), and early-run Upper Station (30,000 fish).

The Karluk early-run sockeye salmon BEG is 110,000 to 250,000 fish. The 2015 targeted sockeye salmon escapement for Karluk Lake early-run was 250,000 fish. The Ayakulik early-run sockeye salmon sustainable escapement goal (SEG) is 140,000 to 280,000 fish. The 2015 targeted sockeye salmon escapement for the Ayakulik early run was 210,000 fish.

The Karluk late-run sockeye salmon BEG is 170,000 to 380,000 fish. The 2015 targeted sockeye salmon escapement of 380,000 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 2015 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).

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Karluk Early Run

The Karluk River weir was fish tight on May 26 (Fuerst *In prep*). 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 3 for a total of 57 hours. The resulting harvest indicated a weaker than expected run of sockeye salmon traveling along the Westside fishery and the fishing period was not extended.

Through June 7, 57,664 sockeye salmon had passed the Karluk River weir, which was above the escapement objectives for that date. A second fishing period for the Westside was announced for 33 hours beginning on June 9 and subsequently extended for an additional 24 hours.

By June 12 the cumulative early-run Karluk River escapement remained above the escapement objectives for that date with a cumulative escapement of 112,535 fish, and a 57-hour commercial salmon fishing period in the Central and North Cape sections was scheduled to begin June 14. Escapement remained adequate throughout the fishing period, and a 57-hour extension was announced. Due to adequate escapement through June 19, 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 2015 Karluk Lake early-run sockeye salmon escapement of 233,036 fish (Fuerst *In prep*) was within the BEG of 110,000 to 250,000 fish (Sagalkin et al. 2013). From June 1 through July 15, approximately 277,794 sockeye salmon were harvested in the Westside fishery (Table 9). Of this harvest, approximately 124,983 fish were estimated to be of Karluk Lake origin (Wattum 2016).

Pink Run

On July 6, the Southwest Afognak Section of the Afognak District, the Central and North Cape sections, and the majority of the inner bays of the Northwest Kodiak District opened to commercial salmon fishing for 57 hours based on the preseason wild stock pink salmon forecast of 10.1 million fish. The inner bay of Kizhuyak was closed due to weak early-run chum salmon escapement. The pink salmon harvest for the first fishing period was above average.

On July 13, the Southwest Afognak Section of the Afognak District and the Central and North Cape sections and the inner bays (except Kizhuyak Bay Section) of Northwest Kodiak District opened for 57 hours. Due to above average pink salmon harvest rates the fishing period extended for an additional 48 hours.

On July 20, the Southwest Afognak Section of the Afognak District, 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 above average and the fishery was subsequently extended for an additional 48 hours until July 26. Early aerial surveys indicated several systems had substantial buildups of pink and chum salmon escapement while harvests continued to be unusually high through the initial extension. On July 26 the fishery was extended and remained open to commercial salmon fishing through July 29.

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After a short closure the Southwest Afognak Section of the Afognak District and the Northwest Kodiak District reopened for 81 hours. Aerial surveys indicated several systems had achieved their minimum escapement objectives well ahead of schedule and after a series of short extensions, the Southwest Afognak Section of the Afognak District and the Northwest Kodiak District were extended until further notice. Pink salmon escapements to the Westside were generally good to excellent in most systems and were well distributed to all management units (Fuerst *In prep*).

Karluk Late Run

Due to above average sockeye salmon escapement to the Karluk system, the Outer Karluk and Sturgeon sections were opened concurrently with many of the openings in the Northwest Kodiak District during much of the general pink salmon fishery.

By mid-August pink salmon escapement to most of the Westside was excellent. Despite continuous fishing on the majority of the Westside, the cumulative late-run sockeye salmon escapement through Karluk River weir on August 15 was 96,861 fish; nearly triple the average escapement to date, and the majority of the Westside remained open until further notice.

Through August 17, the cumulative late-run sockeye escapement through Karluk River weir was 125,095 sockeye salmon which was well above the desired escapement for that date. A significant buildup of sockeye salmon was also reported in Karluk Lagoon. On August 19, the Inner Karluk Section of the Southwest Kodiak District opened to commercial salmon fishing for 78 hours and was later extended until further notice.

On September 1, the cumulative late-run sockeye salmon escapement through Karluk River weir exceeded the lower bound of the Karluk late-run escapement goal. On September 3 the closed waters in the Inner Karluk Section were reduced to the exit channel terminus at the ocean shoreline of Karluk Lagoon, and the majority of the Westside remained open until the end of the season.

The Karluk late-run sockeye salmon escapement of 396,618 fish was above the BEG of 170,000 to 380,000 fish (Sagalkin et al. 2013), and the Westside post-July 15 sockeye salmon harvest was 1,081,102 fish, which included an estimated 472,761 late-run Karluk sockeye salmon (Wattum 2016).

Ayakulik

The 2015 Ayakulik sockeye salmon cumulative escapement was average early in the season with a cumulative escapement slowly building to the upper bound of the escapement objectives on June 14. The department initially announced a short 57-hour fishing period in the Inner and Outer Ayakulik sections on June 15 to harvest fish in excess of escapement needs.

On June 19, the commercial salmon fishery was extended in the Outer Ayakulik Section for an additional 72 hours. For the remainder of the Ayakulik early run, daily escapement was consistent and three more commercial salmon openings were announced prior to July 15. Through July 15, the cumulative early-run Ayakulik sockeye salmon escapement of 218,178 fish (Fuerst *In prep*) was within the BEG of 140,000 to 280,000 fish (Sagalkin et al. 2013).

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Through July 16, the cumulative late-run sockeye escapement through Ayakulik River weir was only 495 sockeye salmon which was below the desired escapement for that date. However, during the next short closure, a buildup of sockeye salmon was reported below the weir, and the Outer Ayakulik and Halibut Bay sections reopened for 105 hours on July 20. Throughout the fishing period harvest rates remained strong. The fishery closed on July 24 to allow for more late-run sockeye salmon escapement.

Through July 29, the cumulative late-run sockeye escapement through Ayakulik River weir was 32,676 sockeye salmon which was within the desired escapement for that date, and the department announced a short 57 hour commercial salmon opening on July 30. Throughout August escapement remained consistent and the Outer Ayakulik Section opened and closed several times prior August 19, when it was extended until further notice.

During the last half of August harvest effort was sporadic and most of the coho salmon run was likely not harvested. A total weir count of 1,833 coho salmon were counted before the weir was compromised by high water and removed. The total late-run sockeye salmon escapement was 108,257 fish, within the BEG of 60,000 to 120,000 salmon (Sagalkin et al. 2013).

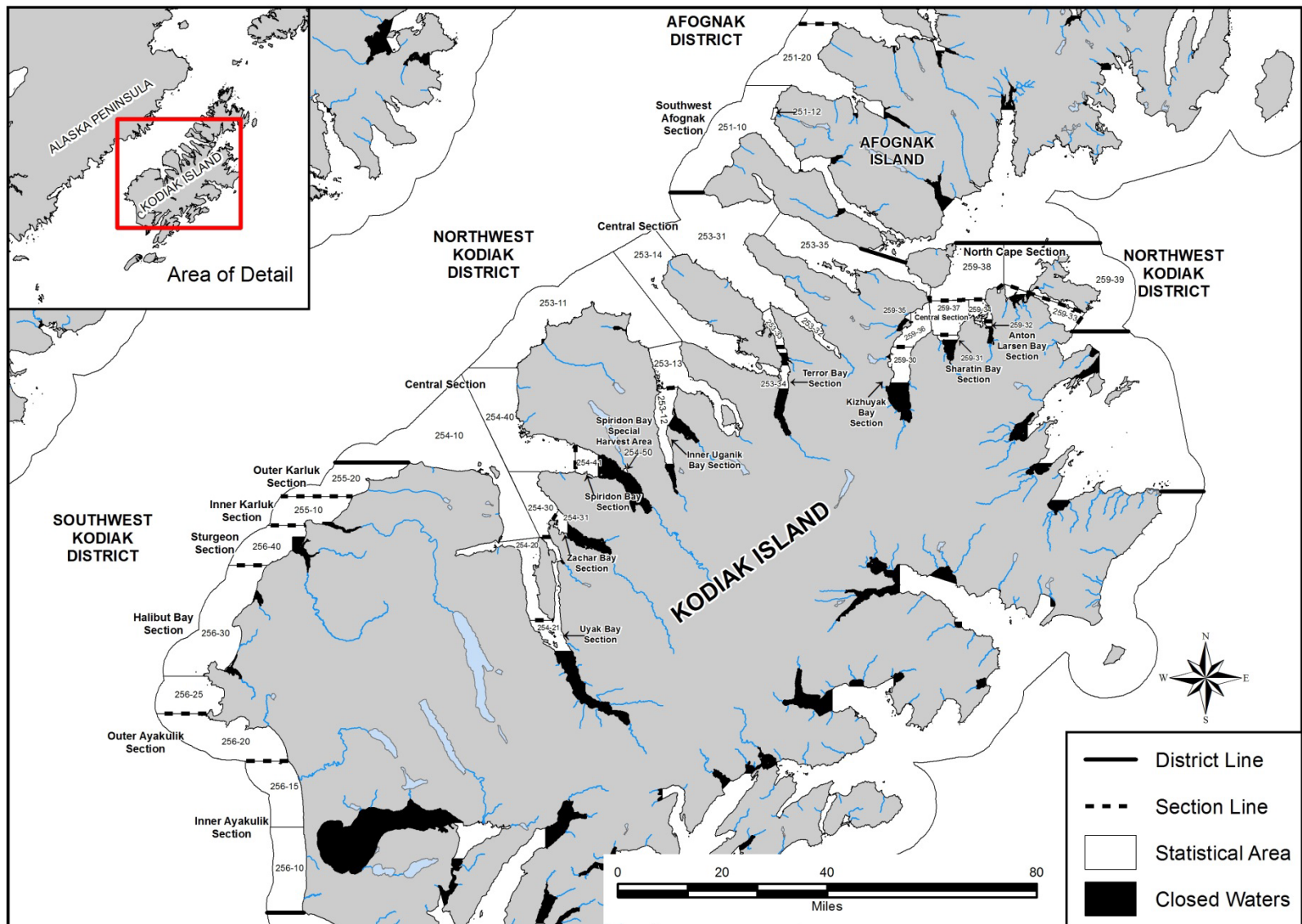
The total sockeye salmon escapement through the Ayakulik weir (326,435 fish; Fuerst *In prep*) was within the combined early- and late-run escapement goals (200,000 to 400,000 fish; Sagalkin et al. 2013). For the season, 568,932 sockeye salmon were harvested based on Ayakulik sockeye salmon (Table 9). Of this, approximately 491,289 were estimated to be of Ayakulik (Red Lake) origin (Wattum 2016).

In 2015, there were a total of 6,953 landings made in Westside Kodiak management units (Southwest Afognak to Ayakulik¹) consisting of a total commercial harvest of 15,319,753 salmon, including 4,534 Chinook, 2,094,753 sockeye, 247,564 coho, 12,488,343 pink, and 484,559 chum salmon (Appendix E3). There were 162 seine permit holders that made 3,101 landings with a harvest of 3,075 Chinook, 1,622,413 sockeye, 141,543 coho, 11,245,560 pink, and 262,958 chum salmon (Appendix E4). There were 95 set gillnet permit holders that made 3,852 landings for 1,459 Chinook, 472,340 sockeye, 108,710 coho, 1,240,350 pink, and 221,345 chum salmon. Commercial salmon harvests, by gear type, for individual Westside management units can be found in Appendices E5 and E6.

¹ 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 Kodiak 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, 1980–2015.

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 ^a	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
2015	257	6,953	4,534	2,094,753	247,564	12,488,343	484,559	15,319,753
Average ^a								
2005–2014	225	5,066	8,953	1,138,310	130,122	6,582,134	254,059	8,113,578
1978–2014	320	7,438	9,529	1,438,717	120,458	6,614,631	304,941	8,488,277

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.

^a 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, 2015.

Gear	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		Total	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Seine	162	3,101	3,075	26,183	1,622,413	7,730,141	141,543	919,206	11,245,560	36,969,001	262,958	1,842,643	13,275,549	47,487,174
Average weight				8.51		4.76		6.49		3.29		7.01		
Set Gillnet	95	3,852	1,459	14,518	472,340	2,494,586	108,710	684,629	1,240,350	4,620,985	221,345	1,572,938	2,044,204	9,387,656
Average weight				9.95		5.28		6.30		3.73		7.11		
Grand total	257	6,953	4,534	40,701	2,094,753	10,224,727	250,253	1,603,835	12,485,910	41,589,986	484,303	3,415,581	15,319,753	56,874,830
Average weight				8.98		4.88		6.41		3.33		7.05		

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 Special Harvest Area), 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, 2015.

Management				Chinook		Sockeye		Coho		Pink		Chum	
Unit	Date	Permits	Landings	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Southwest	14-Jun	6	6	0	0	1,037	4,916	1	5	66	199	27	152
Afognak	15-Jun	3	3	2	12	279	1,051	1	4	17	51	7	43
Section	17-Jun	4	4	0	0	635	3,066	8	42	77	221	17	98
	19-Jun ^a												
	20-Jun ^a												
	22-Jun ^a												
	24-Jun ^a												
	26-Jun ^a												
	1-Jul	3	3	0	0	361	1,808	51	408	673	2,287	187	1,461
	2-Jul ^a												
	3-Jul	3	3	12	109	1,292	7,220	222	1,579	3,468	11,028	755	5,384
	5-Jul ^a												
	6-Jul	5	5	5	62	1,631	7,069	592	3,491	8,703	31,469	673	4,991
	7-Jul	4	4	0	0	779	3,814	256	1,805	5,026	18,379	454	3,175
	8-Jul	3	3	4	29	1,455	5,835	231	1,822	9,610	28,973	679	5,416
	13-Jul	5	5	16	267	2,486	11,183	745	5,956	21,475	67,692	786	6,066
	14-Jul	5	5	0	0	3,878	16,192	853	5,915	31,694	92,078	760	5,056
	15-Jul	6	6	8	125	3,165	15,633	724	5,298	27,373	83,202	576	4,763
	16-Jul	4	4	46	523	1,243	5,751	934	6,550	12,148	38,055	263	1,855
	17-Jul	6	6	29	395	2,667	14,619	855	5,311	21,835	68,478	1,554	10,892
	20-Jul	10	10	10	174	6,507	29,280	631	4,265	47,518	154,344	1,370	9,971
	21-Jul	6	6	19	229	2,357	11,954	239	1,627	16,784	53,357	462	3,442
	22-Jul	13	14	27	318	8,024	36,206	709	4,455	36,071	126,895	1,876	13,505
	23-Jul	3	3	0	0	247	1,229	48	340	1,846	5,870	67	494
	24-Jul	10	10	38	500	3,340	15,850	488	3,530	49,574	164,367	1,247	9,554
	25-Jul ^a												
	26-Jul	9	9	19	220	3,790	18,568	612	4,148	45,933	149,772	1,528	10,722
	27-Jul ^a												
	28-Jul	13	13	3	50	7,205	36,071	862	5,515	55,484	180,351	1,671	12,194
	29-Jul	12	12	0	0	5,775	31,247	296	2,002	31,276	115,381	528	3,993
	2-Aug	6	6	9	105	1,624	7,634	103	790	26,538	84,203	376	2,970

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Management		Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
Unit	Date			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Southwest	3-Aug	3	3	1	20	767	3,619	64	508	13,047	39,434	199	1,596
Afognak	4-Aug	4	5	3	22	259	1,179	110	821	13,910	43,236	292	2,177
Section (cont.)	5-Aug ^a												
	6-Aug ^a												
	7-Aug ^a												
	8-Aug	8	10	3	48	2,571	11,699	264	1,956	53,169	180,960	671	5,375
	9-Aug	5	5	2	60	570	2,460	149	781	7,255	26,216	196	1,201
	10-Aug ^a												
	11-Aug	6	6	11	152	1,409	6,155	307	1,910	34,318	108,672	469	3,026
	12-Aug	4	5	0	0	664	3,838	115	737	40,219	139,542	134	1,254
	13-Aug	9	9	2	30	937	4,019	191	1,247	59,883	184,621	284	1,611
	14-Aug	7	7	0	0	479	2,295	90	500	48,644	162,765	262	1,883
	15-Aug	9	12	6	44	2,321	11,585	260	1,810	89,450	283,383	544	3,885
	16-Aug	4	5	0	0	695	3,371	44	326	33,072	106,358	140	1,166
	17-Aug	8	8	0	0	1,235	5,883	175	1,055	43,993	140,980	348	2,228
	19-Aug ^a												
	20-Aug	5	6	0	0	824	3,949	182	1,058	57,638	176,247	197	1,418
	21-Aug	9	9	0	0	1,231	5,416	203	1,406	73,307	219,924	348	2,267
	22-Aug ^a												
	25-Aug ^a												
	26-Aug ^a												
	3-Sep ^a												
	4-Sep ^a												
	12-Sep ^a												
	13-Sep ^a												
	16-Sep ^a												
Total		50	259	276	3,509	83,748	400,833	14,782	100,653	1,082,873	3,498,482	21,685	156,467
Average weight					12.7		4.8		6.8		3.2		7.2

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Management				Chinook		Sockeye		Coho		Pink		Chum	
Unit	Date	Permits	Landings	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Nothwest Kodiak District ^b	3-Jun	16	16	58	274	3,606	14,741	0	0	136	369	629	3,974
	4-Jun	11	11	21	209	1,590	6,722	0	0	9	28	92	651
	5-Jun	17	18	32	207	2,955	11,469	1	5	79	196	547	3,166
	9-Jun	27	27	27	162	7,967	32,511	32	207	2,775	7,352	1,805	11,410
	10-Jun	20	20	13	69	4,607	18,247	2	10	56	208	674	3,176
	11-Jun	22	22	2	8	4,860	18,236	0	0	72	210	205	1,471
	14-Jun	6	6	7	48	2,641	10,939	4	16	277	872	110	720
	15-Jun	9	9	25	127	1,669	5,396	36	212	241	701	87	508
	16-Jun	6	6	3	10	2,935	12,227	28	135	201	540	93	652
	17-Jun	6	6	5	46	1,089	5,296	21	139	81	243	106	721
	18-Jun	5	6	12	77	1,042	3,775	4	20	160	494	213	1,484
	19-Jun	4	4	4	23	1,393	5,357	114	918	737	2,251	537	3,758
	20-Jun	5	5	0	0	1,023	4,245	85	629	264	866	252	1,732
	21-Jun	4	4	0	0	469	1,489	34	197	57	165	95	604
	22-Jun	4	4	18	74	536	2,665	161	1,090	347	1,242	923	6,033
	23-Jun	18	18	34	233	3,228	15,237	1,163	7,746	2,354	6,985	5,233	41,751
	24-Jun	13	13	47	283	1,400	6,527	970	5,979	1,405	4,220	4,382	30,719
	25-Jun	12	12	42	199	1,690	7,751	1,453	7,997	1,190	3,379	5,108	31,805
	26-Jun	11	11	22	172	1,207	5,181	1,020	6,571	784	2,613	3,836	26,122
	27-Jun	12	12	45	202	1,174	5,619	1,654	10,623	2,629	8,428	4,705	35,730
	28-Jun	8	8	18	94	1,513	6,498	642	3,341	1,999	6,434	2,331	12,470
	29-Jun	15	15	79	385	1,828	12,570	2,482	15,749	7,566	25,916	6,230	37,621
	30-Jun	15	15	20	129	1,003	4,654	1,461	9,409	7,151	22,350	2,943	19,906
	1-Jul	24	24	283	1,398	2,564	11,708	2,082	12,002	10,311	30,056	5,878	38,285
	2-Jul	13	13	6	29	1,688	8,038	475	3,085	4,337	13,641	1,751	12,658
	3-Jul	17	17	68	497	3,375	17,114	1,123	8,485	16,443	51,899	6,150	50,825
	4-Jul	3	3	3	13	191	830	186	1,181	2,553	7,661	654	4,897
	5-Jul	6	6	8	90	803	3,672	581	3,733	5,142	17,425	2,498	15,561
	6-Jul	32	32	91	676	7,167	30,140	2,730	15,613	50,555	148,130	12,471	88,201
	7-Jul	17	17	50	419	3,473	17,114	1,397	8,849	26,949	92,009	4,075	30,351
	8-Jul	42	42	43	348	6,184	28,164	1,935	13,151	57,422	213,979	9,040	78,070

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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 Kodiak	13-Jul	35	35	56	925	24,413	121,178	1,949	13,271	149,866	453,444	8,168	65,703
District ^b (cont.)	14-Jul	36	38	26	341	14,492	64,036	2,779	17,158	166,933	521,354	9,067	67,037
	15-Jul	21	21	38	381	7,348	37,400	1,063	6,330	51,581	164,098	4,790	32,946
	16-Jul	21	21	13	87	3,967	18,787	3,498	13,496	37,968	155,483	4,102	27,559
	17-Jul	40	40	62	606	21,819	111,738	1,744	11,363	113,426	409,661	6,691	50,409
	20-Jul	48	48	33	397	25,007	115,541	1,166	7,799	196,699	624,040	7,282	48,928
	21-Jul	33	33	20	234	23,953	94,954	879	4,176	154,969	435,173	5,785	30,948
	22-Jul	46	47	55	729	29,052	150,628	1,376	9,793	221,164	676,904	7,276	54,166
	23-Jul	27	28	11	100	13,367	66,752	683	4,685	109,930	359,468	3,493	23,749
	24-Jul	35	36	13	166	10,085	47,437	827	5,243	120,880	391,576	3,628	27,148
	25-Jul	18	20	12	121	16,546	83,919	728	4,800	67,077	224,285	2,600	19,254
	26-Jul	21	22	10	111	19,067	106,563	391	2,504	53,216	182,582	1,521	12,122
	27-Jul	17	17	2	21	22,168	123,595	377	2,599	50,573	180,652	1,532	11,099
	28-Jul	26	26	17	295	16,237	83,172	673	4,729	74,831	253,484	2,598	19,802
	29-Jul	16	16	6	80	5,418	26,362	210	1,303	20,422	73,791	1,060	7,201
	2-Aug	32	34	3	44	9,159	42,221	1,494	8,734	155,834	546,805	3,942	24,119
	3-Aug	28	28	4	30	7,497	36,635	816	5,415	166,800	553,790	2,661	18,588
	4-Aug	27	27	17	218	5,159	24,004	1,335	7,652	227,668	717,192	4,199	26,669
	5-Aug	38	40	9	139	6,584	30,921	1,101	7,263	236,702	764,443	4,107	26,949
	6-Aug	36	37	15	165	4,885	22,867	1,083	6,507	222,695	754,323	2,157	15,279
	7-Aug	42	48	15	182	7,505	33,795	831	5,404	344,369	1,082,071	2,430	17,537
	8-Aug	41	44	16	210	10,115	46,024	949	6,119	254,078	913,719	2,460	16,960
	9-Aug	28	29	6	83	10,642	52,026	486	3,205	189,796	645,658	3,321	26,711
	10-Aug	38	44	17	245	8,283	39,027	886	5,949	341,087	1,103,603	1,975	14,381
	11-Aug	40	47	15	178	5,521	25,527	857	5,021	276,826	906,191	1,929	13,415
	12-Aug	51	55	14	162	7,405	35,204	1,133	6,715	400,510	1,398,632	2,821	18,789
	13-Aug	50	56	10	95	8,162	37,909	772	4,587	335,893	1,156,851	1,953	13,331
	14-Aug	55	61	8	134	7,575	35,455	962	6,013	411,222	1,332,746	2,359	15,352
	15-Aug	41	44	2	14	6,093	27,332	634	3,997	282,118	920,695	2,234	14,765
	16-Aug	34	37	3	20	5,839	25,933	686	3,957	226,171	782,971	2,185	14,941
	17-Aug	29	29	0	0	2,821	14,024	628	3,659	157,614	524,023	1,230	7,893

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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 Kodiak	18-Aug	20	21	6	107	3,397	17,560	337	2,410	167,968	519,118	644	5,481
District ^b (cont.)	19-Aug	31	33	7	78	6,255	29,074	824	5,002	303,752	907,902	1,625	10,411
	20-Aug	40	43	7	78	4,209	19,273	958	6,080	280,571	912,965	1,702	12,004
	21-Aug	31	33	9	93	3,607	16,659	642	4,101	231,838	785,948	1,068	7,366
	22-Aug	20	21	10	136	1,971	9,571	311	2,380	106,494	341,980	333	2,426
	23-Aug	13	14	8	118	879	3,990	174	1,159	98,226	306,777	330	2,216
	24-Aug	27	28	16	175	3,707	18,094	749	4,788	261,915	913,837	789	5,558
	25-Aug	16	19	1	27	1,591	8,019	328	2,102	105,573	351,914	271	1,883
	26-Aug	11	11	8	77	687	3,891	277	1,677	64,952	214,245	195	1,482
	27-Aug	9	9	2	24	973	4,966	323	2,559	78,850	226,317	123	1,069
	28-Aug	8	8	1	7	597	3,054	145	876	70,551	203,017	113	848
	29-Aug	11	11	0	0	1,232	8,345	389	3,064	72,128	236,598	201	1,316
	30-Aug	9	9	3	38	328	1,685	202	1,481	75,636	253,299	97	884
	1-Sep	4	4	0	0	817	3,854	100	680	21,923	68,227	55	360
	2-Sep	7	7	0	0	3,190	15,799	777	5,379	22,745	70,191	90	829
	3-Sep	4	4	0	0	3,392	19,625	618	4,857	8,225	32,689	127	891
	4-Sep	4	4	1	5	4,355	21,783	749	6,339	14,876	44,632	132	937
	5-Sep ^a												
	6-Sep	4	4	0	0	5,624	27,812	622	5,942	14,556	43,673	125	874
	7-Sep	3	4	0	0	5,877	27,844	894	5,530	5,105	18,262	50	344
	8-Sep	6	7	8	82	15,166	75,844	2,153	19,032	16,520	49,561	186	1,198
	9-Sep	3	3	1	10	3,817	16,514	854	4,896	1,185	4,274	67	394
	10-Sep	7	7	0	0	6,784	34,312	1,390	12,870	5,555	16,672	112	779
	11-Sep	6	6	0	0	3,473	15,964	542	4,594	963	2,981	32	204
	12-Sep	9	9	0	0	5,033	23,562	918	6,681	640	2,122	82	596
	13-Sep	5	5	0	0	1,823	9,376	131	958	247	803	10	71
	14-Sep	6	6	0	0	768	4,127	143	1,069	23	76	85	299
	16-Sep ^a												
	17-Sep ^a												
Total		151	1,864	1,702	14,069	536,498	2,575,093	71,087	458,204	8,062,692	26,446,910	204,061	1,441,075
Average weight					8.3		4.8		6.4		3.3		7.1

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Management				Chinook		Sockeye		Coho		Pink		Chum	
Unit	Date	Permits	Landings	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Inner and Outer	15-Jun	8	8	9	54	1,646	5,565	8	59	172	462	72	509
Karluk sections	16-Jun	8	8	3	52	3,258	12,304	0	0	70	176	47	328
	17-Jun	7	7	9	45	4,813	20,235	2	12	183	564	90	510
	18-Jun	6	6	6	45	6,978	25,050	9	48	339	1,045	201	1,429
	19-Jun ^a												
	21-Jun	3	3	9	47	1,289	5,010	44	310	95	248	93	687
	22-Jun ^a												
	23-Jun	4	5	37	192	2,505	10,180	105	673	71	216	183	1,326
	24-Jun	3	3	18	132	1,512	6,427	74	444	158	406	171	1,258
	26-Jun	4	4	8	67	642	2,826	31	162	248	860	84	584
	27-Jun	3	3	4	30	1,168	4,805	33	232	197	656	99	724
	29-Jun ^a												
	30-Jun	3	3	4	32	1,845	7,974	61	441	1,206	3,941	179	1,212
	1-Jul	7	7	7	40	1,754	7,314	55	390	1,142	3,324	119	857
	2-Jul	4	4	7	47	2,863	11,560	122	715	4,306	11,561	353	2,786
	3-Jul	4	4	25	177	1,233	5,291	57	299	2,292	5,555	136	1,337
	6-Jul	5	5	61	716	3,056	15,391	407	3,180	11,174	30,905	341	2,825
	7-Jul	3	3	7	57	2,825	12,281	411	3,020	9,399	29,911	289	2,064
	8-Jul	4	4	9	100	3,179	13,750	706	4,270	11,899	39,751	339	2,529
	13-Jul	3	3	0	0	1,816	8,431	151	978	5,911	19,629	198	1,249
	14-Jul ^a												
	17-Jul	5	5	28	305	1,870	12,000	190	1,210	7,541	20,338	198	1,426
	21-Jul ^a												
	24-Jul ^a												
	25-Jul ^a												
	26-Jul	3	3	0	0	4,074	18,378	257	1,679	9,538	32,417	343	2,366
	28-Jul ^a												
	29-Jul ^a												
	30-Jul	3	3	2	30	1,203	6,082	53	267	2,679	8,005	22	137
	31-Jul	4	4	0	0	1,536	7,513	79	396	5,066	14,719	3,684	9,542
	1-Aug	4	4	3	26	2,630	12,615	89	506	6,406	20,273	169	980

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Management				Chinook		Sockeye		Coho		Pink		Chum	
Unit	Date	Permits	Landings	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Inner and Outer	2-Aug ^a												
Karluk sections	3-Aug	6	7	3	26	5,036	30,203	188	1,373	35,880	139,665	414	3,207
(cont.)	5-Aug	4	4	8	50	3,151	14,678	162	1,048	18,731	52,033	155	1,003
	6-Aug ^a												
	7-Aug	3	3	4	28	1,358	6,783	60	372	4,385	15,680	32	252
	9-Aug ^a												
	11-Aug	3	3	0	0	999	5,801	66	354	29,150	107,861	118	768
	13-Aug ^a												
	14-Aug	6	6	11	123	4,500	22,512	204	1,296	45,765	155,560	221	1,684
	15-Aug	7	8	3	28	7,734	38,126	239	1,469	52,253	174,647	244	1,979
	16-Aug	5	5	1	6	4,279	21,126	180	1,086	32,374	130,770	223	1,327
	17-Aug	10	10	0	0	5,144	25,420	191	1,105	39,322	128,385	221	1,562
	18-Aug ^a												
	19-Aug	7	7	0	0	5,004	26,605	91	564	16,736	58,879	60	401
	20-Aug	10	11	0	0	7,707	39,150	183	1,244	37,114	136,007	171	1,261
	21-Aug	6	6	2	17	3,588	17,881	169	1,195	29,431	100,268	75	617
	22-Aug ^a												
	24-Aug ^a												
	29-Aug ^a												
	1-Sep ^a												
	2-Sep	12	12	0	0	16,121	96,194	903	7,044	18,368	70,894	254	1,818
	3-Sep	6	6	0	0	11,533	51,084	604	4,340	15,943	50,865	97	744
	4-Sep	19	19	5	40	24,856	119,024	2,134	16,953	14,754	48,227	409	3,199
	5-Sep	7	7	0	0	8,206	34,208	1,288	7,177	6,611	22,822	144	932
	6-Sep	24	25	0	0	19,584	97,406	2,492	20,836	8,324	26,418	165	1,210
	7-Sep	16	16	0	0	6,456	36,067	1,048	8,159	5,344	19,266	43	336
	8-Sep	23	24	0	0	22,130	117,784	3,138	23,833	5,967	18,638	247	1,750
	9-Sep	14	14	0	0	15,306	72,150	1,374	8,133	2,461	8,686	85	519
	10-Sep	11	11	0	0	16,915	87,345	2,619	20,714	2,621	8,132	197	1,432
	11-Sep	14	14	0	0	9,121	47,109	1,381	9,767	491	1,704	65	476
	12-Sep ^a												

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Management		Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
Unit	Date			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Inner and Outer Karluk sections (cont.)	14-Sep ^a												
	16-Sep ^a												
	19-Sep ^a												
	20-Sep ^a												
	21-Sep ^a												
	22-Sep ^a												
	23-Sep ^a												
	24-Sep	4	5	0	0	36,333	167,441	1,304	9,944	0	0	57	353
	26-Sep ^a												
	27-Sep ^a												
	28-Sep	3	3	0	0	2,219	9,366	121	481	0	0	2	6
	29-Sep ^a												
Total		76	370	307	2,638	383,495	1,831,004	28,950	209,598	599,409	2,064,774	12,916	74,909
Average weight					8.6		4.8		7.2		3.4		5.8
Remainder of Southwest Kodiak District	15-Jun	44	45	39	288	15,726	71,772	12	73	446	1,334	403	2,855
	16-Jun	16	16	39	202	8,977	39,422	2	12	283	925	213	1,498
	17-Jun	36	36	35	204	32,303	141,646	18	107	185	534	482	3,715
	18-Jun	20	22	42	257	21,209	96,535	56	322	230	787	405	2,985
	19-Jun	32	32	15	73	25,963	118,600	34	183	135	365	411	2,732
	20-Jun	27	27	24	189	28,168	105,230	60	311	575	1,557	491	3,087
	21-Jun	24	24	15	82	19,385	87,215	144	890	501	1,484	440	3,231
	22-Jun	33	33	9	51	18,298	83,411	36	205	284	958	351	2,302
	27-Jun	51	52	36	264	15,695	69,766	345	2,316	2,847	8,444	479	3,289
	28-Jun ^a												
	29-Jun	28	28	16	259	9,900	48,279	201	1,296	633	2,026	244	1,977
	30-Jun	13	13	3	16	3,923	18,459	98	511	284	931	224	1,383
	1-Jul	14	14	17	100	2,933	14,409	98	565	741	2,152	338	2,277
	6-Jul	11	11	139	785	19,260	88,636	2,568	14,325	61,868	172,011	1,904	13,942
	7-Jul	5	5	22	132	10,884	47,063	874	5,976	20,450	67,346	686	5,614

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Management		Chinook				Sockeye		Coho		Pink		Chum	
Unit	Date	Permits	Landings	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Remainder of Southwest Kodiak District (cont.)	8-Jul	17	19	74	854	25,261	117,859	3,935	22,616	118,759	427,566	1,745	10,587
	9-Jul	18	18	38	462	14,491	73,594	1,951	13,191	70,338	226,459	659	5,258
	13-Jul	30	31	42	251	88,893	360,708	1,781	10,112	84,992	228,764	2,940	16,630
	14-Jul	10	10	1	10	19,073	106,135	563	4,027	18,964	63,177	541	4,342
	15-Jul	36	37	10	111	74,041	382,612	6,348	23,721	66,224	220,293	2,426	17,112
	16-Jul	9	11	0	0	15,169	76,810	205	1,322	12,330	46,005	382	2,961
	17-Jul	17	17	0	0	18,504	92,203	195	1,451	28,430	90,718	832	6,420
	20-Jul	8	8	17	85	7,853	30,430	406	2,361	22,539	66,430	294	1,807
	21-Jul	11	11	30	494	12,588	65,462	405	3,043	28,619	98,317	535	4,230
	22-Jul	13	13	2	17	10,949	56,948	288	1,699	23,667	69,191	824	5,600
	24-Jul	3	3	0	0	1,605	7,528	201	1,377	4,016	13,238	39	266
	27-Jul ^a												
	28-Jul ^a												
	29-Jul ^a												
	30-Jul	27	28	6	60	31,681	157,906	986	6,712	97,132	296,930	1,624	12,717
	31-Jul	12	12	1	20	14,754	82,690	420	2,790	41,194	124,251	682	4,786
	1-Aug	29	29	72	317	19,384	104,218	798	5,149	123,780	380,318	1,535	11,529
	6-Aug	3	3	0	0	753	4,927	126	881	13,908	39,693	38	296
	8-Aug ^a												
	9-Aug ^a												
	10-Aug ^a												
	13-Aug ^a												
	14-Aug	4	5	1	10	2,125	11,468	238	1,475	75,073	243,536	142	1,027
	15-Aug	4	4	0	0	1,399	7,558	160	908	50,049	179,039	90	594
	16-Aug	9	9	0	0	4,017	21,937	265	1,825	126,627	428,746	237	1,689
	17-Aug	5	5	1	6	2,499	12,455	129	763	31,980	114,173	192	1,256
	18-Aug	3	3	13	124	1,621	6,882	329	1,840	29,918	95,938	53	342
	19-Aug ^a												
	20-Aug	5	6	17	103	2,702	17,177	760	4,745	78,410	293,210	434	2,976
	21-Aug	5	5	3	24	3,381	18,532	126	785	28,042	85,762	180	1,371
	22-Aug ^a												

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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 Southwest Kodiak District	23-Aug ^a												
	24-Aug ^a												
	25-Aug	3	3	5	64	884	5,636	189	1,527	18,822	75,315	63	466
(cont.)	26-Aug ^a												
	31-Aug ^a												
	2-Sep ^a												
	3-Sep ^a												
	4-Sep ^a												
	8-Sep ^a												
	9-Sep ^a												
Total		99	673	790	5,967	618,672	2,923,217	26,724	150,759	1,500,586	4,958,840	24,296	170,197
Average weight					7.6		4.7		5.6		3.3		7.0
Grand Total		162	3,166	3,075	26,183	1,622,413	7,730,147	141,543	919,214	11,245,560	36,969,006	262,958	1,842,648

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

^a Confidential.

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

Appendix E6.–Set gillnet salmon harvest, by species, for Westside Management Plan units, 2015.

Management				Chinook		Sockeye		Coho		Pink		Chum	
Unit	Date	Permits	Landings	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Northwest	3-Jun	23	24	37	283	1,345	6,857	1	7	0	0	55	362
Kodiak District ^b	4-Jun	41	42	58	564	3,127	16,593	1	6	7	23	231	1,755
	5-Jun	29	30	48	394	2,097	10,800	0	0	9	31	281	1,966
	9-Jun	22	25	23	240	1,343	6,867	0	0	13	49	53	368
	10-Jun	47	47	51	613	3,848	19,696	0	0	52	206	368	2,607
	11-Jun	35	36	40	419	3,746	19,182	11	66	134	524	451	3,177
	14-Jun	37	41	45	465	2,649	12,931	14	80	88	344	179	1,284
	15-Jun	46	46	43	449	2,681	13,624	52	304	102	441	226	1,531
	16-Jun	41	43	29	344	2,627	13,122	148	785	91	352	281	1,954
	17-Jun	45	45	52	455	3,306	17,331	394	2,195	191	753	469	3,217
	18-Jun	31	31	24	226	2,529	12,933	400	2,402	143	575	464	3,145
	19-Jun	48	48	34	283	2,902	15,279	368	2,210	196	767	790	5,403
	20-Jun	21	22	10	113	1,156	6,000	259	1,548	130	519	399	2,574
	21-Jun	44	45	25	215	1,822	9,601	259	1,505	88	348	510	3,476
	22-Jun	24	24	30	277	1,639	8,557	391	2,323	128	530	577	3,989
	23-Jun	45	45	42	440	1,965	10,582	779	4,402	195	812	1,452	10,029
	24-Jun	30	32	52	464	1,624	8,241	972	5,904	207	835	961	6,577
	25-Jun	34	34	32	364	680	3,712	413	2,404	168	671	1,188	8,439
	26-Jun	38	38	58	580	1,475	7,547	562	3,278	383	1,690	1,114	7,960
	27-Jun	50	52	87	849	3,450	12,803	801	4,783	774	3,412	2,579	19,009
	28-Jun	33	33	40	377	1,340	6,850	690	3,880	436	1,655	2,044	14,562
	29-Jun	26	27	34	298	1,067	5,697	550	3,313	552	2,052	1,275	9,661
	30-Jun	39	39	37	307	1,634	8,417	637	3,751	1,210	4,815	1,514	11,250
	1-Jul	47	48	67	561	2,217	11,741	1,316	8,026	2,342	9,113	2,653	19,309
	2-Jul	34	34	24	207	2,572	12,986	1,244	7,339	2,314	9,161	2,492	18,164
	3-Jul	45	46	37	436	3,242	16,671	1,343	8,060	3,308	12,767	2,869	21,005
	4-Jul	38	38	24	191	1,815	9,303	904	5,555	3,782	14,140	2,107	15,439
	5-Jul	40	40	19	180	1,790	9,331	1,009	6,298	5,429	20,242	2,614	19,237
	6-Jul	50	51	16	176	2,505	13,152	1,452	8,763	8,150	30,693	3,507	25,729
	7-Jul	51	53	35	383	4,649	24,317	2,272	14,071	12,575	48,111	4,823	35,506
	8-Jul	46	57	13	135	4,266	22,945	2,075	12,544	17,697	67,524	5,736	42,282

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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	13-Jul	33	35	10	96	5,012	26,118	1,078	6,260	13,842	50,499	5,263	37,825
Kodiak District ^b	14-Jul	51	59	19	195	8,089	44,981	2,072	12,205	21,847	81,855	8,638	62,397
(cont.)	15-Jul	50	57	14	178	4,985	26,431	1,421	8,607	13,543	51,794	6,171	44,402
	16-Jul	48	51	13	129	4,946	26,645	1,795	10,930	11,948	45,570	6,482	46,933
	17-Jul	43	51	8	92	12,108	63,203	1,942	12,029	14,851	57,813	7,003	51,064
	20-Jul	44	57	6	78	12,254	65,833	1,077	6,758	13,233	49,382	6,033	41,799
	21-Jul	47	52	6	74	17,182	90,269	1,284	7,981	15,775	60,853	8,332	59,598
	22-Jul	50	55	5	69	12,140	64,328	1,011	6,303	12,134	46,419	7,388	53,013
	23-Jul	53	56	6	78	10,389	54,649	959	5,977	9,683	36,758	5,620	40,291
	24-Jul	50	52	10	88	8,778	46,588	1,232	7,564	12,749	54,875	6,300	45,698
	25-Jul	54	55	2	26	11,335	60,636	1,268	7,830	12,701	50,236	5,056	36,301
	26-Jul	50	51	14	131	11,915	65,438	1,349	8,139	11,898	46,311	5,846	41,427
	27-Jul	54	60	9	125	15,574	84,532	1,353	8,437	10,937	42,210	5,638	40,078
	28-Jul	50	51	5	46	10,094	53,431	1,282	7,933	10,799	41,271	3,857	27,304
	29-Jul	45	59	4	57	4,792	25,617	1,005	6,188	10,558	41,424	3,879	28,455
	2-Aug	34	36	0	0	3,893	20,718	587	3,745	11,240	41,628	1,829	12,748
	3-Aug	51	63	5	57	9,998	53,198	1,811	11,453	27,559	105,892	5,698	40,425
	4-Aug	44	54	0	0	6,069	31,511	1,607	9,717	28,040	106,233	6,163	44,032
	5-Aug	49	50	10	135	4,386	22,853	1,730	10,358	27,797	105,667	6,981	48,669
	6-Aug	51	57	4	69	4,423	23,587	1,768	10,764	30,547	114,394	5,412	37,382
	7-Aug	51	55	6	68	8,501	45,383	1,480	9,524	30,770	120,546	4,310	30,726
	8-Aug	52	58	4	56	8,727	47,217	1,405	8,830	33,913	133,138	4,774	33,916
	9-Aug	49	53	9	85	11,205	60,770	1,459	9,295	28,170	106,934	4,204	29,513
	10-Aug	48	51	14	148	9,832	52,983	1,765	11,309	38,321	140,330	5,553	38,808
	11-Aug	51	52	5	49	4,005	21,132	1,189	7,604	30,637	112,585	2,747	19,015
	12-Aug	48	52	3	38	3,490	18,636	1,205	7,870	41,316	152,973	2,957	20,996
	13-Aug	51	55	11	94	3,692	20,246	1,180	7,619	41,926	153,660	2,661	18,039
	14-Aug	50	54	7	99	4,019	21,137	1,924	10,649	37,267	136,444	2,724	19,089
	15-Aug	49	52	8	100	4,758	24,347	1,126	7,377	28,306	103,600	2,277	16,569
	16-Aug	43	49	3	32	4,501	24,178	1,031	6,622	24,900	92,259	2,329	16,225
	17-Aug	49	53	3	41	4,902	27,244	968	6,315	22,492	83,720	2,088	14,465

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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	18-Aug	34	37	3	62	6,400	33,599	1,460	9,149	28,159	102,556	1,947	13,640
Kodiak District ^b	19-Aug	46	47	3	27	7,617	39,798	1,715	10,905	40,902	148,805	2,378	16,197
(cont.)	20-Aug	47	56	5	67	4,618	24,565	1,518	9,567	42,642	154,492	1,916	13,386
	21-Aug	45	50	3	23	2,791	14,773	1,186	7,550	27,154	99,884	1,364	9,469
	22-Aug	37	39	4	52	3,081	15,925	1,057	6,706	30,250	110,709	1,526	10,314
	23-Aug	38	40	2	17	4,368	22,095	955	5,893	37,076	135,536	1,461	10,105
	24-Aug	43	46	4	38	3,893	20,431	1,075	7,016	40,093	147,849	1,475	9,977
	25-Aug	42	45	3	20	2,923	15,774	1,054	6,849	33,110	123,645	1,193	8,227
	26-Aug	35	38	5	45	3,937	21,414	1,182	7,654	35,226	129,579	1,066	7,277
	27-Aug	24	24	1	6	3,159	15,952	1,209	7,745	19,884	71,038	556	3,877
	28-Aug	28	31	4	34	6,771	32,482	1,501	9,577	27,810	96,024	958	6,285
	29-Aug	33	44	3	39	4,704	25,186	1,681	11,187	28,123	99,182	891	5,970
	30-Aug	24	24	1	5	2,071	10,790	795	5,333	13,959	50,811	558	3,649
	31-Aug	24	25	0	0	3,949	20,461	1,464	9,529	16,324	60,284	782	5,132
	1-Sep	32	34	0	0	3,841	21,272	1,513	9,770	18,049	64,072	646	4,367
	2-Sep	32	37	0	0	2,776	15,645	1,283	8,352	13,421	49,587	434	2,929
	3-Sep	31	32	0	0	2,133	11,867	1,030	6,756	10,054	37,112	440	3,039
	4-Sep	32	35	7	68	3,102	17,085	1,510	10,154	8,890	33,013	663	3,582
	5-Sep	32	33	2	12	7,111	38,524	2,430	16,121	9,494	35,111	410	2,701
	6-Sep	26	26	2	18	4,276	23,651	1,238	8,195	5,189	19,032	200	1,378
	7-Sep	25	27	3	26	4,256	22,781	1,816	11,953	3,431	12,617	215	1,423
	8-Sep	29	29	2	15	6,976	38,545	1,964	11,721	2,464	9,442	243	1,638
	9-Sep	22	24	1	6	5,278	29,818	1,559	9,843	1,454	5,502	178	1,230
	10-Sep	25	25	4	34	4,408	23,671	1,714	11,140	1,524	5,819	110	754
	11-Sep	24	25	2	15	9,734	51,704	2,589	16,859	1,560	5,617	252	1,626
	12-Sep	23	23	1	8	9,982	51,013	2,099	13,768	1,319	5,005	204	1,318
	13-Sep	18	20	1	10	7,363	38,166	1,889	12,459	1,018	3,874	245	1,572
	14-Sep	18	18	1	9	4,776	25,268	1,610	10,693	411	1,486	146	982
	15-Sep	22	23	2	33	7,579	38,230	1,979	13,563	541	2,037	202	1,302
	16-Sep	12	12	0	0	3,307	16,544	892	6,299	128	473	102	700
	17-Sep	10	10	0	0	2,631	13,066	923	6,412	40	145	27	187

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Management				Chinook		Sockeye		Coho		Pink		Chum	
Unit	Date	Permits	Landings	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
	18-Sep	9	11	1	8	3,331	16,455	1,094	7,615	56	212	78	513
	19-Sep ^a												
Total		95	3,852	1,459	14,518	472,340	2,494,586	108,710	684,629	1,240,350	4,620,985	221,345	1,572,938
Average weight					9.95		5.28		6.30		3.73		7.11

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

^a Confidential.

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

APPENDIX F. NORTH SHELIKOF FISHERY SUMMARY

INTRODUCTION

In 1988 there was a significant harvest of large (greater than 6 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 cape¹. 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; Jackson 2015).

In the twenty 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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¹ 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.

2015 Summary

With the expectation of a relatively low pink salmon run in 2015 (Munro 2015), three 57-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; Jackson 2015). The NSSSSMP prescribes 57-hour fishing periods in that portion of the North Shelikof management unit in the Mainland District, and these 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 below average fishing effort and low harvest rates. A total of 15 permit holders harvested 44 Chinook, 1,765 sockeye, 513 coho, 4,616 pink, and 513 chum salmon during the first fishing period in the North Shelikof management unit (Appendix F5). Fishing effort was also light in the Southwest Afognak management unit with 9 permit holders harvesting 9 Chinook, 3,865 sockeye, 1,079 coho, 23,339 pink, and 1,806 chum (Appendix F6).

Second Fishing Period (July 13 to 17)

During the second fishing period, the number of the vessels fishing in the North Shelikof management unit was below average although harvest rates increased and the total harvest within the North Shelikof Management Units exceeded the 15,000 sockeye salmon cap. By regulation the seaward zones were closed in the Dakavak Bay, Outer Kukak Bay, Hallo Bay, Big River, Northwest Afognak, and Shuyak Island Sections at 3:00 p.m. Wednesday, July 15. During the second fishing period, 10 permit holders harvested of 31 Chinook, 24,385 sockeye, 3,721 coho, 30,935 pink, 4,076 chum salmon (Appendix F5).

There was a slight increase in fishing effort within the Southwest Afognak management unit during the second fishing period with 11 permit holders harvesting 99 Chinook, 13,439 sockeye, 4,111 coho, 114,525 pink, and 3,939 chum (Appendix F6).

Third Fishing Period (July 20 to 25)

Effort increased during the third period within the North Shelikof management unit. During the third period 25 permit holders harvested 77 Chinook, 56,075 sockeye, 3,058 coho, 253,438 pink, and 7,016 chum salmon (Appendix F5).

Despite increased harvest rates during the third fishing period, a Southwest Afognak Section seaward zone closure was not necessary in 2015. From July 19 through July 25, 17 permit holders harvested 94 Chinook, 20,990 sockeye, 2,269 coho, 162,729 pink, and 5,515 chum salmon in the Southwest Afognak unit (Appendix F6).

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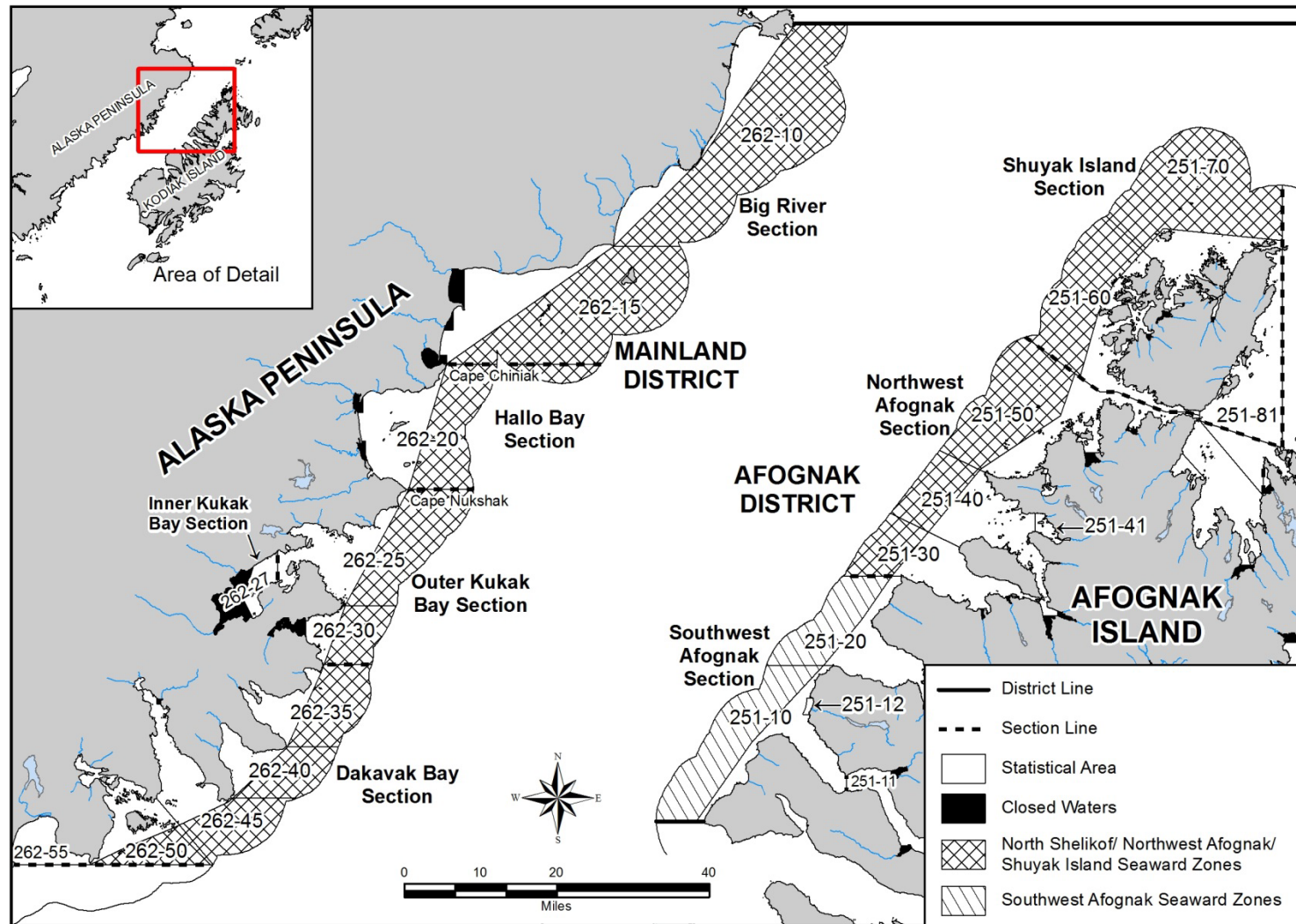
Season Totals

The 2015 North Shelikof management unit harvest for the time period of July 6 through July 25 totaled 152 Chinook, 82,225 sockeye, 7,292 coho, 288,989 pink, and 11,605 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 4.79 pounds.

The 2015 Southwest Afognak Unit harvest for the time period of July 6 through July 25 totaled 202 Chinook, 38,294 sockeye, 7,459 coho, 300,593 pink, and 11,260 chum salmon, taken by 25 permit holders (Appendices F4 and F6). The average weight of the sockeye salmon harvested in the Southwest Afognak management unit was 4.63 pounds (Appendix F6).

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Appendix F2.—Map showing the North Shelikof management area.

Appendix F3.—Summary of fishing time, zone closures, effort, and harvest by species, for the North Shelikof management unit of the Kodiak Management Area, 1991–2015.

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
2015	7.1	2.8	13.1	7.8	15-Jul	3:00 PM	22,332	35	152	82,225	7,292	288,989	11,605	2.6

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, 1991–2015.

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
2015	13.6	0.0	none	none	no closure	25	202	38,294	7,459	300,593	11,260	2.6

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

Appendix F5.—Daily salmon harvest by species for the North Shelikof management units of the North Shelikof Strait Sockeye Salmon Management Plan, 2015.

Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
First Period (July 6–July 8)												
6-Jul	10	10	41	513	875	3,936	319	2,028	1,598	5,439	243	1,985
7-Jul	4	4	3	53	196	1,002	86	739	650	1,965	155	1,206
8-Jul ^a												
Total	15	13	44	566	1,765	7,792	513	3,325	4,616	14,508	513	4,000
Average weight				12.86		4.41		6.48		3.14		7.80
Second Period (July 13–July 17)												
13-Jul ^a												
14-Jul	8	9	23	176	12,796	56,361	1,986	13,873	16,923	63,089	2,470	18,858
15-Jul	4	4	5	82	10,406	59,487	1,506	10,787	9,586	29,006	1,319	9,950
16-Jul ^a												
Total	10	17	31	273	24,385	121,703	3,721	26,040	30,935	109,463	4,076	30,680
Average weight				8.81		4.99		7.00		3.54		7.53
Third Period (July 20–July 25)												
20-Jul	10	10	34	396	11,938	66,619	509	3,284	64,847	197,481	1,468	12,083
21-Jul	9	9	25	320	10,335	53,355	809	5,284	19,073	58,100	1,289	9,489
22-Jul	9	9	14	120	8,731	45,627	558	3,776	51,402	141,134	1,608	11,110
23-Jul	8	10	4	22	9,574	34,282	716	4,217	48,124	141,083	1,503	9,799
24-Jul	7	7	0	0	11,348	43,315	225	1,373	37,312	106,824	622	3,488
25-Jul	6	7	0	0	4,149	20,908	241	1,727	32,680	95,936	526	3,892
Total	25	52	77	858	56,075	264,106	3,058	19,661	253,438	740,558	7,016	49,861
Average weight				11.14		4.71		6.43		2.92		7.11
North Shelikof Management Harvest July 6–July 25												
Total	35	85	152	1,697	82,225	393,601	7,292	49,026	288,989	864,529	11,605	84,540
Average weight				11.17		4.79		6.72		2.99		7.28

^a Confidential.

Appendix F6.—Daily salmon harvest by species in the Southwest Afognak management units of the North Shelikof Strait
Sockeye Salmon Management Plan, 2015.

Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	
First Period (July 6–July 8)													
6-Jul	5	5	5	62	1,631	7,069	592	3,491	8,703	31,469	673	4,991	
7-Jul	4	4	0	0	779	3,814	256	1,805	5,026	18,379	454	3,175	
8-Jul	3	3	4	29	1,455	5,835	231	1,822	9,610	28,973	679	5,416	
Total	9	12	9	91	3,865	16,718	1,079	7,118	23,339	78,821	1,806	13,582	
Avg. Wt.				10.11		4.33		6.60		3.38		7.52	
Second Period (July 13–July 17)													
13-Jul	5	5	16	267	2,486	11,183	745	5,956	21,475	67,692	786	6,066	
14-Jul	5	5	0	0	3,878	16,192	853	5,915	31,694	92,078	760	5,056	
15-Jul	6	6	8	125	3,165	15,633	724	5,298	27,373	83,202	576	4,763	
16-Jul	4	4	46	523	1,243	5,751	934	6,550	12,148	38,055	263	1,855	
17-Jul	6	6	29	395	2,667	14,619	855	5,311	21,835	68,478	1,554	10,892	
Total	11	26	99	1,310	13,439	63,378	4,111	29,030	114,525	349,505	3,939	28,632	
Avg. Wt.				13.23		4.72		7.06		3.05		7.27	
Third Period (July 19–July 25)													
20-Jul	10	10	10	174	6,507	29,280	631	4,265	47,518	154,344	1,370	9,971	
21-Jul	6	6	19	229	2,357	11,954	239	1,627	16,784	53,357	462	3,442	
22-Jul	13	14	27	318	8,024	36,206	709	4,455	36,071	126,895	1,876	13,505	
23-Jul	3	3	0	0	247	1,229	48	340	1,846	5,870	67	494	
24-Jul	10	10	38	500	3,340	15,850	488	3,530	49,574	164,367	1,247	9,554	
25-Jul ^a													
Total	17	45	94	1,221	20,990	97,024	2,269	14,978	162,729	539,029	5,515	39,617	
Avg. Wt.				12.99		4.62		6.60		3.31		7.18	
Season													
Total	25	83	202	2,622	38,294	177,120	7,459	51,126	300,593	967,355	11,260	81,831	
Avg. Wt.				12.98		4.63		6.85		3.22		7.27	

^a 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.

2015 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 3. On June 14 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 moderate to strong and Southeast Afognak Section remained open to continuous fishing until July 8. After July 8, fishing time in the Southeast Afognak Section occurred at the same time as most of the Afognak District with normal closed waters. A total of 61 permit holders harvested 21 Chinook, 12,591 sockeye, 7,658 coho, 919,658 pink, and 5,763 chum salmon (Appendix G3). The 2015 sockeye salmon escapement into Afognak Lake was 36,780 fish (Fuerst *In prep*), which was within the BEG of 20,000 to 50,000 fish (Sagalkin et al. 2013).

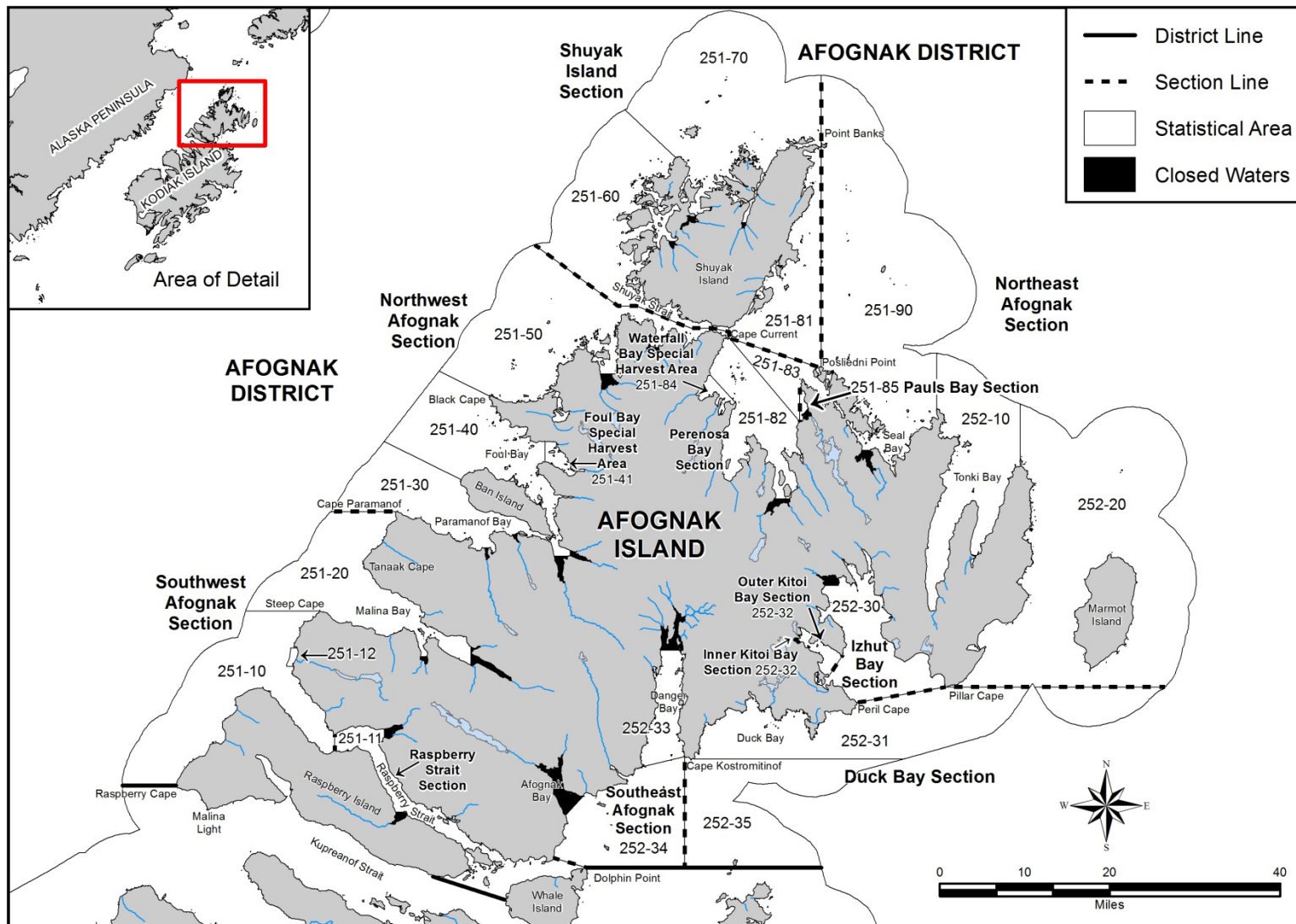
The salmon fishery (both commercial and cost-recovery) targeting Kitoi Bay Hatchery fish began on June 6 with the last delivery occurring on September 17. In fisheries targeting the Kitoi Bay Hatchery return, which include the Duck Bay, Izhut Bay, Inner Kitoi Bay, and Outer Kitoi Bay sections, 113 permit holders harvested 699 Chinook, 62,333 sockeye, 49,307 coho, 4,955,923 pink, and 54,607 chum salmon (Appendix G3). The hatchery late-run sockeye was similar to the preseason forecast, but early-run sockeye, coho, pink, and chum salmon harvests were all well below harvest forecasts (Munro 2015).

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 2,889,304 pink salmon (9 million pounds), about 84% of the 2015 Kitoi Bay Hatchery pink salmon harvest. In 2015, 9,229 sockeye, 3,744 coho, and 1,651 chum salmon were also harvested in the cost-recovery fishery.

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

Appendix G3.–Daily salmon harvest by species for the management units of the East Afognak Management Plan, 2015.

Management Unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Raspberry Strait	7-Jul ^a												
Section	21-Jul ^a												
251-11	27-Jul ^a												
	21-Aug ^a												
Total		4	4	0	0	1,255	6,751	181	1,198	21,844	63,203	736	5,012
Average weight					0.0		5.38		6.62		2.89		6.81
S.E. Afognak	4-Jun ^a												
Section	5-Jun ^a												
252-33 & 34	9-Jun ^a												
	10-Jun ^a												
	11-Jun ^a												
	14-Jun ^a												
	16-Jun ^a												
	17-Jun	3	3	2	6	812	2,893	27	130	38	77	96	632
	19-Jun ^a												
	20-Jun ^a												
	21-Jun	3	3	2	9	294	842	29	150	36	105	25	128
	22-Jun ^a												
	24-Jun ^a												
	26-Jun ^a												
	27-Jun ^a												
	29-Jun	5	5	1	8	502	2,063	249	1,183	498	1,543	1,567	8,756
	30-Jun ^a												
	2-Jul ^a												
	3-Jul ^a												
	4-Jul ^a												
	5-Jul ^a												
	6-Jul	4	4	4	29	719	2,881	370	1,731	2,452	7,579	1,011	6,891
	7-Jul	4	4	0	0	166	697	93	641	803	2,634	395	2,815
	8-Jul ^a												
	27-Jul ^a												
	2-Aug	9	9	1	7	674	3,313	156	944	60,225	204,214	148	951

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Management				Chinook		Sockeye		Coho		Pink		Chum	
Unit	Date	Permits	Landings	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
S.E. Afognak	3-Aug	7	7	3	40	442	2,104	38	202	36,411	125,884	140	775
Section	4-Aug	8	8	0	0	694	2,991	191	1,179	51,921	173,849	337	2,259
252-33 & 34 (cont.)	5-Aug	8	8	0	0	223	1,064	46	242	14,848	49,497	22	119
	6-Aug ^a												
	7-Aug ^a												
	8-Aug ^a												
	9-Aug ^a												
	10-Aug ^a												
	11-Aug ^a												
	12-Aug ^a												
	13-Aug ^a												
	14-Aug ^a												
	15-Aug	10	11	1	10	693	3,050	533	3,694	100,764	343,817	166	1,106
	16-Aug	18	18	0	0	941	4,281	833	5,358	79,668	267,429	259	1,814
	17-Aug	19	22	0	0	648	3,200	729	4,937	96,635	331,552	191	1,431
	18-Aug	6	6	0	0	58	274	54	288	11,588	37,869	20	154
	19-Aug	6	6	0	0	64	338	59	421	6,574	21,603	2	11
	24-Aug	4	5	0	0	91	465	289	2,231	31,959	99,367	48	338
	25-Aug	10	11	0	0	195	956	784	5,543	80,190	243,362	53	300
	26-Aug	7	8	0	0	128	573	504	3,216	54,781	180,523	59	355
	27-Aug	3	3	0	0	81	284	326	1,646	31,758	91,742	17	83
	28-Aug ^a												
	29-Aug	7	8	0	0	125	594	417	2,894	95,305	291,668	52	370
	30-Aug	5	5	0	0	65	297	327	1,724	68,833	206,495	21	124
	31-Aug ^a												
	2-Sep ^a												
	3-Sep ^a												
Total		61	207	21	152	12,591	54,923	7,658	47,728	919,658	2,988,700	5,763	38,968
Average weight					7.24		4.36		6.23		3.25		6.76

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Management		Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
Unit	Date			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Izhut Bay Section	8-Jun ^a												
252-30	9-Jun ^a												
	10-Jun ^a												
	11-Jun ^a												
	12-Jun ^a												
	14-Jun ^a												
	15-Jun ^a												
	17-Jun ^a												
	20-Jun ^a												
	21-Jun ^a												
	22-Jun ^a												
	23-Jun ^a												
	24-Jun	5	5	10	54	245	1,212	191	1,340	115	348	2,458	18,470
	27-Jul ^a												
	29-Jul ^a												
	27-Aug	25	25	0	0	87	463	1,355	9,079	53,360	165,238	2,038	7,198
	28-Aug	16	17	0	0	164	762	3,899	23,215	108,019	370,894	172	748
	29-Aug	16	17	0	0	68	300	2,025	11,976	132,896	419,105	12	74
	30-Aug	8	8	0	0	8	30	274	1,691	22,185	68,917	4	25
	31-Aug	6	6	0	0	29	121	518	3,888	22,552	69,897	4	32
	2-Sep ^a												
	3-Sep ^a												
	5-Sep ^a												
	10-Sep ^a												
	11-Sep ^a												
	12-Sep ^a												
	13-Sep ^a												
	15-Sep ^a												
	16-Sep	3	3	0	0	1	5	264	1,917	0	0	1	5
	17-Sep ^a												
Total		58	109	25	120	1,875	9,211	12,292	78,962	357,574	1,146,978	7,423	46,123
Average weight					4.80		4.91		6.42		3.21		6.21

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Management		Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
Unit	Date			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Duck Bay Section 252-31 & 35	3-Jun ^a												
	5-Jun	5	5	50	502	2,370	9,986	3	12	421	1,271	310	2,763
	6-Jun ^a												
	8-Jun	4	4	58	329	1,376	5,229	0	0	460	1,342	359	2,159
	9-Jun ^a												
	10-Jun	8	8	19	156	2,054	7,983	17	83	1,135	3,566	629	3,211
	11-Jun ^a												
	12-Jun	6	6	62	368	1,284	6,392	22	121	672	2,028	269	2,081
	13-Jun ^a												
	14-Jun	3	3	7	61	243	1,026	28	165	227	664	178	1,198
	15-Jun ^a												
	16-Jun	5	5	40	146	2,150	8,502	924	4,511	1,306	4,056	497	3,069
	17-Jun ^a												
	18-Jun ^a												
	19-Jun ^a												
	20-Jun ^a												
	21-Jun	10	10	67	289	2,864	9,214	2,125	10,422	2,289	5,964	4,078	22,395
	22-Jun	7	8	86	413	1,166	5,940	1,206	8,496	1,676	4,876	3,249	24,286
	23-Jun	7	7	24	126	510	2,250	1,221	6,774	686	2,068	2,491	16,028
	24-Jun	4	4	2	20	178	828	294	1,978	211	652	1,839	13,073
	25-Jun ^a												
	26-Jun	5	5	3	5	386	1,765	513	3,373	229	655	2,286	15,495
	27-Jun	3	3	1	6	171	831	144	879	163	480	633	4,018
	11-Jul	19	19	14	105	1,373	6,641	900	6,411	5,795	17,441	1,409	10,275
	12-Jul	6	6	1	4	486	2,119	271	1,890	2,187	6,813	655	4,604
	13-Jul ^a												
	14-Jul ^a												
	15-Jul ^a												
	16-Jul	3	3	4	35	1,007	4,872	320	1,635	4,999	18,419	613	3,359

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Management		Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
Unit	Date			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Duck Bay	17-Jul	5	5	15	122	2,713	12,745	978	5,078	10,409	43,023	1,490	8,568
Section	18-Jul	4	4	18	127	1,255	5,016	400	2,820	5,795	18,289	324	3,367
252-31 & 35	19-Jul	4	4	23	195	1,175	5,702	505	2,529	5,686	21,714	524	2,627
(cont.)	20-Jul	4	4	2	32	1,548	7,872	686	3,450	11,657	40,737	448	2,698
	21-Jul	4	4	1	13	793	3,978	224	1,668	6,521	24,742	262	2,031
	23-Jul	4	4	2	27	2,095	10,243	436	2,656	13,611	45,143	435	2,793
	24-Jul	4	5	5	35	1,640	8,447	591	3,614	13,687	47,552	539	3,272
	25-Jul ^a												
	26-Jul	5	5	3	56	2,133	10,053	668	3,625	18,839	62,943	575	3,210
	27-Jul	5	5	1	22	1,522	7,503	347	2,303	16,556	57,275	228	1,519
	28-Jul	15	16	3	38	4,238	21,617	2,710	11,491	58,758	199,819	1,168	7,294
	29-Jul	13	14	1	10	2,104	9,676	526	3,219	64,201	226,317	553	3,655
	24-Aug	33	37	2	13	677	2,906	2,464	15,766	240,139	751,916	3,163	10,107
	25-Aug	32	36	0	0	652	2,841	2,586	17,057	196,532	613,312	176	1,031
	26-Aug	23	23	4	28	407	1,727	2,031	11,930	160,993	529,064	164	1,114
	27-Aug	11	12	6	68	196	880	994	6,442	83,352	272,312	90	527
	28-Aug	14	14	0	0	293	1,584	2,159	15,000	114,543	404,410	35	205
	29-Aug	12	14	0	0	289	1,518	1,806	12,493	152,219	456,645	134	783
	30-Aug	11	13	0	0	213	1,063	760	4,726	137,271	446,529	30	206
	31-Aug	9	9	0	0	110	495	835	5,290	125,195	412,624	31	177
	1-Sep ^a												
	3-Sep ^a												
	5-Sep ^a												
Total		97	354	673	4,130	50,992	231,559	32,753	196,012	1,498,759	4,869,886	41,817	249,713
Average weight					6.14		4.54		5.98		3.25		5.97

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Management		Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
Unit	Date			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Inner & Outer	6-Jun ^a												
Kitoi Bay	7-Jun ^a												
sections	8-Jun ^a												
252-32	9-Jun ^a												
	10-Jun ^a												
	11-Jun ^a												
	12-Jun ^a												
	14-Jun ^a												
	15-Jun ^a												
	17-Jun	3	3	0	0	43	228	23	129	19	81	802	5,834
	18-Jun ^a												
	19-Jun ^a												
	31-Jul ^a												
	1-Aug ^a												
	2-Aug ^a												
	3-Aug ^a												
	5-Aug ^a												
	6-Aug ^a												
	7-Aug ^a												
	8-Aug ^a												
	9-Aug ^a												
	10-Aug ^a												
	11-Aug ^a												
	12-Aug ^a												
	13-Aug ^a												
	14-Aug ^a												
	15-Aug ^a												
	16-Aug ^a												
	17-Aug ^a												
	18-Aug ^a												
	19-Aug ^a												

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Management		Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
Unit	Date			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Inner & Outer	20-Aug ^a												
Kitoi Bay	21-Aug ^a												
sections	22-Aug ^a												
252-32	23-Aug ^a												
	24-Aug ^a												
	25-Aug ^a												
	29-Aug	16	24	0	0	44	176	421	2,405	172,204	642,494	6	29
	30-Aug ^a												
	31-Aug ^a												
	4-Sep ^a												
Total		27	135	1	11	9,466	31,828	4,262	19,287	3,099,590	9,738,624	5,367	34,763
Average weight					11.00		3.36		4.53		3.14		6.48
Management Units Targeting Kitoi Hatchery (Inner & Outer Kitoi Bay, Izhut Bay, and Duck Bay Sections)													
Subtotal		113	598	699	4,261	62,333	272,598	49,307	294,261	4,955,923	15,755,488	54,607	330,599
Average weight					6.10		4.37		5.97		3.18		6.05
East Afognak Management Units													
Grand Total		120	809	720	4,413	76,179	334,272	57,146	343,187	5,897,425	18,807,391	61,106	374,579
Average weight					6.13		4.39		6.01		3.19		6.13

^a 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 296,000 Spiridon Lake, (including Telrod Cove net pen production) sockeye salmon was expected in 2015 (Munro 2015). 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.

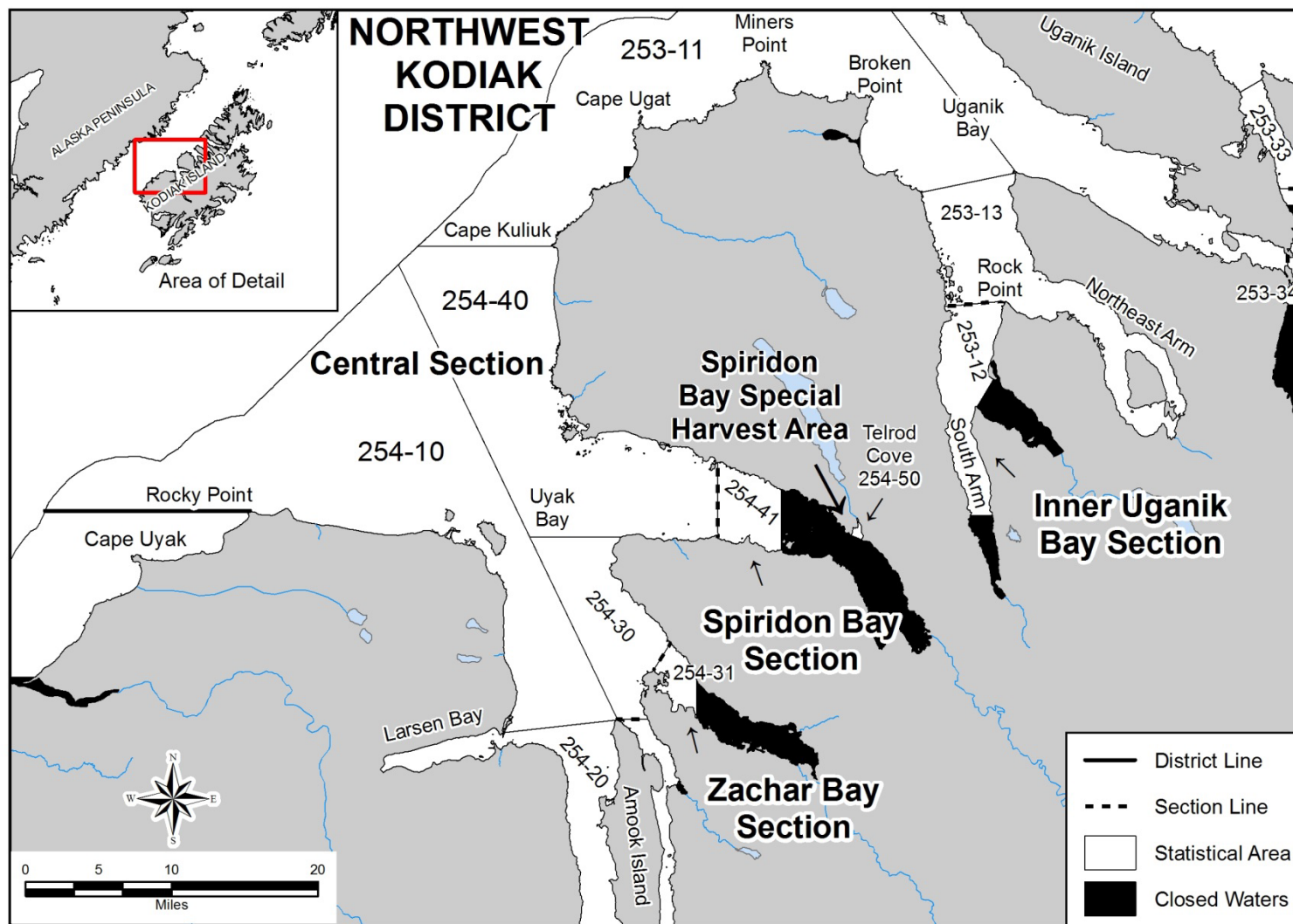
2015 Spiridon Bay Sockeye Salmon Fishery

KRAA conducted a cost-recovery harvest to help fund a portion of the stocking program. The cost-recovery harvest began on June 30, continued until July 20, and harvested 34,338 sockeye, 4,994 pink, and 184 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 14). Twenty-three purse seine permit holders harvested a total of 1 Chinook, 57,884 sockeye, 46 coho, 95,113 pink, and 3,129 chum salmon in the common property fishery in SBSHA (Appendix H3). The total number of sockeye salmon harvested in Telrod Cove was 92,222 fish, 37% (34,338 fish) of which was harvested for cost recovery (Appendix H4).

In 2015, 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 after it was determined that the pink salmon run was likely stronger than the preseason 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 2015 was estimated at 269,651 fish, with approximately 39% (92,222 fish) harvested within SBSHA and an estimated 61% (145,772 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).

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- Munro, A. R., editor. 2015. Run forecasts and harvest projections for 2015 Alaska salmon fisheries and review of the 2014 season. Alaska Department of Fish and Game, Special Publication No. 15-04, Anchorage
- 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, 2015.

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	10	10	0	0	9,015	44,134	17	85	10,342	30,476	363	2,900
	22-Jul	4	4	0	0	4,011	21,345	0	0	2,862	9,136	102	821
	23-Jul	8	8	0	0	3,241	17,661	1	4	3,791	15,934	279	1,996
	24-Jul	12	13	0	0	5,900	28,539	1	5	8,085	23,838	304	2,430
	25-Jul	7	7	0	0	2,604	13,016	15	116	3,504	10,509	113	907
	26-Jul	9	10	0	0	4,220	27,840	0	0	3,786	11,416	146	1,073
	27-Jul	6	6	0	0	3,000	17,337	0	0	1,946	6,572	60	487
	28-Jul	8	8	0	0	2,946	15,031	0	0	3,680	11,739	172	1,335
	29-Jul	4	6	0	0	2,892	13,793	1	6	2,975	9,139	116	963
	30-Jul	3	3	0	0	1,559	7,783	0	0	2,295	6,595	116	922
	31-Jul	5	5	0	0	1,433	7,191	0	0	3,496	10,974	259	2,157
	1-Aug	4	4	0	0	1,211	5,734	1	2	2,425	7,533	169	1,293
	2-Aug	7	8	0	0	1,899	10,755	2	8	7,277	32,194	216	1,706
	3-Aug	4	4	0	0	1,502	6,740	1	7	5,825	21,090	224	1,324
	4-Aug ^a												
	5-Aug	5	5	0	0	2,517	12,376	3	23	15,806	51,301	248	2,120
	6-Aug ^a												
	7-Aug	4	4	1	6	2,711	13,547	0	0	2,966	8,898	2	15
	8-Aug	3	3	0	0	2,505	12,508	0	0	2,345	7,029	5	40
	13-Aug	9	9	0	0	3,228	16,353	1	6	6,007	19,667	21	156
	14-Aug ^a												
Total		23	122	1	6	57,884	298,760	46	279	95,113	315,930	3,129	23,788
Average weight					6.00		5.16		6.06		3.32		7.60

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

^a Confidential

Appendix H4.—Estimated contribution to the commercial harvest from the Spiridon Lake sockeye salmon enhancement project by locality in the Kodiak Management Area, 2015.

	Actual	Estimated	
	Telrod Cove	Southwest Afognak Section and NW Kodiak District	Westside total
Cost recovery	34,338	0	34,338
Common property	57,884	145,772	203,656
Total harvest	92,222	145,772	237,994
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 pink salmon fishery begins for most of the Kodiak Management Area (Jackson 2015). 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 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 2015 (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 Saltery River in Inner Ugak Bay Section. From July 6 through August 24, fishing opportunities in all sections are based on the abundance of local and mixed pink and chum salmon, except that in Inner Ugak Bay Section, Saltery 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 fishermen. A weir is operated on the Buskin River to enumerate escapement. Within the Inner Ugak Bay Section of the Eastside Kodiak District, the Saltery Lake system produces a significant run of sockeye salmon. A weir is operated on this stream by Kodiak Regional Aquaculture Association 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.

2015 Eastside Kodiak Fisheries

The Saltery River sockeye salmon run was moderate with cumulative escapement past Saltery weir of 42,468 fish (Fuerst *In prep*), above the desired escapement goal range of 15,000 to 35,000 fish (Jackson 2015). There were two 33-hour fishing periods in the Inner Ugak Bay Section beginning on June 14 and June 21. A third fishing period was announced for 57 hours beginning on June 27 to harvest Saltery sockeye salmon. The next fishing period began during the general pink salmon opener and was eventually extended for a total of 105 hours. The fourth 105-hour fishing period began on July 20 and was eventually extended to remain open until

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July 29 due to adequate sockeye salmon escapement into the Saltery Lake system.

In early August it was apparent that the pink salmon abundance throughout the Kodiak Archipelago was well above the preseason forecast and the majority of the Eastside Kodiak District remained open to commercial salmon fishing through early September.

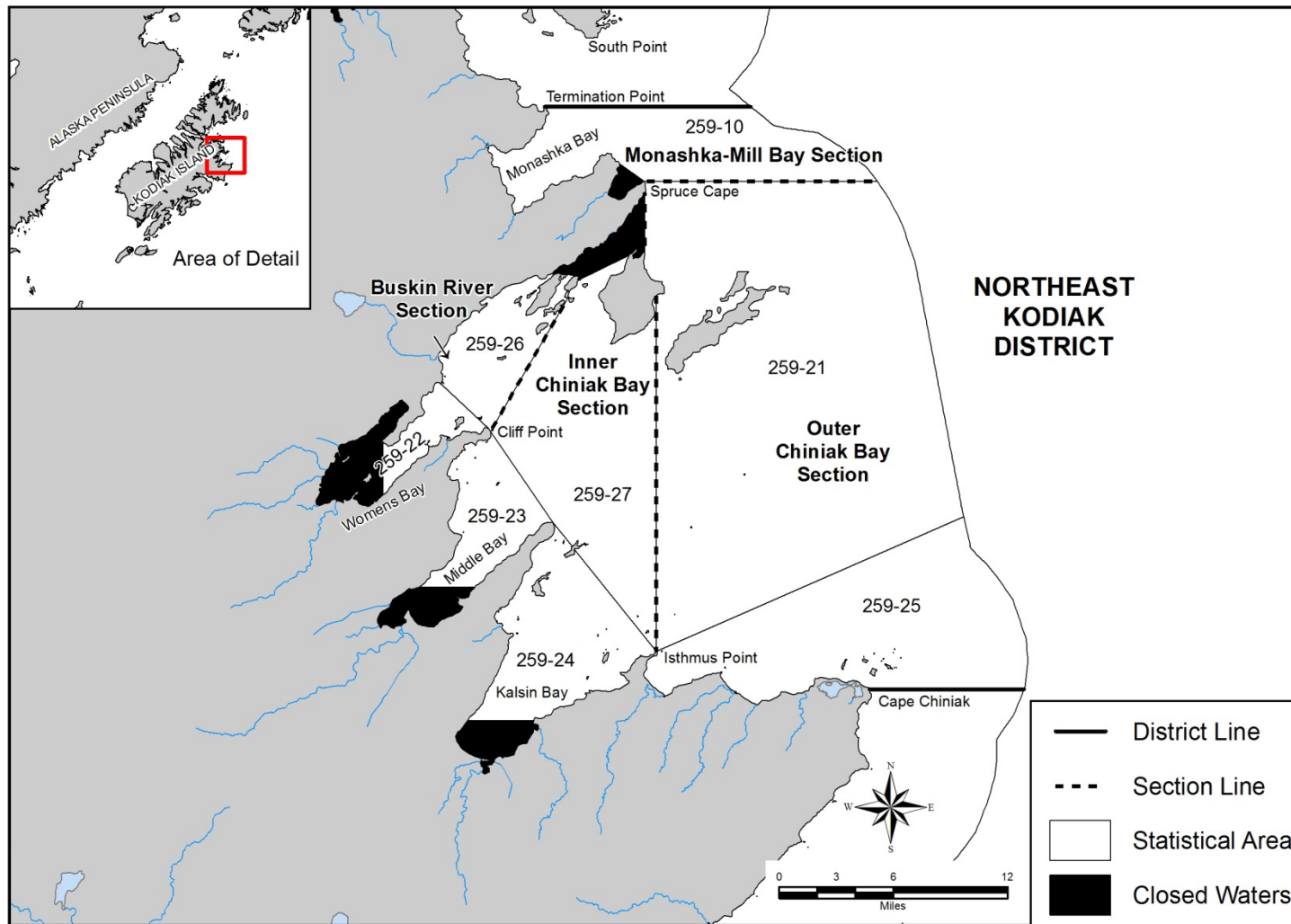
The Buskin River sockeye salmon run was moderate during the 2015 season, and no restrictions to the subsistence fishery were necessary. A total of 8,719 sockeye salmon passed above the Buskin River weir (Fuerst *In prep*), which was slightly above the escapement goal range of 5,000 to 8,000 fish (Sagalkin 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 2015 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 2,077 sockeye salmon were estimated to have passed the Pasagshak River weir in 2015 (Fuerst *In prep*), below the lower-bound SEG of 3,000 fish (Sagalkin et al. 2013).

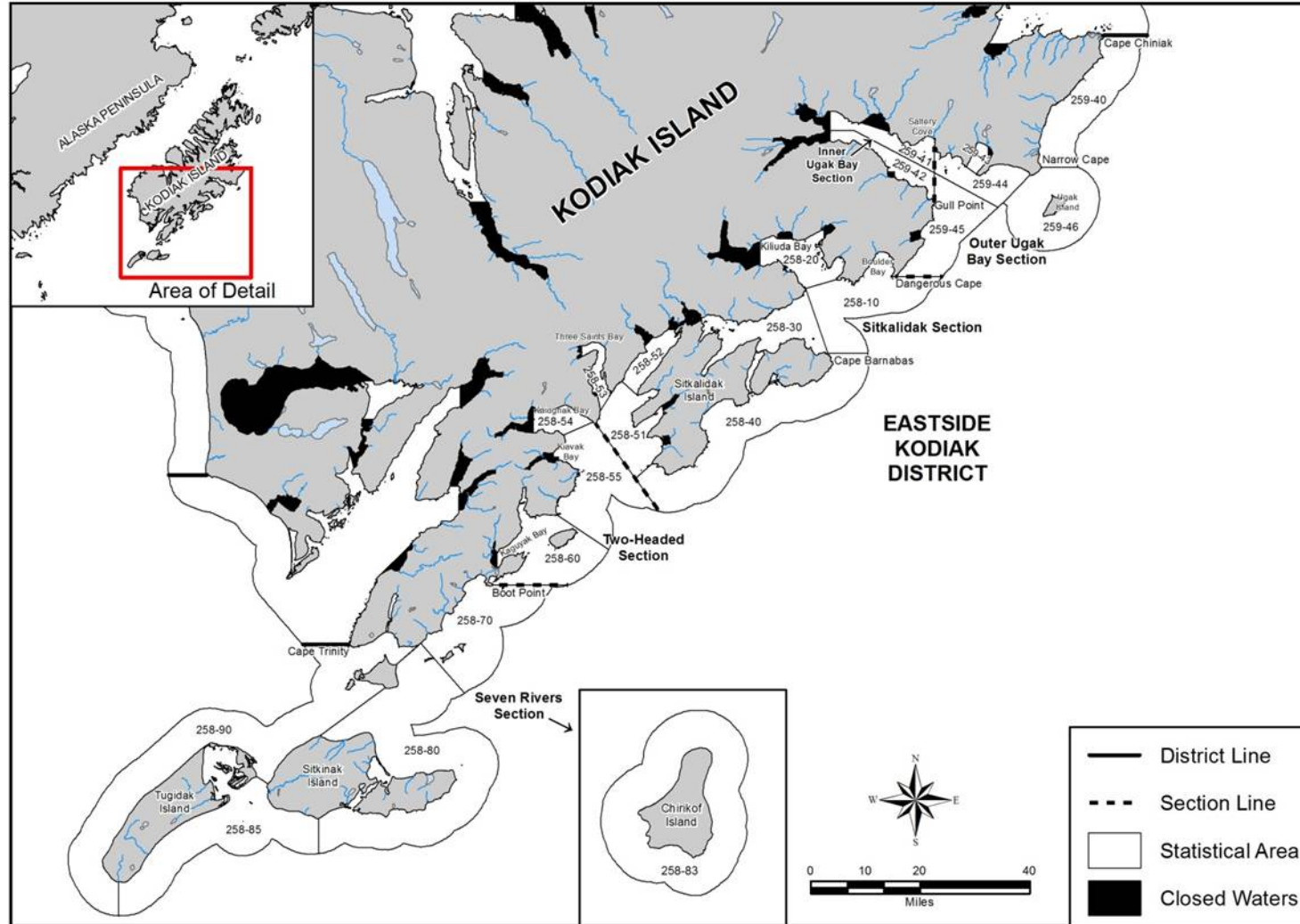
The total commercial harvest for the Eastside Kodiak management units by 109 permit holders included 944 Chinook, 76,303 sockeye, 35,966 coho, 7,013,621 pink, and 123,618 chum salmon (Appendix I4). The last day of commercial salmon harvest in the Eastside Kodiak District was September 5.

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Appendix I2.—Map of the Northeast Kodiak District commercial salmon fishing sections and statistical areas.



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

Appendix I4.—Daily commercial salmon harvest by species for the Eastside Kodiak Management Plan units, 2015.

Management		Chinook				Sockeye		Coho		Pink		Chum	
Unit	Date	Permits	Landings	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Eastside Kodiak District	14-Jun	14	14	81	504	5,003	24,346	343	1,868	1,077	3,190	347	2,029
	15-Jun	6	6	0	0	3,897	15,330	382	1,798	802	2,443	229	1,490
	21-Jun	15	15	206	1,041	7,983	34,252	5,094	25,033	4,526	13,944	2,529	17,325
	22-Jun	7	7	22	78	3,467	16,315	1,174	5,983	1,710	6,404	927	5,374
	27-Jun	3	3	1	9	353	1,749	49	294	10	30	9	54
	28-Jun ^a												
	6-Jul	18	19	39	179	2,436	10,144	2,224	11,907	16,946	49,741	2,389	15,341
	7-Jul	4	5	6	52	1,125	4,803	1,113	4,822	8,075	29,476	2,130	9,503
	8-Jul	10	11	25	115	898	4,029	996	5,128	5,503	17,138	1,320	7,164
	13-Jul ^a												
	14-Jul	3	3	0	0	986	5,770	39	201	6,035	26,815	711	5,332
	15-Jul ^a												
	20-Jul	5	5	133	681	1,433	7,195	378	2,376	9,357	30,589	1,175	8,098
	22-Jul ^a												
	23-Jul ^a												
	24-Jul	3	3	0	0	2,077	9,487	36	320	11,237	30,596	4,908	37,133
	25-Jul	7	7	2	33	2,611	13,105	4,639	15,410	34,546	103,642	2,565	20,156
	26-Jul	6	7	5	20	1,267	6,052	257	2,021	17,870	59,848	6,197	46,908
	27-Jul	10	10	26	258	2,697	14,280	669	4,760	47,086	127,481	7,377	73,900
	28-Jul	6	7	25	685	1,527	8,097	270	1,577	26,717	83,812	1,279	8,971
	29-Jul	11	11	14	113	2,966	15,414	550	3,616	47,164	130,462	4,455	31,056
	2-Aug	9	10	9	104	1,956	10,389	488	3,118	82,071	243,914	1,915	15,098
	3-Aug	6	6	18	250	1,653	9,865	426	2,529	31,780	138,396	1,437	9,007
	4-Aug	10	10	14	289	2,187	11,934	603	4,395	82,624	245,563	2,201	18,092
	5-Aug	14	25	40	463	2,381	12,413	1,005	6,162	180,528	606,429	6,127	41,018
	6-Aug	12	12	3	48	649	3,342	176	1,210	70,653	245,502	2,140	17,803
	7-Aug	13	13	1	19	795	3,452	221	1,364	102,461	334,727	2,023	11,311
	8-Aug	16	17	26	179	1,502	7,261	844	4,348	136,509	368,354	2,665	17,169
	9-Aug	15	15	3	50	1,321	5,955	205	1,353	95,169	295,160	1,920	12,569
	10-Aug	17	18	2	13	1,651	8,745	442	2,597	119,676	454,932	2,941	19,446
	11-Aug	18	20	0	0	1,238	5,841	312	1,839	170,009	557,016	1,351	9,269

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Management				Chinook		Sockeye		Coho		Pink		Chum	
Unit	Date	Permits	Landings	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Eastside Kodiak	12-Aug	15	20	0	0	760	3,747	218	1,401	183,739	781,818	1,562	10,512
District (cont.)	13-Aug	18	23	0	0	1,106	4,799	323	1,943	234,798	718,692	1,658	12,623
	14-Aug	19	25	2	42	1,841	9,028	449	2,660	231,121	823,110	1,819	11,989
	15-Aug	19	25	2	28	1,859	8,801	330	1,989	326,067	1,078,648	2,088	13,409
	16-Aug	23	26	6	56	1,538	6,818	390	2,428	314,780	1,007,235	1,800	12,170
	17-Aug	15	15	0	0	404	1,849	328	1,779	142,883	494,751	1,735	11,408
	18-Aug	19	23	0	0	452	2,213	460	2,820	212,335	718,300	2,291	15,158
	19-Aug	22	23	0	0	642	2,890	305	1,933	227,639	788,471	3,477	27,627
	20-Aug	28	31	3	51	1,037	4,578	502	3,110	279,444	994,965	2,493	16,323
	21-Aug	25	25	2	22	700	3,368	397	2,853	200,996	663,598	2,236	18,297
	22-Aug	18	20	0	0	299	1,246	268	1,497	128,197	425,541	2,118	13,029
	23-Aug	22	28	0	0	653	3,215	427	2,758	219,799	759,827	4,153	32,831
	24-Aug	24	29	0	0	679	3,611	475	3,225	265,365	873,387	3,218	24,626
	25-Aug	24	33	0	0	629	3,054	484	2,940	291,848	1,001,133	3,992	30,188
	26-Aug	16	22	0	0	595	2,790	588	3,838	165,631	605,928	2,286	17,440
	27-Aug	20	23	0	0	417	2,028	432	2,909	197,384	602,672	1,540	12,027
	28-Aug	21	29	0	0	831	3,984	837	5,681	321,029	1,040,110	2,864	21,646
	29-Aug	23	28	0	0	464	2,437	936	6,444	240,670	773,517	2,109	18,130
	30-Aug	25	30	0	0	487	2,438	1,273	7,912	224,322	779,782	2,933	20,901
	31-Aug	12	15	0	0	218	1,069	709	4,073	146,977	523,356	1,058	6,782
	1-Sep	6	6	0	0	82	437	187	1,284	40,450	159,214	1,591	12,902
	2-Sep	3	3	0	0	15	71	30	262	8,523	32,768	2,306	18,475
	3-Sep	3	3	0	0	45	213	90	786	22,017	85,863	237	1,947
	5-Sep	3	3	0	0	24	129	96	681	21,921	103,023	168	1,509
Total		86	795	720	5,411	72,786	348,736	33,759	184,624	5,960,868	20,053,138	116,030	849,248
Average weight					7.52		4.79		5.47		3.36		7.32
Northeast Kodiak	6-Jul ^a												
District	7-Jul ^a												
	8-Jul ^a												
	13-Jul ^a												
	15-Jul ^a												

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Management				Chinook		Sockeye		Coho		Pink		Chum	
Unit	Date	Permits	Landings	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Northeast Kodiak District (cont.)	17-Jul ^a												
	20-Jul	3	3	0	0	21	93	6	37	12,004	40,499	6	37
	21-Jul	3	4	7	47	78	379	13	73	12,711	44,185	55	388
	22-Jul ^a												
	23-Jul	3	3	2	15	516	2,838	15	101	30,497	97,142	41	295
	24-Jul	8	10	12	123	198	1,000	202	1,298	69,776	216,101	272	2,113
	25-Jul	11	11	3	54	353	1,740	161	1,145	50,515	166,934	587	4,428
	26-Jul	4	4	4	34	25	125	8	58	20,555	66,809	4	29
	27-Jul	7	7	5	134	43	227	48	340	32,615	127,941	56	410
	28-Jul	7	8	1	16	115	585	37	245	47,669	171,367	74	508
	29-Jul	5	5	0	0	30	133	51	278	22,128	83,670	769	6,308
	2-Aug	15	17	0	0	96	542	44	294	118,587	391,716	117	837
	3-Aug	9	11	0	0	37	177	10	74	80,217	243,778	18	193
	4-Aug	8	8	0	0	34	177	44	282	39,110	117,633	264	2,071
	5-Aug	9	10	0	0	286	1,373	68	448	60,312	200,230	214	1,579
	6-Aug	13	16	0	0	187	878	138	901	72,091	255,951	393	2,985
	7-Aug	8	8	0	0	41	186	7	58	28,120	110,555	54	417
	8-Aug	10	10	0	0	52	244	62	420	42,633	147,158	332	2,348
	9-Aug	10	10	0	0	79	338	47	245	23,242	83,874	74	530
	10-Aug	10	10	0	0	81	379	38	248	40,857	133,825	165	1,182
	11-Aug	14	14	1	12	257	1,024	224	1,041	54,265	173,218	671	3,396
	12-Aug	4	4	0	0	5	23	8	52	8,898	33,312	26	212
	13-Aug	7	7	0	0	15	71	55	329	18,487	62,638	105	722
	14-Aug ^a												
	15-Aug	5	5	0	0	95	438	26	163	19,168	66,721	44	326
	16-Aug	5	5	0	0	23	97	34	201	23,099	79,402	121	895
	17-Aug	5	5	0	0	20	90	44	277	17,940	60,235	42	307
	18-Aug	3	3	0	0	16	71	30	184	14,735	52,601	68	457
	19-Aug	6	6	0	0	59	285	108	651	16,428	57,060	113	767
	20-Aug	7	7	0	0	52	230	86	510	26,002	91,330	185	1,291
	21-Aug ^a												

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Management				Chinook		Sockeye		Coho		Pink		Chum	
Unit	Date	Permits	Landings	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Northeast Kodiak	23-Aug ^a												
District (cont.)	24-Aug ^a												
	25-Aug ^a												
	26-Aug ^a												
	1-Sep ^a												
Total		49	231	224	1,369	3,517	16,782	2,207	13,518	1,052,753	3,557,102	7,588	53,938
Average weight					6.11		4.77		6.13		3.38		7.11
Eastside Management Plan													
Total		109	1,026	944	6,780	76,303	365,518	35,966	198,142	7,013,621	23,610,240	123,618	903,186
Average weight					7.18		4.79		5.51		3.37		7.31

^a 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.

2015 North Afognak/Shuyak Island Fisheries

In 2015, the first commercial salmon fishing period for the North Afognak/Shuyak Island management units began June 3, and was limited initially to the FBSHA and the WBSHA. Within the FBSHA, there were 7 permit holders that harvested 8,327 sockeye, 17 pink, and 10 chum salmon (Appendix J3). No fishing effort occurred in the WBSHA during the 2015 season (Appendix J3).

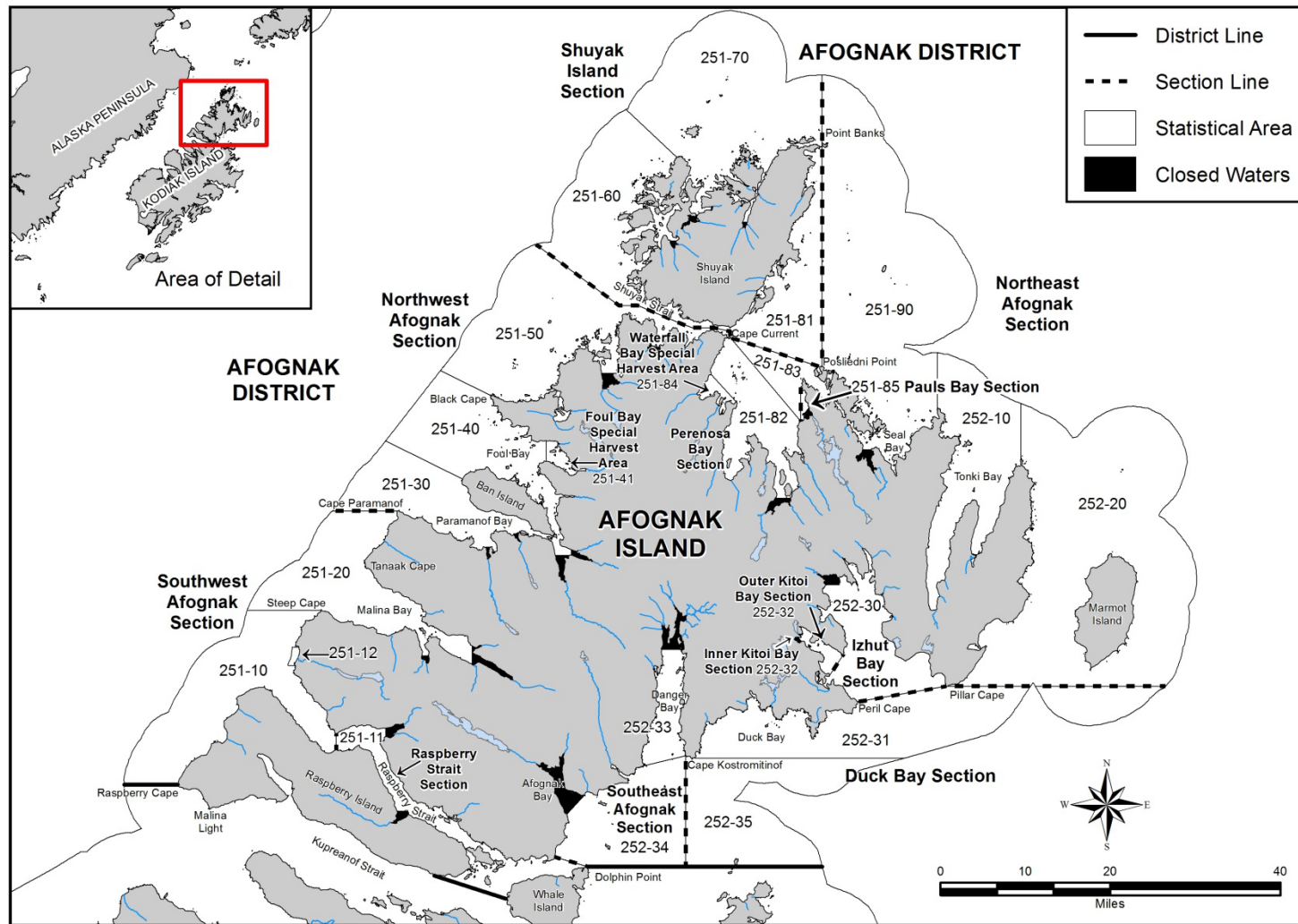
The Pauls Bay Section opened on June 14 and June 21 for two 33-hour periods in order to test the strength of the sockeye salmon run. (Appendix J3). For only the second season since 2004, the Pauls Bay weir was operated at the outlet of Pauls Lake (Fuerst *In prep*). The Pauls Bay Section remained closed to commercial salmon fishing throughout the month of July due to low sockeye salmon escapement. The Pauls Bay Section opened to commercial salmon fishing with the majority Afognak beginning on August 2 to target pink salmon returns. Despite two weeks of fishing time very limited effort occurred within the Pauls Bay section and harvest information for the 2015 season is confidential (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 2015 season.

The last landing in the North Afognak/Shuyak Island management units occurred on August 26. In all the units of the North Afognak/Shuyak fishery combined, 49 permit holders made 200 landings and harvested 18 Chinook, 115,239 sockeye, 5,866 coho, 925,644 pink, and 14,176 chum salmon (Appendix J3).

REFERENCES CITED

Fuerst, B. A. *In prep*. Kodiak Management Area weir descriptions and salmon escapement report, 2015. Alaska Department of Fish and Game, Fisheries Management Report, 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, 2015.

Management Unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Northeast Afognak Section	15-Jul ^a												
	25-Jul ^a												
	26-Jul ^a												
	28-Jul ^a												
	4-Aug	3	3	0	0	231	923	51	262	21,565	85,660	225	1,352
	5-Aug ^a												
	6-Aug ^a												
	7-Aug ^a												
	9-Aug ^a												
	11-Aug ^a												
	12-Aug ^a												
	14-Aug ^a												
	15-Aug ^a												
	16-Aug ^a												
	17-Aug ^a												
	20-Aug ^a												
	21-Aug ^a												
	26-Aug ^a												
Total		15	26	3	12	4,040	19,325	993	5,971	145,213	495,106	1,712	10,490
Average weight					4.00		4.78		6.01		3.41		6.13
Northwest Afognak Section (excluding Foul Bay SHA)	14-Jun ^a												
	15-Jun	3	3	0	0	2,263	9,376	0	0	0	0	0	0
	21-Jun ^a												
	8-Jul ^a												
	13-Jul ^a												
	14-Jul	4	5	0	0	1,153	5,465	131	745	8,492	36,072	290	2,396
	15-Jul ^a												
	20-Jul	8	8	3	30	6,678	35,057	214	1,358	62,270	188,462	994	8,284
	21-Jul ^a												
	22-Jul	6	6	0	0	7,926	40,869	302	2,223	49,302	133,929	1,285	8,549
	23-Jul	8	10	4	22	9,574	34,282	716	4,217	48,124	141,083	1,503	9,799

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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 Afognak Section (excluding Foul Bay SHA) (cont.)	24-Jul	7	7	0	0	11,348	43,315	225	1,373	37,312	106,824	622	3,488
	25-Jul	6	7	0	0	4,149	20,908	241	1,727	32,680	95,936	526	3,892
	26-Jul	11	11	0	0	23,832	124,301	445	2,809	44,356	129,043	1,496	10,936
	27-Jul	4	4	0	0	4,799	22,810	137	875	9,790	34,314	393	2,554
	28-Jul	10	11	0	0	15,139	65,976	554	3,095	37,001	120,303	1,033	6,651
	29-Jul ^a												
	2-Aug	7	7	0	0	1,779	7,803	134	588	35,918	118,085	386	2,077
	3-Aug	3	3	0	0	1,438	5,909	28	130	9,831	35,378	154	892
	4-Aug ^a												
	6-Aug ^a												
	7-Aug	5	5	2	28	756	3,945	105	742	33,684	106,573	230	1,803
	8-Aug	7	11	4	30	1,614	8,170	188	1,303	107,964	357,302	297	2,399
	9-Aug	4	4	0	0	689	3,038	55	365	24,953	76,622	58	362
	10-Aug	5	5	0	0	342	1,575	52	330	9,214	29,062	55	339
	11-Aug	4	4	0	0	797	3,013	99	571	35,708	107,069	110	542
	12-Aug ^a												
	13-Aug ^a												
	14-Aug ^a												
	16-Aug ^a												
	17-Aug ^a												
	20-Aug ^a												
Total		33	136	14	124	101,072	463,292	4,176	26,077	711,082	2,207,956	11,039	75,707
Average weight					8.86		4.58		6.24		3.11		6.86
Foul Bay Special Harvest Area	3-Jun	5	5	0	0	3,358	14,031	0	0	0	0	0	0
	5-Jun	3	3	0	0	1,032	5,077	0	0	0	0	0	0
	7-Jun	3	3	0	0	825	3,754	0	0	0	0	0	0
	9-Jun	3	3	0	0	1,086	4,937	0	0	0	0	0	0
	11-Jun	3	3	0	0	1,146	5,126	0	0	0	0	0	0
	13-Jun ^a												
	14-Jun ^a												
	15-Jun ^a												

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Management		Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
Unit	Date			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Foul Bay Special	26-Jun ^a												
Harvest Area (cont.)													
Total		7	23	0	0	8,327	36,852	10	63	17	50	10	59
Average weight					0.00		4.43		0.00		2.94		5.90
Pauls Bay	3-Aug ^a												
Section	4-Aug ^a												
Total ^a													
Average weight													
Perenosa Bay Section	15-Jun ^a												
(Excluding Waterfall	21-Jun ^a												
Bay)	28-Jul ^a												
	2-Aug ^a												
	4-Aug ^a												
	5-Aug ^a												
	10-Aug ^a												
	12-Aug ^a												
Total		8	12	1	6	1,608	5,813	582	4,364	47,599	154,911	1,103	6,922
Average weight					6.00		3.62		7.50		3.25		6.28
Waterfall Bay Special													
Harvest													
Area													
Total		0	0	0	0	0	0	0	0	0	0	0	0
Average weight					0.00		0.00		0.00		0.00		0.00
Shuyak Island													
Section													
Total		0	0	0	0	0	0	0	0	0	0	0	0
Average weight					0.00		0.00		0.00		0.00		0.00
Grand Total		49	200	18	142	115,239	526,218	5,866	37,222	925,644	2,919,948	14,176	95,384
Average weight					7.89		4.57		6.35		3.15		6.73

^a 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 Kafil Lake sockeye salmon in the Outer Kukak Bay 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.

2015 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 Kafil and Swikshak systems sockeye salmon. During the pink salmon season through July 25, the entire Mainland District (with the exception of the Wide Bay Section which remained closed and Cape Igvak section which opened July 16) was opened for three 57-hour fishing periods between July 6 and July 22 (with some sections managed under the NSSSSMP).

Pink and chum salmon runs were strong in the southern portion and moderate in northern areas of the Mainland District in 2015. After a fifth 57-hour pink salmon opener, which began on August 3, the entire Mainland District remained open after August 9 and did not close until September 3. The estimated pink salmon escapement of 754,600 fish was within the SEG of 250,000 to 1,000,000 fish (Sagalkin et al. 2013).

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During 2015, the total commercial harvest by 41 permit holders in the Mainland District included 316 Chinook, 277,702 sockeye, 29,710 coho, 787,280 pink, and 31,085 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 K3.–Daily commercial salmon harvest, by species, for the Mainland District Management Plan units, 2015.

Management Unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Big River Section	21-Jun ^a 8-Jul ^a												
Total ^a													
Average weight													
Hallo Bay Section													
Total ^a		0	0	0	0	0	0	0	0	0	0	0	0
Average weight													
Outer Kukak Bay Section	6-Jul ^a												
Total ^a													
Average weight													
Inner Kukak Bay Section													
Total		0	0	0	0	0	0	0	0	0	0	0	0
Dakavak Bay Section	6-Jul	9	9	41	513	605	2,717	140	897	1,380	4,564	161	1,251
	7-Jul	4	4	3	53	196	1,002	86	739	650	1,965	155	1,206
	8-Jul ^a												
	14-Jul	4	4	23	176	11,643	50,896	1,855	13,128	8,431	27,017	2,180	16,462
	15-Jul	3	3	5	82	10,294	59,038	1,488	10,664	9,341	28,024	1,309	9,878
	16-Jul ^a												
	20-Jul ^a												
	21-Jul	7	7	25	320	8,288	49,744	794	5,181	7,642	28,197	1,111	8,908
	22-Jul	3	3	14	120	805	4,758	256	1,553	2,100	7,205	323	2,561
	27-Jul ^a												
	28-Jul	3	3	0	0	7,854	39,279	674	4,057	2,706	8,912	1,091	7,948
	29-Jul	6	6	11	189	15,460	92,749	1,173	6,972	5,530	19,345	2,208	13,225
	2-Aug	10	10	6	93	23,817	117,028	993	6,328	33,515	102,021	1,025	8,157

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Management				Chinook		Sockeye		Coho		Pink		Chum	
Unit	Date	Permits	Landings	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Dakavak	3-Aug	11	11	18	158	29,290	131,892	1,106	6,891	28,655	96,665	1,682	11,082
Bay Section	4-Aug	14	14	11	141	39,572	200,936	1,819	12,027	38,107	124,816	1,709	12,771
	5-Aug	17	18	8	107	28,880	155,908	1,693	11,381	44,986	153,130	2,319	18,340
	10-Aug	4	4	17	210	12,536	62,678	1,023	6,140	15,694	47,084	1,030	8,241
	11-Aug	4	4	22	346	6,218	31,092	1,067	6,397	13,177	39,533	759	6,069
	12-Aug	4	4	11	166	15,162	75,809	7,783	27,601	21,528	64,584	1,058	8,455
	13-Aug ^a												
	14-Aug	3	3	5	63	5,861	34,666	191	1,390	13,439	42,471	182	1,426
	15-Aug	3	5	4	62	7,290	35,771	396	3,060	19,158	59,696	486	3,848
	16-Aug ^a												
	21-Aug ^a												
	25-Aug ^a												
Total		35	122	286	3,527	241,079	1,237,170	24,292	134,680	305,006	980,179	20,658	152,959
Average weight					12.33		5.13		5.54		3.21		7.40
Katmai Section	27-Jul	3	3	16	323	17,154	85,773	1,683	10,103	7,769	23,310	1,747	13,987
	5-Aug ^a												
	12-Aug ^a												
	23-Aug ^a												
Total		5	7	17	344	25,581	124,393	2,553	15,308	32,278	96,840	2,695	20,464
Average weight					20.24		4.86		6.00		3.00		7.59
Alinchak Bay Section	20-Jul ^a												
	28-Jul ^a												
	29-Jul ^a												
	30-Jul ^a												
	2-Aug ^a												
	3-Aug ^a												
	4-Aug ^a												
Total		3	7	6	35	2,618	10,519	98	603	83,662	249,621	1,727	12,937
Average weight					5.83		4.02		6.15		2.98		7.49

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Management		Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
Unit	Date			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Cape Igvak	16-Jul	4	4	1	4	1,083	5,418	531	3,190	20,175	60,791	568	4,459
Section	17-Jul	3	3	0	0	246	1,317	58	380	2,606	10,177	210	1,398
	18-Jul	11	11	1	14	3,275	18,381	1,023	6,675	35,538	110,687	2,623	20,291
	19-Jul ^a												
	2-Aug ^a												
	3-Aug ^a												
	4-Aug ^a												
	5-Aug ^a												
	9-Aug ^a												
	10-Aug ^a												
	11-Aug ^a												
	12-Aug ^a												
Total		16	35	7	48	8,147	43,811	2,587	16,657	329,650	1,045,704	5,836	44,722
Average weight					6.86		5.38		6.44		3.17		7.66
Wide Bay	5-Aug ^a												
Section													
Total ^a													
Mainland District													
Total		41	177	316	3,954	277,702	1,417,145	29,710	168,382	787,280	2,495,723	31,085	232,511
Average weight					12.51		5.10		5.67		3.17		7.48

^a 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, 2015.

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.W. Afognak	25	20-Jun	2	12	6.2	2,345	10,903	4.6	15	76	5.1	195	589	3.0	75	460	6.1
& Raspberry Straits	26	27-Jun	0	0	0.0	377	1,752	4.6	23	131	5.7	164	574	3.5	88	583	6.6
(combined)	27	4-Jul	12	109	9.1	1,690	9,158	5.4	286	2,045	7.2	4,201	13,515	3.2	962	6,962	7.2
(251-10, 11, 12, 20)	28	11-Jul	9	91	10.1	4,267	18,604	4.4	1,291	8,735	6.8	25,812	86,717	3.4	2,159	16,061	7.4
	29	18-Jul	99	1,310	13.2	13,439	63,378	4.7	4,111	29,030	7.1	114,525	349,505	3.1	3,939	28,632	7.3
	30	25-Jul	94	1,221	13.0	21,774	101,340	4.7	2,344	15,538	6.6	171,914	561,993	3.3	5,802	41,483	7.1
	31	1-Aug	22	270	12.3	18,509	94,062	5.1	1,892	12,367	6.5	141,352	474,570	3.4	4,161	29,474	7.1
	32	8-Aug	17	210	12.4	5,770	26,412	4.6	650	4,724	7.3	117,407	386,470	3.3	1,683	13,257	7.9
	33	15-Aug	21	286	13.6	6,406	30,436	4.8	1,122	7,065	6.3	280,435	907,529	3.2	1,896	12,912	6.8
	34	22-Aug	0	0	0.0	4,100	19,172	4.7	623	3,994	6.4	216,535	669,089	3.1	1,087	7,446	6.9
	35	29-Aug	0	0	0.0	277	1,643	5.9	42	238	5.7	27,268	95,447	3.5	100	812	8.1
	36	5-Sep	0	0	0.0	1,673	8,347	5.0	493	3,954	8.0	4,319	13,807	3.2	174	1,345	7.7
	37	12-Sep	0	0	0.0	3,245	16,217	5.0	785	6,063	7.7	510	1,638	3.2	141	969	6.9
	38	19-Sep	0	0	0.0	1,131	6,160	5.4	1,286	7,890	6.1	80	242	3.0	154	1,081	7.0
Total			276	3,509	12.7	85,003	407,584	4.8	14,963	101,850	6.8	1,104,717	3,561,685	3.2	22,421	161,477	7.2
N.W. Afognak	23	6-Jun	0	0	0.0	4,390	19,108	4.4	0	0	0.0	0	0	0.0	0	0	0.0
(251-30, 40, 41, 50)	24	13-Jun	0	0	0.0	3,419	15,443	4.5	0	0	0.0	0	0	0.0	1	7	7.0
	25	20-Jun	0	0	0.0	3,028	12,830	4.2	0	0	0.0	0	0	0.0	0	0	0.0
	26	27-Jun	0	0	0.0	340	1,246	3.7	66	498	7.5	194	582	3.0	290	1,987	6.9
	28	11-Jul	0	0	0.0	542	2,168	4.0	55	276	5.0	2,093	6,280	3.0	97	677	7.0
	29	18-Jul	0	0	0.0	1,604	7,548	4.7	228	1,348	5.9	12,113	50,225	4.1	394	3,183	8.1
	30	25-Jul	7	52	7.4	41,722	178,042	4.3	1,713	11,001	6.4	241,119	696,137	2.9	5,108	34,593	6.8
	31	1-Aug	0	0	0.0	45,189	221,308	4.9	1,238	7,401	6.0	95,640	295,840	3.1	2,993	20,619	6.9
	32	8-Aug	6	58	9.7	6,184	28,888	4.7	592	3,719	6.3	246,192	798,678	3.2	1,713	11,422	6.7
	33	15-Aug	1	14	14.0	2,836	12,920	4.6	268	1,735	6.5	108,009	341,739	3.2	392	2,866	7.3
	34	22-Aug	0	0	0.0	145	643	4.4	26	162	6.2	5,739	18,525	3.2	61	413	6.8
Total			14	124	8.9	109,399	500,144	4.6	4,186	26,140	6.2	711,099	2,208,006	3.1	11,049	75,767	6.9
Shuyak (251-60, 70, 81)			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

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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.
Perenosa Bay	25	20-Jun	0	0	0.0	946	3,360	3.6	15	84	5.6	99	303	3.1	139	927	6.7
(251-82, 83, 84, 85)	26	27-Jun	1	6	6.0	294	733	2.5	81	299	3.7	35	70	2.0	586	2,634	4.5
	31	1-Aug	0	0	0.0	32	144	4.5	23	139	6.0	3,197	9,593	3.0	25	151	6.0
	32	8-Aug	0	0	0.0	375	1,781	4.7	261	2,042	7.8	53,479	168,419	3.1	598	4,814	8.1
	33	15-Aug	0	0	0.0	153	731	4.8	307	2,547	8.3	12,522	38,451	3.1	67	602	9.0
	Total		1	6	6.0	1,800	6,749	3.7	687	5,111	7.4	69,332	216,836	3.1	1,415	9,128	6.5
N.E. Afognak	29	18-Jul	0	0	0.0	196	978	5.0	85	510	6.0	2,782	8,903	3.2	95	659	6.9
(251-90, 252-10 & 20)	30	25-Jul	0	0	0.0	123	491	4.0	44	177	4.0	4,799	9,598	2.0	108	406	3.8
	31	1-Aug	0	0	0.0	216	930	4.3	119	680	5.7	9,905	32,696	3.3	223	1,335	6.0
	32	8-Aug	0	0	0.0	416	1,731	4.2	211	1,376	6.5	47,653	174,048	3.7	518	3,270	6.3
	33	15-Aug	3	12	4.0	502	2,269	4.5	365	2,202	6.0	53,886	180,986	3.4	622	4,001	6.4
	34	22-Aug	0	0	0.0	2,572	12,859	5.0	140	851	6.1	23,610	81,139	3.4	127	703	5.5
	35	29-Aug	0	0	0.0	15	66	4.4	29	175	6.0	2,578	7,735	3.0	19	115	6.1
	Total		3	12	4.0	4,040	19,324	4.8	993	5,971	6.0	145,213	495,105	3.4	1,712	10,489	6.1
Izhut (252-30)	24	13-Jun	2	16	8.0	309	1,465	4.7	5	32	6.4	186	490	3	539	3,135	5.8
	25	20-Jun	2	8	4.0	241	1,188	4.9	98	743	7.6	248	749	3	544	3,783	7.0
	26	27-Jun	21	96	4.6	597	2,945	4.9	393	2,927	7.4	467	1,376	3	4,034	30,648	7.6
	31	1-Aug	0	0	0.0	355	1,874	5.3	97	663	6.8	10,160	27,816	3	70	449	6.4
	35	29-Aug	0	0	0.0	319	1,524	4.8	7,279	44,269	6.1	294,275	955,237	3	2,222	8,020	3.6
	36	5-Sep	0	0	0.0	47	191	4.1	1,093	6,847	6.3	52,230	161,293	3	10	70	7.0
	37	12-Sep	0	0	0.0	6	18	3.0	1,955	12,055	6.2	8	17	2	3	13	4.3
	38	19-Sep	0	0	0.0	1	5	5.0	1,372	11,425	8.3	0	0	0	1	5	5.0
	Total		25	120	4.8	1,875	9,210	4.9	12,292	78,961	6.4	357,574	1,146,978	3.2	7,423	46,123	6.2

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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.
Kitoi Bay (252-32)	23	6-Jun	0	0	0.0	4	13	3.3	0	0	0.0	0	0	0.0	7	41	5.9
	24	13-Jun	0	0	0.0	65	289	4.4	0	0	0.0	26	79	3.0	863	6,413	7.4
	25	20-Jun	1	11	11.0	124	616	5.0	29	166	5.7	23	94	4.1	2,839	20,678	7.3
	31	1-Aug	0	0	0.0	764	3,039	4.0	0	0	0.0	138,710	445,811	3.2	115	623	5.4
	32	8-Aug	0	0	0.0	7,528	24,184	3.2	89	471	5.3	800,111	2,601,760	3.3	1,311	5,921	4.5
	33	15-Aug	0	0	0.0	906	3,387	3.7	488	2,144	4.4	745,892	2,337,388	3.1	210	994	4.7
	34	22-Aug	0	0	0.0	31	124	4.0	1,046	3,647	3.5	848,700	2,524,115	3.0	15	58	3.9
	35	29-Aug	0	0	0.0	44	176	4.0	2,542	12,437	4.9	528,095	1,714,477	3.2	6	29	4.8
	36	5-Sep	0	0	0.0	0	0	0.0	68	422	6.2	38,033	114,900	3.0	1	6	6.0
	Total		1	11	11.0	9,466	31,828	3.4	4,262	19,287	4.5	3,099,590	9,738,624	3.1	5,367	34,763	6.5
Duck Bay (252-31 & 35)	23	6-Jun	56	539	9.6	4,863	21,968	4.5	5	20	4.0	841	2,517	3.0	643	4,960	7.7
	24	13-Jun	152	942	6.2	5,789	23,586	4.1	50	256	5.1	2,984	8,646	2.9	1,516	8,860	5.8
	25	20-Jun	163	684	4.2	4,141	16,370	4.0	2,241	11,700	5.2	4,050	11,606	2.9	4,757	29,896	6.3
	26	27-Jun	186	869	4.7	5,540	21,929	4.0	5,851	34,014	5.8	5,396	15,123	2.8	19,148	112,324	5.9
	28	11-Jul	14	105	7.5	1,373	6,641	4.8	900	6,411	7.1	5,795	17,441	3.0	1,409	10,275	7.3
	29	18-Jul	39	297	7.6	8,146	37,827	4.6	2,860	17,433	6.1	38,142	134,884	3.5	5,521	38,103	6.9
	30	25-Jul	43	459	10.7	8,295	41,325	5.0	2,694	15,776	5.9	60,353	208,703	3.5	2,472	15,443	6.2
	31	1-Aug	8	126	15.8	9,997	48,849	4.9	4,251	20,638	4.9	158,354	546,354	3.5	2,524	15,678	6.2
	35	29-Aug	12	109	9.0	2,514	11,455	4.6	12,040	78,688	6.5	947,778	3,027,659	3.2	3,762	13,767	3.7
	36	5-Sep	0	0	0.0	334	1,609	4.8	1,861	11,076	6.0	275,066	896,954	3.3	65	408	6.3
	Total		673	4,130	6.1	50,992	231,559	4.5	32,753	196,012	6.0	1,498,759	4,869,887	3.2	41,817	249,714	6.0

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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	6-Jun	0	0	0.0	525	2,001	3.8	0	0	0.0	3	11	3.7	10	71	7.1
	24	13-Jun	1	5	5.0	849	3,751	4.4	2	10	4.8	194	544	2.8	53	346	6.5
	25	20-Jun	2	6	3.0	2,426	9,267	3.8	94	578	6.2	115	304	2.6	179	1,217	6.8
	26	27-Jun	3	13	4.2	888	3,628	4.1	46	242	5.3	98	279	2.8	42	251	6.0
	27	4-Jul	6	42	7.0	911	3,906	4.3	476	2,786	5.9	1,463	4,435	3.0	2,144	12,921	6.0
	28	11-Jul	4	29	7.3	1,117	4,824	4.3	567	3,207	5.7	3,930	12,378	3.1	1,633	12,852	7.9
	31	1-Aug	0	0	0.0	227	1,184	5.2	40	294	7.4	1,204	4,424	3.7	37	287	7.8
	32	8-Aug	4	47	11.8	2,172	10,163	4.7	469	2,813	6.0	173,028	588,504	3.4	710	4,505	6.3
	33	15-Aug	1	10	10.0	1,003	4,575	4.6	682	4,517	6.6	125,155	434,678	3.5	211	1,392	6.6
	34	22-Aug	0	0	0.0	1,711	8,093	4.7	1,675	11,004	6.6	194,465	658,453	3.4	472	3,410	7.2
	35	29-Aug	0	0	0.0	658	3,063	4.7	2,482	16,562	6.7	307,079	945,920	3.1	237	1,511	6.4
	36	5-Sep	0	0	0.0	104	468	4.5	1,125	5,715	5.1	112,924	338,770	3.0	35	205	5.9
	Total			21	152	7.2	12,591	54,923	4.4	7,658	47,728	6.2	919,658	2,988,700	3.2	5,763	38,968
Central, Terror Bay,	23	6-Jun	224	1,701	7.6	9,526	44,996	4.7	2	13	6.5	28	104	3.7	929	6,623	7.1
Inner Uganik, Spiridon,	24	13-Jun	121	1,129	9.3	17,750	77,714	4.4	4	21	5.3	196	681	3.5	1,541	9,601	6.2
Zachar, & Uyak combined	25	20-Jun	262	2,426	9.3	25,018	116,589	4.7	238	1,322	5.6	1,115	3,644	3.3	2,383	16,930	7.1
(253-11, 12, 13, 14, 31	26	27-Jun	329	2,998	9.1	13,163	61,107	4.6	2,105	12,322	5.9	1,714	7,172	4.2	8,005	57,409	7.2
32, 33, 34, 35, 254-10, 20,	27	4-Jul	559	3,818	6.8	21,824	105,763	4.8	5,578	33,594	6.0	27,179	92,209	3.4	21,129	157,551	7.5
21, 30, 31, 40, 41, 50)	28	11-Jul	222	1,929	8.7	26,623	131,147	4.9	8,694	54,037	6.2	126,997	465,552	3.7	31,487	250,275	7.9
	29	18-Jul	215	2,593	12.1	107,673	537,522	5.0	13,763	85,021	5.7	515,475	1,728,870	3.4	54,854	406,050	7.4
	30	25-Jul	170	2,060	12.1	214,557	1,062,972	5.0	10,788	68,391	6.3	929,360	2,941,048	3.2	62,928	436,860	6.9
	31	1-Aug	62	799	12.9	111,012	608,861	5.5	5,462	34,454	6.3	229,520	797,395	3.5	22,014	158,364	7.2
	32	8-Aug	93	1,198	12.9	95,213	475,666	5.0	14,866	91,113	6.1	1,385,000	4,703,956	3.4	44,564	302,338	6.8
	33	15-Aug	127	1,497	11.8	92,272	461,576	5.0	13,338	83,765	6.3	2,305,008	7,768,682	3.4	31,237	219,914	7.0
	34	22-Aug	66	816	12.4	59,268	299,082	5.0	11,588	74,074	6.4	1,580,708	5,223,006	3.3	18,020	124,909	6.9
	35	29-Aug	58	627	10.8	38,792	200,632	5.2	10,346	67,455	6.5	943,339	3,150,130	3.3	7,861	53,719	6.8
	36	5-Sep	14	128	9.1	38,163	203,874	5.3	12,542	85,268	6.8	240,158	831,336	3.5	4,266	28,235	6.6
	37	12-Sep	24	214	8.9	90,684	463,035	5.1	20,352	143,024	7.0	61,465	200,579	3.3	2,056	13,756	6.7
	38	19-Sep	5	60	12.0	34,400	175,326	5.1	9,219	63,450	6.9	2,815	10,163	3.6	1,046	6,674	6.4
Total			2,551	23,993	9.4	995,938	5,025,862	5.0	138,885	897,322	6.5	8,350,077	27,924,528	3.3	314,320	2,249,208	7.2

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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.
North Cape, Anton	23	6-Jun	30	230	7.7	5,194	22,186	4.3	1	5	5.0	212	543	2.6	906	5,251	5.8
Larsen, Sheratin,	24	13-Jun	35	382	10.9	8,621	37,025	4.3	41	262	6.4	2,906	7,868	2.7	2,015	12,608	6.3
& Kizhuyak combined	25	20-Jun	31	240	7.7	4,624	21,866	4.7	1,689	10,271	6.1	1,787	6,074	3.4	1,823	11,753	6.4
(259-30, 31, 32, 33, 34, 35,	26	27-Jun	205	1,354	6.6	9,196	44,406	4.8	8,527	52,480	6.2	8,995	28,158	3.1	24,658	174,834	7.1
36, 37, 38, 39)	27	4-Jul	181	1,104	6.1	8,825	46,793	5.3	9,557	59,582	6.2	37,469	120,360	3.2	19,782	128,696	6.5
	28	11-Jul	53	478	9.0	9,851	42,451	4.3	4,757	28,985	6.1	57,621	174,700	3.0	13,303	84,959	6.4
	29	18-Jul	44	437	9.9	15,022	71,089	4.7	2,889	18,292	6.3	85,279	276,475	3.2	11,839	83,727	7.1
	30	25-Jul	9	100	11.1	8,887	43,607	4.9	1,736	10,728	6.2	47,653	163,457	3.4	7,102	53,919	7.6
	31	1-Aug	5	67	13.4	11,514	54,559	4.7	1,180	7,386	6.3	34,317	128,297	3.7	4,955	37,354	7.5
	32	8-Aug	16	181	11.3	14,022	66,970	4.8	3,138	20,418	6.5	452,275	1,496,322	3.3	13,464	97,978	7.3
	33	15-Aug	2	27	13.5	5,928	27,810	4.7	2,243	13,461	6.0	185,050	623,852	3.4	8,503	59,045	6.9
	34	22-Aug	0	0	0.0	2,741	13,094	4.8	1,733	10,329	6.0	110,199	344,326	3.1	4,315	29,309	6.8
	35	29-Aug	0	0	0.0	629	3,061	4.9	696	4,691	6.7	30,178	105,427	3.5	1,761	12,370	7.0
	36	5-Sep	0	0	0.0	68	349	5.1	82	563	6.9	1,564	4,902	3.1	229	1,614	7.0
	Total		611	4,600	7.5	105,122	495,266	4.7	38,269	237,453	6.2	1,055,505	3,480,761	3.3	114,655	793,417	6.9
Inner Karluk (255-10)	34	22-Aug	0	0	0.0	6,881	35,567	5.2	103	664	6.4	19,137	71,203	3.7	106	809	7.6
	35	29-Aug	0	0	0.0	1,283	6,370	5.0	20	107	5.4	3,263	10,073	3.1	16	110	6.9
	36	5-Sep	1	8	8.0	23,766	123,798	5.2	2,406	19,259	8.0	13,531	47,535	3.5	451	3,754	8.3
	37	12-Sep	0	0	0.0	50,272	263,277	5.2	5,839	48,397	8.3	12,743	40,025	3.1	302	2,226	7.4
	38	19-Sep	0	0	0.0	6,660	33,314	5.0	448	3,136	7.0	0	0	0.0	48	313	6.5
	39	26-Sep	0	0	0.0	73,313	321,960	4.4	3,564	24,700	6.9	14	41	2.9	123	746	6.1
	40	3-Oct	0	0	0.0	14,377	63,927	4.4	1,645	12,933	7.9	0	0	0.0	19	125	6.6
	Total		1	8	8.0	176,552	848,213	4.8	14,025	109,196	7.8	48,688	168,877	3.5	1,065	8,083	7.6

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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.
Outer Karluk (255-20)	25	20-Jun	27	196	7.3	17,806	67,181	3.8	24	148	6.2	1,116	3,647	3.3	565	3,705	6.6
	26	27-Jun	81	503	6.2	8,231	35,808	4.4	335	2,159	6.4	814	2,508	3.1	715	5,225	7.3
	27	4-Jul	43	296	6.9	9,146	37,222	4.1	346	2,177	6.3	9,810	27,753	2.8	1,016	7,566	7.4
	28	11-Jul	77	873	11.3	9,060	41,422	4.6	1,524	10,470	6.9	32,472	100,567	3.1	969	7,418	7.7
	29	18-Jul	28	305	10.9	4,704	25,012	5.3	425	2,593	6.1	17,677	50,952	2.9	526	3,356	6.4
	30	25-Jul	3	32	10.7	3,626	14,328	4.0	217	1,373	6.3	17,802	57,103	3.2	598	3,534	5.9
	31	1-Aug	8	97	12.1	10,104	48,789	4.8	512	3,080	6.0	27,243	86,151	3.2	4,267	13,412	3.1
	32	8-Aug	15	104	6.9	12,518	67,510	5.4	520	3,611	6.9	67,788	240,750	3.6	669	5,018	7.5
	33	15-Aug	14	151	10.8	15,994	80,509	5.0	641	3,878	6.0	169,017	599,416	3.5	791	5,836	7.4
	34	22-Aug	3	23	7.7	21,363	107,088	5.0	772	4,908	6.4	147,418	520,734	3.5	675	4,564	6.8
	35	29-Aug	3	18	6.0	570	2,563	4.5	15	71	4.7	1,437	4,593	3.2	6	37	6.2
	36	5-Sep	4	32	8.0	38,772	187,679	4.8	2,543	16,437	6.5	45,143	157,283	3.5	468	3,046	6.5
	37	12-Sep	0	0	0.0	46,688	231,828	5.0	6,711	47,490	7.1	12,919	44,245	3.4	540	3,822	7.1
	38	19-Sep	0	0	0.0	8,361	35,852	4.3	340	2,007	5.9	65	195	3.0	46	287	6.2
	Total		306	2,630	8.6	206,943	982,791	4.7	14,925	100,402	6.7	550,721	1,895,897	3.4	11,851	66,826	5.6
Halibut Bay (256-25 & 30)	26	27-Jun	9	51	5.7	3,497	14,187	4.1	36	270	7.5	191	607	3.2	130	923	7.1
	27	4-Jul	35	362	10.3	5,260	24,183	4.6	297	1,791	6.0	1,056	3,114	2.9	338	2,032	6.0
	28	11-Jul	216	1,842	8.5	22,825	107,792	4.7	5,932	34,865	5.9	207,095	684,125	3.3	3,022	19,130	6.3
	29	18-Jul	1	10	10.0	26,949	117,203	4.3	1,600	9,705	6.1	60,409	177,379	2.9	1,303	8,015	6.2
	30	25-Jul	2	17	8.5	9,634	42,772	4.4	480	2,927	6.1	34,580	100,185	2.9	526	3,201	6.1
	31	1-Aug	4	45	11.3	2,821	13,354	4.7	145	896	6.2	6,902	19,832	2.9	128	912	7.1
	32	8-Aug	1	6	6.0	1,327	9,053	6.8	219	1,537	7.0	30,045	84,178	2.8	52	413	7.9
	33	15-Aug	3	30	10.0	5,171	29,488	5.7	590	3,631	6.2	166,045	555,957	3.3	288	2,016	7.0
	34	22-Aug	33	251	7.6	5,246	26,280	5.0	1,119	6,899	6.2	133,154	462,781	3.5	270	1,862	6.9
	35	29-Aug	0	0	0.0	1,308	7,878	6.0	231	1,747	7.6	24,209	96,900	4.0	79	621	7.9
	36	5-Sep	0	0	0.0	800	5,470	6.8	206	1,503	7.3	7,055	22,002	3.1	52	392	7.5
	37	12-Sep	0	0	0.0	302	1,509	5.0	74	592	8.0	0	0	0.0	17	100	5.9
	Total		304	2,614	8.6	85,140	399,169	4.7	10,929	66,363	6.1	670,741	2,207,060	3.3	6,205	39,617	6.4

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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.
Inner & Outer	25	20-Jun	194	1,213	6.3	132,346	573,205	4.3	182	1,008	5.5	1,854	5,502	3.0	2,405	16,872	7.0
Ayakulik (256-10, 15, 20)	26	27-Jun	51	346	6.8	49,881	226,205	4.5	489	3,140	6.4	3,441	10,278	3.0	1,140	7,899	6.9
	27	4-Jul	2	17	8.6	12,186	59,782	4.9	119	726	6.1	649	2,186	3.4	472	3,624	7.7
	28	11-Jul	57	391	6.9	47,071	219,360	4.7	3,396	21,243	6.3	64,320	209,257	3.3	1,972	16,271	8.3
	29	18-Jul	52	362	7.0	188,731	901,266	4.8	7,492	30,928	4.1	150,531	471,577	3.1	5,818	39,450	6.8
	30	25-Jul	47	579	12.3	23,361	117,596	5.0	820	5,552	6.8	44,261	146,990	3.3	1,166	8,703	7.5
	31	1-Aug	75	352	4.7	62,998	331,460	5.3	2,059	13,755	6.7	255,204	781,668	3.1	3,713	28,120	7.6
	32	8-Aug	0	0	0.0	118	590	5.0	0	0	0.0	551	2,271	4.1	3	15	5.0
	34	22-Aug	1	6	6.0	5,529	31,860	5.8	510	3,414	6.7	144,631	476,435	3.3	703	4,934	7.0
	35	29-Aug	6	71	11.8	1,920	12,193	6.4	215	1,514	7.0	66,871	309,464	4.6	339	2,114	6.2
	36	5-Sep	0	0	0.0	1,852	9,265	5.0	141	933	6.6	31,105	106,773	3.4	91	720	7.9
Total			485	3,337	6.9	525,993	2,482,782	4.7	15,423	82,213	5.3	763,418	2,522,401	3.3	17,822	128,722	7.2
Sturgeon (256-40)	31	1-Aug	0	0	0.0	2,421	13,583	5.6	61	379	6.2	6,902	20,116	2.9	73	514	7.0
	33	15-Aug	1	16	16.0	282	1,962	7.0	36	256	7.1	13,010	36,448	2.8	17	142	8.4
	34	22-Aug	0	0	0.0	4,641	24,917	5.4	146	856	5.9	46,154	171,482	3.7	173	1,163	6.7
	36	5-Sep	0	0	0.0	72	371	5.2	21	148	7.0	288	1,038	3.6	6	39	6.5
	37	12-Sep	0	0	0.0	123	433	3.5	108	542	5.0	73	293	4.0	0	0	0.0
Total			1	16	16.0	7,539	41,266	5.5	372	2,181	5.9	66,427	229,377	3.5	269	1,858	6.9
Cape Alitak (257-10 & 20)	26	27-Jun	35	323	9.2	13,902	63,893	4.6	210	1,372	6.5	1,904	5,932	3.1	768	5,784	7.5
	27	4-Jul	29	245	8.4	14,821	63,349	4.3	506	3,071	6.1	6,505	20,214	3.1	1,120	7,700	6.9
	28	11-Jul	890	9,284	10.4	25,967	107,773	4.2	3,660	23,714	6.5	239,082	732,508	3.1	3,580	27,835	7.8
	29	18-Jul	307	3,779	12.3	64,946	293,421	4.5	2,807	14,286	5.1	264,848	832,427	3.1	3,771	29,231	7.8
	30	25-Jul	48	600	12.5	6,094	30,204	5.0	1,555	9,579	6.2	55,374	194,237	3.5	4,412	26,763	6.1
	31	1-Aug	76	967	12.7	18,487	89,009	4.8	1,824	10,545	5.8	128,914	434,769	3.4	1,381	9,385	6.8
	32	8-Aug	56	782	14.0	7,328	33,992	4.6	1,264	7,606	6.0	97,659	418,764	4.3	2,101	13,723	6.5
	33	15-Aug	0	0	0.0	248	1,121	4.5	9	62	6.9	22,831	79,912	3.5	93	516	5.5
Total			1,441	15,980	11.1	151,793	682,762	4.5	11,835	70,235	5.9	817,117	2,718,763	3.3	17,226	120,937	7.0

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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.
Moser/Olga Bay &	26	27-Jun	1	20	20.0	7,728	37,510	4.9	15	80	5.3	85	280	3.3	407	2,933	7.2
Dog Salmon Flats	27	4-Jul	4	56	14.0	6,770	33,049	4.9	98	521	5.3	416	1,333	3.2	612	4,696	7.7
(257-30, 31, 40, 41, 42, 43)	28	11-Jul	2	23	11.5	11,280	54,112	4.8	858	5,146	6.0	14,575	52,501	3.6	1,784	13,229	7.4
	29	18-Jul	1	13	13.0	23,961	117,257	4.9	516	3,158	6.1	7,240	26,509	3.7	1,122	8,675	7.7
	30	25-Jul	1	14	14.0	27,686	136,928	4.9	427	2,643	6.2	12,254	43,312	3.5	1,465	11,246	7.7
	31	1-Aug	1	7	7.0	29,422	145,489	4.9	522	3,221	6.2	12,334	43,666	3.5	1,219	9,194	7.5
	32	8-Aug	0	0	0.0	19,211	94,990	4.9	599	3,731	6.2	20,181	70,135	3.5	1,414	10,905	7.7
	33	15-Aug	0	0	0.0	10,429	52,545	5.0	241	1,491	6.2	9,412	33,806	3.6	679	5,131	7.6
	Total		10	133	13.3	136,487	671,880	4.9	3,276	19,991	6.1	76,497	271,542	3.5	8,702	66,009	7.6
Humpy/Deadman	28	11-Jul	7	140	20.0	1,053	4,212	4.0	79	639	8.1	28,071	84,215	3.0	132	1,070	8.1
(257-50, 60, 70)	29	18-Jul	42	686	16.3	20,985	101,625	4.8	225	1,528	6.8	163,208	538,661	3.3	1,653	13,130	7.9
	30	25-Jul	34	446	13.1	19,678	90,176	4.6	989	6,102	6.2	336,945	1,045,428	3.1	2,546	19,937	7.8
	31	1-Aug	9	157	17.4	8,684	40,329	4.6	348	1,957	5.6	233,939	748,052	3.2	1,832	11,569	6.3
	32	8-Aug	6	102	17.0	5,185	21,614	4.2	272	1,752	6.4	361,666	1,132,711	3.1	4,770	37,397	7.8
	33	15-Aug	3	32	10.7	7,292	31,768	4.4	223	1,403	6.3	902,702	3,110,506	3.4	3,903	29,950	7.7
	34	22-Aug	2	13	6.5	6,204	31,129	5.0	720	4,503	6.3	1,190,083	4,380,858	3.7	5,771	40,103	6.9
	35	29-Aug	0	0	0.0	5,037	24,321	4.8	1,174	7,200	6.1	1,377,461	4,692,216	3.4	5,126	36,847	7.2
	36	5-Sep	0	0	0.0	2,548	11,228	4.4	706	4,266	6.0	324,883	1,017,769	3.1	1,021	8,137	8.0
	Total		103	1,576	15.3	76,666	356,402	4.6	4,736	29,350	6.2	4,918,958	16,750,416	3.4	26,754	198,140	7.4

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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	25	20-Jun	0	0	0.0	601	2,673	4.4	7	49	7.0	116	348	3.0	106	662	6.2
(258-70, 80, 85, 90)	26	27-Jun	0	0	0.0	1,250	6,211	5.0	440	2,541	5.8	1,362	4,259	3.1	669	4,940	7.4
	28	11-Jul	2	6	2.8	45	180	4.0	45	276	6.1	395	1,186	3.0	65	389	6.0
	32	8-Aug	0	0	0.0	426	1,996	4.7	15	102	6.8	61,155	176,699	2.9	124	1,083	8.7
	33	15-Aug	0	0	0.0	264	1,470	5.6	112	662	5.9	445,979	1,440,470	3.2	376	2,874	7.6
	34	22-Aug	0	0	0.0	20	107	5.4	3	22	7.3	384,643	1,260,883	3.3	12	69	5.8
	35	29-Aug	0	0	0.0	38	189	5.0	7	40	5.7	262,583	855,382	3.3	7	55	7.9
	36	5-Sep	0	0	0.0	0	0	0.0	0	0	0.0	28,571	100,000	3.5	0	0	0.0
	Total		2	6	3.0	2,644	12,826	4.9	629	3,692	5.9	1,184,804	3,839,227	3.2	1,359	10,072	7.4
Two-Headed	25	20-Jun	39	218	5.6	629	2,397	3.8	14	85	6.1	156	435	2.8	73	516	7.1
(258-54, 55, 60)	26	27-Jun	19	69	3.6	2,407	10,360	4.3	539	2,576	4.8	827	3,376	4.1	348	1,563	4.5
	28	11-Jul	11	77	7.0	1,012	4,755	4.7	908	4,971	5.5	6,785	20,929	3.1	631	4,535	7.2
	30	25-Jul	1	17	17.0	3,867	18,438	4.8	4,417	14,166	3.2	22,235	63,592	2.9	498	4,265	8.6
	31	1-Aug	8	58	7.3	2,314	12,352	5.3	397	2,803	7.1	29,917	70,969	2.4	611	5,005	8.2
	32	8-Aug	6	49	8.2	2,494	13,138	5.3	702	4,802	6.8	100,378	284,053	2.8	1,890	15,270	8.1
	33	15-Aug	0	0	0.0	261	1,502	5.8	51	300	5.9	17,637	60,044	3.4	266	1,821	6.8
	34	22-Aug	0	0	0.0	58	348	6.0	23	134	5.8	6,266	21,363	3.4	135	1,416	10.5
	35	29-Aug	0	0	0.0	0	0	0.0	0	0	0.0	386	1,589	4.1	0	0	0.0
	Total		84	488	5.8	13,042	63,290	4.9	7,051	29,837	4.2	184,587	526,350	2.9	4,452	34,391	7.7
Sitkalidak	25	20-Jun	39	277	7.1	7,012	31,316	4.5	689	3,455	5.0	1,553	4,635	3.0	389	2,289	5.9
(258-10, 20, 30, 40, 51, 52, 53)	26	27-Jun	209	1,050	5.0	7,263	31,656	4.4	5,028	24,295	4.8	3,882	12,210	3.1	2,335	15,531	6.7
	28	11-Jul	56	259	4.6	3,374	13,908	4.1	3,361	16,490	4.9	23,180	73,749	3.2	5,128	26,993	5.3
	29	18-Jul	0	0	0.0	273	1,497	5.5	208	961	4.6	1,802	8,935	5.0	780	5,496	7.0
	30	25-Jul	136	708	5.2	2,415	12,082	5.0	656	4,006	6.1	32,648	100,386	3.1	3,708	27,041	7.3
	31	1-Aug	51	943	18.5	4,649	24,590	5.3	1,043	6,763	6.5	91,544	275,699	3.0	6,934	50,342	7.3
	32	8-Aug	80	1,140	14.3	7,836	42,033	5.4	2,533	15,923	6.3	488,686	1,617,025	3.3	15,018	103,233	6.9
	33	15-Aug	8	131	16.4	8,592	40,702	4.7	1,587	9,800	6.2	865,090	3,106,043	3.6	11,166	76,147	6.8
	34	22-Aug	10	114	11.4	4,686	21,227	4.5	2,530	15,728	6.2	1,087,850	3,717,958	3.4	13,995	95,414	6.8
	35	29-Aug	0	0	0.0	4,222	20,897	4.9	4,170	27,735	6.7	1,434,278	4,785,793	3.3	17,048	131,665	7.7
	36	5-Sep	0	0	0.0	871	4,357	5.0	2,385	14,998	6.3	434,305	1,579,333	3.6	5,742	42,100	7.3
	Total		589	4,622	7.8	51,193	244,265	4.8	24,190	140,154	5.8	4,464,818	15,281,766	3.4	82,243	576,251	7.0

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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.
Inner & Outer Ugak (259-40, 41, 42, 43, 44, 45, 46)	25	20-Jun	3	9	3.0	658	3,290	5.0	15	77	5.1	54	215	4.0	8	52	6.5
	26	27-Jun	1	9	9.0	883	4,089	4.6	310	1,898	6.1	175	533	3.0	113	720	6.4
	27	4-Jul	2	18	9.0	265	1,095	4.1	56	280	5.0	4	14	3.5	10	70	7.0
	28	11-Jul	1	4	4.0	28	134	4.8	19	120	6.3	164	492	3.0	15	91	6.1
	29	18-Jul	0	0	0.0	1,190	6,565	5.5	27	158	5.9	5,720	25,788	4.5	555	4,245	7.6
	30	25-Jul	0	0	0.0	47	238	5.1	18	125	6.9	1,558	4,752	3.1	4,839	36,285	7.5
	31	1-Aug	11	75	6.8	1,494	6,901	4.6	306	2,408	7.9	17,376	54,935	3.2	11,763	105,488	9.0
	32	8-Aug	25	163	6.5	367	1,489	4.1	513	2,299	4.5	36,407	105,108	2.9	1,476	9,912	6.7
	33	15-Aug	1	2	2.0	659	3,242	4.9	529	3,020	5.7	31,873	102,819	3.2	1,531	8,975	5.9
	34	22-Aug	1	16	15.5	308	1,280	4.2	94	537	5.7	27,515	92,658	3.4	2,008	17,113	8.5
	35	29-Aug	0	0	0.0	8	33	4.1	2	20	10.0	4,479	13,810	3.1	3,107	25,168	8.1
	36	5-Sep	0	0	0.0	0	0	0.0	0	0	0.0	1,334	4,673	3.5	2,551	20,416	8.0
	Total		45	296	6.6	5,907	28,356	4.8	1,889	10,942	5.8	126,659	405,797	3.2	27,976	228,535	8.2
Outer Chiniak (259-21, 25)	28	11-Jul	19	104	5.5	616	2,672	4.3	341	2,123	6.2	3,502	10,839	3.1	712	4,799	6.7
	29	18-Jul	170	830	4.9	48	192	4.0	61	306	5.0	3,767	13,999	3.7	1,879	13,158	7.0
	30	25-Jul	16	131	8.2	1,144	5,939	5.2	281	1,744	6.2	146,428	471,498	3.2	385	2,806	7.3
	31	1-Aug	4	34	8.5	147	730	5.0	87	518	6.0	73,565	246,680	3.4	89	613	6.9
	32	8-Aug	0	0	0.0	531	2,602	4.9	159	1,019	6.4	344,079	1,136,746	3.3	491	3,629	7.4
	33	15-Aug	1	12	12.0	436	1,820	4.2	304	1,480	4.9	132,970	448,769	3.4	835	4,570	5.5
	34	22-Aug	0	0	0.0	104	483	4.6	185	1,141	6.2	63,607	220,757	3.5	191	1,283	6.7
	35	29-Aug	0	0	0.0	2	12	5.8	42	263	6.3	24,882	93,805	3.8	12	79	6.6
	Total		210	1,111	5.3	3,028	14,450	4.8	1,460	8,594	5.9	792,800	2,643,093	3.3	4,594	30,937	6.7

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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.
Inner Chiniak (259-23, 24, 27)	29	18-Jul	0	0	0.0	6	24	4.0	1	9	9.0	51	203	4.0	10	72	7.2
	30	25-Jul	8	108	13.5	31	150	4.8	148	1,070	7.2	30,541	99,228	3.2	583	4,509	7.7
	31	1-Aug	6	150	25.0	66	340	5.2	57	403	7.1	49,402	203,107	4.1	814	6,642	8.2
	32	8-Aug	0	0	0.0	178	876	4.9	192	1,320	6.9	89,408	306,382	3.4	692	5,136	7.4
	33	15-Aug	0	0	0.0	103	485	4.7	94	604	6.4	39,195	130,988	3.3	268	1,957	7.3
	34	22-Aug	0	0	0.0	66	290	4.4	125	725	5.8	35,833	124,951	3.5	347	2,503	7.2
	35	29-Aug	0	0	0.0	4	14	3.5	80	482	6.0	6,006	18,020	3.0	49	352	7.2
	36	5-Sep	0	0	0.0	0	0	0.0	15	78	5.2	0	0	0.0	19	136	7.2
	Total		14	258	18.4	454	2,179	4.8	712	4,691	6.6	250,436	882,879	3.5	2,782	21,307	7.7
Buskin River (259-22, 26)	32	8-Aug	0	0	0.0	2	12	6.0	13	90	6.9	6,102	18,307	3.0	203	1,630	8.0
	Total		0	0	0.0	2	12	6.0	13	90	6.9	6,102	18,307	3.0	203	1,630	8.0
Monashka/Mill Bay (259-10)	32	8-Aug	0	0	0.0	22	86	3.9	9	47	5.2	1,481	5,585	3.8	6	35	5.8
	33	15-Aug	0	0	0.0	3	13	4.3	3	15	5.0	631	1,894	3.0	0	0	0.0
	35	29-Aug	0	0	0.0	8	41	5.1	10	80	8.0	1,303	5,343	4.1	3	29	9.7
	Total		0	0	0.0	33	140	4.2	22	142	6.5	3,415	12,822	3.8	9	64	7.1
Big River (262-10,15)	26	27-Jun	0	0	0.0	2	11	5.5	0	0	0.0	1	4	4.0	0	0	0.0
	28	11-Jul	0	0	0.0	5	22	4.4	1	3	3.0	21	63	3.0	1	7	7.0
	Total		0	0	0.0	7	33	4.7	1	3	3.0	22	67	3.0	1	7	7.0
Hallo Bay (262-20)			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

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Section (Stat Area)	Statistical	Week	Chinook			Sockeye			Coho			Pink			Chum		
	Week	Ending	No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.
Kukak Bay (262-25, 27, 30)	28	11-Jul	0	0	0.0	270	1,219	4.5	179	1,131	6.3	218	875	4.0	82	734	9.0
	Total		0	0	0.0	270	1,219	4.5	179	1,131	6.3	218	875	4.0	82	734	9.0
Dakavak (262-35, 40, 45, 50, 55)	28	11-Jul	44	566	12.9	948	4,383	4.6	278	1,915	6.9	2,284	7,290	3.2	333	2,582	7.8
	29	18-Jul	31	273	8.8	22,781	114,155	5.0	3,493	24,692	7.1	18,822	59,238	3.1	3,682	27,497	7.5
	30	25-Jul	70	806	11.5	14,353	86,064	6.0	1,345	8,660	6.4	12,319	44,421	3.6	1,908	15,268	8.0
	31	1-Aug	11	189	17.2	25,120	141,059	5.6	1,879	11,221	6.0	8,847	30,091	3.4	3,421	22,150	6.5
	32	8-Aug	43	499	11.6	121,559	605,764	5.0	5,611	36,627	6.5	145,263	476,632	3.3	6,735	50,350	7.5
	33	15-Aug	87	1,194	13.7	52,063	265,000	5.1	10,871	47,055	4.3	93,035	283,485	3.0	3,941	31,446	8.0
	34	22-Aug	0	0	0.0	1,554	8,588	5.5	237	1,619	6.8	9,546	31,373	3.3	254	1,745	6.9
	35	29-Aug	0	0	0.0	2,701	12,157	4.5	578	2,891	5.0	14,890	47,649	3.2	384	1,921	5.0
	Total		286	3,527	12.3	241,079	1,237,170	5.1	24,292	134,680	5.5	305,006	980,179	3.2	20,658	152,959	7.4
Katmai (262-60)	31	1-Aug	16	323	20.2	17,154	85,773	5.0	1,683	10,103	6.0	7,769	23,310	3.0	1,747	13,987	8.0
	32	8-Aug	1	21	21.0	4,575	22,875	5.0	196	1,179	6.0	10,390	31,171	3.0	402	3,220	8.0
	33	15-Aug	0	0	0.0	1,582	6,647	4.2	92	415	4.5	1,617	4,853	3.0	118	473	4.0
	35	29-Aug	0	0	0.0	2,270	9,098	4.0	582	3,611	6.2	12,502	37,506	3.0	428	2,784	6.5
	Total		17	344	20.2	25,581	124,393	4.9	2,553	15,308	6.0	32,278	96,840	3.0	2,695	20,464	7.6
Alinchak (262-65, 70)	30	25-Jul	0	0	0.0	361	2,168	6.0	30	196	6.5	2,596	8,308	3.2	849	6,797	8.0
	31	1-Aug	0	0	0.0	1,054	4,216	4.0	0	0	0.0	51,189	153,565	3.0	747	5,229	7.0
	32	8-Aug	6	35	5.8	1,203	4,135	3.4	68	407	6.0	29,877	87,748	2.9	131	911	7.0
	Total		6	35	5.8	2,618	10,519	4.0	98	603	6.2	83,662	249,621	3.0	1,727	12,937	7.5
Cape Igvak (262-75, 80, 90, 95)	29	18-Jul	2	18	8.9	4,604	25,116	5.5	1,612	10,245	6.4	58,319	181,655	3.1	3,401	26,148	7.7
	30	25-Jul	0	0	0.0	1,991	9,959	5.0	440	2,643	6.0	11,460	34,383	3.0	1,196	9,575	8.0
	32	8-Aug	5	30	6.0	738	4,721	6.4	357	2,682	7.5	182,910	589,037	3.2	806	5,989	7.4
	33	15-Aug	0	0	0.0	814	4,015	4.9	178	1,087	6.1	76,961	240,629	3.1	433	3,010	7.0
	Total		7	48	6.9	8,147	43,811	5.4	2,587	16,657	6.4	329,650	1,045,704	3.2	5,836	44,722	7.7

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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.
Wide Bay (262-85)	32	8-Aug	0	0	0.0	0	0	0.0	0	0	0.0	36,444	122,437	3.4	86	688	8.0
Total			0	0	0.0	0	0	0.0	0	0	0.0	36,444	122,437	3.4	86	688	8.0
Grand Total			8,087	73,686	9.1	3,097,344	15,030,377	4.9	396,145	2,462,290	6.2	33,024,992	109,501,407	3.3	770,539	5,434,944	7.1

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, 2015.

District	Number of Fish				
	Chinook	Sockeye	Coho	Pink	Chum
Afognak	0	55,782	14,111	392,778	1,629
Northwest Kodiak	0	17,900	0	933,520	93,300
Southwest Kodiak	5,169	956,089	9,419	392,194	1,347
Alitak	81	423,650	3,569	1,742,659	53,207
Eastside Kodiak	0	44,897	3,560	1,378,811	138,163
Northeast Kodiak	0	8,719	7,697	774,569	20,730
Mainland	0	8,800	0	754,600	133,200
Area Total	5,250	1,515,837	38,356	6,369,131	441,576