

**Fishery Management Report No. 23-23**

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**Kodiak Management Area Commercial Salmon  
Fishery Annual Management Report, 2023**

by

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and

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December 2023

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Divisions of Sport Fish and Commercial Fisheries



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

This report provides an overview of the 2023 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 Afognak, Malina Pasagshak, Saltery, early-run Karluk, late-run Karluk, early-run Ayakulik, late-run Ayakulik, Frazer, early-run Upper Station, and late-run Upper Station, but not at the Buskin River system. The Mainland District and Kodiak Archipelago pink salmon *O. gorbuscha* escapement goals were met, as well as the Kodiak Archipelago chum salmon *O. keta* escapement goal. The Chinook salmon *O. tshawytscha* escapement goal was not achieved in Karluk River or the Ayakulik River system, while coho salmon *O. kisutch* escapement goals were achieved in the American, Olds, and Pasagshak systems. Buskin River coho escapement estimates were incomplete at time of publication.

The 2023 KMA commercial salmon fishery began on June 9, with the last reported landing on September 27. A total of 287 permits were fished, consisting of 163 purse seine permits, 122 set gillnet permits, and 2 beach seine permits. The total commercial salmon harvest in the KMA, including cost-recovery harvest but excluding test fishery harvest and commercially caught salmon retained for personal use, was 11,360 Chinook, 2,558,398 sockeye, 265,918 coho, 24,744,333 pink, and 827,907 chum salmon. The exvessel value for salmon harvested by all gear types totaled approximately \$24.3 million, which was below average for the KMA.

Keywords: 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* fisheries and harvest strategies in effect during the 2023 commercial salmon fishing season. A summary is also provided of the 2023 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 includes 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 2023 season (Appendix B), detailed information on specific fisheries (Appendices C–K), commercial salmon harvest by statistical week and management unit (Appendix L), and indexed peak salmon escapements by species and district (Appendix M).

## SALMON RESOURCES

### SALMON-PRODUCING STREAMS

Salmon migration or spawning has been documented in approximately 1,200 streams within the KMA (Giefer and Graziano 2023), but only 493 streams have been documented by Alaska Department of Fish and Game (ADF&G) to support yearly spawning populations of salmon (Table 1). There are Chinook salmon *O. tshawytscha* in 6 streams, sockeye salmon *O. nerka* in 60 streams, coho salmon *O. kisutch* in 254 streams, pink salmon *O. gorbuscha* in approximately

441 streams, and chum salmon *O. keta* in 215 streams. The majority of pink salmon streams in the KMA are located in the Kodiak Archipelago (Afognak, Northwest Kodiak, Southwest Kodiak, Alitak, Eastside Kodiak, and Northeast Kodiak Districts; Appendix A1), with 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.<sup>1</sup> KRAA outstocks (placing juvenile salmon in sites other than the hatchery) juvenile coho and sockeye salmon fry from the Kitoi Bay Hatchery, but the majority of hatchery returns are either harvested in the common property or cost-recovery fisheries, or 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 and coho salmon are also reared at the Pillar Creek Hatchery for outstocking.<sup>2</sup>

The Kodiak Regional Planning Team (KRPT), a group consisting of representatives from 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 (2010–2019) average supplemental production has included an undetermined number of Chinook salmon and an estimated 337,572 sockeye, 103,333 coho, 10,920,336 pink, and 239,581 chum salmon (Table 2).

In 2023, sockeye salmon were outstocked in salt water at Telrod Cove and Ouzinkie Harbor as well as the freshwater systems of Hidden, Crescent, Big Waterfall, Little Waterfall, Spiridon, Ruth, and the Jennifer Lakes to produce harvest opportunities in terminal fisheries near the outlets of these systems. Sockeye salmon were also outstocked in 2023 in Little Kitoi Lake and Bay for broodstock development. Coho salmon were outstocked into Crescent Lake (near the community of Port Lions), Katmai Lake (on Spruce Island near the community of Ouzinkie), Jennifer Lake, Ruth Lake, and Kitoi Bay to provide subsistence and commercial harvest opportunities.

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<sup>1</sup> 2023 Annual Management Plan Kitoi Bay Hatchery. Unpublished. Available from Kodiak Regional Aquaculture Association, Kodiak, Alaska.

<sup>2</sup> 2023 Annual Management Plan Pillar Creek Hatchery. Unpublished. Available from Kodiak Regional Aquaculture Association, Kodiak, Alaska.

# ESCAPEMENT GOALS AND MONITORING

## ESCAPEMENT GOALS

In 2019, ADF&G staff reviewed previously established escapement goals within the KMA for each system and salmon species and recommended no change to 21 goals, modified 1 goal, and recommended a change in designation from biological escapement to sustainable escapement for 3 goals (McKinley et al. 2019). Directors of Divisions of Commercial Fisheries and Sport Fish accepted these recommended changes to the escapement goals. In 2023, the KMA commercial salmon fisheries were managed to achieve escapement levels that were within the established ranges or, in some cases, exceeded lower-bound escapement goals. Established goals in the KMA include 2 for Chinook salmon, 12 for sockeye salmon, 4 for coho salmon, 2 for pink salmon, and 1 for chum salmon (Table 3).

## ESCAPEMENT MONITORING

In 2023, weirs were operated on the major systems of the KMA (Table 4, Figure 2). The 4 largest systems with weirs are the Karluk River, Ayakulik River, South Olga Lakes (Upper Station), and Dog Salmon Creek. There are 5 smaller systems with weirs: Afognak River (Litnik), Saltery Lake, Pasagshak River, and Buskin River. On Dog Salmon Creek, a fish pass is operated upstream near the outlet of Frazer Lake. To avoid duplicates when summing escapement totals, 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 spawn successfully; therefore, the cumulative sockeye salmon count through the fish pass is considered the spawning escapement for the drainage.

The majority of sockeye salmon and Chinook salmon ascending rivers in the KMA were counted through weirs (Tables 3–5) The timely nature 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 are considered an index of the actual escapement and are utilized inseason 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.

## **STOCK STATUS**

### **Chinook Salmon**

There continues to be concern regarding the low returns of Chinook salmon escapement in the Karluk and Ayakulik Rivers. In an attempt to increase escapement, regulation 5 AAC 18.395 provides ADF&G emergency order 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, the Board of Fisheries (BOF) has required nonretention of Chinook salmon 28 inches or greater in length for the entire KMA from June 1 to July 5.

The 2023 Karluk River Chinook salmon season total weir count of only 379 fish (Table 4) was well below the biological escapement goal (BEG) range of 3,000–6,000 fish (Table 3; McKinley et al. 2019). The inriver Chinook salmon sport fishery was closed on the Karluk River for the entire 2023 season; therefore, the estimated total escapement is the same as the weir count.

In 2023, a total of only 590 Chinook salmon were counted through the Ayakulik River weir (Table 4), which was below the escapement goal range of 4,800–8,400 fish (Table 3; McKinley et al. 2019). The inriver Chinook salmon sport fishery was closed on the Ayakulik River for the entire 2023 season; therefore, the estimated total escapement is the same as the weir count.

Dog Salmon Creek has a run of Chinook salmon originally introduced in 1970. A total of 13 were counted through the Dog Salmon weir in 2023 (Table 4). There is no escapement goal established for this system, but the average cumulative weir count during the previous decade (2013–2022) was 62 fish. Beginning in 2020, from January 1 to July 25, a sport fishery is allowed on Dog Salmon Creek Chinook salmon. The bag and possession limit for Dog Salmon Chinook salmon 20 inches or greater in length is 2 per day, 2 in possession; the limit for Chinook salmon less than 20 inches in length is 10 per day, 10 in possession.

### **Sockeye Salmon**

Sockeye salmon counted through weirs accounted for about 95% (1,536,361 fish) of all documented sockeye salmon escapements in 2023 (Table 4). Additional escapements of 80,184 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, Thorsheim Lake, Pauls Lake, and Swikshak Lagoon. With the exception of the Buskin River, sockeye salmon escapements met or exceeded the escapement goals in river systems with established escapement goals within the KMA during the 2023 season (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. Coho salmon escapement goals were reevaluated in 2019 (McKinley et al. 2019). 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 2023, coho salmon escapement goals were

achieved in the American, Olds and Pasagshak River systems while the Buskin River estimate was incomplete at the time of publication (Table 3).

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 in 2023 approximately 15% (781,373 fish) of all KMA pink salmon escapement was counted through salmon weirs (Tables 4 and 5). The 2023 indexed pink salmon escapement of 4,440,413 fish in the Kodiak Island Archipelago was within the escapement goal range of 3,000,000–7,000,000 fish (Table 3; McKinley et al. 2019). The Mainland District indexed pink salmon escapement of 729,600 fish was also within the escapement goal range of 250,000–1,000,000 fish (Table 3; McKinley et al. 2019). Districtwide peak escapements are shown in Appendix M1.

### **Chum Salmon**

The majority of the 2023 chum salmon escapement was estimated from aerial surveys, with approximately 1% (1,479 fish) counted through weirs (Tables 4 and 5). Estimating chum salmon escapements using aerial observations is more difficult than estimating escapements of other species of salmon. Chum salmon migrate into small sloughs and side creeks as well as into major river systems and may also occupy more turbid systems, making observations difficult. Due to the remoteness of these systems, limited aerial surveys were conducted on several major KMA chum salmon systems along Kodiak Island’s west side and in the Mainland District. Pink salmon, usually in greater numbers, are often present in chum salmon systems and make counting the less numerous chum salmon difficult. Estimates based on aerial surveys are considered minimum estimates of actual escapement.

The chum salmon escapement for the Kodiak Archipelago of 108,800 fish met the escapement goal of 101,000 fish (Table 3; McKinley et al. 2019). In 2023, aerial surveys were not conducted during the peak of chum salmon escapement in the majority of the KMA.

## **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 2023, there were 585 commercial salmon fishing permits available in the KMA, of which 287 were fished (Table 7; CFEC 2023). This was below the recent 10-year average (2013–2022) of 308 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 BOF has also designated 5 special

harvest areas (SHAs; 5 AAC 40.085) and 1 terminal harvest area (THA; 5 AAC 18.378) within the KMA to provide harvest opportunity of enhanced salmon runs (Jackson et al. 2023).

## **GEAR TYPES**

In the KMA, there are restrictions on the types of gear that can be used in specific areas 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)). At the January 2017 BOF meeting, a proposal was adopted that now allows set gillnet gear to be fished in the Humpy-Deadman and Cape Alitak Sections north of a line from Cape Trinity to Cape Alitak, after September 4. At the January 2019 BOF meeting, a proposal was adopted allowing the use of set gillnet gear in a small portion of Cape Hepburn in the Humpy-Deadman Section if the set gillnet sections of the Alitak District are closed and the Humpy-Deadman Section is open to commercial fishing.

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 for the entire season (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 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. The following plans were in effect during the 2023 season: the *Alitak District Salmon Management Plan* (Appendix D), *Westside Kodiak Salmon Management Plan* (Appendix E), *Eastside Afognak Salmon Management Plan* (Appendix G), *Eastside Kodiak Salmon Management Plan* (Appendix I), *Mainland District Salmon Management Plan* (Appendix K), and the *North Afognak/Shuyak Island Salmon Management Plan* (Appendix J). Additionally, the *Cape Igvak Salmon Management Plan* (Appendix C) and *North Shelikof Strait Sockeye Salmon Management Plan* (Appendix F) affect Kodiak purse seine permit holders' opportunity to target salmon migrating through the KMA to spawning systems in the Chignik and Cook Inlet management areas. The *Crescent Lake Coho Salmon Management Plan* and *Spiridon Bay Sockeye Salmon Management Plan* (Appendix H) provide for full utilization of enhanced stocks while protecting local wild stocks.

## **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 pre-season based on the magnitude of the pink salmon forecast (Jackson et al. 2023). 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; Donnellan and Munro 2023).

The 2023 commercial Chinook salmon projected harvest was 8,000 fish (Table 9). The sockeye salmon harvest was forecasted to be 1,790,000 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), and the Cape Igvak Section. The 2023 projected KMA harvest also included 379,700 coho, 26,200,000 pink, and 456,800 chum salmon (Table 9). These projections included expected supplemental production of salmon from Kitoi Bay Hatchery and the Spiridon Bay enhancement projects.

## **2023 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 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 in July and August. Coho salmon are generally present from August through October. Commercial salmon fisheries are structured around the seasonal abundance of specific salmon species.

The *Kodiak Management Area Harvest Strategy for the 2023 Commercial Salmon Fishery*, published in May 2023, outlined the approaching fishing season (Jackson et al. 2023). This document contains a synopsis of the expected chronology of the 2023 commercial salmon fisheries by species, expected escapements and harvests, an overview of pertinent regulations, and a summary of the management plans that guide management throughout the season.

Sockeye salmon are the primary target species by 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 2023 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 et al. 2023). 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 and 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 may not be announced for June 9 in the Alitak District due to the expected average early-run sockeye salmon forecast for Dog Salmon and Upper Station. The first fishing period could occur as early as June 1 in the Cape Igvak Section if the Chignik River sockeye salmon early run is much stronger than expected and run timing is 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 Kodiak 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 (Donnellan and Munroe 2023) projected a harvestable surplus that 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 June 21 for select systems with minor sockeye salmon returns. These included the Eastside Kodiak District; the Northwest Afognak, Pauls Bay, and Perenosa Bay Sections of the Afognak District; and the Big River and Outer Kukak Bay Sections of the Mainland District. These periods were intended to target sockeye salmon runs to Saltery, Ocean Beach, Thorsheim, Long Lagoon, Pauls, Portage, Swikshak, and Kafli 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 et al. 2023). Based on the forecasted pink salmon run strength, the initial pink salmon opening was set at 105 hours in length, with the 3 subsequent fishing periods following in July also set at 105 hours per week. Adjustments in fishing time during late July and August in most areas is to be determined by the strength of local pink and chum salmon runs and the strength of coho salmon runs in September.

## **2023 COMMERCIAL SALMON FISHERY SUMMARY**

The 2023 Kodiak commercial salmon fishery began on June 9 with a 57-hour fishing period in the Central and North Cape Sections and a 33-hour fishing period in the Anton Larsen Bay, Sharatin Bay, Kizhuyak Bay, Terror Bay, Inner Uganik Bay, Spiridon Bay, Zachar Bay, and Uyak Bay Sections. An indefinite period in the terminal fisheries at Foul and Waterfall Bays and in the Duck Bay, Izhut Bay, Inner Kitoi Bay, and Outer Kitoi Bay Sections was also announced beginning June 9 (Appendices B1 and B2). There was only one 33-hour fishing period allowed in the Outer Ayakulik Section in June targeting early-run sockeye salmon. The two 33-hour openings scheduled for June 14 and June 21 occurred as scheduled in the Eastside Kodiak District, the Northwest Afognak, Pauls Bay, and Perenosa Bay Sections of the Afognak District, and the Outer Kukak Bay and Big River Sections of the Mainland District (Appendices B1 and B2). After the second 33-hour opener in June, the majority of the Northwest Kodiak District and Outer Karluk Section of the Southwest District remained open until June 25. Three fishing periods in June were allowed in the Alitak District beginning on June 14 due to moderate escapements of Upper Station early-run sockeye salmon. There was no commercial fishing allowed in the Cape Igvak Section in June because the Chignik early sockeye salmon run was well below the forecast. In total, the Central and North Cape Sections of the Northwest Kodiak District were open for 15 days in June.

The pink salmon fishery started as scheduled with a 105-hour weekly fishing period on July 6. The subsequent fishing period in July took place as scheduled, but the third fishing period was reduced to 81 hours, and the 4th weekly period was delayed by 24 hours and shortened to 57 hours. A reduction in fishing time was warranted in the majority of Northwest Kodiak, Northeast Kodiak, Eastside Kodiak, Alitak, Afognak, and Mainland Districts because of an apparent slowdown in

harvest and early escapement of pink salmon. The majority of the Mainland District opened as scheduled for four 57-hour fishing periods in July.

Beyond the anticipated fishery openings in the harvest strategy, additional fishing opportunities were provided by emergency order 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 2023, the KMA commercial salmon harvest occurred over a 111-day period, with the last reported landing occurring on September 27 (Figure 3). A total of 19 buyers/locations purchased salmon within the KMA in 2023 (Table 10).

## **PERMIT HOLDER PARTICIPATION**

A total of 287 KMA commercial salmon fishing permit holders reported harvests in the common property fishery in 2023. This was 20 fewer permits than during the 2022 season and below the recent 10-year average (2013–2022) of 308 permits (Table 7). Purse seine participation during the 2023 season (163 permits) was 5 permits less than the 2022 season and below the previous 10-year average (2013–2022) of 166 permits. Two beach seine permit holders were active during the 2023 season, which was slightly below the 10-year average (2013–2022) of 3 permits. Set gillnet participation in the 2023 KMA commercial salmon fishing season was made up of 122 permits, 15 less than the 2022 season and below the recent 10-year average (2013–2022) of 140 permits (Table 7).

Set gillnet permit participation statistics from 2008 to 2010 are not comparable to other years because from 2008 to 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 28,407,916 salmon were harvested in the 2023 KMA commercial fisheries (common property and cost recovery combined), which was above the recent 10-year (2013–2022) average of 23,874,624 salmon (Table 6).

Not including cost recovery, purse seine permit holders caught 95% (25,088,585 fish) of the total number of salmon harvested, which included 11,239 Chinook, 1,975,156 sockeye, 214,048 coho, 22,144,081 pink, and 744,061 chum salmon in the common property fishery (Table 11). Set gillnet permit holders caught 5% (1,304,635 fish) of the salmon harvested, which included 120 Chinook, 549,817 sockeye, 23,424 coho, 647,843 pink, and 83,431 chum salmon in the common property fishery (Table 11). Beach seine permit holders harvest was confidential in 2023 due to only 2 permits fishing (Table 11).

## **CHINOOK SALMON**

The Chinook salmon harvest of 11,360 fish was above the 10-year average (2013–2022) of 10,514 fish (Table 6) and above the projected harvest of 8,000 fish (Table 9). The average weight of Chinook salmon sold in the common property fishery was 5.23 lb (Table 11). The majority of the Chinook salmon were harvested in the Eastside Kodiak and Afognak Districts in June and July.

Chinook salmon harvests ranged from a low of 42 harvested in the Mainland District to a high of 5,475 fish harvested in the Eastside Kodiak District.

## **SOCKEYE SALMON**

The sockeye salmon harvest of 2,558,398 fish (Table 6) was above both the forecast of 1,790,000 fish (Table 9) and 10-year average (2013–2022) catch of 2,465,593 fish (Table 6). The average weight of sockeye salmon sold in the common property fishery was 4.74 lb (Table 11). Approximately 60% of the sockeye salmon harvest (1,531,878 fish) came from the Westside Kodiak fisheries<sup>3</sup> (Table 9). Approximately 11% of the sockeye salmon harvest (284,334 fish) came from the Alitak District (Table 9). Approximately 11% of the sockeye salmon harvest (294,213 fish) came from the Spiridon Bay sockeye salmon project fishery (Table 9). Approximately 7% of the sockeye salmon harvest (179,687 fish) came from the Ayakulik fishery (Table 9). There was no sockeye salmon harvest from the Cape Igvak fishery in 2023 (Table 9). The area near the Kitoi Bay Hatchery accounted for a sockeye salmon harvest of 43,359 fish, although an unknown portion of these fish were probably not of hatchery origin.

## **COHO SALMON**

The coho salmon harvest of 265,918 fish (Table 6) was below the forecast of 379,700 fish (Table 9) and below the 10-year average (2013–2012) of 337,794 fish (Table 6). The average weight of coho salmon sold in the common property fishery was 6.30 lb (Table 11). Westside Kodiak fisheries (excluding the Southwest Afognak Section) harvested approximately 91,248 coho salmon, below the forecast of 119,800 fish (Table 9). The Eastside/Northend Kodiak coho salmon harvest<sup>4</sup> of 54,658 fish was below the forecast of 62,700 fish (Table 9). The Afognak nonhatchery harvest of 16,367 coho salmon was below the forecast of 29,800 fish (Table 9). The coho salmon harvest attributed to the Kitoi Bay Hatchery was 96,997 fish, which was also below the hatchery forecast of 126,000 fish (Table 9).

## **PINK SALMON**

The pink salmon harvest of 24,744,333 fish (Table 6) was slightly below the harvest forecast of 26,200,000 fish (Table 9) and below the recent 5 odd-year average (2013–2021) of 29,493,447 fish (Table 6). The average pink salmon weight of 3.16 lb (Table 11) was below the 2022 average weight of 3.23 lb. The Afognak nonhatchery (wild stock) pink salmon harvest of 1,124,065 fish was below the harvest projection of 1,700,000 fish. The Westside Kodiak fisheries harvest of 6,617,354 fish accounted for approximately 48% of the total wild KMA pink salmon harvest and was below the Westside Kodiak forecast of 9,100,000 fish (Table 9). Pink salmon harvests in the Mainland District were also below forecast with 205,469 fish harvested (forecast 800,000; Table 9). The fishery associated with the Kitoi Bay Hatchery accounted for 10,908,382 pink salmon, which was well above the forecast of 5,300,000 fish (Table 9). Kitoi Bay Hatchery cost-recovery fishery accounted for 18%, or 1,943,701 of those fish. Additional hatchery-bound pink salmon were probably harvested along the west side and east side of Kodiak and Afognak Islands;

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<sup>3</sup> From the Southwest Afognak Section (251-10 & -20) and the Northwest Kodiak District (except the Spiridon and Settler Cove Special Harvest Areas), Inner and Outer Karluk Sections, plus 50% of the Halibut Bay Section from June 21 to July 15 and 100% after July 31, minus the estimated contribution bound for the Spiridon SHA.

<sup>4</sup> From the Eastside Kodiak District (all 258s and 259-40 to 259-42), Northeast Kodiak District (259-21 to 259-25), and the North Cape, Anton Larsen Bay, Sharatin Bay, and Kizhuyak Sections, plus part of the Central Section (259-35 to 259-39).

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 827,907 fish (Table 6) was well above the forecast of 456,800 fish (Table 9) and above the 10-year average (2013–2022) of 654,138 fish (Table 6). The average weight of the chum salmon harvested in the common property fishery was 6.80 lb (Table 11). Westside Kodiak fisheries harvested 257,132 chum salmon, which was above the forecast of 183,100 fish (Table 9). The Eastside/Northend Kodiak fishery total harvest of 217,017 chum salmon was above the forecast of 134,400 fish. The Mainland District total harvest of 38,988 chum salmon was slightly below the forecast of 42,800 fish (Table 9). The chum salmon harvest attributed to the Kitoi Bay Hatchery of 239,348 fish was well above the forecast of 60,000 fish (Table 9).

## **EXVESSEL VALUE**

The estimated total exvessel value of the 2023 KMA commercial salmon fishery (not including cost recovery) was \$24,302,285 (Table 11), which was well below the 10-year (2013–2022) average exvessel value of \$38,982,670 (Table 12). This exvessel value was based on inseason price estimates and does not reflect additional payments made to commercial fishers for dock deliveries, refrigerated or iced fish, or postseason adjustments. The average price per pound, by gear and species, can be found in Table 11.

Purse seine permit holders' gross earnings averaged \$131,578 in 2023 (2013–2022 average \$198,044; Table 12). Gillnet permit holders' gross earnings averaged \$23,156 (2013–2022 average \$40,650; Table 12), Beach seine permit holders' gross earnings were confidential in 2023 because fewer than 3 permits participated.

## **TEST FISHERY AND COST RECOVERY**

The ADF&G test fishery program harvested salmon in 2023 to help cover the cost of managing the commercial salmon fishery. A total of 6 Chinook, 3,144 sockeye, 1 coho, 685 pink, and 280 chum salmon were harvested under the ADF&G test fishery program with the department collecting \$6,386.

KRAA has conducted a cost-recovery program to pay for operational costs at the Kitoi Bay Hatchery from 1987 to 1989, 2003 to 2019, and 2021 to 2023.

## **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 have 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 fishers 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).

Historically, the most utilized subsistence fishery areas are on the north end of Kodiak Island, the saltwater areas in proximity to the Buskin and Pasagshak Rivers, and the southeast side of Afognak Island in Afognak Bay targeting Afognak River fish. The subsistence harvest for 2023 has not been determined because many permits have not been returned prior to publication of this document. In 2022, 1,059 permit holders returned subsistence permits and reported a harvest of 14,513 salmon, including 75 Chinook, 11,799 sockeye, 1,865 coho, 492 pink, and 282 chum salmon (Table 13). Reported subsistence salmon harvests averaged 22,817 fish annually for the 10-year period 2012–2021 (Table 13). Sockeye salmon accounted for 83% of the recent 10-year average harvest (18,995 fish), followed by coho salmon at 12% (2,732 fish), pink salmon at 3% (756 fish), and both Chinook salmon (121 fish) and chum salmon (213 fish) at about 1% (Table 13).

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

In the KMA, commercial fishers 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)). Additionally, under *General Provisions* (5 AAC 39.010), “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 2023, 84 permit holders reported retaining 33,907 salmon from their commercial harvest for “home pack” or personal use. This included 297 Chinook, 7,268 sockeye, 7,380 coho, 18,686 pink, and 276 chum salmon (Table 14).

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## **TABLES AND FIGURES**

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

Management district	Number of streams <sup>a</sup>	Number of streams with each species <sup>b</sup>				
		Chinook	Sockeye	Coho	Pink	Chum
Afognak	125	0	25	96	104	16
Northwest Kodiak	70	0	5	33	69	29
Southwest Kodiak	11	2	4	6	11	6
Alitak	34	1	8	16	31	22
Eastside Kodiak	107	1	9	48	93	58
Northeast Kodiak	43	2	5	34	33	15
Mainland	103	0	7	21	101	70
<b>Total</b>	<b>493</b>	<b>6</b>	<b>60</b>	<b>254</b>	<b>441</b>	<b>215</b>

<sup>a</sup> The State of Alaska’s Division of Sport Fish identifies over 1,200 streams in the Kodiak Management Area that have documented use by anadromous fish (Giefer and S. Graziano 2023). Many of these streams are very small and may only be used by pink salmon in years with very large returns.

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

Table 2.—Estimated commercial harvest of salmon from Kodiak Regional Aquaculture Association projects in the Kodiak Management Area, 1994–2023.

Year	Number of salmon				Total
	Sockeye	Coho	Pink	Chum	
1994	277,884	46,984	2,051,375	10,799	2,387,042
1995	186,371	42,235	4,519,885	215,351	4,963,842
1996	487,900	57,200	979,143	14,189	1,538,432
1997	248,336	110,334	1,213,615	11,029	1,583,314
1998	315,109	148,333	6,272,029	38,118	6,773,589
1999	582,218	116,513	4,057,093	140,896	4,896,720
2000	287,387	133,238	3,659,698	303,783	4,384,106
2001	244,761	151,732	13,126,761	216,266	13,739,520
2002	565,422	209,259	6,696,774	88,724	7,560,179
2003	796,359	144,389	5,533,522	466,205	6,940,475
2004	266,150	128,291	3,962,421	239,610	4,596,472
2005	206,860	151,729	13,603,742	91,814	14,054,145
2006	113,869	168,205	4,158,109	177,548	4,617,731
2007	207,309	125,781	7,884,867	210,699	8,428,656
2008	316,197	120,366	2,118,392	93,025	2,647,980
2009	248,339	154,473	9,080,346	94,905	9,578,063
2010	311,323	116,647	3,292,029	191,998	3,911,997
2011	491,670	70,335	2,174,975	320,578	3,057,558
2012	324,108	49,791	2,971,123	218,794	3,563,816
2013	457,039	53,533	11,772,629	96,909	12,380,110
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
2016	231,588	12,282	1,122,800	72,890	1,439,560
2017	378,897	34,456	2,003,651	166,915	2,583,919
2018	180,339	131,068	3,199,981	166,324	3,677,712
2019	100,080	35,338	4,922,233	17,335	5,074,986
2020	152,971	126,682	4,852,761	20,862	5,153,276
2021	281,348	105,258	10,484,814	40,504	10,911,924
2022	293,716	9,576	3,706,054	116,895	4,126,241
2023	337,572	103,333	10,920,336	239,581	11,600,822
Average 2013–2022	276,273	78,974	5,280,216	79,952	5,715,415

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]). Special harvest area (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 set aside for personal use and cost-recovery harvests.

Table 3.—Comparison of 2023 salmon peak escapements and escapement goals of index streams or districts, by species, in the Kodiak Management Area.

Species	System (or group of systems)	Stream	Escapement goal		Escapement estimate <sup>a</sup>
			Lower	Upper	
Chinook					
	Karluk <sup>b</sup>	255-101	3,000	6,000	379
	Ayakulik <sup>b</sup>	256-201	4,800	8,400	590
Sockeye					
	Malina	251-105	1,000	10,000	2,500
	Afognak	252-342	20,000	50,000	35,559
	Karluk	255-101			
	Early run		150,000	250,000	182,172
	Late run		200,000	450,000	605,468
	Ayakulik	256-201			
	Early run		140,000	280,000	200,143
	Late run		60,000	120,000	117,956
	Upper Station	257-304			
	Early run		43,000	93,000	63,129
	Late run		120,000	265,000	181,290
	Frazer	257-403	75,000	170,000	100,447
	Buskin	259-211	5,000	8,000	1,761
	Pasagshak <sup>c</sup>	259-411	3,000		4,345
	Saltery	259-415	15,000	35,000	47,936
Coho					
	Buskin	259-211	4,700	9,600	<sup>d</sup>
	American	259-231	400		434
	Olds (Sid Olds)	259-242	500		857
	Pasagshak	259-411	1,200		2,297
Pink					
	Mainland District		250,000	1,000,000	729,600
	Kodiak Archipelago		3,000,000	7,000,000	4,440,413
Chum					
	Kodiak Archipelago		101,000		108,800

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

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

<sup>c</sup> Pasagshak River sockeye salmon weir count.

<sup>d</sup> Counts incomplete at time of publication.

Table 4.–Fish weir installation and removal dates and cumulative salmon weir counts for systems with weirs in the Kodiak Management Area, 2023.

Weir location	2023 dates		Salmon species enumerated				
	Installed	Removed	Chinook	Sockeye	Coho	Pink	Chum
Karluk River <sup>a</sup>	25-May	13-Sep	379	787,640	9,981	318,229	120
Ayakulik River	29-May	25-Aug	590	318,099	859	26,839	18
Dog Salmon Creek <sup>b</sup>	8-Jun	10-Aug	13	123,986	2	339,465	1,243
Frazer Lake Fish Pass <sup>b</sup>	14-Jun	22-Aug	8	100,477	0	64,540	0
Upper Station (Olga Creek) <sup>c</sup>	20-May	14-Sep	2	244,519	5,453	18,679	1
Litnik (Afognak River) <sup>d</sup>	31-May	8-Aug	0	34,816	318	4,603	4
Buskin River <sup>e</sup>	18-May	29-Sep	0	1,761	649	62,386	32
Saltery River <sup>f</sup>	16-Jun	16-Aug	1	44,704	8	11,157	30
Pasagshak River	14-Jun	15-Aug	2	4,345	0	15	31
Totals			987	1,536,361	17,270	781,373	1,479

<sup>a</sup> Count includes post-weir estimate of 125,000 sockeye salmon, 7,000 coho salmon, and 35,000 pink salmon.

<sup>b</sup> Some sockeye salmon that pass Dog Salmon weir are not counted at Frazer Lake fish pass due to mortality or failure to migrate up the fish pass and are not likely to 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. Dog Salmon total included a post-weir estimate of 3,000 sockeye salmon and 100,000 pink salmon.

<sup>c</sup> Upper Station total includes a post-weir estimate of 17,500 sockeye and 1,000 coho salmon.

<sup>d</sup> Litnik sockeye salmon total reflects 743 fish removed for Kodiak Regional Aquaculture Association (KRAA) hatchery broodstock.

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

<sup>f</sup> Saltery system sockeye salmon total reflects 3,232 fish removed for KRAA hatchery broodstock.

Table 5.—Indexed salmon escapements by species in the Kodiak Management Area, 1979–2023.

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

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Table 5.–Page 2 of 2.

Year	Number of salmon					Total
	Chinook	Sockeye	Coho	Pink	Chum	
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
2016	8,126	1,285,363	65,837	1,764,586	202,485	3,326,397
2017	6,387	1,522,210	83,708	6,089,116	764,323	8,465,744
2018	5,378	1,501,385	186,696	5,154,742	345,745	7,193,946
2019	5,863	1,287,032	68,838	5,593,088	413,473	7,368,294
2020	5,794	1,282,003	66,836	10,913,396	212,820	12,480,849
2021	5,815	1,745,191	58,801	5,041,248	318,703	7,169,758
2022	5,532	1,363,959	41,664	5,733,724	307,775	7,452,654
2023	987	1,616,545	34,513	5,170,013	481,999	7,304,057
<u>Average—previous 10 years:</u>						
2013–2022	5,458	1,447,123	77,305	5,471,815	365,032	7,366,733
Odd years 2013–2021				5,632,755		
Even years 2014–2022				5,310,876		
<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>						
1979–2022	15,719	1,622,434	127,383	5,020,919	529,301	7,315,755

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

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

Table 6.—Commercial salmon harvest by species in the Kodiak Management Area, 1882–2023.

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

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Table 6.—Page 2 of 4.

Year	Number of salmon <sup>a</sup>					Total
	Chinook	Sockeye	Coho	Pink	Chum	
1926	596	3,015,366	174,475	4,606,694	324,706	8,121,837
1927	4,358	1,155,202	151,548	5,297,305	417,956	7,026,369
1928	2,546	1,592,003	290,645	1,535,313	726,480	4,146,987
1929	3,200	712,126	144,226	6,108,402	1,057,662	8,025,616
1930	4,991	466,409	228,800	1,651,398	419,011	2,770,609
1931	1,541	1,183,074	170,075	6,839,906	183,737	8,378,333
1932	1,873	1,058,446	52,192	4,719,939	237,023	6,069,473
1933	1,140	1,428,373	91,428	6,573,660	536,935	8,631,536
1934	1,300	1,828,953	89,588	7,641,891	661,341	10,223,073
1935	1,393	1,613,519	76,849	10,780,612	381,753	12,854,126
1936	2,548	2,657,195	183,903	5,647,726	328,218	8,819,590
1937	1,257	1,881,304	164,902	16,787,150	346,238	19,180,851
1938	1,232	1,965,943	154,959	8,397,981	640,119	11,160,234
1939	2,272	1,786,445	112,171	11,741,218	641,693	14,283,799
1940	1,233	1,318,233	148,016	9,997,899	673,265	12,138,646
1941	2,571	1,730,201	199,515	7,601,531	444,521	9,978,339
1942	1,329	1,281,529	106,865	6,092,526	564,924	8,047,173
1943	1,133	1,990,557	59,661	12,479,608	454,205	14,985,164
1944	668	1,817,875	51,675	4,955,354	506,703	7,332,275
1945	2,021	2,041,090	60,122	9,044,544	559,332	11,707,109
1946	129	838,863	56,425	9,545,871	298,486	10,739,774
1947	99	993,394	76,230	8,856,666	294,518	10,220,907
1948	1,401	1,260,465	32,364	5,968,487	330,795	7,593,512
1949	851	892,336	53,737	4,927,779	699,548	6,574,251
1950	2,127	920,885	40,653	5,304,701	685,109	6,953,475
1951	2,402	467,875	48,792	2,100,377	483,057	3,102,503
1952	1,081	603,677	51,567	4,576,726	1,243,227	6,476,278
1953	2,991	317,150	41,681	5,174,645	547,574	6,084,041
1954	942	325,157	66,430	8,439,231	1,250,833	10,082,593
1955	2,428	164,482	34,582	10,794,164	482,425	11,478,081
1956	1,123	271,249	52,844	3,318,841	705,047	4,349,104
1957	1,030	234,253	34,995	4,716,482	1,208,472	6,195,232
1958	1,942	288,014	20,555	4,038,938	930,698	5,280,147
1959	1,837	330,087	14,512	1,967,058	733,784	3,047,278
1960	1,238	362,525	54,308	6,737,817	1,300,386	8,456,274
1961	864	407,979	28,579	3,926,023	518,935	4,882,380
1962	1,095	784,664	54,583	14,113,851	794,727	15,748,920
1963	286	407,040	57,011	5,480,158	305,061	6,249,556
1964	1,306	498,488	35,535	12,044,341	1,134,163	13,713,833
1965	786	346,237	26,672	2,886,831	431,340	3,691,866
1966	599	631,646	67,700	10,755,582	762,766	12,218,293
1967	1,753	308,756	10,354	187,813	226,681	735,357
1968	1,936	760,393	56,629	8,768,122	750,428	10,337,508
1969	2,469	591,481	48,759	12,500,823	534,933	13,678,465

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Table 6.–Page 3 of 4.

Year	Number of salmon <sup>a</sup>					Total
	Chinook	Sockeye	Coho	Pink	Chum	
1970	1,089	917,045	66,421	12,035,549	919,102	13,939,206
1971	920	478,479	22,844	4,334,492	1,541,444	6,378,179
1972	1,300	222,408	16,587	2,478,064	1,163,426	3,881,785
1973	800	167,341	3,573	511,708	317,921	1,001,343
1974	545	418,761	13,631	2,647,196	249,294	3,329,427
1975	101	136,418	23,659	294,280	84,431	3,187,410
1976	766	641,484	23,714	11,077,992	740,495	12,484,451
1977	585	623,468	27,920	6,252,405	1,072,313	7,976,691
1978	3,228	1,071,782	48,795	15,004,065	814,345	16,942,215
1979	1,907	630,756	140,629	11,285,809	358,336	12,417,437
1980	529	651,394	139,154	17,290,615	1,075,557	19,157,249
1981	1,418	1,288,949	121,544	10,336,747	1,345,313	13,093,971
1982	1,214	1,203,787	344,823	8,089,780	1,262,587	10,902,191
1983	3,839	1,231,989	157,612	4,603,371	1,085,165	7,081,976
1984	4,657	1,950,439	229,524	10,844,293	649,092	13,678,005
1985	4,970	1,842,731	284,166	7,334,825	430,757	9,897,449
1986	4,381	3,188,046	168,690	11,807,727	1,134,372	16,303,216
1987	4,613	1,794,224	192,433	4,920,365	680,994	7,592,629
1988	22,374	2,698,349	303,267	14,262,355	1,426,400	18,712,745
1989	106	1,289,511	2,599	6,825,124	19,972	8,137,312
1990	18,808	5,247,569	293,819	5,983,812	577,748	12,121,756
1991	22,234	5,702,754	324,860	16,642,836	1,029,057	23,721,741
1992	24,299	4,166,762	280,085	3,310,639	679,540	8,461,325
1993	41,029	4,377,523	313,467	34,019,390	588,328	39,339,737
1994	22,576	2,876,878	296,311	8,162,564	738,851	12,097,180
1995	18,704	4,487,568	307,795	42,849,294	1,522,786	49,186,147
1996	13,071	4,968,954	201,836	3,486,930	543,729	9,214,520
1997	18,728	2,503,423	381,005	11,035,023	520,264	14,458,443
1998	17,341	3,623,031	425,143	22,062,465	316,107	26,444,087
1999	18,299	4,650,738	296,979	11,898,307	913,817	17,778,140
2000	12,293	2,905,403	332,998	9,927,374	1,194,414	14,372,482
2001	23,827	2,657,601	407,977	19,567,052	1,053,691	23,710,148
2002	19,263	1,824,848	496,073	18,327,818	650,144	21,318,146
2003	18,531	4,041,886	339,457	14,065,615	1,151,757	19,617,246
2004	28,899	4,165,880	489,871	21,440,641	1,121,855	27,247,146
2005	14,411	3,047,142	396,030	30,139,434	477,416	34,074,433
2006	20,283	1,583,876	553,524	31,693,347	1,081,989	34,933,019
2007	17,222	2,012,564	356,063	24,809,213	728,912	27,923,974
2008	17,176	1,819,143	300,793	8,788,655	908,035	11,833,802
2009	7,219	1,726,971	288,744	27,648,943	955,808	30,627,685
2010	14,550	1,436,606	266,431	8,864,796	734,806	11,317,189
2011	18,454	2,266,651	188,474	16,642,402	823,202	19,939,183
2012	14,785	2,232,441	208,514	16,873,244	866,381	20,195,365

-continued-

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Year	Number of salmon <sup>a</sup>					Total
	Chinook	Sockeye	Coho	Pink	Chum	
2013	34,028	2,573,757	268,799	28,192,164	794,054	31,862,802
2014	8,382	3,259,037	472,035	10,674,898	336,572	14,750,924
2015	8,087	3,097,344	396,145	33,024,992	770,539	37,297,107
2016	7,478	2,063,566	206,542	3,199,648	403,881	5,881,115
2017	7,101	2,476,321	366,397	27,104,625	1,891,381	31,845,825
2018	3,895	1,820,350	438,065	5,946,894	463,834	8,673,038
2019	7,371	2,176,572	393,812	32,962,644	552,431	36,092,830
2020	8,324	1,524,845	441,353	21,555,542	368,901	23,898,965
2021	9,065	3,298,898	306,495	26,182,812	409,373	30,206,643
2022	11,409	2,365,236	88,293	15,221,647	550,409	18,236,994
2023	11,360	2,558,398	265,918	24,744,333	827,907	28,407,916
<u>Averages<sup>b</sup></u>						
2013–2022	10,514	2,465,593	337,794	20,406,587	654,138	23,874,624
Even years, 2014–2022				11,319,726		
Odd years, 2013–2021				29,493,447		
1882–2022	5,959	1,880,621	154,345	9,401,893	628,452	11,550,074
1949–2022	8,732	1,781,567	196,625	12,371,591	791,788	15,150,303
Even years, 1950–2022				10,788,019		
Odd years, 1949–2021				13,999,151		

*Source:* 1882–1947 data are from processors' case pack information. Data during 1948–2023 are from ADF&G fish ticket summaries and are considered more accurate than previous data.

*Note:* En dashes indicate no reported harvest.

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

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

Table 7.—Summary of limited entry permit activity in the commercial salmon fishery by gear type in the Kodiak Management Area, 1980–2023.

Year	Purse seine		Beach seine		Set gillnet		Total		Percent
	Available	Fished	Available	Fished	Available	Fished	Available	Fished	
1980	387	370	35	33	187	168	609	571	94
1981	387	325	35	30	187	169	609	524	86
1982	386	345	35	30	187	170	608	545	90
1983	383	342	35	27	188	174	606	543	90
1984	384	296	35	25	188	168	607	489	81
1985	384	270	35	21	188	169	607	460	76
1986	385	287	35	14	187	174	607	475	78
1987	386	298	35	18	188	173	609	489	80
1988	387	323	35	21	188	180	610	524	86
1989 <sup>a</sup>	387	5	35	1	189	87	611	93	15
1990	388	354	35	21	189	184	612	559	91
1991	388	348	35	17	189	185	612	550	90
1992	387	335	35	12	189	178	611	525	86
1993	387	324	36	9	190	176	613	509	83
1994	387	285	36	5	190	169	613	459	75
1995	386	312	36	8	189	173	611	493	81
1996	384	261	36	6	189	172	609	439	72
1997	384	261	36	5	188	174	608	440	72
1998	384	217	36	2	188	171	608	390	64
1999	384	220	36	4	188	173	608	397	65
2000	383	223	34	2	188	173	605	398	66
2001	384	182	34	0	188	172	606	354	58
2002	382	149	34	0	188	93	604	242	40
2003	377	143	33	0	188	161	598	304	51
2004	375	140	32	0	188	164	595	304	51
2005	374	135	31	0	188	165	593	300	51
2006	375	130	31	1	188	153	594	284	48
2007	377	140	31	3	188	157	596	300	50
2008 <sup>b</sup>	374	128	31	0	188	148	593	276	47
2009 <sup>b</sup>	374	157	31	1	188	132	593	290	49
2010 <sup>b</sup>	374	155	31	2	188	158	593	315	53
2011	376	175	31	7	188	157	595	339	57
2012	376	168	31	4	188	164	595	336	56
2013	376	170	31	3	188	152	595	325	55
2014	373	184	31	3	188	146	592	333	56

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Year	Purse seine		Beach seine		Set gillnet		Total		Percent
	Available	Fished	Available	Fished	Available	Fished	Available	Fished	
2015	372	180	31	1	188	154	591	335	57
2016	374	165	30	3	188	137	592	305	52
2017	375	163	30	3	188	143	593	309	52
2018	375	151	30	2	188	140	593	293	49
2019	372	176	30	3	188	148	590	327	55
2020	370	149	29	2	188	126	587	277	47
2021	370	166	29	2	188	130	587	298	51
2022	370	168	29	2	187	137	586	307	52
2023	371	163	27	2	187	122	585	287	49
<u>Recent 10-year average:</u>									
2013–2022	373	166	30	3	188	140	591	308	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 <sup>a</sup>	385	317	35	24	188	172	608	513	84
<u>Average<sup>a</sup>–overall:</u>									
1980–2022	380	225	33	8	188	160	601	394	65

Source: Commercial Fisheries Entry Commission Summary Information and Reports (CFEC 2023) and ADF&G fish ticket summaries.

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

<sup>b</sup> From 2008 to 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, 2023.

Management plan	Year initiated	Management units affected	Dates in effect
Cape Igvak Salmon	1978	Cape Igvak Section Wide Bay Section	6/1–7/5
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
Crescent Lake Coho Salmon	1990	Special Harvest Area in the Central Section near Port Lions	7/15–10/31
North Shelikof Strait Sockeye Salmon	1991	SW Afognak Section NW Afognak Section Shuyak Island Section Big River Section Hallo Bay Section Inner and Outer Kukak Bay Sections Dakavak Bay Section Katmai Section Alinchak Bay Section Cape Igvak Section	7/6–8/1
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 2023 commercial salmon harvest, by species and fishery, for the Kodiak Management Area.

	Number of salmon					Total
	Chinook	Sockeye	Coho	Pink	Chum	
Projected harvest 2023 <sup>a</sup>	8,000	1,790,000	379,700	26,200,000	456,800	28,834,500
Actual harvest 2023	11,360	2,558,398	265,918	24,744,333	827,907	28,407,916
Fishery	2023 Harvest					
	Projection <sup>b</sup>					Actual <sup>c</sup>
Early sockeye salmon fisheries (6/1–7/15 except Cape Igvak which is 6/1–7/5)						
Kitoi Bay Hatchery <sup>d</sup>			2,500			11,075
Cape Igvak <sup>e</sup>			0			0
Karluk <sup>f</sup>			63,000			246,309
Ayakulik <sup>g</sup>			129,000			90,614
Alitak District			114,000			103,428
Minor enhancement <sup>h</sup>			900			0
Spiridon <sup>i</sup>			55,000			115,244
Other <sup>j</sup>			239,000			110,216
Subtotal			603,400			676,886
Late sockeye salmon fisheries (7/16–10/31)						
Kitoi Bay Hatchery <sup>d</sup>			8,300			32,284
Karluk <sup>f</sup>			489,000			1,285,569
Ayakulik <sup>g</sup>			145,000			89,073
Alitak District			160,800			180,906
Spiridon <sup>i</sup>			71,000			178,969
Other <sup>j</sup>			312,500			114,711
Subtotal			1,186,600			1,881,512
Total sockeye			1,790,000			2,558,398
Coho salmon fisheries						
Kitoi Bay Hatchery <sup>d</sup>			126,000			96,997
Afognak (non-hatchery) <sup>k</sup>			29,800			16,367
Westside Kodiak <sup>l</sup>			119,800			91,248
Alitak District			19,800			4,452
Eastside/Northend Kodiak <sup>m</sup>			62,700			54,658
Mainland District			21,600			2,196
Subtotal			379,700			265,918

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Table 9.–Page 2 of 3.

Fishery	2023 Harvest	
	Projection <sup>b</sup>	Actual <sup>c</sup>
<b>Pink salmon fisheries</b>		
Kitoi Bay Hatchery <sup>d</sup>	5,300,000	10,908,382
Afognak (non-hatchery) <sup>k</sup>	1,700,000	1,124,065
Westside Kodiak <sup>l</sup>	9,100,000	6,617,354
Alitak District	3,200,000	1,324,651
Eastside/Northend Kodiak <sup>m</sup>	6,100,000	4,564,412
<u>Mainland District</u>	<u>800,000</u>	<u>205,469</u>
Subtotal/Wild stock pinks	20,900,000	13,835,951
Subtotal/all pinks	26,200,000	24,744,333
<b>Chum salmon fisheries</b>		
Kitoi Bay Hatchery <sup>d</sup>	60,000	239,348
Afognak (non-hatchery) <sup>k</sup>	15,500	48,800
Westside Kodiak <sup>l</sup>	183,100	257,132
Alitak District	21,000	26,622
Eastside/Northend Kodiak <sup>m</sup>	134,400	217,017
<u>Mainland District</u>	<u>42,800</u>	<u>38,988</u>
Subtotal	456,800	827,907
<b>Grand total <sup>o</sup></b>	<b>28,834,500</b>	<b>28,407,916</b>

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

<sup>b</sup> Projected harvests for enhanced and major sockeye salmon systems are based on formal forecasts for those individual stocks (total run minus escapement); the projected harvest from minor sockeye salmon systems and other salmon species are based on less formal escapement-to-return relationships, environmental factors, and interspecies competition (Brenner et al. 2023).

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

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

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

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

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

<sup>h</sup> From the Foul Bay, Waterfall Bay, and Settler Cove Special Harvest Areas.

<sup>i</sup> From the Spiridon Bay Special Harvest Area (Telrod Cove; 254-50) and Spiridon Bay Section (254-41), plus an estimate of the Spiridon-bound sockeye salmon contributing to the Westside Kodiak fishery.

<sup>j</sup> Includes sockeye salmon harvested from minor systems at Inner and Outer Ugak Bay (Saltery), Buskin River, Perenos Bay (Portage), Northwest Afognak (Thorsheim and Long Lagoon), Big River (Swikshak), and Outer Kukak Bay (Kafliya and Kuliuk) Sections and migrating fish of undetermined origin.

<sup>k</sup> From the Afognak District, except the Duck Bay, Izhut Bay, and Inner and Outer Kitoi Bay Sections.

<sup>l</sup> From the Southwest Kodiak District (all 255s and 256s) and the Northwest Kodiak District (all 253s and 254s), except for the North Cape, Anton Larsen Bay, Sharatin Bay, and Kizhuyak Bay Sections and part of the Central Section (259-30 to 259-39).

<sup>m</sup> From the Eastside Kodiak District (all 258s, and 259-40 to 259-42), Northeast Kodiak District (259-21 to 259-27, and 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)

<sup>n</sup> Includes the projected 2023 harvest of 8,000 Chinook salmon and the actual harvest of 11,360 Chinook salmon.

Table 10.—Commercial salmon buyers and processing plants active in the Kodiak Management Area, by geographic area and type, 2023.

Buyers/Processors	Shore-based Processors			Floating Processors		
	Kodiak City	Kodiak Borough	Other Areas	Kodiak City	Kodiak Borough	Other Areas
OBI Seafoods Larsen Bay		X				
Alaska Pacific Seafoods	X					
Silver Bay Seafoods Kodiak	X					
OBI Seafoods Kodiak	X					
OBI Seafoods Alitak		X				
OBI Seafoods Cordova			X			
OBI Seafoods Petersburg			X			
Trap Six Setnet Site		X				
Trident Star of Kodiak	X					
Ivanoff Seafoods Inc.	X					
Half Moon Bay Fisheries		X				
Richard G Blanc		X				
Arkouda Fish Co.	X					
Kodiak Wildsource	X					
Broken Point Setnet Site		X				
Greenbanks Fisheries		X				
Mark S Beardsley		X				
Mathew Riendeau		X				
Peterson Plus Wild Alaskan Foods					X	
Totals	7	9	2	0	1	0

Table 11.—Commercial salmon harvest and value, by gear and species, in the Kodiak Management Area, 2023.

	Number of salmon						Total	%
	Chinook	Sockeye	Coho	Pink	Chum			
<b>Purse seine</b>								
Total # <sup>a</sup>	11,239	1,975,156	214,048	22,144,081	744,061	25,088,585	95.0	
<u>Average weight (lb)</u>	<u>5.19</u>	<u>4.66</u>	<u>6.32</u>	<u>3.16</u>	<u>6.83</u>			
Total lb. <sup>a</sup>	58,293	9,213,027	1,352,106	69,865,622	5,083,336	85,572,384	93.7	
<u>Average \$/lb <sup>b</sup></u>	<u>\$0.25</u>	<u>\$0.82</u>	<u>\$0.28</u>	<u>\$0.17</u>	<u>\$0.26</u>			
Exvessel value (\$)	\$14,554.65	\$7,537,601.19	\$372,551.17	\$12,202,939.14	\$1,319,552.69	\$21,447,198.84	88.3	
# of Permits =	163							
Average value (\$)	\$89.29	\$46,242.95	\$2,285.59	\$74,864.66	\$8,095.42	\$131,577.91		
Percent (%)	0.1	35.1	1.7	56.9	6.2	100.0		
<b>Beach seine</b>								
Confidential in 2023								
<b>Set gillnet</b>								
Total # <sup>a</sup>	120	549,817	23,424	647,843	83,431	1,304,635	4.9	
<u>Average weight (lb)</u>	<u>9.09</u>	<u>5.03</u>	<u>6.10</u>	<u>3.41</u>	<u>6.68</u>			
Total lb. <sup>a</sup>	1,091	2,766,913	142,890	2,210,606	557,588	5,679,088	6.2	
<u>Average \$/lb <sup>b</sup></u>	<u>\$0.57</u>	<u>\$0.80</u>	<u>\$0.20</u>	<u>\$0.19</u>	<u>\$0.28</u>			
Exvessel value (\$)	\$626.54	\$2,213,253.71	\$28,443.54	\$427,422.88	\$155,341.79	\$2,825,088.46	11.6	
# of Permits =	122							
Average value (\$)	\$5.14	\$18,141.42	\$233.14	\$3,503.47	\$1,273.29	\$23,156.46		
Percent (%)	0.0	78.3	1.0	15.1	5.5	100.0		
<b>Total all gear</b>								
Total # <sup>a</sup>	11,359	2,532,538	237,479	22,793,652	827,494	26,402,522	100.0	
<u>Average weight (lb)</u>	<u>5.23</u>	<u>4.74</u>	<u>6.30</u>	<u>3.16</u>	<u>6.82</u>			
Total lb. <sup>a</sup>	59,384	12,015,501	1,495,035	72,081,631	5,640,939	91,292,490	100.0	
<u>Average \$/lb <sup>b</sup></u>	<u>\$0.26</u>	<u>\$0.81</u>	<u>\$0.27</u>	<u>\$0.18</u>	<u>\$0.26</u>			
Exvessel value (\$)	\$15,181.20	\$9,779,894.26	\$401,005.46	\$12,631,305.72	\$1,474,898.37	\$24,302,285.01	100.0	
% of Total value	0.1	40.2	1.7	52.0	6.1	100.0		

<sup>a</sup> Numbers and pounds of fish are derived from ADF&G fish ticket summaries. There were 6,887 fish tickets generated in 2023; each ticket represents a landing. Each gear type had the following landings: purse seine = 3,963; beach seine = 28; set gillnet = 2,896. Numbers do not include commercially harvested salmon retained for personal use or subsistence, sport fishery, or cost-recovery harvests.

<sup>b</sup> Figures for average price per pound are based on fish ticket information. Some fish tickets may not show price per pound figures. These average prices may not reflect payments made to permit holders 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, 2005–2023.

Year	Total catch <sup>a</sup>	Total value <sup>b</sup>	Average exvessel value <sup>c</sup>		
			Purse seine	Gillnet	Beach seine
2005	31,434,179	\$24,067,755	\$129,181	\$40,172	\$0
2006	32,595,862	\$24,820,388	\$150,038	\$33,926	<sup>d</sup>
2007	26,239,484	\$28,174,695	\$148,504	\$41,404	\$3,484
2008	10,127,638	\$25,806,691	\$143,819	\$43,202	\$0
2009	28,338,446	\$33,698,297	\$174,566	\$44,918	<sup>d</sup>
2010	10,291,590	\$24,269,085	\$130,009	\$25,728	<sup>d</sup>
2011	18,228,922	\$44,247,720	\$225,633	\$31,155	\$13,750
2012	19,032,409	\$44,988,487	\$219,164	\$52,084	\$16,367
2013	30,145,552	\$59,391,598	\$304,526	\$55,673	\$24,487
2014	13,995,803	\$42,806,102	\$183,451	\$61,504	\$23,796
2015	34,353,663	\$34,381,769	\$163,566	\$29,953	<sup>d</sup>
2016	5,031,781	\$14,509,665	\$66,243	\$25,972	\$7,111
2017	29,978,602	\$54,750,472	\$277,675	\$65,957	\$19,216
2018	8,618,297	\$27,263,475	\$147,748	\$35,118	<sup>d</sup>
2019	34,361,257	\$45,823,478	\$227,552	\$38,725	\$1,461
2020	23,898,965	\$28,104,638	\$168,662	\$23,493	<sup>d</sup>
2021	27,275,659	\$48,010,434	\$258,500	\$38,697	<sup>d</sup>
2022	17,202,482	\$34,785,070	\$182,515	\$31,404	<sup>d</sup>
2023	26,402,522	\$24,302,285	\$131,578	\$23,156	<sup>d</sup>
<b>Recent 10-year average</b>					
2013–2022	22,486,206	\$38,982,670	\$198,044	\$40,650	\$15,406

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

<sup>b</sup> Exvessel value is based on inseason price estimates and does not include postseason adjustments or adjustments for inflation.

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

<sup>d</sup> Confidential data.

Table 13.—Subsistence salmon fishery harvest from ADF&G permit reports, by species, for the Kodiak Management Area, 2000–2022.

Year	Permits issued	Permits returned	Percent returned	Number of salmon					
				Chinook	Sockeye	Coho	Pink	Chum	Total
2000	1,710	1,442	84	351	31,667	6,383	977	375	39,753
2001	2,376	1,975	83	273	33,878	5,920	1,158	427	41,656
2002	2,276	2,051	90	588	33,844	6,175	1,665	350	42,622
2003	2,268	2,042	90	510	32,193	6,098	1,509	388	40,698
2004	2,239	2,050	92	379	30,503	5,857	1,403	261	38,403
2005	2,290	1,949	85	434	27,664	7,703	2,350	592	38,743
2006	2,096	1,911	91	280	22,985	6,640	1,827	441	32,173
2007	2,096	1,927	92	207	25,656	4,715	1,585	266	32,429
2008	2,037	1,738	85	159	21,852	4,570	1,180	186	27,947
2009	1,926	1,777	92	176	23,018	4,125	1,919	342	29,580
2010	2,022	1,890	93	158	22,037	4,188	1,263	273	27,919
2011	2,211	1,999	90	112	33,958	2,344	1,154	166	37,734
2012	2,121	1,871	88	54	24,074	2,920	1,154	166	28,368
2013	2,080	1,701	82	119	27,950	2,528	826	175	31,598
2014	1,995	1,684	84	184	22,845	3,916	572	185	27,702
2015	1,798	1,596	89	195	16,334	3,249	1,218	271	21,267
2016	1,779	1,592	89	135	21,307	2,267	727	160	24,596
2017	1,728	1,538	89	80	22,836	1,919	446	278	25,559
2018	1,573	1,404	89	97	14,142	3,241	449	190	18,119
2019	1,390	1,245	90	104	9,618	2,396	927	257	13,302
2020	1,324	1,180	89	111	16,617	2,806	736	150	20,420
2021	1,288	1,140	89	134	14,230	2,074	503	300	17,241
2022	1,265	1,059	84	75	11,799	1,865	492	282	14,513
<u>Recent 10-year average</u>									
2012–2021	1,708	1,495	88	121	18,995	2,732	756	213	22,817
<u>Species composition by percent</u>				1%	83%	12%	3%	1%	100%
<u>Averages – previous decades:</u>									
2010–2019	1,870	1,652	88	124	21,510	2,897	874	212	25,493
2000–2009	2,131	1,886	88	336	28,326	5,819	1,557	363	36,400
<u>Average – overall</u>									
2000–2021	1,937	1,714	88	220	24,055	4,183	1,161	282	29,901

Source: 2000 to 2022 data is from the ADF&G Kodiak Office subsistence permit database.

Table 14.—Retention of salmon taken in commercial salmon fisheries but not sold, by species, for the Kodiak Management Area, 1997–2023.

Year	Permits	Landings	Number of salmon <sup>a</sup>					Total
			Chinook	Sockeye	Coho	Pink	Chum	
1997	10	10	7	678	91	6	2	784
1998	4	5	8	26	9	0	0	43
1999 <sup>b</sup>								
2000 <sup>b</sup>								
2001	9	14	16	465	1,215	0	33	1,729
2002	33	56	57	5,447	7,542	566	0	13,612
2003 <sup>c</sup>	36	87	72	11,025	12,310	1,492	86	24,985
2004	13	39	8	3,052	290	253	10	3,613
2005	16	37	54	4,432	811	4,385	11	9,693
2006	31	52	100	1,442	2,786	1,140	128	5,596
2007	13	25	26	1,577	520	2,246	8	4,377
2008	19	40	76	2,513	681	0	0	3,270
2009	23	38	49	1,393	936	1,002	6	3,386
2010	42	75	160	2,330	2,976	6,267	15	11,748
2011	57	117	161	1,314	2,009	6,390	67	9,941
2012	57	137	195	4,116	1,971	1,413	31	7,726
2013	64	152	592	3,032	1,164	5,721	1,067	11,576
2014	77	159	189	3,371	2,230	3,035	18	8,843
2015	70	155	293	3,231	1,551	4,008	740	9,823
2016	63	133	239	3,270	1,175	571	172	5,427
2017	71	180	313	3,928	4,125	4,902	100	13,368
2018	75	165	92	3,802	2,630	214	36	6,774
2019	80	170	369	2,897	2,985	7,910	280	14,441
2020	61	112	377	3,439	3,660	4,760	775	13,011
2021	75	162	623	4,740	3,759	9,772	122	19,016
2022	68	124	543	5,251	1,397	9,000	681	16,872
2023	84	169	297	7,268	7,380	18,686	276	33,907
10-year average								
2013–2022	70	151	363	3,696	2,468	4,989	399	11,915

Source: ADF&G fish ticket database.

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

<sup>b</sup> Confidential data.

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

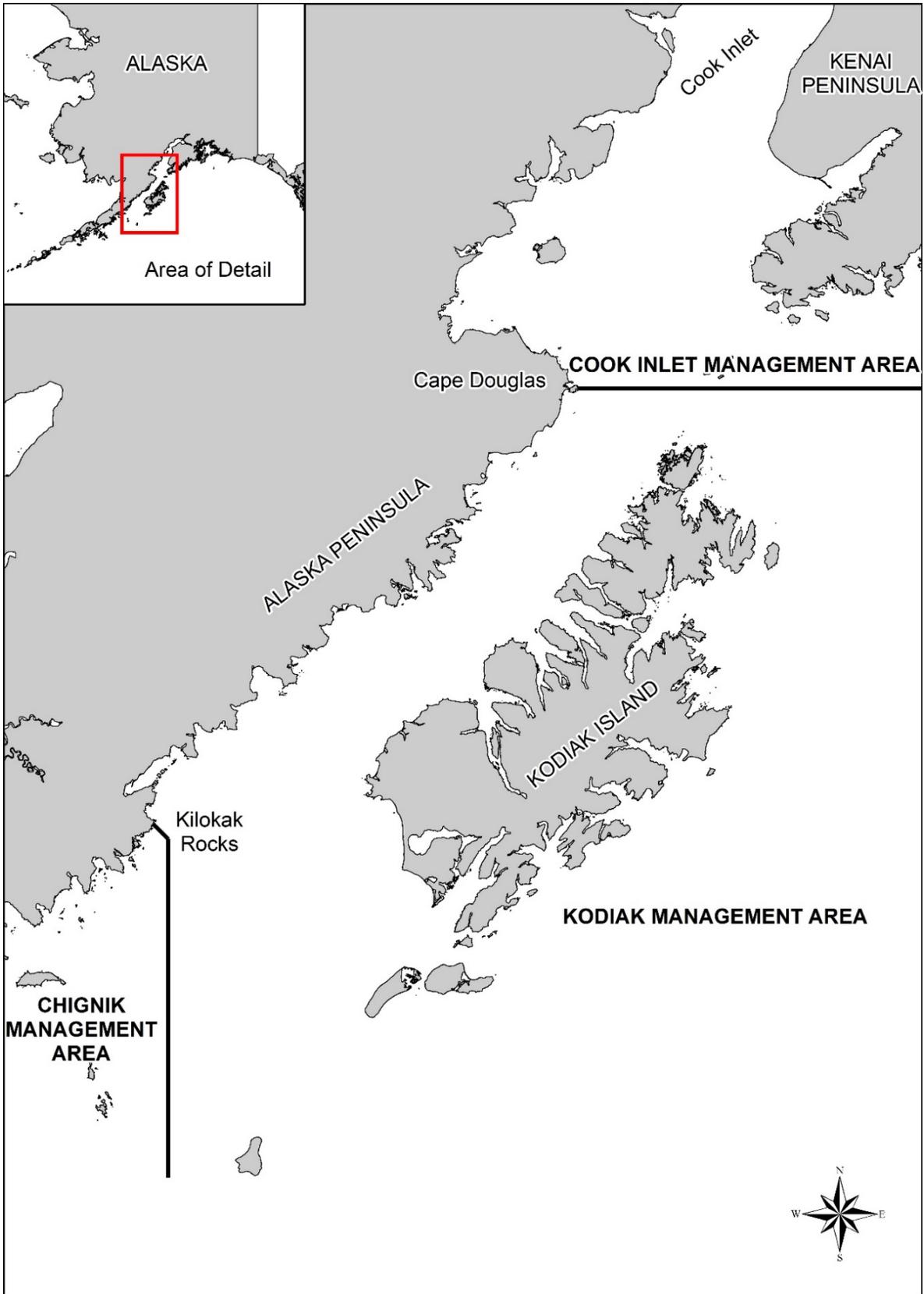


Figure 1.—Map of the Kodiak Management Area and neighboring management areas, 2023.

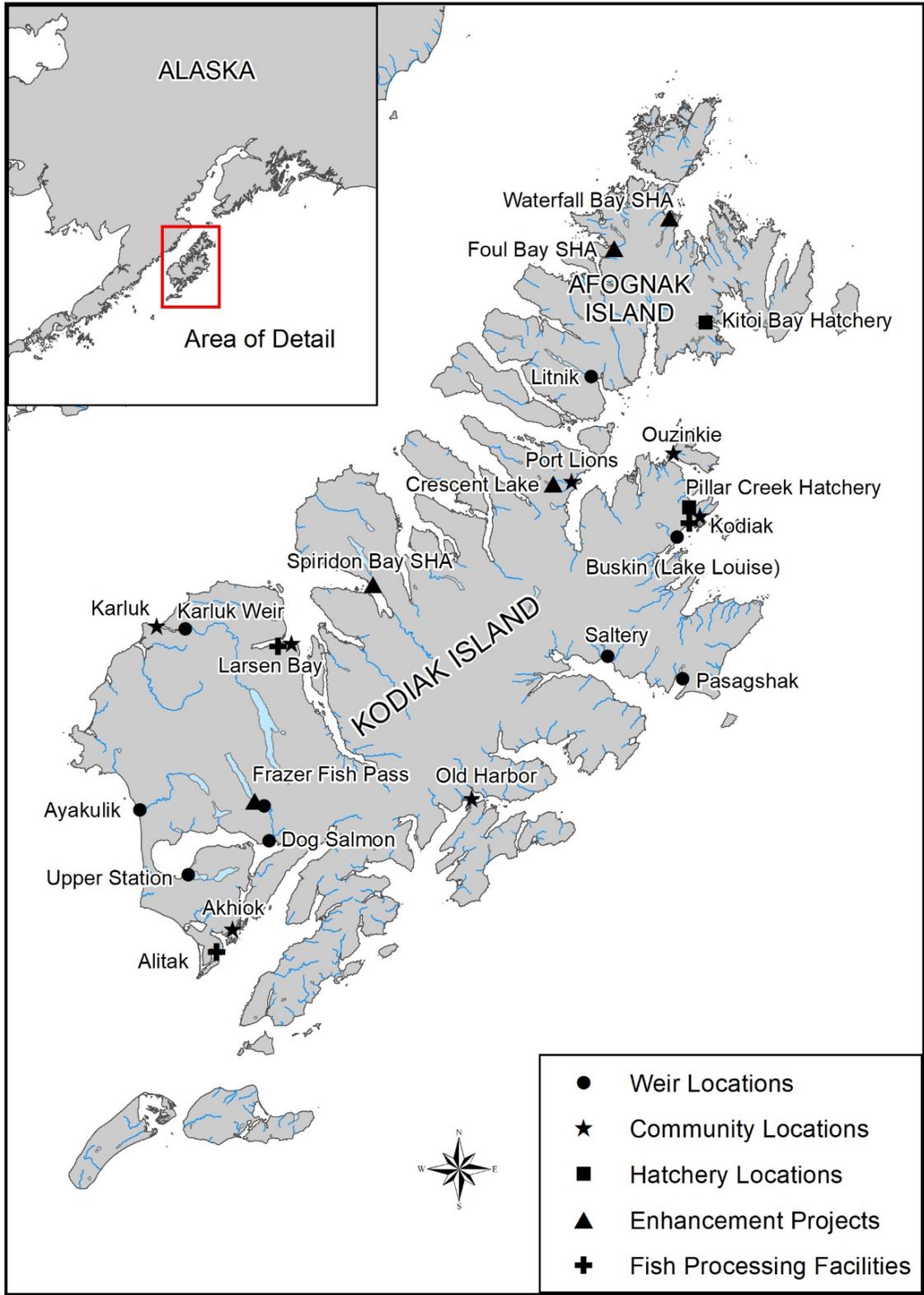


Figure 2.—Map of the Kodiak Archipelago showing communities, fish processing facilities, sockeye salmon enhancement projects, and weir and hatchery locations in the Kodiak Management Area, 2023.

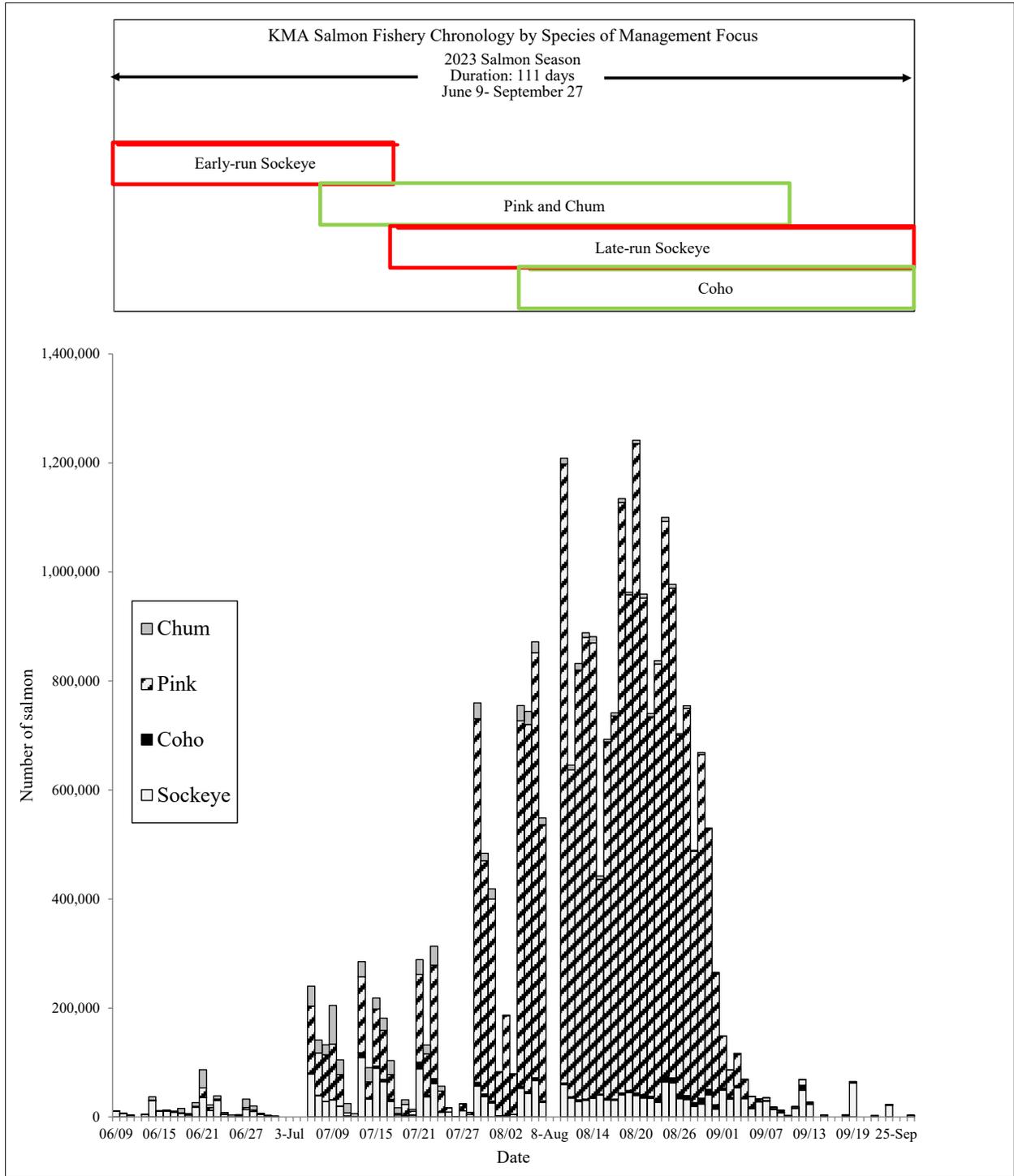
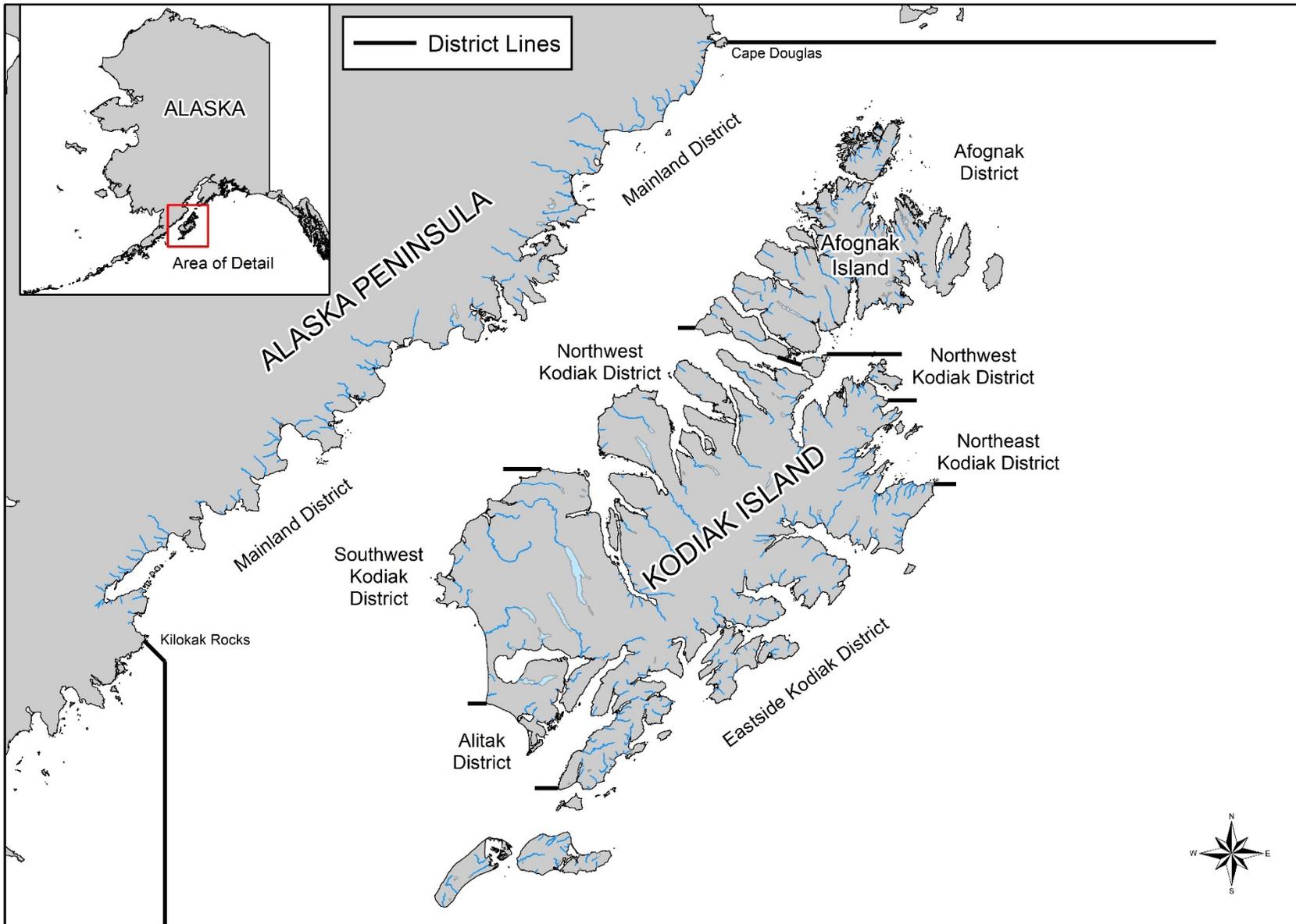


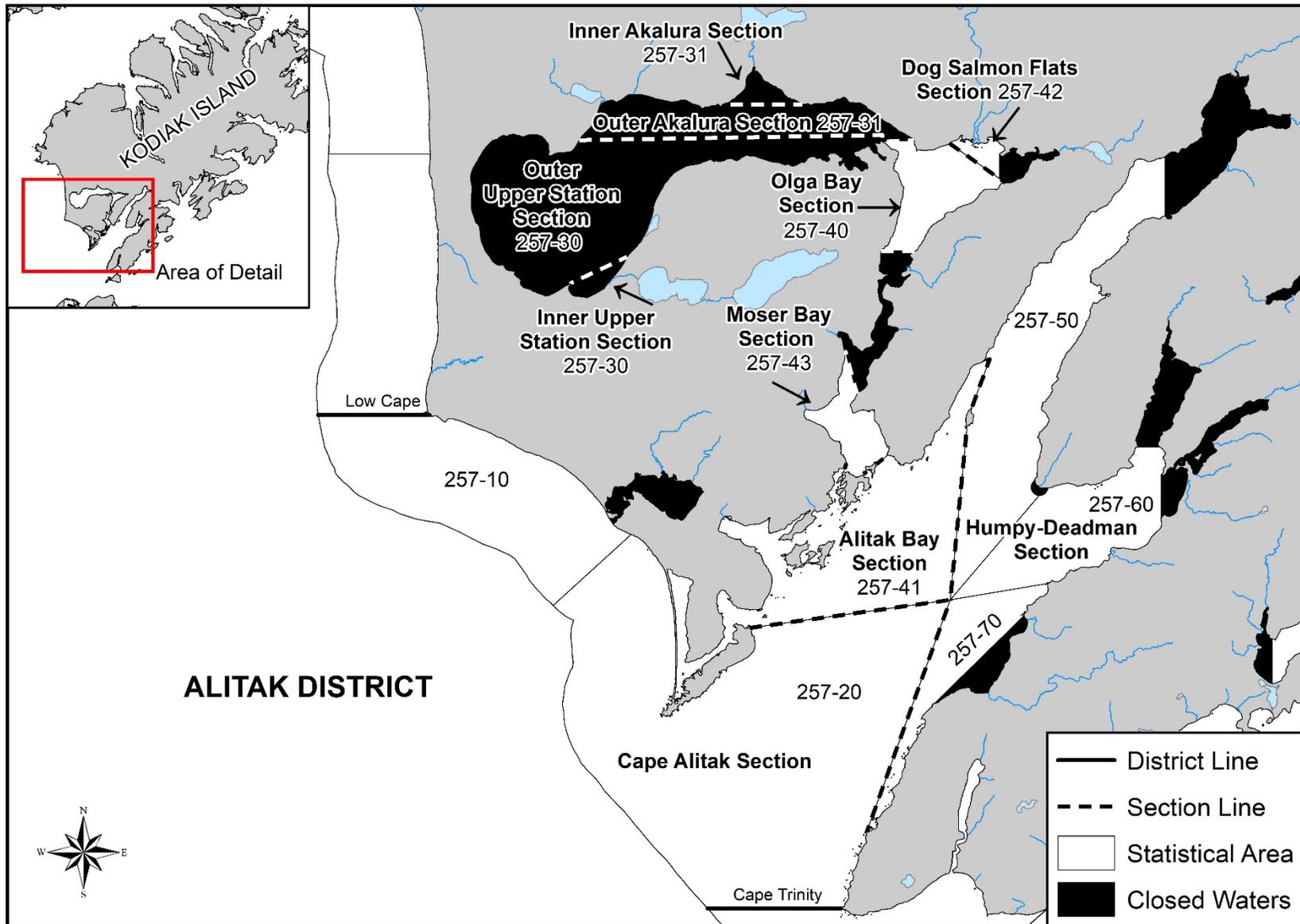
Figure 3.—Commercial salmon fishery chronology and daily harvest by date and species of management focus, Kodiak Management Area, 2023.

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

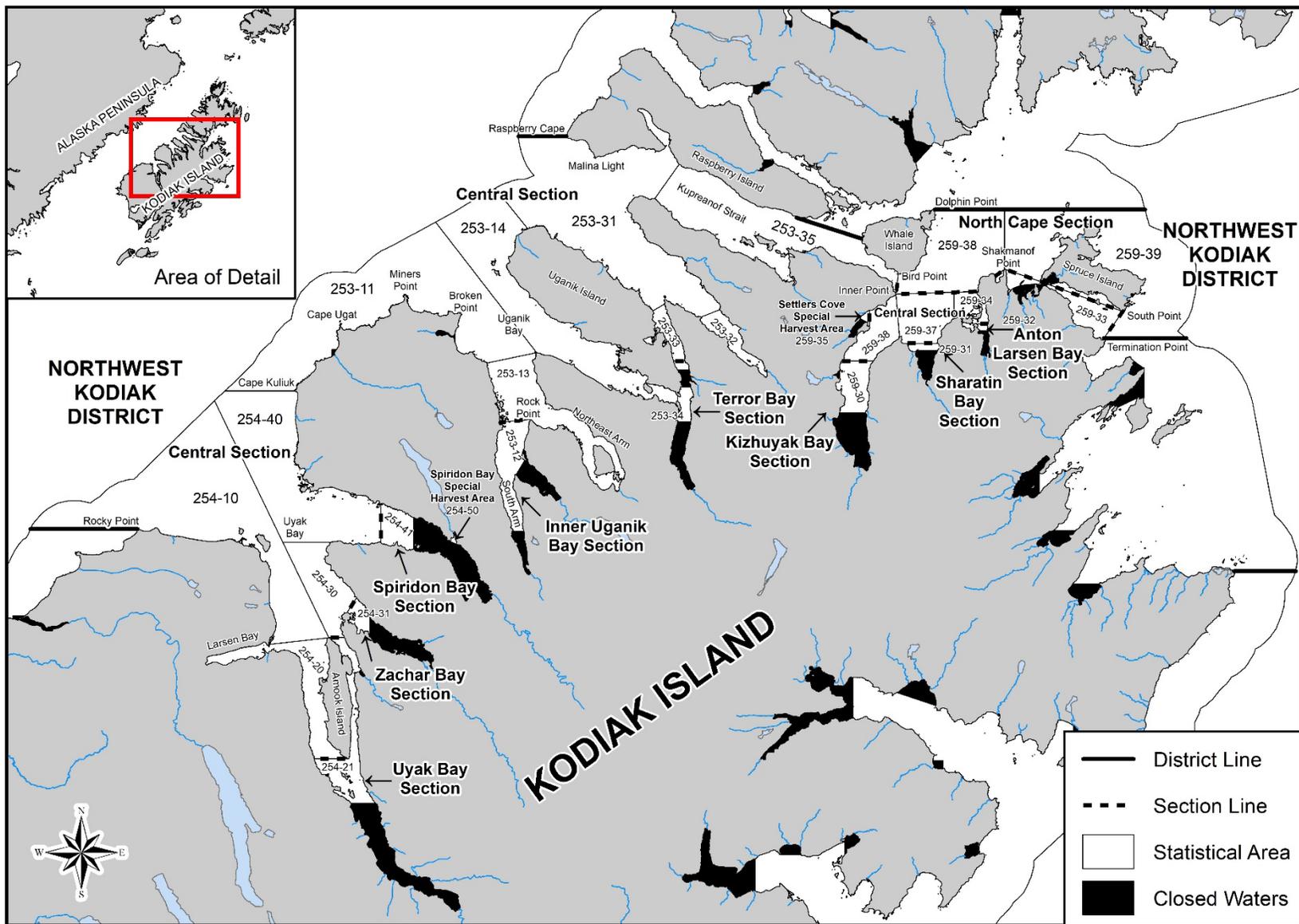
Appendix A1.—Map of the Kodiak Management Area commercial salmon fishing districts.



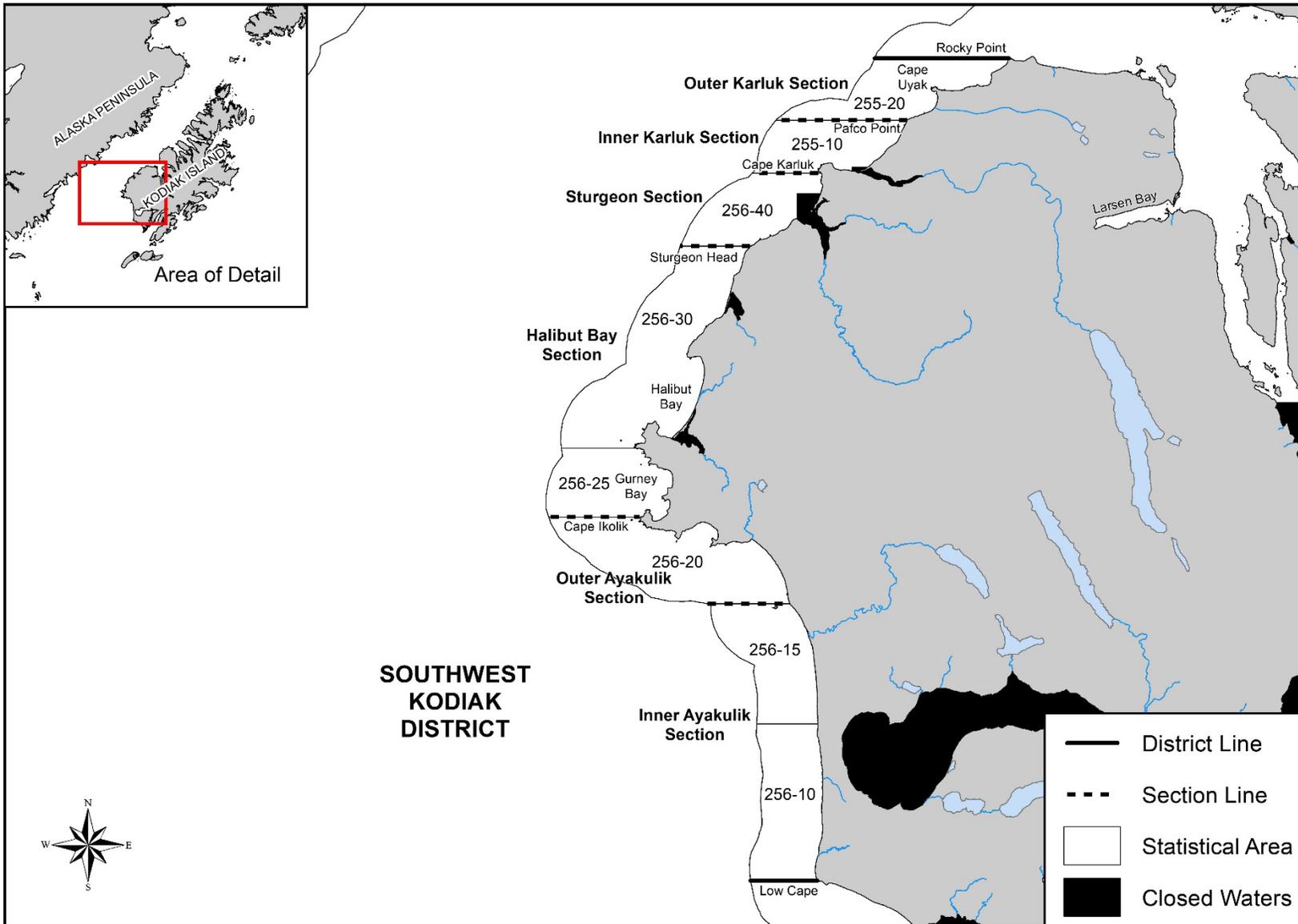
Appendix A2.—Map of the Alitak District commercial salmon fishing sections and statistical areas.



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

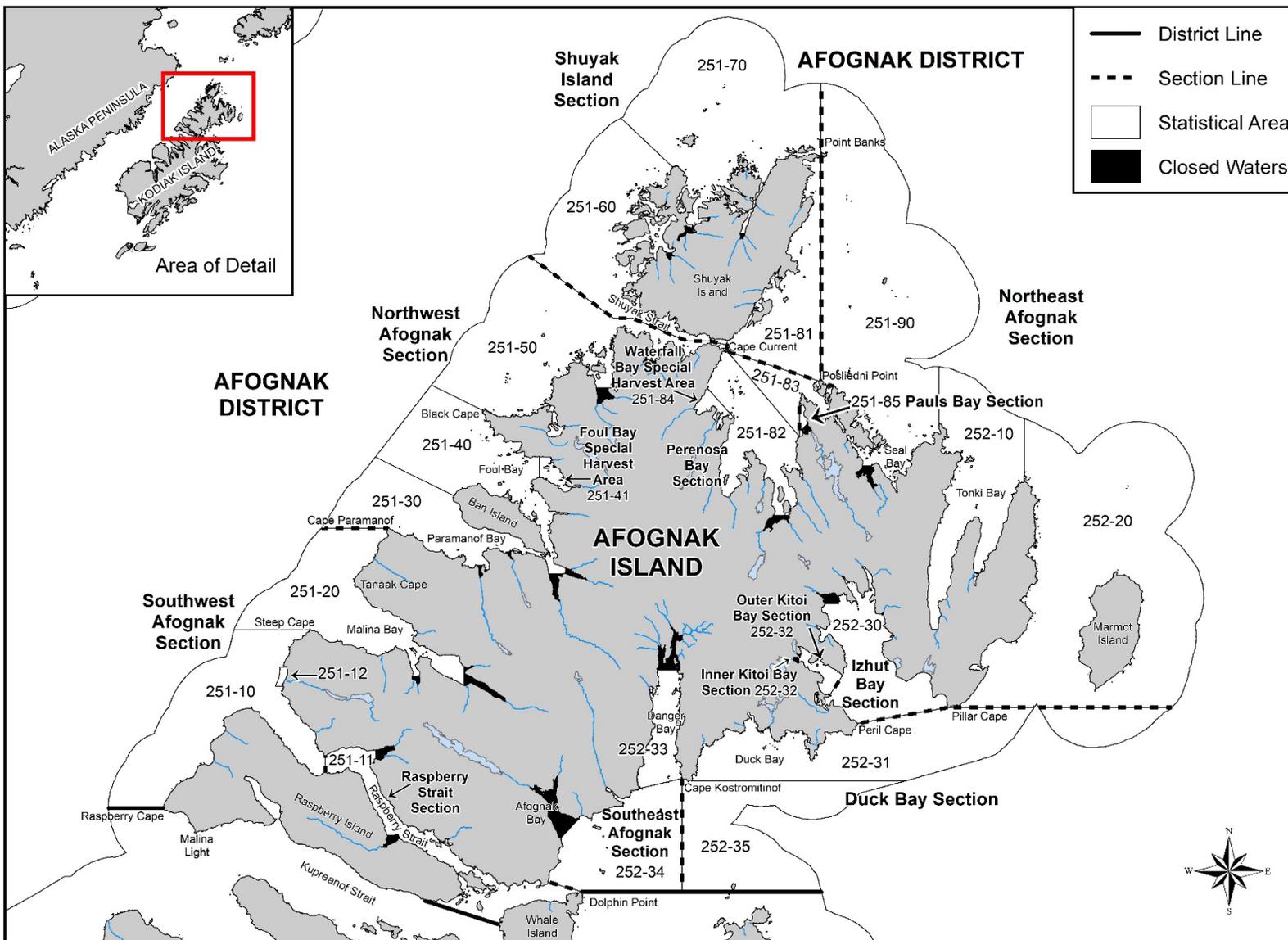


Appendix A4.—Map of the Southwest Kodiak District commercial salmon fishing sections and statistical areas.

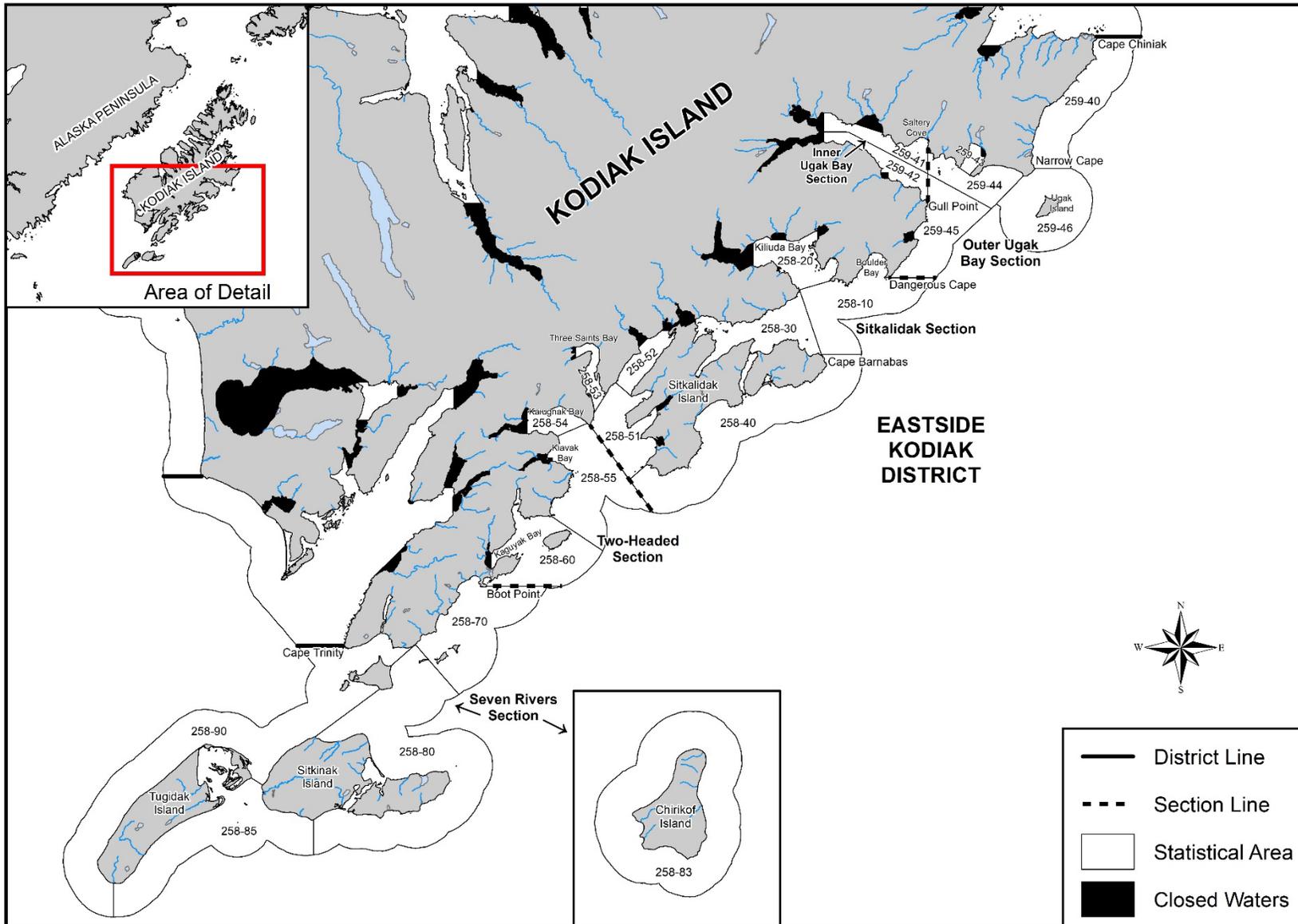




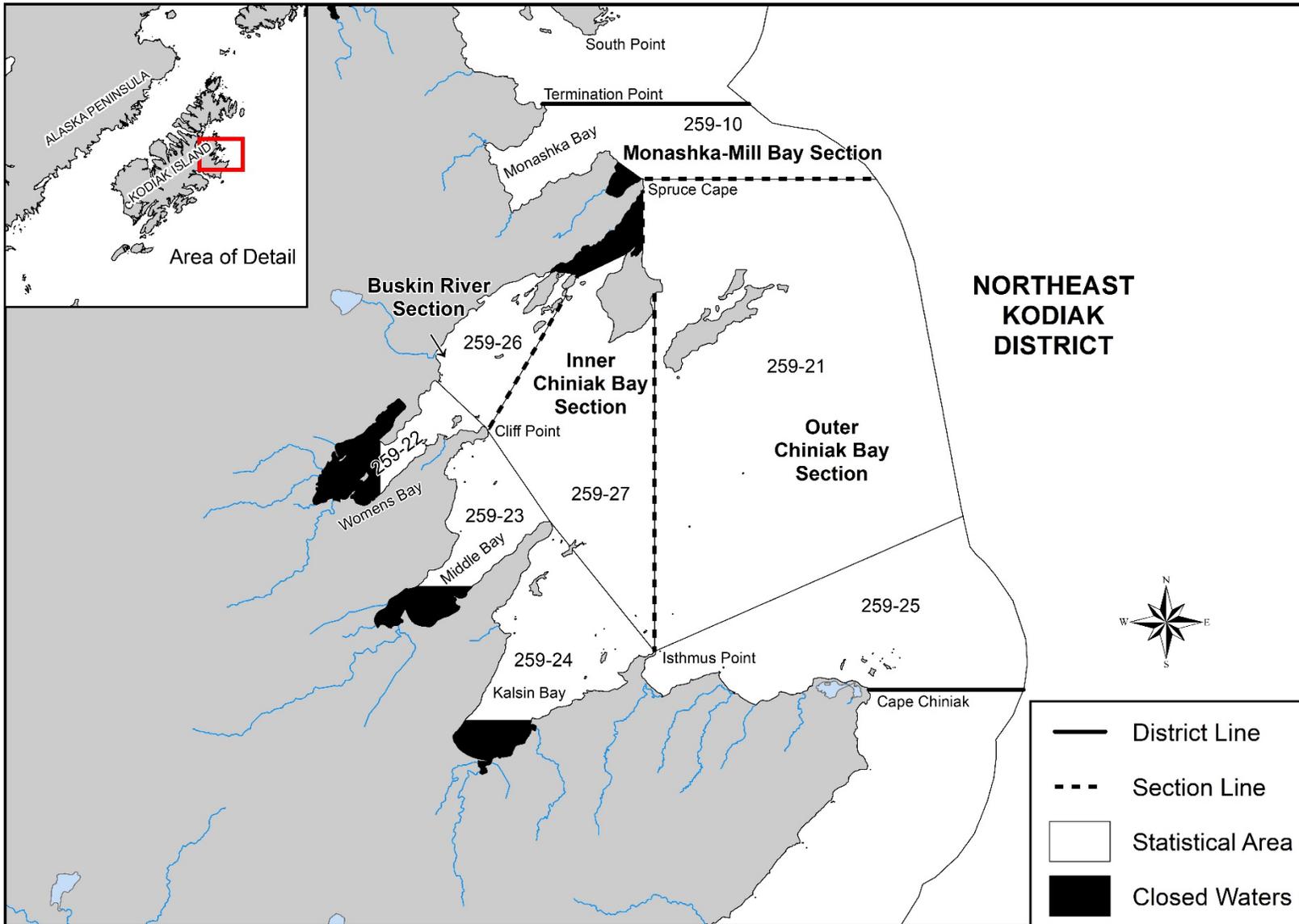
Appendix A6.—Map of the Afognak District commercial salmon fishing sections and statistical areas.



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



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





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

Appendix B1.–Commercial salmon fishing time, by district and section, in the Kodiak Management Area, 2023.

Districts/Sections		6/1	6/2	6/3	6/4	6/5	6/6	6/7	6/8	6/9	6/10	6/11	6/12	6/13	6/14	6/15	6/16	6/17	6/18	6/19	6/20	6/21	6/22	6/23	6/24	6/25	6/26	6/27	6/28	6/29	6/30			
Northwest Kodiak	Central																																	
	North Cape																																	
	Anton Larsen																																	
	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																																	
		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			
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.

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

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Appendix B1.–Page 3 of 8.

Districts/Sections		7/1	7/2	7/3	7/4	7/5	7/6	7/7	7/8	7/9	7/10	7/11	7/12	7/13	7/14	7/15	7/16	7/17	7/18	7/19	7/20	7/21	7/22	7/23	7/24	7/25	7/26	7/27	7/28	7/29	7/30	7/31			
Northwestern Kodiak	Central																																		
	North Cape																																		
	Anton Larsen																																		
	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 4 of 8.

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

fishing time in entire section 

fishing time in partial section 

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Appendix B1.-Page 5 of 8.

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

fishing time in entire section 

fishing time in partial section 

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Appendix B1.-Page 6 of 8.

<i>Districts/Sections</i>		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		
<b>Northeast Kodiak</b>	Outer Chiniak																																	
	Inner Chiniak																																	
	Buskin River																																	
	Monashka-Mill Bay																																	
<b>Afognak</b>	Southeast Afognak																																	
	Duck Bay																																	
	Izhut Bay																																	
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	Foul Bay SHA																																	
	Southwest Afognak																																	
	Malina THA																																	
	Raspberry Strait																																	
<b>Mainland</b>	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		
North west Kodiak	Central																																
	North Cape																																
	Anton Larsen																																
	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																																
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	Inner Upper Station																																
Eastside Kodiak	Seven Rivers																																
	Two Headed																																
	Sitkalidak																																
	Outer Ugak Bay																																
	Inner Ugak Bay																																
fishing time in entire section																																	
fishing time in partial section																																	

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Appendix B1.–Page 8 of 8.

<i>Districts/Sections</i>		9/1	9/2	9/3	9/4	9/5	9/6	9/7	9/8	9/9	9/10	9/11	9/12	9/13	9/14	9/15	9/16	9/17	9/18	9/19	9/20	9/21	9/22	9/23	9/24	9/25	9/26	9/27	9/28	9/29	9/30	
Northeast Koodiak	Outer Chiniak																															
	Inner Chiniak																															
	Buskin River																															
	Monashka-Mill Bay																															
A fognak	Southeast A fognak																															
	Duck Bay																															
	Izhut Bay																															
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	Dakavak Bay																															
	Katmai																															
	Alinchak																															
	Cape Igvak																															
	Wide Bay																															

fishing time in entire section 

fishing time in partial section 

Appendix B2.—Summary of emergency orders issued in the Kodiak Management Area, 2023.

E.O. #	Issued	Effective	Action in Effect
1	10:00 AM 6/6/23	Noon 6/9/23	<p><u>Opening</u> for 57 hours, until 9:00 PM 6/11:</p> <ul style="list-style-type: none"> <li>• Central and North Cape Sections</li> </ul> <p><u>Opening</u> for 33 hours, until 9:00 PM 6/10:</p> <ul style="list-style-type: none"> <li>• Anton Larsen Bay, Sharatin Bay, Kizhuyak Bay, Terror Bay, Inner Uganik Bay, Spiridon Bay, Zachar Bay, and Uyak Bay Sections</li> </ul> <p>Noon 6/9/23</p> <p><u>Opening</u> until further notice:</p> <ul style="list-style-type: none"> <li>• Inner Kitoi, Outer Kitoi, Duck Bay, and Izhut Bay Sections</li> <li>• Foul Bay Special Harvest Area</li> <li>• Waterfall Bay Special Harvest Area</li> </ul> <p><u>Closed water adjustments:</u> Reduced until further notice in Foul Bay, Waterfall Bay, and Kitoi Bay</p> <p><u>Nonretention</u> of Chinook salmon 28 inches or greater in length until further notice</p>
2	10:00 AM 6/12/23	Noon 6/13/23  Noon 6/14/23	<p><u>Opening</u> for 57 hours, until 9:00 PM 6/15:</p> <ul style="list-style-type: none"> <li>• Central and North Cape Sections</li> </ul> <p><u>Opening</u> for 33 hours, until 9:00 PM 6/15:</p> <ul style="list-style-type: none"> <li>• Southwest Afognak Section</li> <li>• Anton Larsen Bay, Sharatin Bay, Kizhuyak Bay, Terror Bay, Inner Uganik Bay, Spiridon Bay, Zachar Bay, and Uyak Bay Sections</li> <li>• Cape Alitak, Humpy-Deadman, Alitak Bay, Moser Bay, and Olga Bay Sections</li> <li>• Northwest Afognak, Pauls Bay, and Perenosa Bay Sections</li> <li>• Eastside Kodiak District</li> <li>• Big River and Outer Kukak Bay Sections</li> </ul> <p><u>Closed water adjustments:</u> Reduced from noon 6/14 until 9:00 PM 6/15 at Kaflia Creek Reduced from 6/14 until 9:00 PM 6/15 at Saltery Creek</p>
3	10:00 AM 6/14/23	9:00 PM 6/15/23	<p><u>Extension</u> for 72 hours, until 9:00 PM 6/18:</p> <ul style="list-style-type: none"> <li>• Central and North Cape Sections</li> <li>• Southwest Afognak Section</li> </ul> <p><u>Opening</u> for 81 hours, until 9:00 PM 6/18:</p> <ul style="list-style-type: none"> <li>• Outer Karluk Section</li> </ul>
4	10:00 AM 6/15/23	9:00 PM 6/15/23	<p><u>Extension</u> for 24 hours, until 9:00 PM 6/16:</p> <ul style="list-style-type: none"> <li>• Cape Alitak, Humpy-Deadman, Alitak Bay, Moser Bay, and Olga Bay Sections</li> </ul>
5	10:00 AM 6/16/23	9:00 PM 6/16/23  9:00 PM 6/18/23	<p><u>Extension</u> for 24 hours, until 9:00 PM 6/17:</p> <ul style="list-style-type: none"> <li>• Cape Alitak, Humpy-Deadman, Alitak Bay, Moser Bay, and Olga Bay Sections</li> </ul> <p><u>Extension</u> for 48 hours, until 9:00 PM 6/20:</p> <ul style="list-style-type: none"> <li>• Outer Karluk Section</li> <li>• Central and North Cape Sections</li> <li>• Southwest Afognak Section</li> </ul>

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E.O. #	Issued	Effective	Action in Effect
6	10:00 AM 6/19/23	Noon 6/20/23	<u>Opening</u> for 57 hours until 9:00 PM 6/22: <ul style="list-style-type: none"> <li>• Cape Alitak, Humpy-Deadman, Alitak Bay, Moser Bay, and Olga Bay Sections</li> </ul>
		9:00 PM 6/20/23	<u>Extension</u> for 48 hours, until 9:00 PM 6/22: <ul style="list-style-type: none"> <li>• Outer Karluk Section</li> <li>• Central and North Cape Sections</li> <li>• Southwest Afognak Section</li> </ul>
		Noon 6/21/23	<u>Opening</u> for 33 hours to 9:00 PM 6/22: <ul style="list-style-type: none"> <li>• Northwest Afognak, Pauls Bay, and Perenosa Bay Sections</li> <li>• Eastside Kodiak District</li> <li>• Big River and Outer Kukak Bay Sections</li> </ul> <p><u>Closed water adjustments:</u>                      Reduced until 9:00 PM 6/22 at Kafli Creek (stream #262-301)                      Reduced until 9:00 PM 6/22 at Saltery Creek (stream #259-415)</p>
7	10:00 AM 6/21/23	9:00 PM 6/22/23	<u>Closure</u> in the following area: <ul style="list-style-type: none"> <li>• Inner Kitoi Bay</li> </ul>
		9:00 PM 6/22/23	<u>Closed water adjustments:</u> Reduced until 9:00 PM 6/22 at Big Kitoi Creek (stream #252-323) and Little Kitoi Creek (stream #252-324)
8	10:00 AM 6/22/23	9:00 PM 6/22/23	<u>Extension</u> for 48 hours until 9:00 PM 6/24: <ul style="list-style-type: none"> <li>• Cape Alitak, Humpy-Deadman, Alitak Bay, Moser Bay, and Olga Bay Sections</li> <li>• Outer Karluk Section</li> <li>• Central and North Cape Sections</li> <li>• Southwest Afognak Section</li> </ul>
		Noon 6/23/23	<u>Opening</u> for 33 hours until 9:00 PM 6/24: <ul style="list-style-type: none"> <li>• Outer Ayakulik Section</li> </ul>
9	10:00 AM 6/23/23	9:00 PM 6/24/23	<u>Closure</u> in the following area: <ul style="list-style-type: none"> <li>• Outer Kitoi Section</li> </ul>
10	10:00 AM 6/26/23	Noon 6/27/23	<u>Opening</u> for 57 hours until 9:00 PM 6/29: <ul style="list-style-type: none"> <li>• Cape Alitak, Humpy-Deadman, Alitak Bay, Moser Bay, and Olga Bay Sections</li> </ul>
11	10:00 AM 6/27/23	9:00 PM 6/28/23	<u>Closure in the following area:</u> <ul style="list-style-type: none"> <li>• Izhut Bay Section</li> </ul>
12	10:00 AM 7/1/23	9:00 PM 7/2/23	<u>Closure in the following area:</u> <ul style="list-style-type: none"> <li>• Duck Bay Section</li> </ul>

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E.O. #	Issued	Effective	Action in Effect
13	11:05 AM 7/4/23	Noon 7/6/23	<p><u>Opening</u> for 105 hours until 9:00 PM 7/10:</p> <ul style="list-style-type: none"> <li>• Outer Karluk Section</li> <li>• Northwest Kodiak District (except the Kizhuyak Bay Section)</li> <li>• Northeast Kodiak District (except the Buskin River Section)</li> <li>• Eastside Kodiak District (except a portion of Pasagshak Bay)</li> <li>• Afognak District (except Duck Bay Section closes at 9:00 PM 7/8 and Izhut Bay, Inner Kitoi Bay, and Outer Kitoi Bay Sections remain closed)</li> </ul>
		Noon 7/6/23	<p><u>Opening</u> for 57 hours until 9:00 PM 7/8:</p> <ul style="list-style-type: none"> <li>• Cape Alitak, Humpy-Deadman, Alitak Bay, Moser Bay, and Olga Bay Sections</li> <li>• Outer Ayakulik and Halibut Bay Sections</li> <li>• Mainland District</li> <li>• Duck Bay Section</li> </ul>
		9:00 PM 7/10/23	<p><u>Closure</u> in the following areas:</p> <ul style="list-style-type: none"> <li>• Foul Bay Special Harvest Area</li> <li>• Waterfall Bay Special Harvest Area</li> </ul> <p><u>Closed water adjustments:</u> Return to normal closed waters from noon 7/6 to 9:00 PM 7/10 at Saltery Creek (stream #259-415) Reduced until 9:00 PM 7/10 in Foul Bay at Hidden Lake Creek (stream #251-406), Waterfall Bay at Little Waterfall Creek (stream #251-822), and Big Waterfall Creek (#251-821)</p>
14	10:20 AM 7/8/23	9:00 PM 7/8/23	<p><u>Extension</u> for 48 hours, until 9:00 PM 7/10:</p> <ul style="list-style-type: none"> <li>• Duck Bay Section</li> </ul>
		Noon 7/9/23	<p><u>Opening</u> for 33 hours until 9:00 PM 7/10:</p> <ul style="list-style-type: none"> <li>• Izhut Bay Section</li> </ul>
15	10:00 AM 7/10/23	9:00 PM 7/10/23	<p><u>Extension</u> for 48 hours, until 9:00 PM 7/12:</p> <ul style="list-style-type: none"> <li>• Duck Bay and Izhut Bay Sections</li> </ul>
16	10:00 AM 7/12/23	Noon 7/13/23	<p><u>Opening</u> for 105 hours until 9:00 PM 7/17:</p> <ul style="list-style-type: none"> <li>• Northwest Kodiak District (except Kizhuyak Bay Section)</li> <li>• Northeast Kodiak District (except Buskin River Section)</li> <li>• Eastside Kodiak District (except Pasagshak Bay)</li> <li>• Afognak District (except Duck Bay, Izhut Bay, Inner Kitoi Bay, and Outer Kitoi Bay Sections)</li> </ul> <p><u>Opening</u> for 57 hours until 9:00 PM 7/15:</p> <ul style="list-style-type: none"> <li>• Outer Ayakulik and Halibut Bay Sections</li> <li>• Mainland District</li> </ul> <p><u>Closed water adjustments:</u> Return to normal closed waters from noon 7/13 to 9:00 PM 7/17 at Saltery Creek (stream #259-415)</p>

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E.O. #	Issued	Effective	Action in Effect
17	10:00 AM 7/13/23	Noon 7/14/23	<p><u>Opening</u> until further notice:</p> <ul style="list-style-type: none"> <li>• Spiridon Bay Special Harvest Area</li> </ul> <p><u>Opening</u> for 81 hours until 9:00 PM 7/17:</p> <ul style="list-style-type: none"> <li>• Duck Bay and Izhut Bay Sections</li> </ul>
18	08:30 AM 7/15/23	11:30 AM 7/15/23	<p><u>Closure</u> in the following areas:</p> <ul style="list-style-type: none"> <li>• The Seaward Zones of the Alinchak Bay, Katmai, Dakavak Bay, Outer Kukak Bay, Hallo Bay, and Big River Sections</li> <li>• Northwest Afognak and Shuyak Island Sections</li> </ul> <p>9:00 PM 7/15/23</p> <p><u>Extension</u> for 48 hours, until 9:00 PM 7/17:</p> <ul style="list-style-type: none"> <li>• Outer Ayakulik and Halibut Bay Sections</li> </ul>
19	9:30 AM 7/16/23	Noon 7/17/23	<p><u>Opening</u> for 81 hours until 9:00 PM 7/20:</p> <ul style="list-style-type: none"> <li>• Outer Kitoi Bay Section</li> </ul> <p><u>Extension</u> for 72 hours until 9:00 PM 7/20:</p> <ul style="list-style-type: none"> <li>• Duck Bay and Izhut Bay Sections</li> </ul>
20	10:00 AM 7/17/23	Noon 7/18/23	<p><u>Opening</u> for 57 hours until 9:00 PM 7/20:</p> <ul style="list-style-type: none"> <li>• Inner Kitoi Bay Section</li> </ul> <p><u>Closed water adjustments:</u> Closed waters in Inner Kitoi Bay will be the ADF&amp;G markers located in Little Kitoi and Big Kitoi Bays (near stream #s 252-323 and 252-324)</p>
21	2:00 PM 7/17/23	5:00 PM 7/17/23	<p><u>Closure</u> in the following area:</p> <ul style="list-style-type: none"> <li>• The Seaward Zones of the Southwest Afognak Section</li> </ul>
22	10:00 AM 7/19/23	9:00 PM 7/20/23	<p><u>Extension</u> for 96 hours until 9:00 PM 7/24:</p> <ul style="list-style-type: none"> <li>• Inner Kitoi Bay, Outer Kitoi Bay, Duck Bay and Izhut Sections</li> </ul> <p>Noon 7/21/23</p> <p><u>Opening</u> for 81 hours until 9:00 PM 7/24:</p> <ul style="list-style-type: none"> <li>• Northwest Kodiak District (except Uyak Bay, Zachar Bay, and Inner Uganik Bay Sections)</li> <li>• Northeast Kodiak District (except the Buskin River Section)</li> <li>• Eastside Kodiak District (except Pasagshak Bay)</li> <li>• Humpy-Deadman Section</li> <li>• Southeast Afognak, Southwest Afognak, Northwest Afognak, Raspberry Strait, Shuyak Island, Pauls Bay, Perenosa Bay, and Northeast Afognak Sections</li> </ul> <p><u>Opening</u> for 57 hours until 9:00 PM 7/23:</p> <ul style="list-style-type: none"> <li>• Cape Alitak, Alitak Bay, Moser Bay, and Olga Bay Sections</li> <li>• Outer Ayakulik and Halibut Bay Sections</li> <li>• Mainland District</li> </ul> <p><u>Closed water adjustments:</u> Reduced to stream terminus for 81 hours from noon 7/21 until 9:00 PM 7/24 at Saltery Creek (stream #259-415) Reduced to ADFG markers in Inner Kitoi Bay (streams #252-323 and #252-324)</p>

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E.O. #	Issued	Effective	Action in Effect
23	11:30 AM 7/26/23	Noon 7/29/23	<p><u>Opening</u> for 57 hours, until 9:00 PM 7/31:</p> <ul style="list-style-type: none"> <li>• Northwest Kodiak District (except Uyak Bay, Zachar Bay, and Inner Uganik Bay Sections)</li> <li>• Northeast Kodiak District (except Buskin River Section)</li> <li>• Eastside Kodiak District</li> <li>• Cape Alitak, Humpy-Deadman, Alitak Bay, Moser Bay, and Olga Bay Sections</li> <li>• Afognak District</li> <li>• Mainland District</li> </ul> <p><u>Closed water adjustments:</u> Reduced to stream terminus for 57 hours from noon 7/29 until 9:00 PM 7/31 at Saltery Creek (stream #259-415)</p> <p><u>Reopen</u> in the following areas:</p> <ul style="list-style-type: none"> <li>• The Seaward Zones of the Southwest Afognak Section</li> </ul>
24	10:00 AM 7/31/23	9:00 PM 7/31/23	<p><u>Extension</u> for 72 hours until 9:00 PM 8/3:</p> <ul style="list-style-type: none"> <li>• Inner Kitoi Bay, Outer Kitoi Bay and Izhut Bay Sections</li> </ul>
25	10:00 AM 8/2/23	Noon 8/4/23	<p><u>Opening</u> for 57 hours, until 9:00 PM 8/6:</p> <ul style="list-style-type: none"> <li>• Outer Karluk and Halibut Bay Sections</li> <li>• Northwest Kodiak District (except Uyak Bay and Inner Uganik Bay Sections)</li> <li>• Northeast Kodiak District</li> <li>• Eastside Kodiak District (normal closed waters at Saltery Creek)</li> <li>• Cape Alitak, Humpy-Deadman, Alitak Bay, Moser Bay, and Olga Bay Sections</li> <li>• Duck Bay, Southeast Afognak, Southwest Afognak, Northwest Afognak, Raspberry Strait, and Northeast Afognak Sections</li> <li>• Mainland District</li> </ul>
26	10:00 AM 8/5/23	Noon 8/6/23  9:00 PM 8/6/23	<p><u>Opening</u> for 33 hours until 9:00 PM 8/7:</p> <ul style="list-style-type: none"> <li>• Outer Ayakulik Section</li> </ul> <p><u>Closure</u> until further notice:</p> <ul style="list-style-type: none"> <li>• Spiridon Bay Special Harvest Area</li> </ul> <p><u>Extension</u> for 24 hours until 9:00 PM 8/7:</p> <ul style="list-style-type: none"> <li>• Outer Karluk and Halibut Bay Sections</li> <li>• The Northwest Kodiak District (except Uyak Bay and Inner Uganik Bay Sections)</li> <li>• Cape Alitak, Alitak Bay, Moser Bay, and Olga Bay Sections</li> <li>• Southwest Afognak and Duck Bay Sections</li> </ul>
27	10:00 AM 8/6/23	9:00 PM 8/6/23	<p><u>Extension</u> for 24 hours until 9:00 PM 8/7:</p> <ul style="list-style-type: none"> <li>• Northeast Kodiak District</li> <li>• Eastside Kodiak District</li> </ul>

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E.O. #	Issued	Effective	Action in Effect
28	10:00 AM 8/9/23	Noon 8/10/23	<p><u>Opening</u> for 105 hours until 9:00 PM 8/14:</p> <ul style="list-style-type: none"> <li>• Halibut Bay, Sturgeon Bay, and Outer Karluk Sections</li> <li>• Northwest Kodiak District (except Uyak Bay and Inner Uganik Bay Sections)</li> <li>• Northeast Kodiak District</li> <li>• Eastside Kodiak District</li> <li>• Southwest Afognak, Northwest Afognak, Raspberry Strait, and Northeast Afognak Sections</li> </ul>
		Noon 8/10/23	<p><u>Opening</u> for 57 hours until 9:00 PM 8/12:</p> <ul style="list-style-type: none"> <li>• Southeast Afognak, Duck Bay, Izhut Bay, and Outer Kitoi Bay Sections</li> <li>• Outer Ayakulik Section</li> <li>• Cape Alitak, Humpy-Deadman, Alitak Bay, Moser Bay, and Olga Bay Sections</li> <li>• Spiridon Bay Special Harvest Area</li> </ul> <p><u>Closed Waters Adjustments:</u> Expanded until further notice within one-half nautical mile of terminus of Malina Creek (stream #252-105)</p>
29	10:00 AM 8/12/23	9:00 PM 8/12/23	<p><u>Extension</u> for 24 hours until 9:00 PM 8/13:</p> <ul style="list-style-type: none"> <li>• Izhut Bay Section</li> </ul>
			<p><u>Extension</u> for 48 hours until 9:00 PM 8/14:</p> <ul style="list-style-type: none"> <li>• Duck Bay Section</li> <li>• Outer Ayakulik Section</li> <li>• Cape Alitak, Humpy-Deadman, Alitak Bay, Moser Bay, and Olga Bay Sections</li> <li>• Spiridon Bay Special Harvest Area</li> </ul> <p><u>Closure</u> in the following area:</p> <ul style="list-style-type: none"> <li>• Outer Kitoi Bay and Southeast Afognak Sections</li> </ul>
30	10:00 AM 8/14/23	9:00 PM 8/14/23	<p><u>Extension</u> for 45 hours, until 6:00 PM 8/16:</p> <ul style="list-style-type: none"> <li>• Southwest Afognak, Northwest Afognak, Raspberry Strait, and Northeast Afognak Sections</li> <li>• Outer Ayakulik, Halibut Bay, Sturgeon, and Outer Karluk Sections</li> <li>• Northwest Kodiak District (except Uyak Bay and Inner Uganik Bay Sections)</li> <li>• Northeast Kodiak District</li> <li>• Eastside Kodiak District</li> </ul>
		Noon 8/15/23	<p><u>Opening</u> for 30 hours, until 6:00 PM 8/16:</p> <ul style="list-style-type: none"> <li>• Inner Karluk Section</li> </ul>
		9:00 PM 8/14/23	<p><u>Closure</u> in the following area:</p> <ul style="list-style-type: none"> <li>• Duck Bay Section</li> </ul>
		Noon 8/16/23	<p><u>Opening</u> for 54 hours until 6:00 PM 8/18:</p> <ul style="list-style-type: none"> <li>• The Duck Bay Section and Izhut Bay Section north of a line from Haystack Rocks to Pillar Cape</li> </ul>

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E.O. #	Issued	Effective	Action in Effect
31	10:00 AM 8/16/23	6:00 PM 8/16/23	<u>Extension</u> for 72 hours until 6:00 PM 8/19: <ul style="list-style-type: none"> <li>• Southwest Afognak, Northwest Afognak, Raspberry Strait, and Northeast Afognak Sections</li> <li>• Outer Ayakulik, Halibut Bay, Sturgeon, and Outer Karluk Sections</li> <li>• Northwest Kodiak District (except Uyak Bay and Inner Uganik Bay Sections)</li> <li>• Northeast Kodiak District</li> <li>• Eastside Kodiak District</li> </ul>
		Noon 8/17/23	<u>Opening</u> for 54 hours until 6:00 PM 8/19: <ul style="list-style-type: none"> <li>• Southeast Afognak, Pauls Bay, Perenosa Bay, and Shuyak Island Sections</li> <li>• Cape Alitak, Humpy-Deadman, Alitak Bay, Moser Bay, and Olga Bay Sections</li> <li>• Mainland District</li> </ul>
32	Noon 8/17/23	Noon 8/18/23	<u>Opening</u> for 30 hours, until 6:00 PM 8/19: <ul style="list-style-type: none"> <li>• Outer Kitoi Bay Section</li> <li>• Inner Karluk Section</li> </ul>
			<u>Opening</u> for 54 hours until 6:00 PM 8/20: <ul style="list-style-type: none"> <li>• Izhut Bay Section south of a line from Haystack Rock to Pillar Cape</li> </ul>
		6:00 PM 8/18/23	<u>Extension</u> for 48 hours until 6:00 PM 8/20: <ul style="list-style-type: none"> <li>• Duck Bay Section</li> <li>• Izhut Bay Section north of a line from Haystack Rock to Pillar Cape</li> </ul>
		6:00 PM 8/19/23	<u>Extension</u> to until further notice: <ul style="list-style-type: none"> <li>• Outer Ayakulik, Outer Karluk, Sturgeon, and Halibut Bay Sections</li> <li>• Northwest Kodiak District (except Uyak Bay and Inner Uganik Bay Sections)</li> </ul>
33	10:00 AM 8/18/23	Noon 8/18/23	<u>Opening</u> for 102 hours until 6:00 PM 8/22: <ul style="list-style-type: none"> <li>• Inner Karluk Section</li> </ul>
		Noon 8/19/23	<u>Closed water adjustments</u> until 6:00 PM 8/22: Reduced to the Karluk Lagoon’s exit channel terminus
		6:00 PM 8/19/23	<u>Extension</u> for 48 hours until 6:00 PM 8/21: <ul style="list-style-type: none"> <li>• Southwest Afognak, Northwest Afognak, Raspberry Strait, and Northeast Afognak Sections</li> <li>• Northeast Kodiak District</li> <li>• Eastside Kodiak District</li> </ul>
34	10:00 AM 8/19/23	6:00 PM 8/19/23	<u>Extension</u> for 48 hours until 6:00 PM 8/21: <ul style="list-style-type: none"> <li>• Cape Alitak, Humpy-Deadman, Alitak Bay, Moser Bay, and Olga Bay Sections</li> <li>• Mainland District</li> </ul>
		6:00 PM 8/20/23	<u>Extension</u> for 24 hours until 6:00 PM 8/21: <ul style="list-style-type: none"> <li>• Duck Bay and Izhut Bay Sections</li> </ul>

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E.O. #	Issued	Effective	Action in Effect
35	10:00 AM 8/21/23	6:00 PM 8/21/23	<u>Extension</u> for 72 hours until 6:00 PM 8/24: <ul style="list-style-type: none"> <li>• Northeast Kodiak District</li> <li>• Eastside Kodiak District</li> <li>• Humpy-Deadman Section</li> <li>• Southwest Afognak and Northeast Afognak Sections</li> </ul>
		Noon 8/23/23	<u>Opening</u> for 30 hours until 6:00 PM 8/24: <ul style="list-style-type: none"> <li>• Duck Bay Section</li> </ul>
36	10:30 AM 8/23/23	Noon 8/23/23	<u>Opening</u> for 78 hours until 6:00 PM 8/26: <ul style="list-style-type: none"> <li>• Duck Bay Section</li> </ul>
		Noon 8/24/23	<u>Opening</u> for 54 hours until 6:00 PM 8/26: <ul style="list-style-type: none"> <li>• Inner Karluk Section</li> <li>• Izhut Bay, Northwest Afognak, and Raspberry Strait Sections</li> <li>• Mainland District</li> <li>• Cape Alitak, Alitak Bay, Moser Bay, and Olga Bay Sections</li> </ul>
		6:00 PM 8/24/23	<u>Extension</u> to until further notice: <ul style="list-style-type: none"> <li>• Northeast Kodiak District</li> <li>• Eastside Kodiak District</li> <li>• Humpy-Deadman Section</li> <li>• Southwest Afognak and Northeast Afognak Sections</li> </ul>
		Noon 8/24/23	<u>Closed water adjustments</u> until 6:00 PM 8/26: Reduced to the Karluk Lagoon’s exit channel terminus
37	Noon 8/23/23	Noon 8/24/23	<u>Opening</u> for 54 hours, until 6:00 PM 8/26: <ul style="list-style-type: none"> <li>• Outer Kitoi Bay Section</li> </ul>
38	10:30 AM 8/25/23	6:00 PM 8/26/23	<u>Extension</u> for 48 hours until 6:00 PM 8/28: <ul style="list-style-type: none"> <li>• Duck Bay, Izhut Bay, and Outer Kitoi Bay Sections</li> </ul>
39	10:15 AM 8/28/23	6:00 PM 8/28/23	<u>Extension</u> to until further notice: <ul style="list-style-type: none"> <li>• Duck Bay, Izhut Bay, and Outer Kitoi Bay Sections</li> </ul>
		6:00 PM 8/29/23	<u>Closure</u> in the following areas: <ul style="list-style-type: none"> <li>• Anton Larsen, Sharatin Bay, Kizhuyak Bay, Terror Bay, Spiridon Bay, and Zachar Bay Sections</li> </ul>
		Noon 8/30/23	<u>Opening</u> for 54 hours until 6:00 PM 9/1: <ul style="list-style-type: none"> <li>• Inner Karluk Section</li> <li>• Northwest Afognak and Raspberry Strait Sections</li> <li>• Mainland District</li> <li>• Cape Alitak, Alitak Bay, Moser Bay, and Olga Bay Sections</li> </ul>
			<u>Closed water adjustments</u> until 6:00 PM 9/1: Reduced to the Karluk Lagoon’s exit channel terminus

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Appendix B2.–Page 9 of 9.

E.O. #	Issued	Effective	Action in Effect
40	10:00 AM 8/31/23	6:00 PM 9/1/23	<p><u>Extension</u> for 48 hours until 6:00 PM 9/3:</p> <ul style="list-style-type: none"> <li>• Inner Karluk Section</li> <li>• Northwest Afognak and Raspberry Strait Sections</li> <li>• Mainland District</li> <li>• Cape Alitak, Alitak Bay, Moser Bay, and Olga Bay Sections</li> </ul> <p><u>Closed water adjustments</u> until 6:00 PM 9/3: Reduced to the Karluk Lagoon’s exit channel terminus</p>
41	10:00 AM 9/3/23	6:00PM 9/3/23	<p><u>Extension</u> to until further notice:</p> <ul style="list-style-type: none"> <li>• Cape Alitak, Alitak Bay, Moser Bay, Olga Bay Sections</li> <li>• Northwest Afognak and Raspberry Strait Sections</li> <li>• Mainland District</li> </ul>
42	9:00 AM 9/5/23	Noon 9/6/23	<p><u>Opening</u> for 54 hours until 6:00 PM 9/8:</p> <ul style="list-style-type: none"> <li>• Inner Karluk Section</li> </ul> <p><u>Closed water adjustments</u> until 6:00 PM 9/8: Reduced to the Karluk Lagoon’s exit channel terminus</p>
43	10:00 AM 9/11/23	Noon 9/12/2023	<p><u>Opening</u> for 54 hours until 6:00 PM 9/14:</p> <ul style="list-style-type: none"> <li>• Inner Karluk Section</li> </ul> <p><u>Closed water adjustments</u> until 6:00 PM 9/14: Reduced to the Karluk Lagoon’s exit channel terminus</p>
44	10:00 AM 9/15/23	Noon 9/19/23	<p><u>Opening</u> for 54 hours until 6:00 PM 9/21:</p> <ul style="list-style-type: none"> <li>• Inner Karluk Section</li> </ul> <p><u>Closed waters adjustments</u> until 6:00 PM 9/21: Reduced to the Karluk Lagoon’s exit channel terminus</p>
45	10:00 AM 9/21/23	Noon 9/24/23	<p><u>Opening</u> for 54 hours until 6:00 PM 9/26:</p> <ul style="list-style-type: none"> <li>• Inner Karluk Section</li> </ul> <p><u>Closed waters adjustments</u> until 6:00 PM 9/26: Reduced to the Karluk Lagoon’s exit channel terminus</p>
46	10:00 AM 9/25/23	6:00 PM 9/26/23	<p><u>Extension</u> to until further notice:</p> <ul style="list-style-type: none"> <li>• Inner Karluk Section</li> </ul> <p><u>Closed water adjustments</u> until further notice: Reduced to the Karluk Lagoon’s exit channel terminus</p>

## **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). Between 1968 and 1969, Alaska Department of Fish and Game (ADF&G) conducted a tagging study at Cape Igvak (ADF&G 1970). In 1968, ADF&G tagged 325 sockeye salmon on June 22. Only 5 recoveries were documented (4 in Chignik and 1 in Cook Inlet). In 1969, ADF&G tagged 791 sockeye salmon in the Cape Igvak area between June 14 and July 6. Tag recoveries ( $n = 161$ ) were primarily made in the Chignik Management Area (CMA; 83.9%), Kodiak Management Area (KMA; 9.3%), Cook Inlet (4.3%), and West of Chignik (2.5%). 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 to 1977, this area was managed for “day for day” equal fishing time with the Chignik Bay District of the 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. In 2019, the BOF modified the plan again from the original 15% to the current 7.5% of the Chignik-bound sockeye salmon harvest allocated to KMA fishers.<sup>1</sup> Additionally, in 2019, the allocation period was changed to June 1 through July 5. Through July 5 in Chignik, a minimum harvest of 600,000 sockeye salmon must be expected 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 et al. 2023).

Since this plan was adopted in 1978, the catch of Chignik-bound sockeye salmon from the Cape Igvak Section has ranged from 0% to 19.2% of the total Chignik sockeye salmon harvest (Appendix C3). In years that the original CISMP allocation fishery was prosecuted, the sockeye salmon harvest averaged 12.0% of the total CMA sockeye salmon harvest (Appendix C4). The Cape Igvak harvest under the original framework met or exceeded its 15% allocation level in 10 of the 40 years (Appendices C3 and C4). Since the adoption of recent changes to the plan, the Cape Igvak Fishery has not opened to commercial salmon fishing.

### 2023 Cape Igvak Fishery

#### Chignik Total Run

The 2023 preseason forecast for the Chignik system predicted a total return of approximately 1,524,000 sockeye salmon. This left a forecasted harvestable surplus of approximately 889,000 sockeye salmon (Donnellan and Munro 2023).

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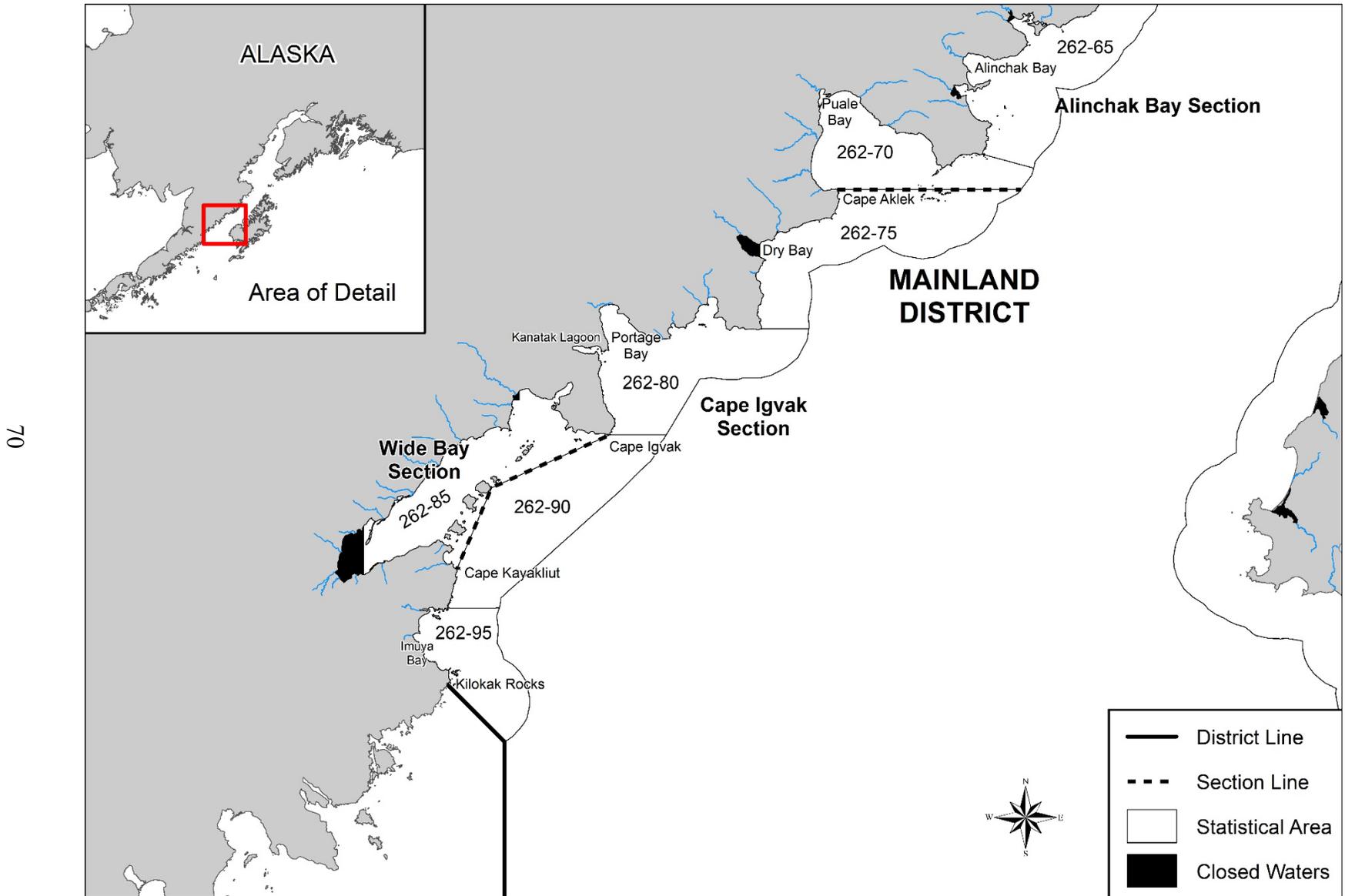
<sup>1</sup> Chignik-bound sockeye salmon are also harvested in the Southeastern Mainland District of the Alaska Peninsula Management Area, in accordance with the regulatory *Southeastern District Mainland Salmon Management Plan*, 5 AAC 09.360.

The early Chignik sockeye salmon return and harvest was below average and the allocative requirements were not met; therefore, the allocation fishery with Cape Igvak was not open to commercial fishing during the allocation timeframe in 2023.

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



Appendix C3.—Harvest of sockeye salmon considered to be Chignik bound in the Chignik, Cape Igvak, and Southeastern District Mainland commercial salmon fisheries through July 25, 1978, to 2023.

Year	Chignik		Cape Igvak <sup>a</sup>		Southeastern District Mainland <sup>a</sup>		Total
	Catch <sup>b</sup>	Percent	Catch <sup>b</sup>	Percent	Catch <sup>b</sup>	Percent	
1978 <sup>c</sup>	1,454,389	86.60	225,078	13.40	N/A	N/A	1,679,467
1979 <sup>d</sup>	794,504	98.27	13,950	1.73	N/A	N/A	808,454
1980	670,001	91.31	32	0.00	63,724	8.68	733,757
1981	1,606,300	79.87	282,727	14.06	122,198	6.08	2,011,225
1982	1,250,768	84.49	166,756	11.26	62,789	4.24	1,480,313
1983	1,450,832	72.68	318,048	15.93	227,392	11.39	1,996,272
1984	2,474,405	73.93	449,372	13.43	423,292	12.65	3,347,069
1985 <sup>e</sup>	690,698	79.78	123,627	14.28	51,421	5.94	865,746
1986	1,456,729	82.64	188,017	10.67	118,006	6.69	1,762,752
1987	1,659,236	77.99	321,506	15.11	146,886	6.90	2,127,628
1988	675,487	95.77	10,520	1.49	19,320	2.74	705,327
1989	496,044	99.10	<sup>f</sup>	0.00	4,485	0.90	500,529
1990	1,205,575	84.29	107,706	7.53	117,065	8.18	1,430,346
1991 <sup>g</sup>	1,962,583	80.45	324,195	13.29	152,714	6.26	2,439,492
1992 <sup>h</sup>	1,054,309	81.19	150,434	11.58	93,845	7.23	1,298,588
1993	1,495,098	77.72	300,055	15.60	128,536	6.68	1,923,689
1994 <sup>i</sup>	1,632,435	80.61	250,230	12.36	142,350	7.03	2,025,015
1995	1,024,785	79.85	169,530	13.21	89,086	6.94	1,283,401
1996 <sup>j</sup>	1,710,249	79.70	308,327	14.37	127,201	5.93	2,145,777
1997	443,892	100.00	<sup>f</sup>	0.00	<sup>f</sup>	0.00	443,892
1998 <sup>k</sup>	786,466	91.22	8,813	1.02	66,893	7.76	862,172
1999	2,326,811	78.70	456,039	15.43	173,621	5.87	2,956,471
2000	1,509,652	80.11	271,344	14.40	103,419	5.49	1,884,415
2001 <sup>l</sup>	1,134,991	79.41	215,214	15.06	79,037	5.53	1,429,242
2002 <sup>m</sup>	849,980	80.99	136,488	13.01	63,026	6.01	1,049,494
2003	854,673	81.67	121,887	11.65	69,935	6.68	1,046,495
2004	681,139	75.94	160,665	17.91	55,123	6.15	896,927
2005	1,098,718	70.84	274,328	17.69	177,906	11.47	1,550,952
2006	741,887	87.72	41,834	4.95	62,010	7.33	845,731
2007 <sup>n</sup>	601,213	91.97	52,527	8.03	<sup>f</sup>	0.00	653,740
2008	455,199	100.00	<sup>f</sup>	0.00	<sup>f</sup>	0.00	455,199
2009	871,890	83.26	126,968	12.12	48,322	5.54	1,047,180
2010	1,125,135	80.62	185,193	13.27	85,267	7.58	1,395,595
2011	2,277,681	77.77	494,538	16.89	156,637	6.88	2,928,856
2012	1,640,517	78.44	324,895	15.53	126,083	7.69	2,091,495
2013	2,253,424	81.16	354,179	12.76	169,029	7.50	2,776,632

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Year	Chignik		Cape Igvak <sup>a</sup>		Southeastern District Mainland <sup>a</sup>		Total
	Catch <sup>b</sup>	Percent	Catch <sup>b</sup>	Percent	Catch <sup>b</sup>	Percent	
2014	330,302	100.00	f	0.00	f	0.00	330,302
2015	1,014,550	90.67	5,936	0.53	98,473	9.71	1,118,959
2016	1,167,326	74.92	298,470	19.13	94,790	8.12	1,560,586
2017	679,410	80.76	118,101	14.04	43,730	6.44	841,241
2018	128	100.00	f	0.00	f	0.00	128
2019	185,567	100.00	f	0.00	f	0.00	185,567
2020 <sup>o</sup>	f	–	f	–	f	–	0
2021	f	–	f	–	f	–	0
2022	f	–	f	–	f	–	0
2023	143,192	100.00	f	0.00	f	0.00	143,192

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

<sup>b</sup> Beginning in 1978, the Cape Igvak Salmon Management Plan allocated up to 15% of the total catch of Chignik-bound sockeye salmon to Kodiak Management Area fishers.

<sup>c</sup> In 1978, seining prior to July 11 was disallowed in the Southeastern District Mainland. Set gillnet fisheries were allowed for 3 days per week through July 10, after which the fishery was based on local stock abundance.

<sup>d</sup> From 1979 to 1984, fishing in the Southeastern District Mainland was allowed for 5 days per week prior to July 11, with an estimated ceiling of 60,000 Chignik-bound sockeye. If the Chignik Management Area catch was 1,000,000 or more before July 11, then the ceiling was removed.

<sup>e</sup> Beginning in 1985, the Southeastern District Mainland (excluding the Northwest Stepovak Section and Orzinski Bay) was allowed an allocation of 6.2% of the total harvest of Chignik-bound sockeye salmon through July 25. After July 25 the Southeastern District Mainland was managed based on local stock abundance. The allocation level changed to 6.0% beginning in 1988, with seining still not allowed prior to July 11.

<sup>f</sup> No fishery.

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

<sup>h</sup> Beginning in 1992, after a BOF review of historical records, the allocation of Chignik-bound sockeye salmon to the Southeastern District Mainland fishery (excluding Orzinski Bay) was increased to 7.0%, through July 25.

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

<sup>j</sup> In January 1996, the BOF increased the area managed for local Orzinski Lake sockeye salmon from only Orzinski Bay to the entire Northwest Stepovak Section. Prior to July 1, the entire Northwest Stepovak Section will be managed by allocation based on Chignik sockeye salmon run strength. Beginning July 1, the Northwest Stepovak Section is managed entirely on local stocks. The BOF also decreased the percentage of Chignik-bound sockeye salmon allocated to the Southeastern District Mainland fishery from 7.0% to 6.0%.

<sup>k</sup> Includes 7,714 sockeye salmon caught on June 18 by the Chignik Seiners Association, and an over-escapement of 52,131 sockeye salmon counted through the weir during the Chignik Seiners Association boycott (June 16 to June 29).

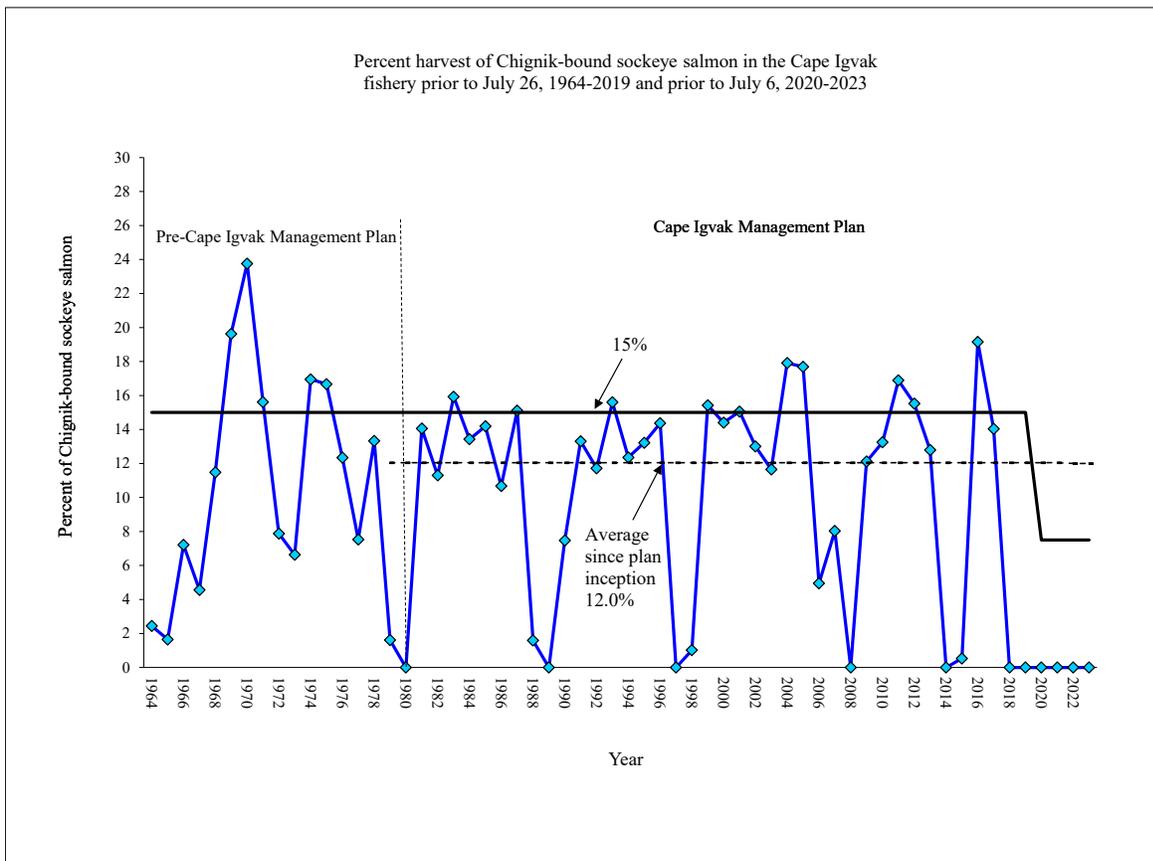
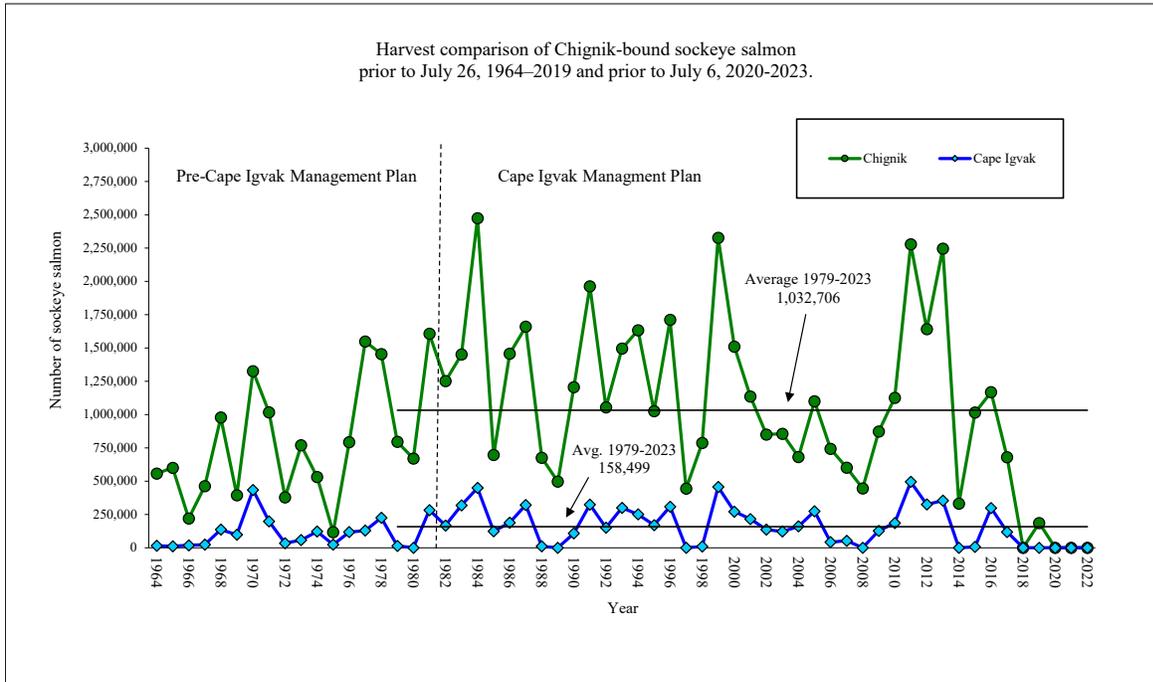
<sup>l</sup> Includes 176,605 sockeye salmon caught June 16–29 by the Chignik Seiners Association, and foregone harvest due to over-escapement of 398,887 in the CMA and 27,896 in the Southeastern District Mainland during the permit holder’s strike (June 14 to July 2).

<sup>m</sup> In 2002, the BOF changed the regulations such that 90% (up from 80%) of sockeye salmon harvested in the Cape Igvak Section through July 25 are to be considered Chignik bound.

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

<sup>o</sup> In 2019, the BOF changed the Cape Igvak Section allocation from 15% of the total Chignik-bound harvest to 7.5% of the total Chignik-bound harvest and reduced the allocation period from June 1 through July 25 to June 1 through July 5. Additionally, the Cape Igvak Section is only allowed to fish if there is an expected Chignik Area sockeye salmon harvest of at least 600,000 fish by July 6.

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





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

## INTRODUCTION

Within the Alitak District fishery, set gillnet and seine are legal gear types for commercial salmon fishing. Set gillnets are allowed only in the inside waters of the Alitak Bay, Moser Bay, and Olga Bay Sections, whereas seine gear is limited to the outer waters of the Cape Alitak and Humpy-Deadman Sections until September 5 (5 AAC 18.330(d)(2); Appendix D2). Prior to the mid-1980s, various strategies were applied in the Alitak District to conserve and build sockeye salmon stocks returning to the Frazer, Akalura, and Upper Station systems, while offering some protection to local minor system sockeye, 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 managed in each section of the district throughout the fishing season (Jackson et al. 2023). This management plan has been in effect since 1988 and was most recently revised by the BOF in 2023.

### **Recent Board of Fisheries Actions:**

Most of the changes to the *Alitak District Salmon Management Plan* are directed at early-run sockeye salmon management between June 1 and July 15. The changes are aimed at achieving the Frazer sockeye salmon biological escapement goal (BEG) of 75,000 to 170,000 fish while meeting the smaller Upper Station early-run sockeye salmon BEG of 43,000 to 93,000 fish. These 2 salmon runs have overlapping run timing and Upper Station is located further into Olga Bay than the Frazer system (Appendix D2).

Previous BOF actions directed the department to focus management on the larger Frazer sockeye salmon run by establishing an Upper Station early-run sockeye salmon optimal escapement goal (OEG) of 25,000 fish (Prokopowich 1999). Since the Upper Station early-run OEG was lower than the Upper Station early-run sustainable escapement goal (SEG), management was focused on the larger Frazer sockeye salmon run. As a result, Upper Station early-run often achieved the OEG but failed to meet the SEG.

Beginning in 2014, the BOF eliminated the staggered opening and closing times for the Cape Alitak, Alitak Bay, Moser Bay, and Olga Bay Sections. Deleting this allocative language better enabled the department to pulse fish into Olga Bay. The BOF also liberalized the criteria for opening the terminal Dog Salmon Flats Section. Beginning in 2014, the Dog Salmon Flats Section could open prior to exceeding the Frazer sockeye salmon escapement goal.

In 2017, the BOF mandated the department to manage the Upper Station sockeye salmon early-run for the BEG instead of the OEG (5 AAC 18.361(c)). The BOF also deleted language directing the department to manage the commercial fishery to the extent possible in the traditional fisheries located in the Cape Alitak, Humpy-Deadman, Alitak Bay, Moser Bay, and Olga Bay Sections. Removing this language enables the department to restrict the commercial fishery to the nontraditional terminal Dog Salmon Flats Section. The BOF further removed language directing the department to manage the Frazer sockeye salmon run for maximum sustained yield. All of these changes allow the department more flexibility to manage for the Frazer BEG and the Upper Station BEG.

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## **2023 Alitak Fishery**

The total run forecast for the Upper Station early run was 76,000 sockeye salmon, with an estimated harvestable surplus of approximately 11,000 fish. The 2023 total run forecast for the Frazer Lake system was 383,000 sockeye salmon (Donnellan and Munro 2023), with an estimated harvestable surplus of approximately 240,000 sockeye salmon. The total run forecast for Upper Station late run was 210,000 sockeye salmon, with an estimated harvestable surplus of approximately 24,000 sockeye salmon (Donnellan and Munro 2023).

The Upper Station sockeye salmon early run has a biological escapement goal (BEG) of 43,000 to 93,000 fish. The 2023 target sockeye salmon escapement for Upper Station early run was based on a maximum sustained yield calculation of 65,000 fish (McKinley et al. 2019). The Frazer Lake sockeye salmon BEG range is 75,000 to 170,000 fish. The 2023 targeted sockeye salmon escapement for Frazer Lake was based on a maximum sustained yield calculation of 123,000 fish (McKinley et al. 2019). Frazer sockeye salmon escapement is first enumerated through a lower weir near the outlet of the Dog Salmon River (Dog Salmon weir) and then enumerated through the fish pass (Frazer Lake fish pass) below the outlet of the lake. Some sockeye salmon that have been enumerated at the Dog Salmon weir do not ascend the Frazer fish pass and remain in Dog Salmon Creek. To account for fish that pass into Dog Salmon Creek but do not ascend the Frazier Fish Pass, an additional 20,000 sockeye salmon were added, resulting in an escapement target at the Dog Salmon weir of 143,000 fish. If appropriate, the Dog Salmon weir target escapement goal will be increased further to account for jack sockeye salmon (jacks). The department defines jack sockeye salmon as sexually mature males that return after only 1 year in the ocean. The Upper Station late run has a BEG of 120,000 to 265,000 fish. The 2023 target sockeye salmon escapement for the Upper Station late run was based on a maximum sustained yield calculation of 186,000 fish (McKinley et al. 2019).

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

In some years, the Frazer Lake sockeye salmon run has included a large number of jacks. In order to increase the absolute number of large adult spawners, the Frazer Lake target sockeye salmon escapement is further increased to account for excess jacks. When the total number of jacks counted through Dog Salmon weir exceeds 10% of the overall cumulative sockeye salmon counted through the weir, then jacks in excess of 10% are not considered toward the inseason management objectives.

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

Apart from the nontraditional gillnet only terminal harvest areas (including the Dog Salmon Flats Section; Appendix D2), the Alitak District is managed from June 1 through June 30 based on sockeye salmon returning to both the Frazer and Upper Station systems. Upper Station early-run escapement was slow in early June. By June 11, escapement began to increase quickly, and a large buildup of fish was observed at the mouth of the river. Over the course of the next few days, sockeye salmon escapement continued to build and the first Alitak District commercial salmon opening was announced for June 14.

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Dog Salmon weir sockeye salmon escapement was weak in June, and although there was adequate Upper Station early-run escapement, only 3 commercial salmon periods were announced in the Alitak District during June. Sockeye salmon harvest was above average (Appendix B1).

By regulation, the Alitak District is managed from July 1 through July 15 based on sockeye salmon returning to either the Frazer system or the Upper Station system, and from July 16 through August 9, based on sockeye or pink salmon returning to the Frazer system. In July, Dog Salmon weir sockeye salmon escapement continued to be weak with a percentage of jack sockeye salmon. Three short commercial salmon openings were allowed in July in the areas managed for Frazer sockeye and pink salmon. Dog Salmon River pink salmon escapement was late but pink salmon escapement rapidly increased at the end of July, which allowed for several weekly openings targeting local pink salmon.

The final 2023 early-run sockeye salmon escapement at Upper Station weir (through July 15) was 63,129 sockeye salmon, which is within the established BEG of 43,000 to 93,000 fish. The Dog Salmon Creek weir was removed on August 9. The final 2023 sockeye salmon escapement at Dog Salmon weir was 123,986 fish. The final 2023 Frazer fish pass escapement was 100,477 sockeye salmon, which was within the established BEG of 75,000 to 170,000 fish (McKinley et al. 2019). The Frazer fish pass was closed after counts were completed on August 22. A total of 27,326 jacks (22% of the Dog Salmon escapement) passed Dog Salmon weir. A total of 25,895 jacks (25.8% of the Frazer escapement) passed the Frazer fish pass, bringing the non-jack adult total sockeye salmon escaped into Frazer Lake to 74,582 fish. A total of 339,465 pink salmon also escaped into Dog Salmon Creek (Table 4).

By regulation, the traditional sockeye salmon fishing areas of the Alitak District are managed from August 10 through August 25 based on late-run sockeye returning to the Upper Station system. Upper Station late-run sockeye escapement was below average during the month of August, but seine effort was very low. This allowed for several extended fishing periods in the traditional areas of the Alitak District in August and September. The final 2023 Upper Station late-run sockeye salmon escapement of 181,290 fish was within the BEG of 120,000 to 265,000 (McKinley et al. 2019). The 2023 Upper Station coho salmon escapement was average at 5,453 fish (Table 4).

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

The Humpy-Deadman Section (HDS) is managed from June 1 to 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. Local pink and chum salmon runs to the HDS were relatively weak and late, resulting in limited fishing time in July. In August and September extended fishing time was allowed due to limited fishing effort within the HDS. In total, 781,637 pink salmon were harvested in the HDS, and the Alitak District pink salmon escapement was 1,005,465 fish.

### **Season Totals**

In 2023, set gillnet harvest in the Olga Bay Section (statistical area 257-40) by 15 permit holders included 40,172 sockeye, 563 coho, 27,388 pink, and 1,087 chum salmon (Appendix D3). Set gillnet harvest in the Moser Bay Section (statistical area 257-43) by 19 permit holders included 82,015 sockeye, 761 coho, 44,450 pink, and 904 chum salmon (Appendix D3). Set gillnet harvest in the Alitak Bay Section (statistical area 257-41) by 18 permit holders included 1 Chinook, 45,799 sockeye, 446 coho, 39,134 pink, and 2,245 chum salmon (Appendix D3). There was no harvest in the Dog Salmon Flats Section (statistical area 257-42) in 2023.

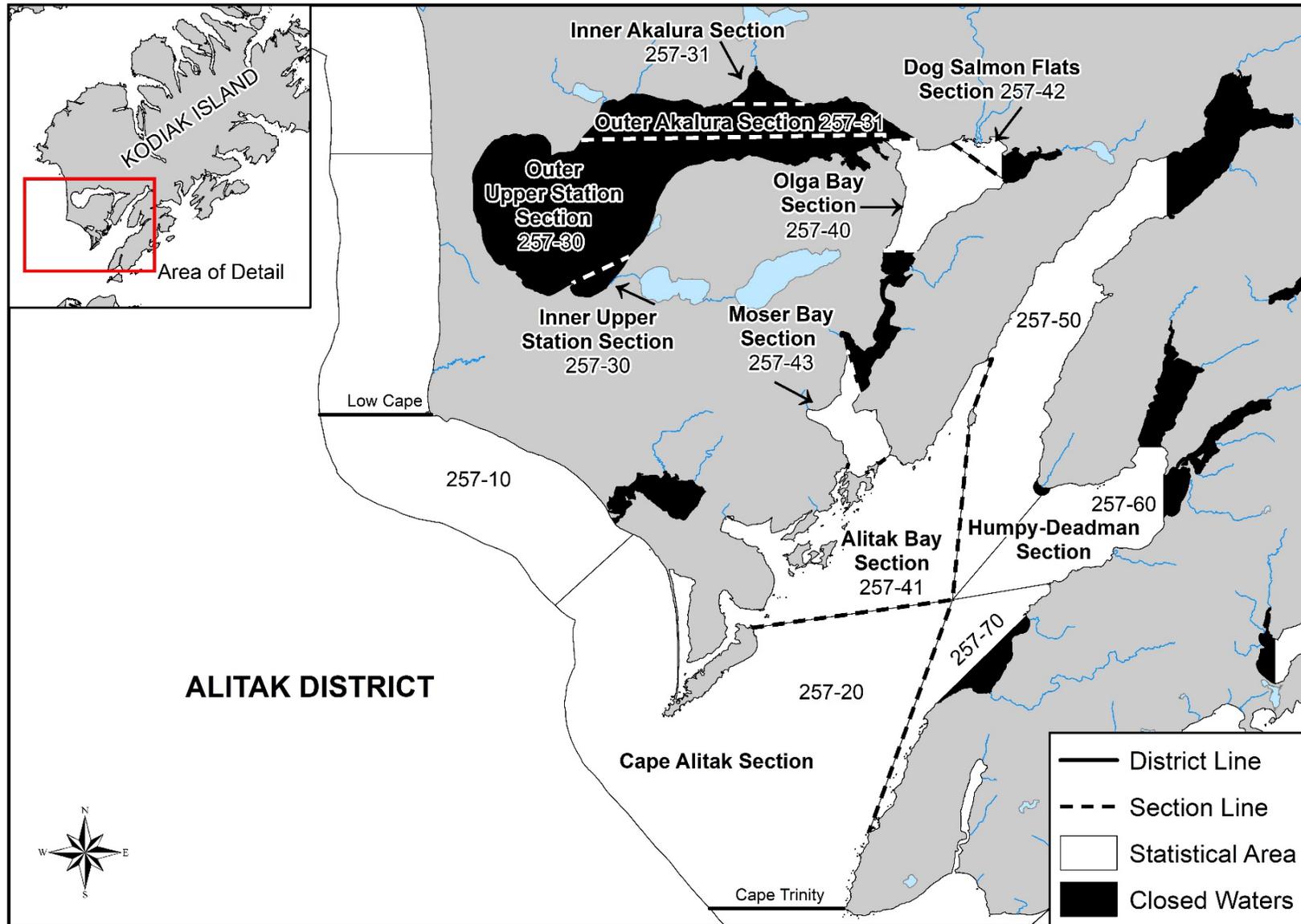
In 2023, purse seine harvest in the Cape Alitak Section (statistical areas 257-10 and -20) by 42 permit holders included 79 Chinook, 93,290 sockeye, 1,243 coho, 432,042 pink, and 9,427 chum salmon (Appendix D4). Seine harvest in the HDS (statistical areas 257-50, -60, and -70) by 14 permit holders included 22 Chinook, 23,058 sockeye, 1,439 coho, 781,637 pink, and 12,959 chum salmon (Appendix D4).

A total of 43 purse seine permit holders fished in the Alitak District in 2023 with a total harvest of 101 Chinook (96% of the total Alitak District Chinook harvest), 116,348 sockeye (41%), 2,682 coho (86%), 1,213,679 pink (92%), and 22,386 chum salmon (84%; Appendices D4–D6). A total of 43 gillnet permit holders fished in Alitak District and harvested 4 Chinook (4%), 167,986 sockeye (59%), 1,770 coho (40%), 110,972 pink (8%), and 4,236 chum salmon (16%; Appendices D3, D5, and D6).

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Appendix D2.—Map of the Alitak District showing sections, statistical areas, and closed waters, 2023.



Appendix D3.–Set gillnet daily salmon harvest, by species and section, for the Alitak District, 2023.

Statistical area	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Olga Bay	14-Jun	7	9	0	0	2,166	10,396	0	0	0	0	0	0
Section	15-Jun	7	10	0	0	2,857	13,815	0	0	0	0	0	0
257-40	16-Jun	6	10	0	0	1,569	7,867	0	0	0	0	0	0
	17-Jun	5	8	0	0	584	2,866	0	0	0	0	0	0
	20-Jun	7	7	0	0	1,212	6,181	0	0	1	4	2	16
	21-Jun	6	10	0	0	1,222	5,579	0	0	0	0	1	6
	22-Jun	7	11	0	0	935	4,453	0	0	0	0	1	9
	23-Jun	8	9	0	0	780	3,422	0	0	3	10	1	7
	24-Jun	7	9	0	0	454	2,172	0	0	1	3	3	26
	27-Jun	7	7	0	0	1,559	7,252	0	0	0	0	0	0
	28-Jun	8	10	0	0	1,401	6,094	0	0	22	82	2	14
	29-Jun	9	12	0	0	713	3,528	0	0	17	69	5	36
	6-Jul	7	8	0	0	1,074	4,675	0	0	135	464	10	82
	7-Jul	7	9	0	0	539	2,318	0	0	132	425	8	61
	8-Jul	5	5	0	0	196	830	0	0	24	72	0	0
	21-Jul	7	9	0	0	1,160	5,410	0	0	999	3,340	26	184
	22-Jul	7	10	0	0	469	2,180	0	0	1,022	3,938	46	329
	23-Jul	8	9	0	0	259	1,191	0	0	534	2,055	13	90
	29-Jul	6	8	0	0	530	2,760	0	0	545	1,866	8	60
	30-Jul	5	7	0	0	629	3,225	0	0	959	3,114	5	37
	31-Jul	6	7	0	0	406	2,048	1	4	626	1,960	5	35
	4-Aug	5	10	0	0	1,575	7,760	0	0	1,809	5,229	14	116
	5-Aug	5	10	0	0	1,328	6,544	0	0	1,528	4,614	21	150
	6-Aug	4	6	0	0	656	3,216	0	0	790	2,400	6	43
	7-Aug	5	7	0	0	390	1,972	1	6	720	2,196	11	88
	10-Aug	6	10	0	0	1,058	5,261	2	16	1,354	4,530	15	110
	11-Aug	6	10	0	0	1,143	5,375	0	0	1,297	4,162	15	105
	12-Aug	5	9	0	0	632	3,259	0	0	893	2,835	15	110
	13-Aug	4	7	0	0	561	2,880	0	0	696	2,247	11	86

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Statistical area	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	
Olga Bay Section 257-40 (continued)	28-Jul	4	6	0	0	213	1050	0	0	423	1347	9	68	
	29-Jul	4	6	0	0	637	3,206	7	60	657	2,377	18	150	
	30-Jul	4	7	0	0	796	4,115	5	33	954	3,144	21	157	
	2-Aug	4	7	0	0	1,046	5,200	17	109	865	3,030	22	147	
	3-Aug	4	8	0	0	1,027	5,212	16	119	1,532	5,361	34	260	
	4-Aug	3	7	0	0	728	3,623	20	159	1,131	3,747	24	164	
	5-Aug	3	6	0	0	927	4,606	50	380	1,435	4,683	37	281	
	8-Aug	3	6	0	0	794	3,928	61	401	1,553	5,037	53	397	
	10-Aug	4	7	0	0	513	2,537	60	437	1,158	3,880	55	428	
	11-Aug	3	6	0	0	1,432	7,032	44	309	1,165	3,842	144	1,111	
	20-Aug <sup>a</sup>													
	21-Aug	3	4	0	0	1,022	4,987	59	447	603	1,957	99	769	
	22-Aug <sup>a</sup>													
	26-Aug <sup>a</sup>													
27-Aug	4	4	0	0	996	4,713	30	219	366	1,188	43	304		
28-Aug	3	4	0	0	289	1,387	18	140	258	846	16	124		
Total		15	341	0	0	40,172	194,371	563	4,172	27,388	89,936	1,087	8,096	
Average weight (lb)					0.00		4.84		7.41		3.28		7.45	
Moser Bay Section (257-43)	14-Jun	5	8	0	0	2,896	13,027	0	0	0	0	0	0	
	15-Jun	7	8	0	0	2,031	9,367	0	0	0	0	0	0	
	16-Jun	8	14	0	0	3,178	14,848	0	0	2	8	0	0	
	17-Jun	6	10	0	0	1,510	7,258	0	0	2	8	0	0	
	20-Jun	7	12	0	0	3,050	13,902	0	0	5	16	0	0	
	21-Jun	6	8	0	0	1,277	5,755	0	0	2	6	2	14	
	22-Jun	8	14	0	0	1,400	6,328	0	0	1	3	0	0	
	23-Jun	7	9	0	0	1,771	7,974	0	0	3	9	0	0	
	24-Jun	8	9	0	0	1,428	6,453	0	0	5	17	0	0	
	27-Jun	6	8	0	0	1,252	5,637	0	0	12	41	6	42	
28-Jun	7	11	0	0	2,088	9,340	0	0	27	101	8	58		

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Statistical area	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Moser Bay	29-Jun	7	9	0	0	1,480	6,662	0	0	41	150	5	35
Section	6-Jul	4	5	0	0	841	3,796	0	0	133	463	6	40
(257-43)	7-Jul	8	9	0	0	1,115	4,865	0	0	287	888	12	87
(continued)	8-Jul	7	11	0	0	858	3,839	0	0	446	1,355	13	86
	21-Jul	5	5	0	0	492	2,251	0	0	256	903	10	71
	22-Jul	7	8	1	15	771	3,170	1	5	212	666	8	52
	23-Jul	5	8	0	0	1,024	4,180	1	5	502	1,532	14	90
	29-Jul	7	8	0	0	2,061	9,542	0	0	1,721	5,695	23	169
	30-Jul	7	9	0	0	1,789	9,068	2	12	1,277	4,472	12	83
	31-Jul	8	11	0	0	1,567	7,342	0	0	1,572	4,903	17	97
	4-Aug	6	10	0	0	2,071	9,342	1	6	1,321	3,971	19	140
	5-Aug	9	15	0	0	2,309	10,420	0	0	1,051	3,161	16	101
	6-Aug	7	7	0	0	1,499	6,753	1	6	658	2,125	13	89
	7-Aug	6	8	0	0	1,063	4,603	2	12	618	1,856	7	44
	10-Aug	7	8	0	0	3,507	15,654	0	0	2,202	6,615	17	120
	11-Aug	9	13	0	0	3,142	14,728	3	20	2,228	6,687	16	108
	12-Aug	8	15	0	0	3,184	14,977	7	45	2,112	6,161	22	153
	13-Aug	8	10	1	18	1,971	9,280	16	78	1,956	5,876	17	125
	14-Aug	7	8	0	0	553	2,675	9	50	900	2,829	7	49
	17-Aug	8	10	0	0	1,738	8,173	29	184	2,663	8,001	32	249
	18-Aug	10	18	0	0	2,979	13,615	34	221	2,519	8,088	22	150
	19-Aug	7	13	0	0	2,516	11,874	56	365	2,438	7,332	26	196
	20-Aug	9	13	1	9	2,696	12,706	42	253	2,203	6,621	23	168
	21-Aug	7	12	0	0	1,778	8,393	21	136	1,605	4,845	42	305
	24-Aug	6	12	0	0	1,985	9,359	28	187	2,576	7,736	66	484
	25-Aug	7	11	0	0	2,040	9,422	54	338	2,337	7,019	78	553
	26-Aug	6	8	0	0	957	4,524	17	108	1,046	3,147	16	107
	30-Aug	7	11	0	0	1,909	8,987	76	492	1,891	5,689	85	603
	31-Aug	3	5	0	0	683	3,244	13	88	473	1,423	20	147

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Statistical area	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Moser Bay	1-Sep	6	10	0	0	2,521	11,598	140	863	2,101	6,434	78	540
Section	2-Sep	6	12	0	0	1,968	9,318	91	551	1,315	4,063	59	398
(257-43)	3-Sep	7	11	0	0	2,450	11,434	35	223	715	2,263	24	165
(continued)	4-Sep	7	11	0	0	2,138	10,106	76	519	771	2,322	56	381
	5-Sep	6	8	0	0	479	2,189	6	34	245	738	7	52
Total		19	453	3	42	82,015	377,978	761	4,801	44,450	136,238	904	6,351
Average weight (lb)					14.00		4.61		6.31		3.06		7.03
Alitak Bay	14-Jun <sup>a</sup>												
Section	15-Jun	5	9	0	0	1,409	6,353	0	0	0	0	0	0
(257-41)	16-Jun	5	7	0	0	923	4,020	0	0	1	4	0	0
	17-Jun	7	9	0	0	2,259	10,140	0	0	2	8	1	7
	20-Jun	5	5	0	0	919	4,364	0	0	4	13	4	31
	21-Jun	8	8	0	0	850	3,940	0	0	0	0	0	0
	22-Jun	6	6	0	0	451	2,034	0	0	0	0	1	8
	23-Jun	7	9	0	0	1,477	6,677	0	0	4	12	4	30
	24-Jun	8	9	0	0	1,550	7,099	0	0	3	9	3	22
	27-Jun	4	4	0	0	923	4,312	0	0	49	147	11	88
	28-Jun	7	8	0	0	1,282	6,406	0	0	26	80	16	118
	29-Jun	8	10	1	14	1,080	4,946	0	0	74	227	17	125
	6-Jul	3	3	0	0	392	1,864	0	0	155	484	21	149
	7-Jul	9	9	0	0	1,149	4,931	0	0	412	1,208	48	339
	8-Jul	10	13	0	0	1,161	5,284	0	0	785	2,357	104	722
	21-Jul	3	4	0	0	268	1,238	0	0	71	215	6	39
	22-Jul	5	9	0	0	571	2,285	0	0	75	249	61	404
	23-Jul	9	13	0	0	1,077	4,696	0	0	143	431	56	383
	29-Jul	4	5	0	0	1,205	5,396	1	6	814	2,445	58	413
	30-Jul	8	15	0	0	2,558	11,626	1	5	1,870	5,648	124	882
	31-Jul	9	13	0	0	778	3,581	1	4	305	1,037	25	172
	4-Aug	4	5	0	0	496	2,702	0	0	260	1,092	47	308

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Statistical area	Date	Permits	Chinook		Sockeye		Coho		Pink		Chum		
			Landings	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Alitak Bay	5-Aug	9	11	0	0	790	4,430	2	14	322	1,413	38	250
Section	6-Aug	6	7	0	0	606	3,456	9	64	504	1,783	43	259
(257-41)	7-Aug	9	13	0	0	1,508	8,335	1	8	696	2,689	47	310
(continued)	10-Aug	7	9	0	0	1,563	8,550	7	49	1,524	5,729	70	456
	11-Aug	8	12	0	0	1,230	6,991	12	91	1,448	5,357	27	163
	12-Aug	7	11	0	0	1,130	6,184	19	145	1,194	4,360	36	244
	13-Aug	8	11	0	0	964	5,328	7	51	1,881	6,365	69	449
	14-Aug	7	10	0	0	1,276	7,298	32	256	1,915	7,037	92	641
	17-Aug	6	7	0	0	1,604	9,308	19	155	1,633	6,044	47	327
	18-Aug	8	11	0	0	2,120	12,187	27	199	3,981	14,578	60	414
	19-Aug	7	11	0	0	2,166	12,563	65	514	3,181	11,769	102	720
	20-Aug	7	8	0	0	1,012	5,660	10	70	570	2,045	26	183
	21-Aug	10	15	0	0	2,080	11,623	90	792	3,044	11,122	108	744
	22-Aug <sup>a</sup>												
	23-Aug <sup>a</sup>												
	24-Aug <sup>a</sup>												
	25-Aug	5	7	0	0	904	5,246	26	236	1,267	4,687	70	489
	26-Aug	5	6	0	0	916	5,213	12	114	1,196	4,548	78	547
	30-Aug <sup>a</sup>												
	31-Aug <sup>a</sup>												
	1-Sep	3	5	0	0	885	4,128	24	190	1,655	5,358	173	1,210
	2-Sep <sup>a</sup>												
	3-Sep <sup>a</sup>												
	4-Sep <sup>a</sup>												
	5-Sep <sup>a</sup>												
Total		18	346	1	14	45,799	231,231	446	3,613	39,134	137,662	2,245	15,517
Average weight (lb)					14.00		5.05		8.10		3.52		6.91
Grand Total		43	1,140	4	56	167,986	803,580	1,770	12,586	110,972	363,836	4,236	29,964
Average weight					14.00		4.78		7.11		3.28		7.07

<sup>a</sup> Confidential.

Appendix D4.–Purse seine daily salmon harvest, by species and section, for the Alitak District, 2023.

Statistical area	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Cape Alitak	14-Jun	5	5	0	0	5,494	24,719	0	0	27	83	27	170
Section	15-Jun <sup>a</sup>												
(257-10 and 20)	16-Jun	3	3	1	2	2,133	9,463	0	0	29	97	63	496
	20-Jun	6	6	0	0	4,850	23,255	0	0	113	339	75	614
	21-Jun	4	4	1	4	2,183	10,683	0	0	236	752	186	1,467
	23-Jun	11	11	6	48	8,905	40,219	0	0	198	644	68	411
	27-Jun	15	15	5	8	7,950	41,975	3	23	1,561	5,665	193	1,387
	28-Jun	5	5	2	11	4,490	18,976	0	0	1,093	3,406	125	923
	29-Jun	8	8	0	0	1,595	7,568	1	6	455	1,691	79	480
	6-Jul <sup>a</sup>												
	7-Jul	3	3	0	0	1,307	6,602	0	0	7,143	16,869	176	1,112
	8-Jul	4	4	0	0	764	3,891	0	0	3,994	13,348	230	2,012
	21-Jul	5	5	0	0	2,752	12,763	35	202	4,796	12,950	576	4,471
	22-Jul <sup>a</sup>												
	23-Jul	3	3	24	354	1,606	8,948	3	16	6,261	21,302	260	2,209
	29-Jul	3	3	0	0	4,674	22,204	137	757	10,609	34,480	271	1,768
	30-Jul	3	3	0	0	1,297	6,141	44	245	10,319	33,763	1,033	6,722
	31-Jul	5	5	2	26	1,244	6,035	30	187	9,174	30,759	1,468	9,398
	4-Aug	6	6	1	10	3,188	15,703	163	965	26,295	79,885	423	2,649
	5-Aug <sup>a</sup>												
	6-Aug	6	7	8	102	7,860	39,305	51	281	44,618	136,352	355	2,143
	7-Aug	4	6	7	83	1,995	11,004	40	327	11,678	46,560	190	1,242
	10-Aug <sup>a</sup>												
	11-Aug	4	4	0	0	2,012	10,147	23	131	17,243	53,728	509	3,734
	12-Aug	3	3	3	58	3,519	17,482	67	372	28,878	87,734	349	2,434
	13-Aug <sup>a</sup>												
	14-Aug	8	8	4	40	4,806	24,606	136	949	40,200	128,787	667	4,713
	18-Aug <sup>a</sup>												
	19-Aug	3	3	0	0	886	4,427	28	208	27,094	83,989	210	1,580

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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 Section (257-10 and 20) (continued)	20-Aug <sup>a</sup> 21-Aug <sup>a</sup> 24-Aug <sup>a</sup> 25-Aug	3	4	0	0	3,834	19,571	120	746	54,455	178,909	503	3,604
Total		42	140	79	914	93,290	449,819	1,243	7,682	432,042	1,354,642	9,427	64,807
Average weight (lb)					11.57		4.82		6.18		3.14		6.87
Humpy-Deadman Section (257-50, 60 and 70)	27-Jun 6-Jul <sup>a</sup> 21-Jul <sup>a</sup> 23-Jul <sup>a</sup> 29-Jul <sup>a</sup> 30-Jul <sup>a</sup> 5-Aug 10-Aug 11-Aug <sup>a</sup> 12-Aug <sup>a</sup> 13-Aug 14-Aug <sup>a</sup> 17-Aug 18-Aug 19-Aug 20-Aug 21-Aug 22-Aug 23-Aug 24-Aug 25-Aug 26-Aug 27-Aug	3	3	0	0	945	4,179	0	0	116	373	43	268
		3	3	0	0	390	1,752	7	47	7,175	22,960	209	1,327
		3	3	0	0	2,157	11,046	21	127	24,639	82,557	903	6,201
		3	3	0	0	134	659	4	26	19,567	65,725	416	3,820
		6	6	0	0	2,693	14,462	54	332	62,684	199,808	413	2,998
		8	9	0	0	4,109	20,358	105	653	74,178	227,728	603	4,381
		5	5	0	0	1,205	6,019	31	179	40,359	121,985	338	2,356
		8	9	0	0	2,064	9,706	117	805	92,091	297,532	641	4,408
		6	6	1	12	252	1,365	106	754	34,013	128,190	562	3,575
		7	7	0	0	800	3,669	102	649	67,661	223,099	729	4,851
		6	6	0	0	1,103	5,269	107	664	58,291	184,854	1,554	10,160
		6	6	0	0	1,000	5,514	199	1,287	38,477	123,382	1,344	8,901
		5	5	1	5	1,654	9,067	62	342	51,932	161,238	288	2,168
		6	6	0	0	1,312	5,994	70	368	48,887	159,715	424	2,124
		7	7	0	0	586	2,850	98	632	54,220	168,396	1,835	12,677

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Statistical Area	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Humpy-Deadman Section	28-Aug	3	3	0	0	241	1,159	103	758	27,049	91,832	658	5,222
(257-50, 60 and 70)	29-Aug	6	6	0	0	150	707	33	231	23,797	77,846	794	4,895
(continued)	30-Aug <sup>a</sup>												
Total		14	105	22	116	23,058	115,400	1,439	9,244	781,637	2,519,339	12,959	89,273
Average weight (lb)					5.27		5.00		6.42		3.22		6.89
Grand total		43	245	101	1,030	116,348	565,219	2,682	16,926	1,213,679	3,873,982	22,386	154,080
Average weight (lb)					10.20		4.86		6.31		3.19		6.88

Appendix D5.—Salmon harvest, by gear type and by species, for the Alitak District management units, 2023.

	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		Total	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
<u>Seine</u>														
Total	43	243	101	1,030	116,348	565,219	2,682	16,926	1,213,679	3,873,982	22,386	154,080	1,355,196	4,611,237
Average weight (lb)				10.20		4.86		6.31		3.19		6.88		
<u>Set gillnet</u>														
Total	43	1,139	4	56	167,986	803,580	1,770	12,586	110,972	363,836	4,236	29,964	284,968	1,210,022
Average weight (lb)				0.00		4.78		7.11		3.28		7.07		
Year total	86	1,382	105	1,086	284,334	1,368,799	4,452	29,512	1,324,651	4,237,818	26,622	184,044	1,640,164	5,821,259
Average weight (lb)				10.34		4.81		6.63		3.20		6.91		

Appendix D6.—Commercial salmon harvest, by species with percent harvest by gear type, in the Alitak District, 1993–2023.

Year	Chinook <sup>a</sup>			Sockeye <sup>a</sup>			Coho <sup>a</sup>			Pink <sup>a</sup>			Chum <sup>a</sup>			Total <sup>a</sup>		
	Number	GN%	PS%	Number	GN%	PS%	Number	GN%	PS%	Number	GN%	PS%	Number	GN%	PS%	Number	GN%	PS%
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	35%	65%	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	28%	72%	661,789	9%	91%	13,601	34%	66%	934,361	22%	78%
2015	1,554	1%	99%	364,946	37%	63%	19,847	17%	83%	5,812,572	1%	99%	52,682	17%	83%	6,251,601	4%	96%
2016	377	8%	92%	183,295	47%	53%	7,686	23%	77%	182,615	20%	80%	12,197	45%	55%	386,170	29%	71%
2017	223	0%	100%	214,898	54%	46%	17,284	33%	67%	3,415,116	8%	92%	117,849	12%	88%	3,765,370	21%	79%
2018	226	0%	100%	277,528	62%	38%	21,403	41%	59%	780,486	13%	87%	29,303	16%	84%	1,108,946	26%	74%
2019	311	2%	98%	330,117	48%	52%	17,866	3%	97%	2,082,621	6%	94%	33,571	28%	72%	2,464,486	17%	83%
2020	80	1%	99%	255,678	50%	50%	32,516	14%	86%	1,289,345	23%	77%	8,784	31%	69%	1,586,403	24%	76%
2021	178	1%	99%	652,788	47%	53%	24,007	17%	83%	3,065,084	4%	96%	21,581	15%	85%	3,763,638	17%	83%
2022	122	0%	100%	324,280	42%	58%	3,096	18%	82%	1,112,933	10%	90%	11,372	25%	75%	1,451,803	19%	81%
2023	105	4%	96%	284,334	59%	41%	4,452	40%	60%	1,324,651	8%	92%	26,622	16%	84%	1,640,164	25%	75%
Averages <sup>b</sup>																		
2003–2022	303	17%	81%	397,222	62%	38%	11,875	42%	58%	1,489,728	18%	82%	50,778	23%	77%	1,949,900	29%	71%
2013–2022	391	2%	98%	308,117	50%	50%	15,202	23%	77%	2,106,700	10%	90%	33,526	23%	77%	2,463,937	18%	82%

Note: GN% = gillnet percentage; PS% = purse seine percentage.

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

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

## INTRODUCTION

### Westside Kodiak Harvest Strategy

The *Westside Kodiak Salmon Management Plan* 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 fishers (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 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 of the Afognak District (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 8 bays in the Northwest Kodiak District: Anton Larsen, Sharatin, Kizhuyak, Terror, Inner Uganik, Spiridon, Zachar, and Inner Uyak (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, ADF&G is directed to open 2 mandatory 33-hour fishing periods. 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 is 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 pink salmon returning to systems within the Northwest Kodiak District. 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. From August 25 to 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, ADF&G is directed to open 2 mandatory 33-hour fishing periods, which occur at the same time as those in the Central and North Cape Sections. From June 16 to 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 Ayakulik, Karluk, and local salmon stocks. Both the Karluk and Ayakulik systems have very defined even-year-dominant pink salmon runs (Donnelly 1983; Eggers et al. 1991). Differences in system dynamics between even and odd years in July have 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 ADF&G determines that the midpoint of the early-run Karluk sockeye salmon escapement goal will be achieved.

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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 to 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 Kodiak Management Area, 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.

### **2023 Westside Kodiak Fisheries**

ADF&G's preseason salmon forecasts predicted a surplus (in excess of escapement needs) of early-run sockeye salmon returning to Karluk Lake (63,000 fish), Frazer Lake (270,000 fish), Ayakulik River (41,000 fish), and early-run Upper Station (15,000 fish; Donnellan and Munro 2023).

The Karluk early-run sockeye salmon biological escapement goal (BEG) is 150,000 to 250,000 fish. The 2023 targeted sockeye salmon escapement for Karluk Lake early-run was 200,000 fish. The Ayakulik early-run sockeye salmon sustainable escapement goal (SEG) is 140,000 to 280,000 fish. The 2023 targeted sockeye salmon escapement for the Ayakulik early run was 210,000 fish.

The Karluk late-run sockeye salmon BEG is 200,000 to 450,000 fish. The 2023 targeted sockeye salmon escapement of 325,000 fish for Karluk Lake late run was based on a maximum sustained yield calculation (McKinly et al. 2019). The Ayakulik late-run sockeye salmon SEG is 60,000 to 120,000 fish. The 2023 targeted sockeye salmon escapement of 90,000 fish for the Ayakulik late run was based on a maximum sustained yield calculation (McKinley et al. 2019).

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### **Karluk Early Run**

The Karluk River weir was fish tight on May 24. Due to weak early sockeye salmon escapement, the initial 57-hour commercial test fishing period in the Northwest Kodiak District was delayed until June 9. The resulting harvest indicated a below-average amount of sockeye salmon traveling along the Westside fishery, and the fishery closed for several days. However, the daily sockeye salmon passage at Karluk River weir increased and the fishery was reopened on June 13 and extended through June 24.

Although the Karluk River sockeye salmon daily escapement looked strong between June 2 and June 16, the resulting commercial salmon harvest remained below average, and by the third week of June daily escapement dropped off considerably. The westside fishery remained closed from June 25 until the first pink salmon commercial salmon fishing period on July 6.

The 2023 Karluk Lake early-run sockeye salmon escapement of 182,429 fish was within the escapement goal range of 150,000 to 250,000 fish (McKinley et al. 2019). From June 1 to July 15, approximately 246,309 sockeye salmon were harvested in the Westside fishery managed for Karluk early-run sockeye and the beginning of the pink salmon fishery (Table 9). Of the early run harvests, approximately 75,087 fish were estimated to be of Karluk Lake origin (*Wattum In prep*).

### **Pink Salmon Run**

On July 6, the majority of the Kodiak Area opened to commercial salmon fishing for 105 hours based on the preseason wild stock pink salmon harvest estimate of 13.8 million fish. The Sturgeon Section of the Southwest Kodiak District remained closed due to weak early chum salmon escapement. Pink salmon harvests for the first pink salmon fishing period were average.

After a two-and-a-half-day closure, the majority of the Westside reopened for 105 hours on July 13. Pink salmon harvests for the second pink salmon fishing period were again below average.

Due to below-average pink salmon harvest numbers and below-average early pink salmon escapement, an extra day closure was added to the pink salmon fishing schedule. The majority of the Westside reopened for 81 hours on July 21. Pink salmon harvests for the third pink salmon fishing period were well below average.

Due to below-average pink salmon harvest numbers and below-average early pink salmon escapement, another extra day closure was added to the pink salmon fishing schedule. The majority of the Westside reopened for 57 hours on July 29. Pink salmon harvests for the fourth pink salmon fishing period were average.

By the end of July, pink salmon escapement increased and the majority of the Westside reopened for 81 hours on August 4. Pink salmon harvests for the fifth pink salmon fishing period were slightly below average.

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After a short closure, pink salmon escapement increased and allowed for more extended fishing time. The majority of the Westside reopened August 10 and remained open for the rest of the westside pink salmon fishery.

In 2023, most of the pink salmon harvested on Westside fisheries (6,617,354), in the Northwest Kodiak District. However, a significant number of pink salmon were harvested in the Inner and Outer Karluk Sections of the Southwest Kodiak District.

### **Karluk Late Run**

ADF&G’s preseason salmon forecasts predicted a surplus (in excess of escapement needs) of late-run sockeye salmon returning to Karluk Lake was 489,000 fish. From August 16 through August 24, most of the Westside is managed based on pink salmon returning to the Northwest Kodiak District and on late-run sockeye salmon returning to the Karluk system. Early Karluk late run sockeye salmon escapement was very strong allowing for extended fishing time throughout most of August on the Westside.

From August 25 through September 5, the majority of the Northwest Kodiak District is managed based on late-run sockeye salmon returning to the Karluk system. By mid-August, Karluk late-run sockeye salmon escapement was well above average, and the Northwest Kodiak District was extended through mid-September. Also, terminal fisheries in the Inner and Outer Karluk Sections were prosecuted to control local sockeye salmon escapement.

The Westside sockeye salmon harvest and escapement continued to be well above average and the majority of the Westside was extended through the end of the salmon season. The Karluk late-run sockeye salmon escapement of 605,468 fish was above the desired escapement goal range of 200,000 to 450,000 fish (McKinley et al. 2019), and the Westside post-July 15 sockeye salmon harvest was approximately 1,285,569 sockeye salmon, which included an estimated 902,012 Karluk late-run sockeye salmon (Wattum *In prep*).

### **Ayakulik**

The 2023 Ayakulik early-run sockeye salmon run was weak and limited fishing periods were prosecuted prior to July 15 in the Outer Ayakulik Section of the Southwest Kodiak District. Through July 15, the cumulative Ayakulik early-run sockeye salmon escapement of 200,143 fish (Fuerst 2021) was within the escapement goal range of 140,000 to 280,000 fish (McKinley et al. 2019).

The 2023 Ayakulik late-run sockeye salmon run was also weak, but commercial seine effort was extremely light and the Outer Ayakulik Section opened along with many of the general pink salmon fishing periods during July and was open for much of August. Additionally, the Halibut Bay Section of the Southwest Kodiak district opened several times during the sockeye salmon late run. The cumulative late-run Ayakulik sockeye salmon escapement of 117,956 fish was within the escapement goal range of 60,000 to 120,000 fish (McKinley et al. 2019).

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The total sockeye salmon escapement through the Ayakulik weir was 318,099 fish and was within the combined early- and late-run escapement goals (200,000 to 400,000 fish; McKinley et al. 2019). For the season, 179,687 sockeye salmon were harvested in areas managed based on Ayakulik sockeye salmon (Table 9).

In 2023, a total of 3,485 landings were made in Westside Kodiak management units (Southwest Afognak to Ayakulik<sup>1</sup>) consisting of a total commercial harvest of 10,125,271 salmon, including 5,472 Chinook, 1,909,630 sockeye, 110,933 coho, 7,800,933 pink, and 298,303 chum salmon (Appendix E3). There were 142 seine permit holders that made 1,728 landings with a harvest of 5,356 Chinook, 1,527,799 sockeye, 89,279 coho, 7,264,062 pink, and 219,108 chum salmon (Appendix E4). There were 79 set gillnet permit holders that made 1,757 landings for 116 Chinook, 381,831 sockeye, 21,654 coho, 536,871 pink, and 79,195 chum salmon. Commercial salmon harvests, by gear type, for individual Westside Kodiak management units can be found in Appendices E5 and E6.

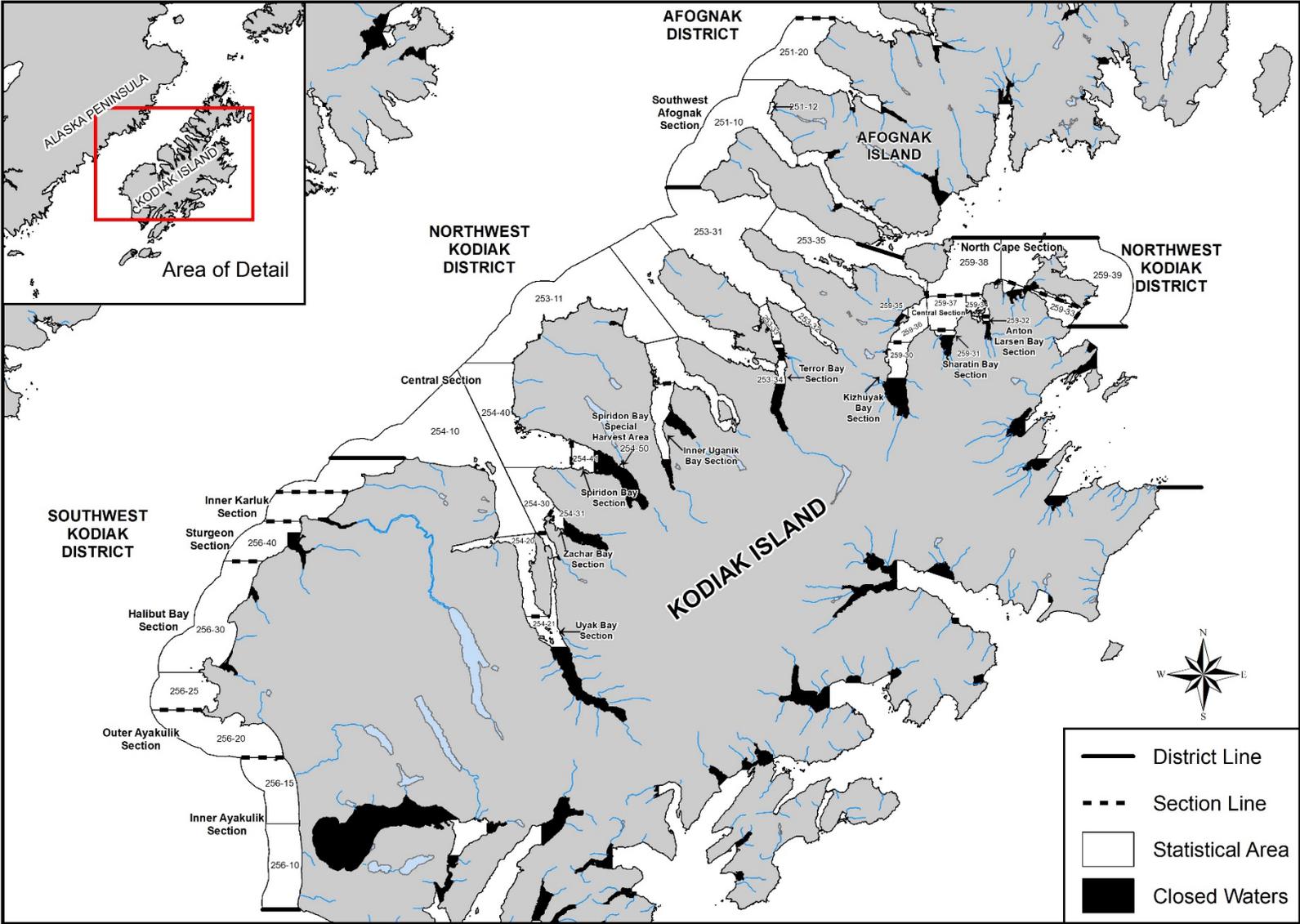
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<sup>1</sup> Westside Kodiak salmon harvest totals in Appendix E do not include salmon taken in the Spiridon Bay Special Harvest Area (SBSHA). Sockeye salmon from an enhancement project return to this area. SBSHA is managed under a separate plan; see Appendix H for a description of the SBSHA fishery. These tables do include sockeye salmon destined for Spiridon Bay that were caught outside the SBSHA in the Westside fishery. These totals also do not include salmon taken in Settler Cove (259-35). Commercial fisheries in Settler Cove are managed under a separate plan.

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, 1990–2023.

Year	Permits	Landings	Number of salmon					Total
			Chinook	Sockeye	Coho	Pink	Chum	
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
2016	237	4,326	3,253	1,109,165	133,375	1,421,142	204,317	2,871,252
2017	244	7,910	4,612	1,760,513	232,102	16,482,110	519,676	18,999,013
2018	235	4,056	1,911	1,398,751	191,060	1,868,851	182,950	3,643,523
2019	265	6,703	4,662	1,485,738	196,875	17,494,381	300,808	19,482,464
2020	218	4,326	4,440	972,323	177,465	13,190,471	130,418	14,475,117
2021	231	3,720	7,055	2,314,008	122,712	6,607,569	237,080	9,288,424
2022	234	4,205	3,359	1,644,619	65,225	7,344,087	206,954	9,264,244
2023	221	3,485	5,472	1,909,630	110,933	7,800,933	298,303	10,125,271
Average								
2013–2022	243	5,298	5,147	1,661,239	165,626	8,460,485	266,872	10,559,369
1990–2022	277	7,018	10,442	1,730,690	146,842	7,640,902	302,910	9,831,787

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.

Appendix E4.—Commercial salmon harvest, by gear type and species, for Westside management units, 2023.

Gear	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		Total	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
<u>Seine</u>	142	1,728	5,356	29,684	1,527,799	7,141,217	89,279	575,439	7,264,062	23,227,508	219,108	1,516,138	9,105,604	32,489,986
Average weight (lb)				5.54		4.67		6.45		3.20		6.92		
<u>Set gillnet</u>	79	1,757	116	1,035	381,831	1,963,333	21,654	130,304	536,871	1,846,770	79,195	527,624	1,019,667	4,469,066
Average weight (lb)				8.92		5.14		6.02		3.44		6.66		
Grand total	221	3,485	5,472	30,719	1,909,630	9,104,550	110,933	705,743	7,800,933	25,074,278	298,303	2,043,762	10,125,271	36,959,052
Average weight (lb)				5.61		4.77		6.36		3.21		6.85		

*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, 2023.

Management unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Southwest	14-Jun <sup>a</sup>												
Afognak	17-Jun <sup>a</sup>												
Section	19-Jun <sup>a</sup>												
	20-Jun <sup>a</sup>												
	6-Jul	3	3	2	30	1,028	5,097	11	90	6,420	17,665	1,868	16,655
	7-Jul <sup>a</sup>												
	8-Jul <sup>a</sup>												
	9-Jul <sup>a</sup>												
	10-Jul <sup>a</sup>												
	13-Jul	8	8	4	18	11,650	54,253	718	4,729	21,711	65,024	2,413	17,225
	14-Jul <sup>a</sup>												
	15-Jul	15	15	120	820	24,180	122,671	1,265	7,505	29,247	97,331	3,399	22,800
	16-Jul	6	6	26	126	4,367	21,469	276	1,758	5,723	14,688	972	7,246
	17-Jul	7	7	20	102	5,687	28,420	353	2,330	5,682	16,348	2,803	21,633
	21-Jul	7	7	26	157	2,434	11,387	1,100	6,188	11,212	38,343	1,002	6,872
	22-Jul	3	3	0	0	674	3,889	367	1,795	1,052	3,607	266	1,709
	23-Jul	7	7	73	570	3,960	18,704	1,014	6,925	19,889	64,994	1,252	9,397
	24-Jul <sup>a</sup>												
	29-Jul	7	7	12	97	5,446	24,353	789	5,242	32,935	101,473	1,121	7,430
	30-Jul <sup>a</sup>												
	31-Jul	4	4	9	67	2,237	10,256	190	1,320	15,343	42,786	319	2,364
	4-Aug	3	3	0	0	1,499	6,034	110	861	22,786	68,365	325	2,578
	10-Aug <sup>a</sup>												
	11-Aug <sup>a</sup>												
	12-Aug <sup>a</sup>												
	13-Aug <sup>a</sup>												
	14-Aug <sup>a</sup>												
	15-Aug	6	6	0	0	454	2,220	444	3,058	39,413	122,105	490	3,550
	16-Aug <sup>a</sup>												

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Management unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Southwest	17-Aug	3	3	0	0	164	930	83	703	4,539	12,431	111	864
Afognak	18-Aug <sup>a</sup>												
Section (cont.)	19-Aug <sup>a</sup>												
	20-Aug <sup>a</sup>												
	23-Aug <sup>a</sup>												
	24-Aug <sup>a</sup>												
	30-Aug <sup>a</sup>												
	31-Aug <sup>a</sup>												
Total		41	109	303	2,067	74,411	358,940	8,070	49,993	333,002	1,027,568	20,920	155,652
Average weight (lb.)					6.82		4.82		6.19		3.09		7.44
Northwest	9-Jun	18	18	10	37	6,016	27,207	0	0	96	231	563	3,580
Kodiak	10-Jun	3	3	4	28	2,557	10,874	24	170	7	21	53	338
District <sup>b</sup>	13-Jun <sup>a</sup>												
	14-Jun	7	7	3	15	3,478	15,830	0	0	101	329	508	3,361
	15-Jun <sup>a</sup>												
	16-Jun <sup>a</sup>												
	17-Jun	6	6	3	11	1,167	5,258	0	0	184	567	412	3,128
	18-Jun	7	7	11	43	2,531	12,151	0	0	320	1,036	1,176	7,686
	19-Jun <sup>a</sup>												
	20-Jun	5	5	40	225	1,840	8,540	0	0	667	1,789	1,894	11,715
	21-Jun <sup>a</sup>												
	22-Jun <sup>a</sup>												
	23-Jun	4	4	0	0	198	760	0	0	85	270	75	470
	24-Jun	5	5	1	4	447	1,782	0	0	414	998	617	4,064
	6-Jul	30	30	214	920	22,188	110,234	436	2,413	60,555	201,428	13,797	96,615

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Management unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Northwest	7-Jul	17	17	31	158	10,112	51,189	25	203	32,499	108,837	9,000	63,563
Kodiak	8-Jul	19	20	57	283	9,784	47,583	80	519	44,707	154,130	8,058	61,149
District <sup>b</sup>	9-Jul	24	26	10	79	12,367	60,641	47	357	65,417	209,417	9,421	70,803
(continued)	10-Jul	22	22	81	348	8,980	38,275	434	1,744	32,085	93,577	8,296	59,090
	13-Jul	35	35	240	1,129	33,499	149,888	2,949	18,978	65,027	205,949	10,092	69,094
	14-Jul	13	13	132	603	6,736	31,427	274	1,972	11,139	37,731	2,991	20,335
	15-Jul	24	24	56	171	21,264	104,800	687	4,538	40,118	124,169	6,446	43,003
	16-Jul	16	16	54	422	19,020	90,799	1,173	6,374	47,317	139,257	6,112	40,754
	17-Jul	28	28	54	285	8,821	36,886	769	5,126	22,919	69,181	4,131	27,135
	21-Jul	33	33	172	1,088	20,517	87,395	5,252	29,283	52,360	174,843	7,963	52,703
	22-Jul	17	18	41	243	4,811	20,908	1,408	7,051	22,243	62,374	6,027	27,653
	23-Jul	43	45	133	956	23,498	105,144	3,779	22,227	91,357	274,814	9,392	61,605
	24-Jul	13	13	11	111	2,146	8,784	367	1,924	16,783	36,850	1,781	10,754
	29-Jul	30	33	175	1,291	19,546	90,480	1,897	12,552	203,213	662,631	6,092	44,170
	30-Jul	22	24	94	566	8,237	38,089	1,103	7,162	121,204	351,660	1,994	14,062
	31-Jul	26	26	25	158	8,103	36,146	984	6,774	83,816	251,846	1,263	9,563
	3-Aug <sup>a</sup>												
	4-Aug	22	22	17	149	13,501	63,834	526	3,440	118,776	386,447	2,417	16,828
	5-Aug	22	25	44	229	10,913	48,730	1,023	6,558	129,267	413,854	3,306	22,702
	6-Aug	31	33	18	103	9,039	42,509	1,387	8,221	205,792	616,555	4,712	30,669
	7-Aug	33	33	37	245	5,201	22,340	1,044	6,443	161,932	507,677	3,418	22,719
	10-Aug	22	23	6	82	9,902	40,303	301	1,652	142,336	468,561	1,095	7,277
	11-Aug	22	23	0	0	7,197	33,956	452	2,598	119,499	378,325	1,608	7,916
	12-Aug	28	28	32	551	5,215	23,239	1,166	7,029	176,467	582,733	2,857	19,738
	13-Aug	26	27	5	36	12,640	68,389	789	5,066	197,201	622,443	2,415	16,968
	14-Aug	26	27	16	143	5,258	25,558	720	4,872	172,666	565,915	971	6,997
	15-Aug	16	17	0	0	3,437	17,445	466	3,317	93,582	302,226	741	4,847
	16-Aug	12	12	0	0	1,899	9,251	218	1,317	40,877	119,591	321	2,000
	17-Aug	17	19	6	46	7,880	39,950	461	3,021	184,363	613,307	526	3,850

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Management unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Inner and Outer	15-Jun <sup>a</sup>												
	16-Jun	4	4	3	14	1,734	7,364	0	0	92	264	489	3,246
Karluk	18-Jun	5	5	3	15	2,311	11,054	0	0	182	556	1,140	7,306
Section	19-Jun <sup>a</sup>												
	20-Jun	6	6	0	0	4,179	16,810	0	0	398	1,143	1,666	11,980
	22-Jun <sup>a</sup>												
	23-Jun <sup>a</sup>												
	6-Jul	5	5	0	0	5,463	22,279	8	38	6,659	22,061	2,173	15,539
	7-Jul	3	3	5	31	5,061	18,733	0	0	4,352	13,932	1,112	7,792
	8-Jul <sup>a</sup>												
	9-Jul	4	4	2	16	3,400	14,940	2	9	2,978	9,407	666	5,379
	4-Aug	8	8	0	0	8,490	39,152	303	1,888	72,008	229,841	629	4,294
	5-Aug	5	5	0	0	6,641	32,978	377	2,296	66,236	205,298	663	4,308
	6-Aug	8	8	1	5	11,823	48,170	566	2,320	59,184	193,225	1,836	12,924
	7-Aug	4	4	0	0	3,476	16,649	105	662	33,397	101,831	336	2,224
	10-Aug	4	4	0	0	9,086	46,746	272	1,905	33,181	121,750	501	3,982
	11-Aug <sup>a</sup>												
	12-Aug <sup>a</sup>												
	13-Aug <sup>a</sup>	5	5	0	0	7,641	30,581	171	884	32,614	103,322	270	1,935
	14-Aug	3	3	0	0	2,458	11,171	53	310	11,240	42,197	78	471
	15-Aug	19	19	2	10	32,525	153,308	593	3,674	99,250	325,536	743	5,057
	16-Aug	6	6	0	0	21,890	102,782	50	376	8,793	32,312	207	1,438
	17-Aug <sup>a</sup>												
	18-Aug	11	13	0	0	16,293	79,567	279	1,621	130,183	433,073	372	2,267
	19-Aug	10	11	0	0	10,200	59,103	318	1,933	80,611	241,167	250	2,003
	20-Aug	15	17	0	0	15,304	80,781	558	3,621	177,483	538,346	601	4,444
	21-Aug	17	17	9	68	13,606	68,936	935	6,123	105,850	358,119	414	2,853
	22-Aug	19	21	11	88	19,538	93,218	932	6,529	142,613	454,164	525	3,623
	23-Aug	17	19	0	0	12,462	63,142	550	3,814	181,836	571,552	327	2,594

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Management unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Inner and	24-Aug	16	16	0	0	40,049	181,437	311	2,039	89,477	291,237	526	3,507
Outer	25-Aug	12	12	0	0	24,654	128,392	314	2,196	35,831	113,323	767	5,545
Karluk	26-Aug	7	7	0	0	9,159	48,239	295	1,816	27,833	102,518	237	1,466
Section	27-Aug	4	4	0	0	2,927	11,714	167	1,306	14,118	42,405	69	546
(continued)	28-Aug	3	3	0	0	1,495	8,459	106	679	14,010	44,518	63	415
	29-Aug	6	6	0	0	10,102	43,232	550	3,929	61,176	183,527	410	3,023
	30-Aug	17	17	4	35	25,348	123,572	661	4,279	38,570	132,056	332	2,365
	31-Aug	6	6	0	0	8,573	41,488	295	2,469	23,682	76,168	88	809
	1-Sep	6	6	0	0	24,816	120,997	753	4,714	14,515	48,096	395	2,699
	2-Sep	5	5	0	0	10,183	45,207	244	1,790	7,342	24,577	121	769
	3-Sep	10	10	0	0	22,722	91,472	515	3,664	14,013	49,092	231	1,625
	4-Sep	3	3	0	0	1,628	8,248	102	732	1,055	3,554	32	231
	5-Sep <sup>a</sup>												
	6-Sep	4	4	0	0	24,518	95,491	674	5,195	3,735	12,935	126	901
	7-Sep	5	6	0	0	17,124	64,815	535	4,054	1,481	4,599	34	237
	8-Sep	7	7	2	15	8,335	34,206	1,125	8,873	1,302	4,295	88	616
	9-Sep <sup>a</sup>												
	10-Sep <sup>a</sup>												
	11-Sep	4	4	0	0	7,791	33,899	595	3,545	1,000	3,131	37	243
	12-Sep	8	8	2	14	48,681	236,118	3,084	22,662	2,515	8,307	144	1,102
	13-Sep	4	4	2	6	23,137	107,254	1,904	11,282	2,055	6,370	143	950
	18-Sep <sup>a</sup>												
	19-Sep	6	6	9	69	55,536	259,819	2,098	14,876	423	1,245	118	823
	22-Sep <sup>a</sup>												
	24-Sep	6	6	0	0	20,712	103,943	798	6,138	87	305	37	261
	27-Sep <sup>a</sup>												
Total		62	346	64	433	621,621	2,897,914	22,263	151,515	1,656,847	5,322,523	20,658	144,857
Average weight (lb)					6.77		4.66		6.81		3.21		7.01

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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 cont. (256-10-40)	22-Jun <sup>a</sup>												
	23-Jun	21	23	3	11	14,656	64,821	1	4	738	2,141	1,300	9,470
	24-Jun <sup>a</sup>												
	6-Jul	10	10	41	252	27,996	133,166	45	314	5,498	16,198	1,452	11,218
	7-Jul <sup>a</sup>												
	8-Jul <sup>a</sup>												
	13-Jul	9	9	24	146	21,212	105,423	327	2,252	11,661	40,068	2,058	14,800
	14-Jul <sup>a</sup>												
	15-Jul	6	7	0	0	28,858	117,799	69	364	17,567	54,775	2,036	13,821
	16-Jul	5	5	0	0	9,250	39,528	1	10	5,904	16,911	1,382	7,797
	17-Jul <sup>a</sup>												
	21-Jul	12	12	6	45	35,234	169,958	531	3,398	10,494	33,970	1,532	11,144
	22-Jul	5	5	2	10	6,016	29,604	197	1,255	3,474	10,735	718	5,038
	23-Jul	6	6	1	9	8,660	41,324	253	1,341	6,970	16,960	934	6,843
	4-Aug <sup>a</sup>												
	5-Aug	3	3	0	0	3,150	16,623	109	675	7,345	24,722	5,134	40,251
	6-Aug	8	10	4	38	21,571	121,509	389	2,972	25,062	81,790	2,126	15,796
	7-Aug	5	5	0	0	4,522	20,389	207	1,253	6,443	23,873	417	2,663
	10-Aug	4	4	0	0	7,188	29,505	174	1,180	14,374	45,618	292	2,089
	11-Aug	3	3	0	0	2,098	10,182	46	288	10,919	38,787	71	507
	12-Aug	3	3	0	0	2,375	13,513	93	686	17,359	52,077	87	785
	14-Aug	4	4	0	0	9,006	39,414	225	1,062	17,293	54,675	228	1,159
15-Aug <sup>a</sup>													
16-Aug <sup>a</sup>													
17-Aug <sup>a</sup>													
19-Aug	4	4	20	177	7,328	31,072	165	982	14,362	51,821	51	341	
20-Aug <sup>a</sup>													
21-Aug <sup>a</sup>													
22-Aug	4	6	10	91	5,107	26,442	300	2,010	68,834	217,107	310	1,956	

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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	23-Aug	3	3	0	0	2,912	14,474	68	412	53,333	163,732	122	737
	24-Aug <sup>a</sup>												
Kodiak District (256-10, 15, 20, 25, 30, 40)	25-Aug	3	3	0	0	4,133	19,667	26	120	13,100	46,471	60	476
	26-Aug <sup>a</sup>												
	28-Aug <sup>a</sup>												
	30-Aug <sup>a</sup>												
	1-Sep <sup>a</sup>												
	3-Sep <sup>a</sup>												
	5-Sep <sup>a</sup>												
	9-Sep <sup>a</sup>												
	19-Sep <sup>a</sup>												
Total		48	151	156	1,182	264,281	1,232,833	6,835	43,008	431,219	1,388,565	23,079	166,876
Average weight (lb)					7.57		4.66		6.29		3.22		7.23
Grand total		142	1,759	2,469	15,249	1,530,686	7,155,652	89,279	575,439	7,264,062	23,227,508	219,108	1,516,138

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

<sup>a</sup> Confidential.

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

Appendix E6.—Set gillnet salmon harvest, by species, for Westside Management Plan units, 2023.

Management unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Northwest	9-Jun	22	23	0	0	3,538	17,109	0	0	10	32	38	244
Kodiak District <sup>b</sup>	10-Jun	17	18	1	7	4,166	20,295	0	0	2	6	75	451
	11-Jun	7	8	0	0	3,004	14,155	0	0	7	28	112	816
	13-Jun	23	26	0	0	3,867	19,315	0	0	75	250	763	4,112
	14-Jun	21	21	0	0	4,872	24,359	0	0	66	219	659	3,479
	15-Jun	16	16	2	22	1,996	9,966	0	0	86	284	444	2,666
	16-Jun	11	12	2	23	1,070	5,343	0	0	69	217	101	580
	17-Jun	18	18	1	7	2,682	13,426	0	0	112	367	544	3,146
	18-Jun	16	17	0	0	1,849	9,342	0	0	192	685	608	3,702
	19-Jun	18	19	2	12	2,499	12,576	0	0	220	735	715	4,274
	20-Jun	18	18	4	27	1,430	7,299	0	0	207	687	875	5,098
	21-Jun	23	25	3	22	2,034	10,225	0	0	489	1,696	892	5,215
	22-Jun	17	18	0	0	1,329	6,659	0	0	433	1,421	274	1,572
	23-Jun	22	23	3	33	1,658	8,350	0	0	513	1,871	582	3,539
	24-Jun	8	9	0	0	379	1,925	0	0	189	674	198	1,275
	6-Jul	31	36	1	6	6,954	35,091	9	29	9,796	32,312	3,052	19,324
	7-Jul	33	42	1	5	10,548	53,322	7	35	15,794	51,664	6,104	40,076
	8-Jul	31	38	3	46	8,849	45,005	17	91	12,875	42,037	5,023	32,460
	9-Jul	34	44	3	51	9,525	49,315	68	270	10,291	33,757	4,169	29,515
	10-Jul	31	34	6	35	4,174	21,174	28	152	6,623	22,888	2,287	14,968
	13-Jul	34	40	8	78	7,796	39,598	102	538	4,761	16,087	3,107	20,507
	14-Jul	38	42	4	34	11,398	57,927	308	1,784	6,820	23,487	3,746	24,649
	15-Jul	39	51	6	91	11,013	57,492	233	1,368	6,363	22,244	2,355	16,098
	16-Jul	39	49	10	71	19,081	101,596	305	1,736	9,219	33,115	4,602	32,133
	17-Jul	22	27	10	103	7,223	38,348	186	1,043	5,807	20,943	2,518	18,056
	21-Jul	36	40	0	0	9,422	50,305	632	3,608	7,431	25,718	2,955	19,913
	22-Jul	38	45	1	7	10,942	57,240	980	5,436	9,098	33,406	2,859	19,653
	23-Jul	41	52	11	73	8,912	46,736	943	5,548	9,552	34,140	3,305	22,875
	24-Jul	24	30	0	0	4,330	22,598	347	1,888	5,268	19,139	1,273	9,049

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Management unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Northwest	29-Jul	44	55	0	0	10,018	50,973	1,117	6,717	20,229	69,119	3,955	25,291
Kodiak District <sup>b</sup>	30-Jul	36	45	5	64	10,516	53,734	1,101	6,698	21,523	77,227	3,193	21,179
(continued)	31-Jul	23	29	1	8	2,672	13,643	254	1,429	7,871	27,618	627	4,360
	4-Aug	40	60	2	14	12,220	62,027	471	2,883	19,271	64,560	2,175	14,096
	5-Aug	30	38	9	54	9,253	46,281	400	2,409	14,646	52,611	1,978	13,771
	6-Aug	32	38	0	0	8,450	42,816	443	2,736	15,190	54,341	1,994	14,506
	7-Aug	21	25	0	0	2,650	14,382	335	1,950	8,839	33,614	1,004	7,498
	10-Aug	39	103	5	42	17,336	87,719	1,148	7,066	51,366	163,473	2,589	16,585
	11-Aug	25	26	0	0	8,671	44,763	494	2,904	15,678	55,446	994	7,140
	12-Aug	30	31	0	0	4,792	24,812	465	2,788	12,640	43,145	1,143	7,905
	13-Aug	22	23	0	0	3,017	15,194	368	2,200	8,761	30,976	656	4,495
	14-Aug	25	29	3	32	6,732	34,331	598	3,507	12,160	42,543	751	5,307
	15-Aug	15	15	0	0	1,965	10,114	178	1,005	3,723	13,296	264	1,724
	16-Aug	17	18	2	15	4,303	22,309	190	1,152	7,009	25,309	235	1,628
	17-Aug	20	24	2	15	11,036	57,190	653	3,661	18,209	62,447	532	3,234
	18-Aug	24	30	0	0	8,252	41,992	495	3,075	18,442	63,465	283	1,955
	19-Aug	25	27	0	0	4,724	23,484	408	2,367	12,092	41,890	329	1,883
	20-Aug	17	21	1	4	5,428	28,818	420	2,476	11,137	39,381	239	1,697
	21-Aug	22	27	0	0	5,093	26,123	468	2,818	14,388	49,300	239	1,600
	22-Aug	16	17	0	0	1,946	10,205	225	1,335	6,724	23,977	67	486
	23-Aug	21	21	0	0	2,843	14,724	411	2,567	6,817	23,441	135	943
	24-Aug	14	14	0	0	991	5,055	334	1,962	5,507	19,857	68	477
	25-Aug	21	26	0	0	5,970	30,679	775	4,721	15,042	52,711	341	2,184
	26-Aug	20	24	1	5	5,352	28,121	570	3,431	15,732	55,615	175	1,296
	27-Aug	17	20	1	7	8,563	44,869	621	3,730	15,135	52,727	193	1,354
	28-Aug	19	26	0	0	8,090	42,415	689	4,321	10,832	35,574	142	959
	29-Aug	18	19	0	0	3,551	18,156	412	2,627	9,008	29,196	73	492
	30-Aug	14	16	0	0	4,961	25,862	362	2,241	3,862	13,068	56	402
	31-Aug	10	11	2	22	3,077	15,770	343	2,221	2,241	7,462	54	347

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Management unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Northwest	1-Sep	11	13	0	0	8,138	42,076	804	5,135	8,720	29,627	145	1,031
Kodiak District <sup>b</sup>	2-Sep	11	13	0	0	9,156	47,825	710	4,713	9,395	31,814	116	827
	3-Sep	11	11	0	0	4,420	22,633	372	2,395	5,293	18,096	80	559
	4-Sep	12	12	0	0	7,156	37,639	456	2,918	5,135	17,124	79	594
	5-Sep	7	7	0	0	2,718	14,448	179	1,181	1,837	6,414	39	271
	7-Sep <sup>a</sup>												
	10-Sep <sup>a</sup>												
Total		79	1,757	116	1,035	381,831	1,963,333	21,654	130,304	536,871	1,846,770	79,195	527,624
Average weight (lb)					8.92		5.14		6.02		3.44		6.66

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

<sup>a</sup> Confidential.

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

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

## INTRODUCTION

In 1988, there was a significant harvest of large (greater than 6 lb) sockeye salmon in management units bordering the northern portion of Shelikof Strait (Appendix F2). Analysis of average weights, age composition of the harvest, review of past tagging studies, and estimates of migratory timing led to the determination that the majority of these sockeye salmon were bound for Cook Inlet (Barrett 1989). Subsequently, the Board of Fisheries determined that an expanded, nontraditional harvest pattern had developed in the Kodiak Management Area (KMA). In 1990, the *North Shelikof Strait Sockeye Salmon Management Plan* (NSSSSMP; 5 AAC 18.363) was adopted into regulation. This management plan remained largely unchanged until the 2020 Kodiak Board of Fisheries Meeting where the board expanded the area and timeframe covered by the NSSSSMP.

The NSSSSMP limits purse seine fishing opportunities in those sections of the KMA bordering the north Shelikof Strait (those waters of Shelikof Strait from Kilokak Rocks 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 August 1 and establishes 3 specific sockeye salmon harvest “triggers” for defined management units within the affected zone. These triggers were established to reduce the harvest of Cook Inlet-bound sockeye salmon that migrate through the Shelikof Strait. The Southwest Afognak management unit (composed of the Southwest Afognak Section), the North Shelikof management unit (made up of the Alinchak Bay, Katmai, 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), and the Cape Igvak Management Unit (composed of the Cape Igvak Section). Each management unit has a separate sockeye salmon harvest trigger (Appendix F2). If the sockeye salmon harvest within a unit reaches the established trigger, the commercial fishing opportunities within that unit are restricted.

By regulation, “seaward zones” are established in each management unit. These zones are made up of all waters seaward of a line that is drawn from cape to cape.<sup>1</sup> The seaward zone of the Southwest Afognak management unit closes to fishing if 50,000 sockeye salmon are harvested between July 6 and July 25. The seaward zone of the North Shelikof management unit closes to fishing if 20,000 sockeye salmon are harvested between July 6 and August 1. The seaward zone of the Cape Igvak management closes to fishing if 20,000 sockeye salmon are harvested between July 6 through August 1. 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 et al. 2023).

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<sup>1</sup> In 1993, the seaward zone boundary of the Southwest Afognak unit was modified by the Alaska Board of Fisheries. The seaward zone boundary was moved ½ mile offshore of the line running cape to cape in order to allow for traditional harvest opportunities of pink salmon. In 2008, the seaward zone boundary of that portion of the North Shelikof unit in the Northwest Afognak Section was moved ½ mile offshore of the line running cape to cape in order to allow for traditional pink salmon harvest opportunities.

In the 30 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 previously only closed three times (in 1992, 1993, and 2003; Appendix F5).

#### **First Fishing Period (July 6 to 10)**

North Shelikof management unit and Cape Igvak management unit harvests were confidential for the first fishing period because fewer than 3 permits made deliveries (Appendix F6, F7). Fishing effort was average in the Southwest Afognak management unit with 7 permits harvesting 6 Chinook, 4,893 sockeye, 56 coho, 22,704 pink, and 3,848 chum salmon (Appendix F8).

#### **Second Fishing Period (July 13 to 17)**

During the second fishing period, the number of the vessels fishing in the North Shelikof management unit increased along with harvest rates of sockeye salmon. By the morning of July 15, ADF&G determined that the 20,000-fish harvest trigger for the North Shelikof management units would be reached, and at 8:30 AM, it was announced that the seaward zones would close at 11:30 AM. During the second fishing period, 12 permit holders harvested 29 Chinook, 27,462 sockeye, 367 coho, 26,345 pink, and 4,987 chum salmon (Appendix F6).

Fishing effort remained low in the Cape Igvak management unit during the second fishing period and harvests were confidential. There was an increase in fishing effort and harvest rates within the Southwest Afognak management unit during the second fishing period. By the afternoon of July 17, ADF&G determined that the 50,000 fish harvest trigger for the North Shelikof management units would be reached, and at 2:00 PM, it was announced that the seaward zones would close at 5:00 PM. This was only the second time in the past 20 years that the seaward zones were closed in the SW Afognak management unit (Appendix F5). For the second fishing period 21 permit holders harvested 170 Chinook, 47,406 sockeye, 2,652 coho, 64,846 pink, and 9,869 chum salmon (Appendix F8).

#### **Third Fishing Period (July 21 to 24)**

Effort in the third period within the North Shelikof management unit decreased from the second fishing period. During the third period 3 permit holders harvested 87 Chinook, 3,442 sockeye, 381 coho, 12,817 pink, and 855 chum salmon (Appendix F6).

Fishing effort remained low in the Cape Igvak management unit and harvests were confidential during the fishing period. Fishing effort in the Southwest Afognak Section decreased from the previous fishing period with 10 permit holders harvesting 102 Chinook, 7,425 sockeye, 2,565 coho, 34,571 pink, and 2,570 chum salmon (Appendix F8).

#### **Fourth Fishing Period (July 29 to 31)**

Fishing effort remained steady in the North Shelikof management unit during the fourth fishing period. From July 29 to July 31, 3 permit holders harvested 4 Chinook, 847 sockeye, 221 coho, 13,261 pink, and 18,540 chum salmon in the North Shelikof management unit (Appendix F6). Fishing effort remained low in the Cape Igvak management unit and harvests were confidential during the fishing period.

### **Season Totals**

Within the North Shelikof management unit, for the time period from July 6 through August 1, 15 permit holders harvested a total of 120 Chinook, 32,710 sockeye, 969 coho, 52,523 pink, and 24,409 chum salmon (Appendices F3 and F6). The average weight of the sockeye salmon harvested in the North Shelikof Unit was 4.48 lb (Appendix F6).

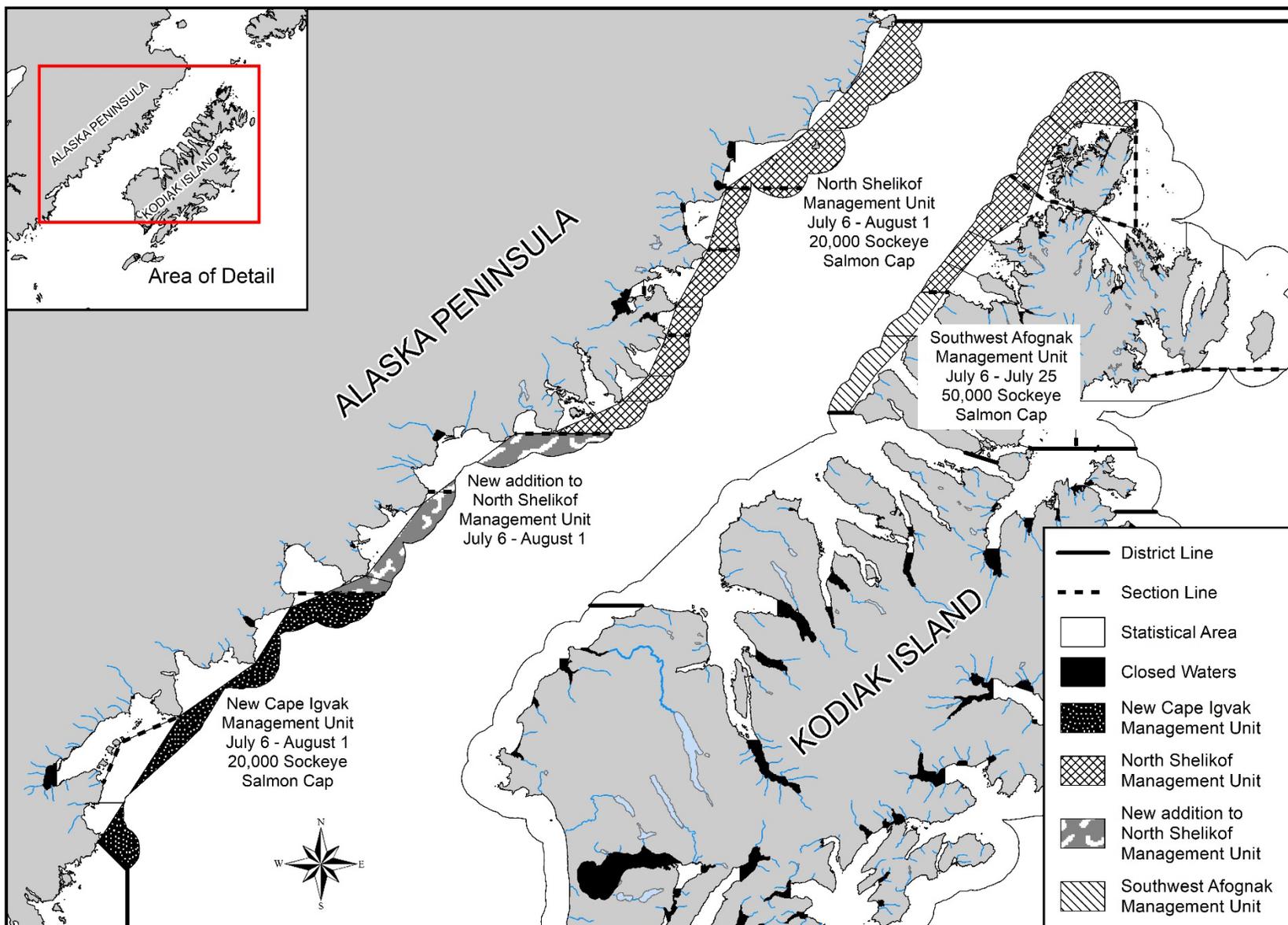
In the Cape Igvak management unit, from July 6 through August 1, 5 permit holders harvested 42 Chinook, 12,502 sockeye, 1,368 coho, 26,353 pink and 4,320 chum salmon (Appendix F7).

The 2023 Southwest Afognak Unit harvest for the time period from July 6 through July 25 totaled 278 Chinook, 59,724 sockeye, 5,273 coho, 122,121 pink, and 16,287 chum salmon taken by 29 permit holders (Appendices F5 and F8). The average weight of the sockeye salmon harvested in the Southwest Afognak management unit was 4.90 lb (Appendix F8).

### **REFERENCES CITED**

- Barrett, B. M. 1989. North Shelikof Strait 1988 sockeye catch distribution, timing, and stock composition. Alaska Department of Fish and Game, Division of Commercial Fisheries, Regional Information Report No. 4K88-6, Kodiak.
- Jackson, J., A. E. Dorner, and B. A. Fuerst. 2023. Kodiak management area harvest strategy for the 2023 commercial salmon fishery. Alaska Department of Fish and Game, Division of Commercial Fisheries, Regional Information Report No. 4K23-01, Kodiak.

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, 2003–2023.

Year	Mainland		N. Afognak		Zone closure		Estimated Sockeye sockeye harvest at time of zone closure	Number of vessels	Total salmon harvest by species: July 6 through July 25					Upper Cook Inlet sockeye harvest (in millions)
	# of days open to fishing	# of days Seaward Zone closed	# of days open to fishing	# of days Seaward Zone closed	Date	Time			Chinook	Sockeye	Coho	Pink	Chum	
	2003	7.1	5.1	13.1	11.1	8-Jul			12:00 PM	16,448	37	120	33,122	
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
2016	7.1	4.7	11.1	9.0	8-Jul	9:00 PM	14,591	24	387	101,856	2,406	24,579	11,566	2.4
2017	7.1	3.4	13.1	5.4	14-Jul	1:00 PM	17,401	35	457	67,843	2,258	74,592	33,248	1.8
2018	7.1	0.0	7.1	0.0	25-Jul	8:00 PM	15,999	16	307	16,066	1,097	20,479	6,073	0.8
2019	7.1	2.0	13.1	4.0	20-Jul	8:00 PM	14,164	21	76	55,926	1,513	183,281	8,086	1.7
2020 <sup>a</sup>	9.5	6.6	12.5	8.6	13-Jul	11:30 PM	17,945	32	846	96,593	5,296	336,147	13,692	0.7
2021	9.5	2.6	8.9	7.3	22-Jul	3:00 PM	19,848	19	25	20,083	769	50,138	4,356	1.4
2022	9.5	2.7	8.7	3.7	22-Jul	1:00 PM	17,310	16	8	17,720	177	35,657	13,569	1.1
2023	9.5	5.1	14.5	8.1	15-Jul	11:30 AM	28,421	15	120	32,710	969	52,523	24,409	1.5

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 July 6 through July 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).

<sup>a</sup> Beginning in 2023, the Katmai and Alinchak Bay Sections were added to the North Shelikof management unit and the harvest limit was increased from 15,000 sockeye salmon to the new harvest limit of 20,000 sockeye salmon. The Cape Igvak Section was added as well with a harvest limit of 20,000 sockeye salmon. Additionally, the North Shelikof management unit is now managed from July 6 through August 1; previously, this management plan ended on July 25.

Appendix F4.—Summary of fishing time, zone closures, effort, and harvest by species, for the Cape Igvak management unit of the Kodiak Management Area, 2020–2023.

Year	Cape Igvak		Zone closure		Estimated Sockeye 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	Date	Time			Chinook	Sockeye	Coho	Pink	Chum	
2020	9.5	0.0	none	none	no closure	10	100	4,000	337	7,181	1,704	0.7
2021	9.5	0.0	none	none	no closure	7	16	1,681	458	6,060	3,092	1.4
2022	9.5	0.0	none	none	no closure	8	141	19,799	176	8,252	2,238	1.1
2023	9.5	0.0	none	none	no closure	5	42	12,502	1,368	26,353	4,320	1.5

Appendix F5.—Summary of fishing time, zone closures, effort, and harvest by species, for the Southwest Afognak management unit of the Kodiak Management Area, 2003–2023.

Year	# of days open to fishing	# of days Seaward Zone closed	Zone closure		Estimated 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	
2003	13.1	6.4	16-Jul	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
2016	11.1	0.0	none	none	no closure	28	35	19,239	745	51,034	4,442	2.4
2017	13.1	0.0	none	none	no closure	27	303	20,694	1,665	190,294	14,136	1.8
2018	8.6	0.0	none	none	no closure	5	10	936	406	2,672	747	0.8
2019	14.3	0.0	none	none	no closure	44	254	51,743	1,925	519,913	6,239	1.7
2020	10.1	0.0	none	none	no closure	20	377	11,807	4,197	86,815	6,905	0.7
2021	11.1	0.0	none	none	no closure	22	2,558	23,298	1,236	59,110	5,305	1.4
2022	8.6	0.0	none	none	no closure	18	79	20,766	88	45,676	5,214	1.1
2023	12.1	3.5	17-Jul	5:00 PM	51,215	29	278	59,724	5,273	122,121	16,287	1.5

Note: In 1988, the Upper Cook Inlet sockeye salmon run was very strong, with a commercial harvest of approximately 6,800,000 sockeye salmon. In the Kodiak Area, within the North Shelikof management unit from July 6 through July 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 F6.—Daily salmon harvest by species for the North Shelikof management units of the North Shelikof Strait Sockeye Salmon Management Plan, 2023.

Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
First period (July 6–July 10)												
6-Jul <sup>a</sup>												
Total <sup>a</sup>												
Average weight (lb)												
Second period (July 13–July 17)												
13-Jul	12	12	29	158	27,462	122,568	367	1,921	26,345	79,853	4,987	32,270
Total	12	12	29	158	27,462	122,568	367	1,921	26,345	79,853	4,987	32,270
Average weight (lb)				5.45		4.46		5.23		3.03		6.47
Third period (July 21–July 24)												
21-Jul	3	3	0	0	1,532	6,586	297	1,691	6,653	22,165	536	3,167
23-Jul <sup>a</sup>												
Total	3	4	87	226	3,442	14,895	381	2,192	12,817	38,439	855	5,078
Average weight (lb)				2.60		4.33		5.75		3.00		5.94
Fourth period (July 29–July 31)												
29-Jul <sup>a</sup>												
31-Jul	3	4	4	20	202	1,211	100	600	7,692	16,651	8,242	48,697
Total	3	6	4	20	847	4,116	221	1,292	13,261	34,925	18,540	120,859
Average weight				5.00		4.86		5.85		2.63		6.52
North Shelikof Management Harvest July 6–August 1												
Total	15	23	120	404	32,710	146,378	969	5,405	52,523	153,527	24,409	158,399
Average weight (lb)				3.37		4.48		5.58		2.92		6.49

<sup>a</sup> Confidential.

Appendix F7.—Daily salmon harvest by species in the Cape Igvak management unit of the North Shelikof Strait Sockeye Salmon Management Plan, 2023.

Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
First period (July 6–July 8)												
6-Jul	<sup>a</sup>											
7-Jul	<sup>a</sup>											
Total <sup>a</sup>												
Average weight (lb)												
Second period (July 13–July 15)												
13-Jul	<sup>a</sup>											
Total <sup>a</sup>												
Average weight												
Third period (July 21–July 23)												
22-Jul	<sup>a</sup>											
Total <sup>a</sup>												
Average weight (lb)												
Fourth period (July 29–July 31)												
29-Jul	<sup>a</sup>											
30-Jul	<sup>a</sup>											
31-Jul	<sup>a</sup>											
Total <sup>a</sup>												
Average weight (lb)												
Cape Igvak Management Unit Harvest July 6–August 1												
Total	5	8	42	260	12,502	57,661	1,368	9,592	26,353	93,191	4,320	32,221
Average weight (lb)				6.19		4.61		7.01		3.54		7.46

<sup>a</sup> Confidential.

Appendix F8.—Daily salmon harvest by species in the Southwest Afognak management unit of the North Shelikof Strait Sockeye Salmon Management Plan, 2023.

Date	Permits	Chinook		Sockeye		Coho		Pink		Chum		
		Landings	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
First period (July 6–July 10)												
6-Jul												
7-Jul <sup>a</sup>												
8-Jul <sup>a</sup>												
9-Jul <sup>a</sup>												
10-Jul <sup>a</sup>												
Total	7	9	6	53	4,893	23,360	56	470	22,704	67,256	3,848	32,520
Average weight (lb)				8.83		4.77		8.40		2.96		8.45
Second period (July 13–July 17)												
13-Jul	8	8	4	18	11,650	54,253	718	4,729	21,711	65,024	2,413	17,225
14-Jul <sup>a</sup>												
15-Jul	15	15	120	820	24,180	122,671	1,265	7,505	29,247	97,331	3,399	22,800
16-Jul	6	6	26	126	4,367	21,469	276	1,758	5,723	14,688	972	7,246
17-Jul	7	7	20	102	5,687	28,420	353	2,330	5,682	16,348	2,803	21,633
Total	21	38	170	1,066	47,406	233,489	2,652	16,598	64,846	201,245	9,869	70,934
Average weight (lb)				6.27		4.93		6.26		3.10		7.19
Third period (July 21–July 24)												
21-Jul	7	7	26	157	2,434	11,387	1,100	6,188	11,212	38,343	1,002	6,872
22-Jul	3	3	0	0	674	3,889	367	1,795	1,052	3,607	266	1,709
23-Jul	7	7	73	570	3,960	18,704	1,014	6,925	19,889	64,994	1,252	9,397
24-Jul <sup>a</sup>												
Total	10	18	102	757	7,425	35,767	2,565	15,494	34,571	114,679	2,570	18,327
Average weight (lb)				7.42		4.82		6.04		3.32		7.13
SW Afognak Management Harvest July 6–July 25												
Total	29	65	278	1,876	59,724	292,616	5,273	32,562	122,121	383,180	16,287	121,781
Average weight (lb)				6.75		4.90		6.18		3.14		7.48

<sup>a</sup> Confidential.



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

## INTRODUCTION

In 1990, the Board of Fisheries adopted the *Eastside Afognak Salmon 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 Strait, 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.

### 2023 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. Due to low Afognak Lake sockeye salmon escapement, the Southeast Afognak Section remained closed during the initial opening for KMA sockeye salmon on June 9. Afognak Lake sockeye salmon escapement continued to be low, and the Southeast Afognak Section remained closed until July 6 as the department transitioned to pink salmon management. Within the Southeast Afognak Section a total of 26 permit holders harvested 11 Chinook, 1,537 sockeye, 361 coho, 314,568 pink, and 2,228 chum salmon (Appendix G3). The 2023 sockeye salmon escapement into Afognak Lake was 34,816 fish, which was within the escapement goal range of 20,000 to 50,000 fish (McKinley et al. 2019).

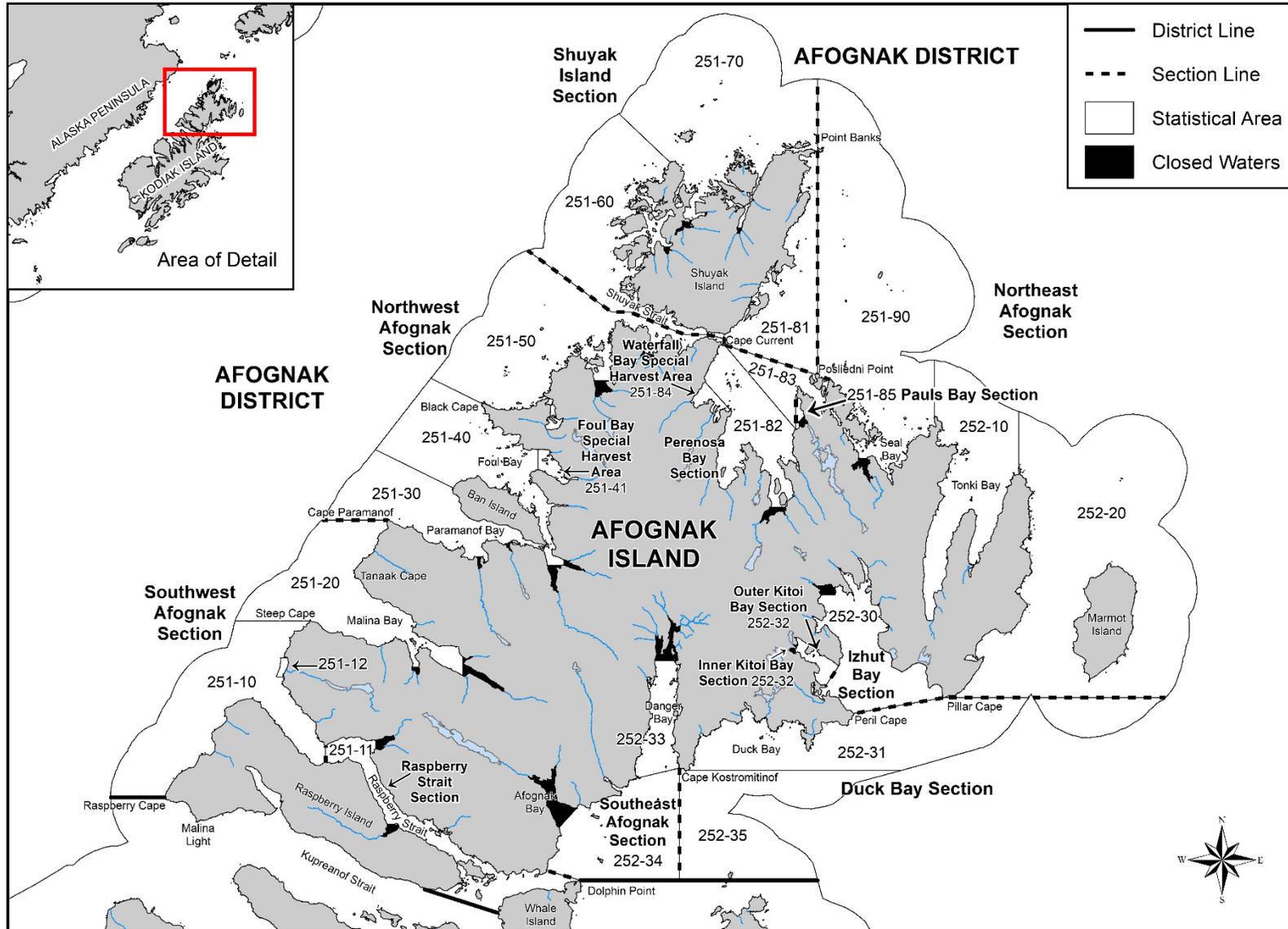
The salmon fishery targeting Kitoi Bay Hatchery fish began on June 9 with the last delivery occurring on September 12. In fisheries targeting the Kitoi Bay Hatchery return—which include the Duck Bay, Izhut Bay, Inner Kitoi Bay, and Outer Kitoi Bay Sections—120 permit holders harvested 2,104 Chinook, 43,359 sockeye, 96,997 coho, 10,908,382 pink, and 239,348 chum salmon (Appendix G3). The hatchery pink salmon, early-run and late-run sockeye, and chum salmon harvests were all well above the forecast, whereas coho salmon harvests were below the preseason forecasts (Donnellan and Munro 2023).

In 2023, there was a cost-recovery fishery in the vicinity of the Kitoi Bay Hatchery, with the harvest sold by the Kodiak Regional Aquaculture Association. The cost-recovery fishery harvested 1,766,767 pink salmon, about 16% of the 2023 Kitoi Bay Hatchery pink salmon harvest. In 2023, 345 sockeye, 15,279 coho, and 3,952 chum were also harvested in the cost-recovery fishery.

## REFERENCES CITED

- Donnellan, S. J., and A. R. Munro, editors. 2023. Run forecasts and harvest projections for 2023 Alaska salmon fisheries and review of the 2022 season. Alaska Department of Fish and Game, Special Publication No. 23-10, Anchorage.
- McKinley, T. R., K. L. Schaberg, M. J. Witteveen, M. B. Foster, M. L. Wattum, and T. L. Vincent. 2019. Review of salmon escapement goals in the Kodiak Management Area, 2019. Alaska Department of Fish and Game, Fishery Manuscript No. 19-07, Anchorage.

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, 2023.

Management unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
SE Afognak Section	4-Aug	8	8	7	85	327	1304	53	311	80,357	254,385	121	694
	5-Aug	15	16	0	0	965	3,649	154	939	134,011	411,305	1,612	7,120
252-33 and 34	6-Aug	7	7	2	11	160	729	53	353	43,500	115,558	317	2,053
	10-Aug	4	5	0	0	55	241	64	474	35,829	93,607	33	194
	11-Aug <sup>a</sup>												
	12-Aug <sup>a</sup>												
Total		26	39	11	129	1,537	6,060	361	2,300	314,568	935,251	2,228	11,089
Average weight (lb)					11.73		0.00		6.37		2.97		4.98
Izhut Bay Section	13-Jun <sup>a</sup>												
252-30	14-Jun <sup>a</sup>												
	16-Jun <sup>a</sup>												
	19-Jun <sup>a</sup>												
	20-Jun <sup>a</sup>												
	22-Jun <sup>a</sup>												
	24-Jun <sup>a</sup>												
	25-Jun <sup>a</sup>												
	27-Jun	7	7	7	23	338	1,278	3	11	1,224	3,335	11,999	82,164
	28-Jun	6	6	22	196	106	449	3	11	736	2,082	6,137	49,111
	9-Jul	17	18	60	303	752	3,423	89	494.25	1378	3,658	43361	304,142
	10-Jul	8	8	172	846	1487	6,303	36	206.00	2828	9,285	12802	77,902
	11-Jul	11	11	100	498	1382	6,235	70	491.00	4844	16,925	14475	111,485
	12-Jul	6	6	40	239	95	428	32	159.00	87	277	4880	35,649
	14-Jul	9	9	31	164	698	3,029	188	1,275.00	634	2,014	15457	113,372
	15-Jul	4	4	0	0	429	2,182	17	85	2,753	7,111	4,187	30,679
	16-Jul	4	4	5	15	1,047	4,568	42	268	614	1,730	2,376	17,677
	17-Jul	6	6	0	0	83	365	10	69	77	219	4,660	34,722
	18-Jul <sup>a</sup>												
	19-Jul	3	3	0	0	128	582	146	659	221	745	6,941	29,070
	20-Jul <sup>a</sup>												

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Management unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Izhut Bay Section	23-Jul <sup>a</sup>												
252-30	24-Jul <sup>a</sup>												
(continued)	29-Jul	13	13	0	0	161	841	41	357	94,910	288,962	571	4,153
	30-Jul	11	11	4	26	246	1,173	46	330	70,701	227,984	513	3,649
	31-Jul	15	15	14	96	1,136	5,267	198	1,318	58,622	166,472	650	4,519
	1-Aug	10	10	8	50	460	3,032	399	3,141	74,667	236,391	722	5,169
	2-Aug	23	25	2	15	947	4,496	168	1,007	159,266	501,831	605	3,723
	3-Aug	10	10	0	0	593	2,920	40	215	37,553	121,674	151	844
	10-Aug	22	22	1	24	244	1,169	139	837	238,654	735,469	119	792
	11-Aug	17	17	1	7	133	627	117	728	135,877	438,167	71	451
	12-Aug	12	12	0	0	170	714	157	948	80,743	228,300	41	288
	13-Aug	10	10	6	53	167	807	240	1,529	104,491	358,555	275	1,746
	15-Aug <sup>a</sup>												
	16-Aug	37	37	2	8	306	1,532	647	4,202	308,321	910,441	193	1,253
	17-Aug	23	23	0	0	77	368	491	3,701	129,591	419,930	77	529
	18-Aug	18	18	0	0	180	891	438	3,035	91,669	356,880	1,143	8,788
	19-Aug	12	12	0	0	2,791	12,061	439	2,911	103,023	338,360	84	645
	20-Aug	17	19	0	0	1,568	6,990	895	5,852	156,495	467,269	86	600
	21-Aug	10	11	0	0	116	480	1,052	5,918	61,085	191,232	42	257
	24-Aug	29	33	0	0	578	2,838	5,201	32,882	334,759	1,060,554	265	1,665
	25-Aug	21	22	0	0	199	957	3,501	23,129	176,019	538,217	78	592
	26-Aug	14	14	1	4	161	761	2,032	14,890	125,198	369,605	20	117
	27-Aug	15	16	0	0	67	322	1,537	11,075	100,860	343,495	5	22
	28-Aug	11	11	0	0	99	442	1,490	9,960	52,241	184,256	310	1,277
	29-Aug	8	10	0	0	13	54	2,502	17,802	81,673	275,927	3	12
	30-Aug	16	17	0	0	118	523	4,420	30,207	117,347	350,052	225	1,726
	31-Aug	7	7	0	0	93	289	4,404	16,866	57,376	157,013	14	70
	1-Sep	3	3	0	0	4	21	776	5,432	17,246	68,971	3	15
	2-Sep <sup>a</sup>												

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Management unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Izhut Bay Section	3-Sep <sup>a</sup>												
252-30	5-Sep <sup>a</sup>												
(continued)	15-Sep <sup>a</sup>												
Total		98	499	585	3,178	17,776	81,088	34,760	221,846	3,047,585	9,568,456	143,162	1,000,833
Average weight (lb)					5.43		0.00		6.38		3.14		6.99
Duck Bay Section	9-Jun <sup>a</sup>												
	16-Jun <sup>a</sup>												
252-31 and 35	17-Jun <sup>a</sup>												
	19-Jun <sup>a</sup>												
	20-Jun <sup>a</sup>												
	21-Jun <sup>a</sup>												
	22-Jun <sup>a</sup>												
	23-Jun	3	3	22	79	259	1,252	2	11	532	1,638	1,023	7,488
	24-Jun <sup>a</sup>												
	26-Jun <sup>a</sup>												
	27-Jun	4	4	49	193	309	1,524	23	93	915	1,952	3,304	25,308
	28-Jun	5	5	0	0	200	809	0	0	786	2,533	1,269	10,168
	29-Jun <sup>a</sup>												
	30-Jun	4	4	134	735	184	1,085	19	72	1,620	3,241	1,566	12,542
	1-Jul <sup>a</sup>												
	6-Jul	5	6	164	645	1,079	4,506	434	1,820	4,401	12,780	5,941	27,125
	9-Jul	4	5	113	564	316	1,280	128	644	337	1,021	6,783	30,910
	10-Jul	3	3	0	0	293	1,584	6	49	642	2,218	381	2,861
	11-Jul <sup>a</sup>												
	12-Jul <sup>a</sup>												
	15-Jul <sup>a</sup>												
	16-Jul <sup>a</sup>	2	2	28	82	585	2,058	315	1,703	1,723	3,861	1,406	8,437
	19-Jul <sup>a</sup>												

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Management unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Duck Bay Section	20-Jul	3	3	17	130	454	2,164	238	1,320	3,022	9,048	1,145	6,814
252-31 and 35	21-Jul <sup>a</sup>												
(continued)	22-Jul <sup>a</sup>												
	23-Jul	3	3	2	11	270	1,146	143	909	3,250	9,828	378	2,770
	29-Jul	16	16	2	18	1,048	4,674	282	1,605	98,144	290,970	708	4,353
	30-Jul	12	12	10	26	442	2,248	228	1,519	59,551	174,439	412	2,860
	31-Jul	17	18	2	12	620	2,766	179	1,169	75,941	222,917	401	2,930
	4-Aug	28	28	1	4	1,218	5,979	323	1,852	159,779	505,068	2,717	9,626
	5-Aug	23	24	4	63	1,219	5,934	603	3,650	173,873	546,029	805	5,085
	6-Aug	25	27	5	30	1,168	5,316	520	3,276	258,324	764,778	878	5,291
	7-Aug	27	29	4	39	2,197	9,446	743	4,533	189,492	575,624	1,472	10,195
	10-Aug	27	28	3	31	733	3,391	380	2,431	296,156	883,475	350	2,414
	11-Aug	14	14	0	0	580	2,689	247	1,493	120,390	382,409	460	3,010
	12-Aug	14	16	2	17	308	1,401	552	2,867	249,921	733,974	161	929
	13-Aug	24	28	0	0	306	1,437	410	2,429	287,291	871,230	529	3,208
	14-Aug	32	35	0	0	472	2,365	401	2,714	327,386	1,013,199	147	1,021
	16-Aug	25	25	1	6	416	1,867	659	3,878	257,504	763,907	180	1,249
	17-Aug	15	15	0	0	354	1,500	318	1,690	137,518	420,321	70	403
	18-Aug	31	33	0	0	355	1,534	699	3,777	364,232	1,111,989	152	853
	19-Aug	26	28	1	9	230	1,029	614	3,755	231,594	743,550	82	528
	20-Aug	33	36	1	7	440	2,159	1,054	6,961	342,497	1,065,276	175	1,068
	21-Aug	28	29	2	10	190	843	817	5,151	198,507	613,989	96	550
	23-Aug	24	24	0	0	432	2,203	1,475	9,380	179,466	580,477	154	958
	24-Aug	10	12	0	0	102	604	1,193	7,346	134,433	549,604	177	965
	25-Aug	12	13	0	0	122	607	1,216	7,210	146,195	403,175	207	1,384
	26-Aug	9	10	0	0	99	486	1,134	7,213	133,506	416,540	15	93
	27-Aug	8	9	0	0	457	2,036	870	4,692	111,049	324,354	18	111
	28-Aug	12	13	0	0	256	1,315	2,005	13,762	183,678	557,844	48	338

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Management unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Duck Bay	29-Aug	18	22	0	0	170	787	3,108	20,416	255,681	769,924	36	251
Section	30-Aug	9	9	2	15	395	1,946	653	4,572	109,215	308,834	63	497
252-31 & 35	31-Aug	7	8	0	0	29	146	444	2,794	92,381	279,791	21	127
(continued)													
Total		97	621	929	4,285	20,701	94,462	22,823	141,192	5,217,160	16,000,920	42,942	263,095
Average weight (lb)					5.10		4.76		7.54		2.89		7.12
Inner and Outer	13-Jun <sup>a</sup>												
Kitoi Bay	14-Jun <sup>a</sup>												
Sections 252-32	16-Jun <sup>a</sup>												
	18-Jun <sup>a</sup>												
	20-Jun	3	3	5	30	206	819	0	0	222	607	1,938	15,893
	21-Jun	4	4	11	65	124	554	1	10	182	634	2,343	16,497
	23-Jun	3	3	14	100	40	169	0	0	81	243	2,700	18,906
	9-Jul <sup>a</sup>												
	17-Jul	12	12	2	16	2,197	10,357	196	1,282	2,756	8,149	7,699	52,899
	18-Jul	9	9	5	21	114	590	17	116	206	622	8,392	53,527
	19-Jul <sup>a</sup>												
	20-Jul <sup>a</sup>												
	21-Jul <sup>a</sup>												
	22-Jul <sup>a</sup>												
	23-Jul <sup>a</sup>												
	24-Jul <sup>a</sup>												
	29-Jul	11	11	0	0	112	494	2	9	120,739	349,172	953	6,190
	30-Jul	3	3	0	0	15	69	2	13	12,787	34,527	146	625
	31-Jul <sup>a</sup>												
	2-Aug	4	4	0	0	113	568	34	133	16,749	50,802	57	220
	3-Aug <sup>a</sup>												
	7-Aug <sup>a</sup>												
	8-Aug <sup>a</sup>												

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Management unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Inner and Outer	9-Aug <sup>a</sup>												
Kitoi Bay	10-Aug	9	13	0	0	51	249	56	338	309,839	874,144	77	548
Sections 252-32	11-Aug	7	7	0	0	35	156	38	208	38,348	119,223	11	56
(continued)	12-Aug	4	4	0	0	38	155	35	177	37,826	113,546	18	112
	16-Aug <sup>a</sup>												
	18-Aug	4	4	0	0	62	301	76	599	21,487	60,096	25	248
	19-Aug	5	5	0	0	70	280	237	1,315	52,024	165,533	36	198
	20-Aug <sup>a</sup>												
	21-Aug <sup>a</sup>												
	22-Aug <sup>a</sup>												
	23-Aug <sup>a</sup>												
	24-Aug	5	5	0	0	31	154	975	6,460	107,786	322,167	3	19
	25-Aug	3	3	0	0	6	26	397	2,385	18,135	53,736	7	51
	26-Aug	5	6	0	0	34	174	857	5,093	62,762	238,345	1	9
	27-Aug	6	9	0	0	37	168	1,433	9,354	97,971	281,242	2	11
	28-Aug	6	6	0	0	98	344	573	3,061	36,567	112,083	21	76
	29-Aug	3	3	0	0	18	72	1,412	5,795	22,191	75,132	0	0
	30-Aug	5	5	0	0	37	157	505	3,623	87,341	259,122	0	0
	31-Aug <sup>a</sup>												
	2-Sep <sup>a</sup>												
	3-Sep <sup>a</sup>												
	4-Sep <sup>a</sup>												
	5-Sep <sup>a</sup>												

-continued-

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Management unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Inner and Outer	6-Sep <sup>a</sup>												
Kitoi Bay	7-Sep <sup>a</sup>												
Sections 252-32	12-Sep <sup>a</sup>												
(continued)													
Total		56	163	590	2,995	4,882	22,420	39,414	246,591	2,643,637	7,680,349	53,244	343,464
Average weight (lb)					5.10		4.76		7.54		2.89		7.12
Management units targeting Kitoi Hatchery (Inner & Outer Kitoi, Izhut and Duck Bay Sections)													
Subtotal		120	1,283	2,104	10,458	43,359	197,970	96,997	609,628	10,908,382	33,249,724	239,348	1,607,393
Average weight (lb)					4.97		4.57		6.29		3.05		6.72
East Afognak Management Units													
Grand Total		121	1,322	2,115	10,587	44,896	204,030	97,358	611,929	11,222,950	34,184,975	241,576	1,618,481
Average weight (lb)					5.01		4.54		6.29		3.05		6.70

<sup>a</sup> Confidential.

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

## INTRODUCTION

Adult sockeye salmon return each year to Telrod Cove in Spiridon Bay as a result of a juvenile stocking program of Spiridon Lake and net pen production in Telrod Cove conducted by Kodiak Regional Aquaculture Association (KRAA; Appendix H2). Some of these fish were harvested in Westside Kodiak commercial fisheries, and the remainder were harvested in a terminal fishery in the Spiridon Bay Special Harvest Area (SBSHA) in Telrod Cove. A total return of approximately 126,000 Spiridon Lake sockeye salmon (including Telrod Cove net pen production) was expected in 2023 (Brenner et al. 2023). 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, which coincides with Saltery Lake sockeye salmon run timing.

### 2023 Spiridon Bay Sockeye Salmon Fishery

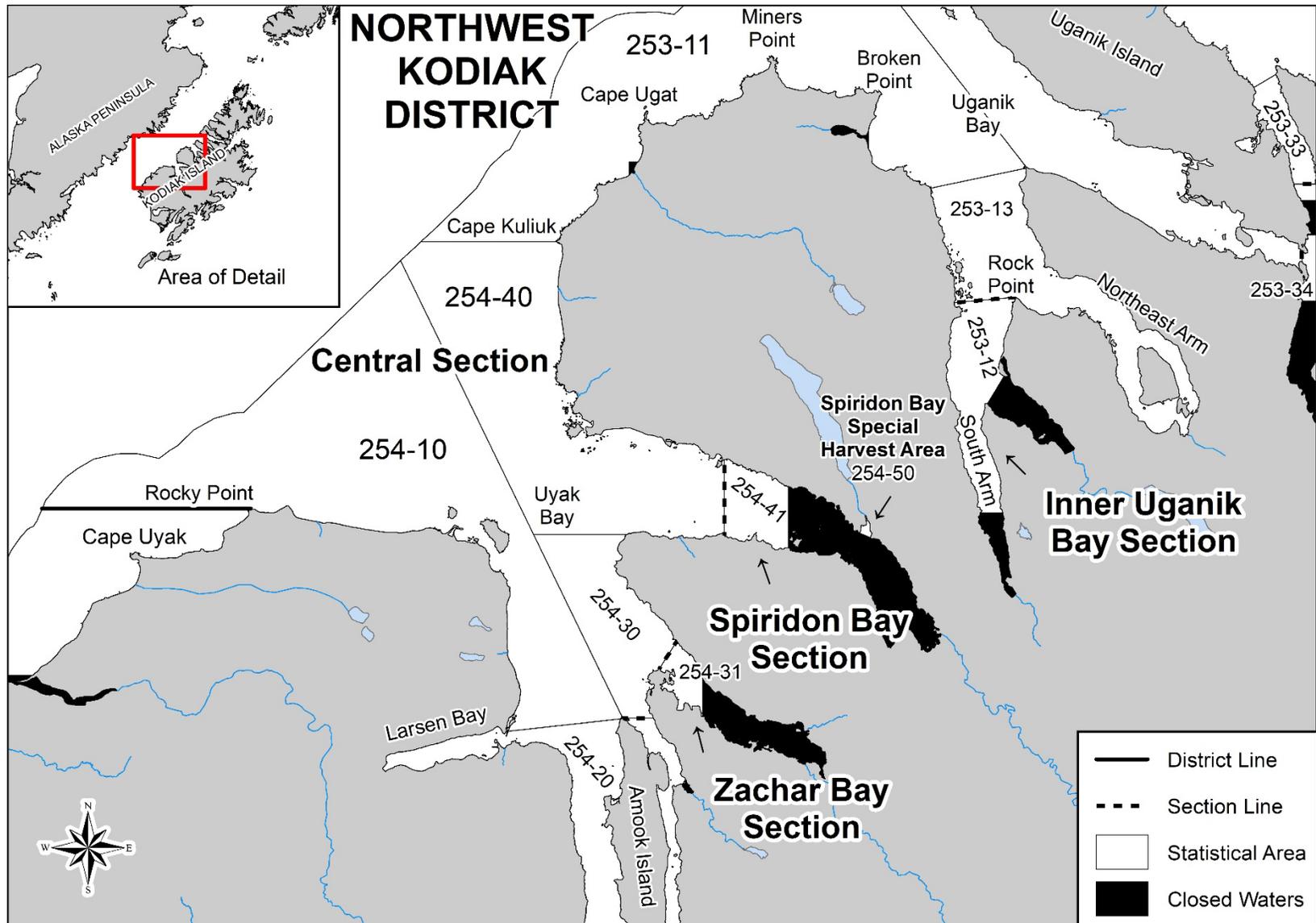
KRAA conducted a cost-recovery harvest to help fund the stocking program. The cost-recovery harvest began on June 28 and continued through July 11. The common property fishery in the SBSHA opened on July 14 and remained open until the sockeye salmon run began to subside (August 12). Twenty-two seine permit holders harvested a total of 2 Chinook, 88,409 sockeye, 54 coho, 188,219 pink, and 5,445 chum salmon in the common property fishery in SBSHA (Appendix H3). The total number of sockeye salmon harvested in Telrod Cove and the adjacent Spiridon Bay Section was 114,024 fish (Appendix H4).

In 2023, liberal fishing time along the west side of Kodiak Island for salmon in early July continued throughout the rest of the month and into August as it became known that the pink salmon run was coming in as forecasted. As a result of the increased fishing time in July, the percentage of Spiridon-bound sockeye salmon harvested in areas outside of SBSHA was likely high. The total number of sockeye salmon returning to the Spiridon enhancement project that were sold in 2023 was estimated at 294,213 fish, with approximately 48% (140,882 fish) harvested within SBSHA/Spiridon Bay Section, and an estimated 52% (153,331 fish) harvested in the Southwest Afognak Section of the Afognak District and the Central, North Cape Sections of the Northwest Kodiak District (Appendix H4). This estimate was based on the correlation between the number of days of commercial fishing 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 to 2012 (Moore 2013).

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

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



Appendix H3.—Daily salmon harvest by species in the Spiridon Bay Special Harvest Area, 2023.

Management unit	Date	Chinook		Sockeye		Coho		Pink		Chum			
		Permits	Landings	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds		
Spiridon Bay SHA 254-50	14-Jul	8	10	0	0	7,686	34,550	0	0	3,233	11,163	1,338	8,621
	15-Jul	2	2	0	0	1,437	7,166	0	0	706	2,117	23	225
	16-Jul	6	6	0	0	6,184	30,929	0	0	4,279	13,077	191	1,520
	17-Jul	2	2	0	0	1,316	6,582	0	0	1,560	4,680	32	316
	18-Jul	6	6	0	0	3,893	15,331	0	0	2,316	7,474	108	828
	19-Jul	3	3	0	0	2,290	9,616	0	0	1,530	4,589	63	441
	20-Jul	3	3	0	0	3,290	16,148	1	5	3,470	13,545	190	1,278
	21-Jul	6	6	2	5	3,565	16,818	23	147	3,932	12,472	146	1,189
	22-Jul	2	2	0	0	753	3,238	0	0	576	1,785	8	68
	23-Jul	6	6	0	0	3,764	15,318	0	0	2,705	8,278	88	566
	24-Jul	1	1	0	0	473	1,937	0	0	28	85	0	0
	25-Jul	11	11	0	0	9,244	36,539	0	0	7,465	23,372	187	1,350
	26-Jul	1	1	0	0	149	507	0	0	0	0	0	0
	27-Jul	11	11	0	0	11,349	43,066	0	0	12,370	39,677	162	1,336
	28-Jul	4	4	0	0	4,384	19,683	0	0	3,799	15,398	60	375
	29-Jul	5	5	0	0	4,310	18,697	0	0	3,591	13,810	125	764
	30-Jul	4	4	0	0	3,980	18,021	0	0	4,176	15,345	74	486
	31-Jul	4	4	0	0	2,310	12,553	0	0	7,717	23,153	116	926
	1-Aug	2	2	0	0	1,635	7,364	0	0	5,120	16,388	66	477
	2-Aug	2	2	0	0	1,003	4,609	0	0	7,802	28,890	216	1,417
	3-Aug	8	8	0	0	3,892	21,122	0	0	29,182	111,773	747	7,291
4-Aug	6	7	0	0	1,362	6,662	0	0	22,282	79,123	750	4,945	
5-Aug	6	6	0	0	1,007	5,180	0	0	16,512	60,364	433	3,543	
6-Aug	2	2	0	0	829	3,936	0	0	9,860	32,145	137	1,262	
10-Aug	4	4	0	0	1,869	9,242	6	42	13,607	44,550	48	365	
11-Aug	5	6	0	0	3,082	15,946	0	0	11,955	43,060	64	531	

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Management				Chinook		Sockeye		Coho		Pink		Chum	
Unit	Date	Permits	Landings	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Spiridon Bay SHA	12-Aug	3	4	0	0	891	4,657	11	66	1,697	7,094	17	102
254-50 (cont.)	13-Aug	3	4	0	0	1,337	6,963	12	112	4,384	16,221	46	511
	14-Aug	4	4	0	0	1,125	5,890	1	9	2,365	8,850	10	114
Total		22	136	2	5	88,409	398,269	54	381	188,219	658,478	5,445	40,847
Average weight (lb)					2.25		4.50		7.06		3.50		7.50

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

<sup>a</sup> Confidential.

Appendix H4.—Estimated contribution to the commercial harvest from the Spiridon Lake sockeye salmon enhancement project by locality in the Kodiak Management Area, 2023.

	Actual	Estimated	
	Telrod Cove and Spiridon Bay Section	Southwest Afognak Section and NW Kodiak District	Westside total
Cost recovery	25,615	0	25,615
Common property	115,267	153,331	268,598
Total harvest	140,882	153,331	294,213
Percent	48%	52%	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 et al. 2023). Fishing opportunities through August 24 are based on the abundance of local and mixed pink and chum salmon, except that fishing could be allowed in the Buskin River Section from July 6 to July 15 based on local pink salmon and Buskin River sockeye salmon. From August 25 to 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 (Appendix I3), not more than two 33-hour fishing periods are allowed to occur between June 14 and 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 between June 14 and 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 to August 24, fishing opportunities in all sections are based on the abundance of local and mixed pink and chum salmon, except in the Inner Ugak Bay Section, where Saltery Lake sockeye salmon escapement must be considered through July 31. From August 25 to 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 fishers. 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 ADF&G to enumerate sockeye salmon. Additionally, ADF&G operates a weir on the Pasagshak River to enumerate sockeye salmon that are targeted by subsistence fishers and sport anglers. Other minor sockeye salmon systems are present in the Eastside Kodiak District, including Lake Miam and Ocean Beach.

### 2023 Eastside Kodiak Fisheries

The Saltery River sockeye salmon run was strong with a cumulative escapement past Saltery weir of 44,704 fish, which is above the desired escapement goal range of 15,000 to 35,000 fish (Jackson et al. 2023). There were only two 33-hour fishing periods (June 14 and June 21) in the Inner Ugak Bay Section in June, but throughout July the area opened weekly with the general pink salmon fishing periods due to strong sockeye salmon escapement. After the transition to pink, chum, and coho salmon management, the Inner Ugak Bay Section remained open for the remainder of the season (Appendix B1).

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The Buskin River sockeye salmon run was low in the 2023 season, and the Buskin River Section was not allowed to open to commercial salmon fishing in June or July. A total of 1,761 sockeye salmon passed above the Buskin River weir, which was well below the escapement goal range of 5,000 to 8,000 fish (McKinley et al. 2019).

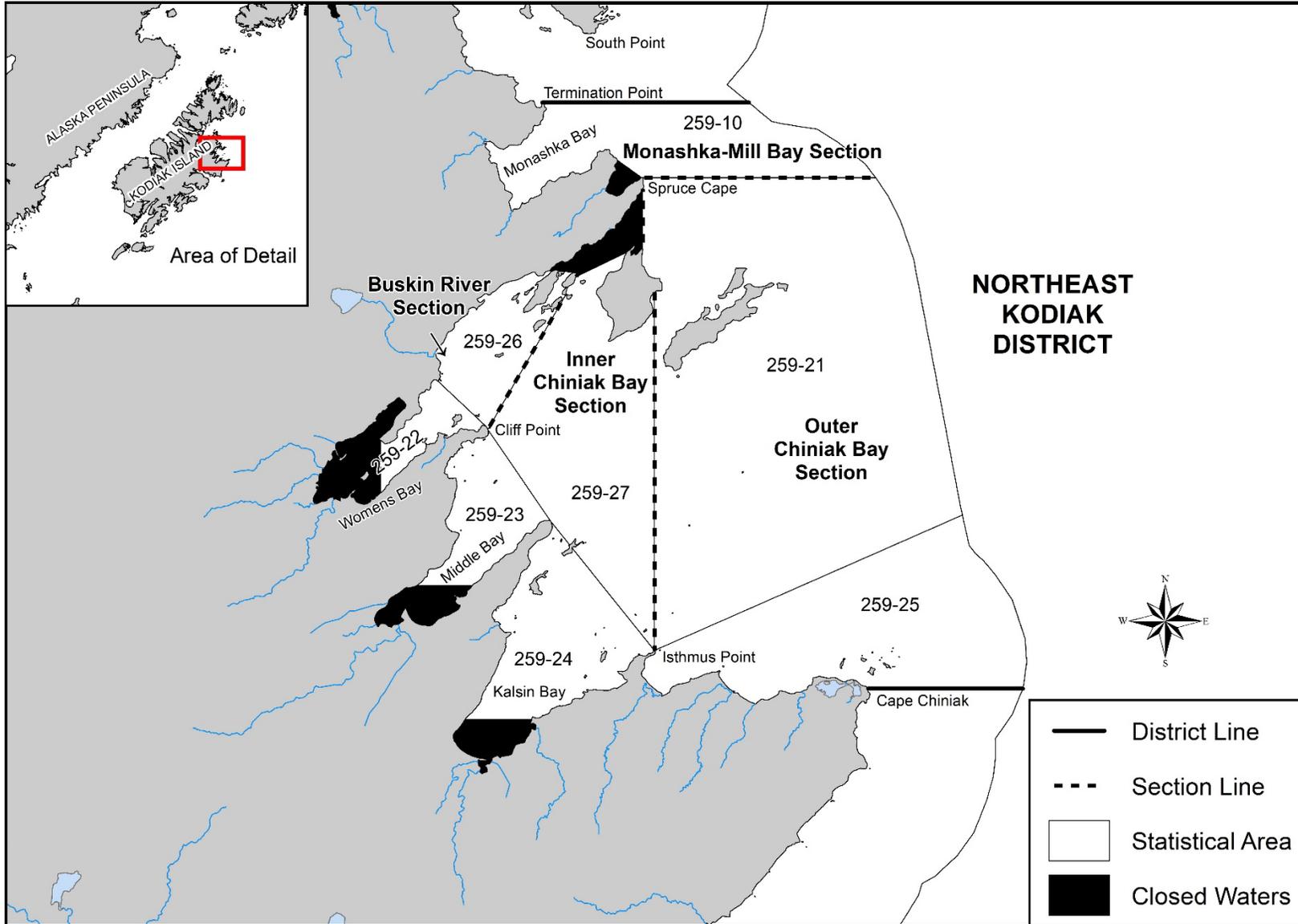
The 2023 Pasagshak River escapement counted at the weir was 4,345 sockeye salmon, which met the lower-bound SEG of 3,000 fish (McKinley et al. 2019). Pasagshak Bay remained closed to commercial salmon fishing during the majority of July to increase Pasagshak River sockeye salmon escapement.

The total commercial harvest for the Eastside Kodiak management units by 83 permit holders included 5,523 Chinook, 144,448 sockeye, 42,963 coho, 3,518,636 pink, and 191,229 chum salmon (Appendix I4). The last day of commercial salmon harvest in the Eastside Kodiak District was September 22.

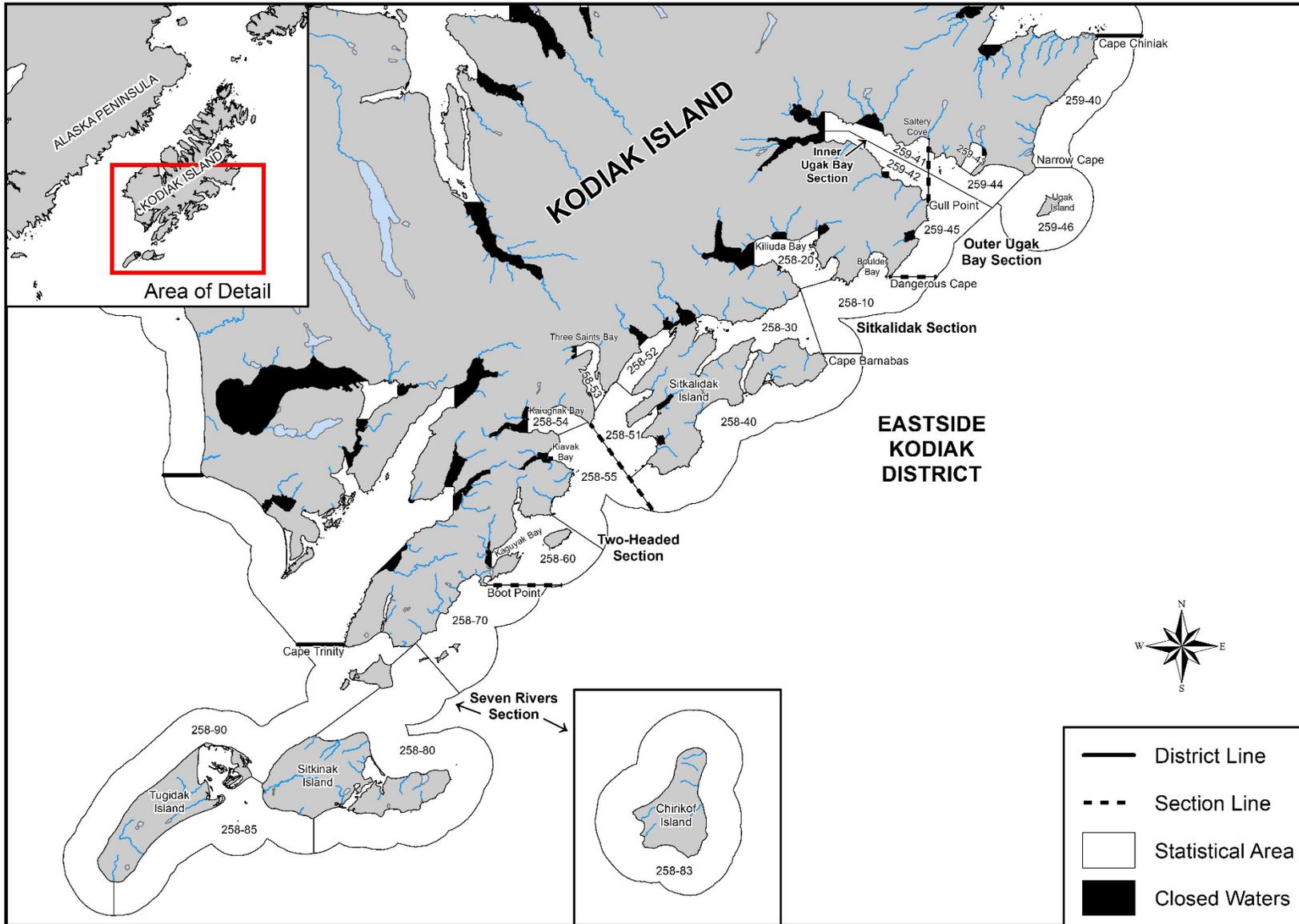
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Appendix I2.—Map of the Northeast Kodiak District commercial salmon fishing sections and statistical areas.



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, 2023.

Management unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Eastside Kodiak District	14-Jun	15	15	27	187	9,878	41,197	3	10	1,059	3,007	4,173	30,494
	21-Jun	23	23	434	2,039	27,669	131,229	6	31	16,682	49,911	29,802	207,653
	22-Jun	4	4	28	102	6,156	25,873	0	0	1,151	3,297	2,078	16,524
	6-Jul	12	13	630	2,146	7,563	30,621	1,451	8,768	18,108	59,737	7,466	49,004
	7-Jul	10	11	463	2,428	4,606	23,897	986	5,310	10,337	35,864	6,021	36,925
	8-Jul	8	8	388	1,766	4,215	18,108	322	2,346	14,962	50,007	3,435	26,487
	9-Jul	7	7	457	1,815	3,742	20,041	555	3,774	15,968	43,301	3,439	27,161
	10-Jul <sup>a</sup>												
	13-Jul	7	7	343	1,460	7,309	34,861	4,406	24,042	9,421	27,912	5,066	30,985
	14-Jul	3	3	46	178	2,333	11,702	1,685	7,855	2,321	7,064	1,706	8,633
	15-Jul <sup>a</sup>												
	16-Jul	3	4	322	1,028	4,749	21,996	1,929	10,761	11,215	37,817	3,360	16,116
	17-Jul	5	6	73	398	2,149	9,857	1,384	7,460	4,529	14,827	1,239	6,616
	21-Jul	14	14	334	1,342	9,898	38,688	3,797	17,195	41,614	106,919	8,318	50,756
	22-Jul	5	5	181	907	4,108	20,052	330	2,642	28,641	93,368	3,106	22,750
	23-Jul	9	9	208	1,118	4,791	22,387	2,041	13,063	37,215	122,031	7,535	51,321
	24-Jul <sup>a</sup>												
	29-Jul	6	6	36	87	4,029	18,068	931	4,984	24,489	78,527	2,614	17,141
	30-Jul	4	4	33	153	3,191	14,606	648	3,638	11,459	34,896	1,811	10,313
	31-Jul	5	5	0	0	1,197	6,544	364	2,370	10,097	34,838	768	6,123
	4-Aug	12	12	213	1,200	3,337	14,108	1,146	5,888	58,083	182,453	5,238	39,397
	5-Aug	6	6	134	728	2,207	9,218	860	4,344	41,285	130,170	6,759	37,462
	6-Aug	11	13	276	2,051	3,127	14,364	1,377	9,842	77,353	243,587	5,698	47,981
	7-Aug	10	12	216	1,226	3,602	17,274	602	4,131	67,689	208,532	4,598	35,029
	10-Aug	19	24	56	497	1,645	7,788	896	5,570	157,502	544,206	4,297	34,433
	11-Aug	7	7	2	14	1,503	7,319	466	2,671	54,174	163,917	1,219	9,207
	12-Aug	17	18	33	250	2,281	10,221	828	5,229	122,517	361,314	6,604	51,784
	13-Aug	7	10	2	26	219	945	54	392	112,705	367,879	2,312	18,331
	14-Aug	19	20	65	533	2,135	10,064	488	2,767	177,623	570,443	7,911	55,262

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Management unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Eastside Kodiak District (continued)	15-Aug	13	14	17	182	960	4,424	134	1030	114,548	383,477	3,195	26,556
	16-Aug	16	16	6	60	480	2,257	226	1399	105,159	377,680	1,947	13,270
	17-Aug	13	15	5	40	290	1,321	177	1162	98,573	332,426	1,196	8,370
	18-Aug	20	21	41	358	1423	6,242	590	3527	166,022	548,948	3,066	23,649
	19-Aug	17	19	11	103	1037	4,810	758	4004	139,264	447,581	2,183	14,104
	20-Aug	23	27	34	302	1395	7,057	892	5574	250,188	819,294	3,902	28,678
	21-Aug	21	24	26	208	815	3,826	729	4665	217,432	710,971	4,000	25,494
	22-Aug	20	23	25	213	699	3,398	511	3423	192,515	640,596	2,888	20,765
	23-Aug	20	21	13	120	718	3,560	825	4046	157,178	480,330	3,281	19,976
	24-Aug	16	16	1	5	430	2,281	789	4648	139,205	449,719	3,534	16,955
	25-Aug	18	20	13	147	350	1,774	987	8233	164,417	532,649	3,443	29,864
	26-Aug	4	4	0	0	191	1,013	419	3768	42,929	149,178	758	6,222
	27-Aug	7	8	13	153	97	484	810	6126	84,679	290,151	1,546	13,306
	28-Aug	5	5	0	0	18	96	122	772	22,386	73,165	750	3,945
	29-Aug	5	7	0	0	77	427	807	5,611	59,394	190,888	1,488	9,626
	30-Aug	3	3	0	0	29	132	237	1,488	13,047	38,262	316	2,278
Total		68	514	5,475	26,598	143,819	659,027	38,566	228,178	3,125,323	10,132,212	179,377	1,238,769
Average weight (lb)					4.86		4.58		5.92		3.24		6.91
Northeast Kodiak District	30-Jul <sup>a</sup>												
	31-Jul	4	4	3	50	35	156	14	109	22,422	77,103	72	455
	4-Aug	7	7	1	19	76	357	14	81	49,851	138,310	439	2,685
	5-Aug	4	5	2	42	45	216	11	58	54,569	152,441	1,353	8,160
	6-Aug	4	5	8	72	19	77	9	51	14,663	30,068	668	4,017
	7-Aug	3	3	19	378	117	503	2	12	25,222	99,752	731	3,881
	10-Aug <sup>a</sup>												
	11-Aug	3	3	5	35	12	56	3	19	10,639	34,678	2,975	22,899
	12-Aug <sup>a</sup>												
	13-Aug	5	5	2	7	0	0	5	33	36,809	104,951	874	5,296
	14-Aug	3	3	0	0	7	38	13	75	30,743	92,242	356	2,343

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Appendix I4.–Page 3 of 3.

Management unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Northeast Kodiak District	15-Aug	3	3	0	0	1	4	3	20	8,712	23,289	802	4,850
(continued)	16-Aug <sup>a</sup>												
	17-Aug	3	3	0	0	1	4	9	52	11,308	33,593	1,280	8,070
	18-Aug	4	4	3	18	0	0	19	81	13,708	38,128	281	2,030
	19-Aug	3	3	0	0	99	493	6	37	7,871	22,391	297	2,097
	22-Aug	4	4	0	0	54	249	90	559	22,845	75,046	588	4,033
	23-Aug <sup>a</sup>												
	24-Aug <sup>a</sup>												
	25-Aug <sup>a</sup>												
	26-Aug <sup>a</sup>												
	27-Aug <sup>a</sup>												
	29-Aug <sup>a</sup>												
	18-Sep <sup>a</sup>												
	22-Sep <sup>a</sup>												
Total		25	68	48	658	629	2,771	4,397	33,805	393,313	1,143,472	11,852	78,618
Average weight (lb)					0.00		4.41		7.69		2.91		6.63
Eastside Management Plan													
Total		83	582	5,523	27,256	144,448	661,798	42,963	261,982	3,518,636	11,275,683	191,229	1,317,386
Average weight (lb)					4.94		4.58		6.10		3.20		6.89

<sup>a</sup> Confidential.

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

## INTRODUCTION

In November of 1995, the Board of Fisheries adopted the *North Afognak/Shuyak Island Salmon Management Plan* into regulation (5 AAC 18.368). This plan governs all commercial salmon fisheries on the north end of the Kodiak Archipelago. Although 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 in the early 1970s, with the harvest strategy remaining nearly 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 went into 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 to September 5, and local coho salmon after September 5. Fishing opportunities in the Shuyak Island Section were to be based on the abundance of local and mixed pink salmon through August 1, then on local coho salmon through the end of the season. From July 6 through August 1, 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 to 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 to 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 to August 20, management was based on the abundance of local and migrating pink salmon, from August 21 to 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 to 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 to 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 August 1, the Northwest Afognak Section was also managed in accordance with the *North Shelikof Strait Sockeye Salmon Management Plan* (5 AAC 18.363).

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For the Pauls Bay Section, from June 1 to July 5, fishing opportunities were based on sockeye salmon returning to Pauls Lake. From July 6 to 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.

### **2023 North Afognak/Shuyak Island Fisheries**

In 2023, the first commercial salmon fishing period for the North Afognak/Shuyak Island management units began June 9 and was limited initially to the FBSHA and WBSHA. Within the FBSHA, harvests were confidential because fewer than 3 vessels participated in 2023 (Appendix J3). WBSHA had no harvest effort in 2023 (Appendix J3).

The Northwest Afognak, Pauls Bay, and Perenosa Bay Sections opened on June 14 and June 21 for two 33-hour periods in order to test the strength of local Afognak sockeye salmon runs. Sockeye salmon harvests were moderate during this time period (Appendix J3). The Pauls Bay weir at the outlet of Pauls Lake was not in operation during the 2023 season.

In July, the Northwest Afognak, Shuyak Island, Pauls Bay, Perenosa Bay, and Northeast Afognak Sections opened during all KMA general pink salmon fishing periods due to adequate sockeye and pink salmon escapement. The Northeast Afognak Section was open the majority of August due to adequate pink salmon escapement, but the Pauls Bay and Perenosa Bay Sections only opened for 57 hours in August.

There was no commercial salmon harvest in either Pauls Bay or Perenosa Bay Sections in 2023 (Appendix J3).

The last landing in the North Afognak/Shuyak Island management units occurred on August 24. In all the units of the North Afognak/Shuyak fishery combined, 27 permit holders made 74 landings and harvested 987 Chinook, 35,984 sockeye, 7,936 coho, 476,495 pink, and 25,652 chum salmon (Appendix J3).



Appendix J3.—Daily salmon harvest by species for the North Afognak/Shuyak Island management units, 2023.

Management unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Northeast Afognak Section	16-Jul <sup>a</sup>												
	17-Jul <sup>a</sup>												
	21-Jul	3	3	265	964	620	2,901	339	2,669	19,706	59,119	2,066	17,749
	23-Jul	4	5	271	1,062	1,058	4,976	612	4,847	20,907	65,862	1,711	14,550
	24-Jul <sup>a</sup>												
	29-Jul	3	3	107	352	1,554	7,441	975	5,376	40,500	130,156	1,660	11,338
	30-Jul	4	6	84	374	1,227	6,311	796	5,120	60,013	161,900	2,537	20,495
	31-Jul	7	7	34	144	2,019	9,030	1,096	6,130	64,933	192,378	4,397	26,999
	4-Aug	7	7	3	15	524	2,422	818	5,734	33,681	133,924	3,352	13,941
	5-Aug <sup>a</sup>												
	6-Aug <sup>a</sup>												
	11-Aug <sup>a</sup>												
	12-Aug <sup>a</sup>												
	13-Aug <sup>a</sup>												
	14-Aug <sup>a</sup>												
	15-Aug <sup>a</sup>												
	19-Aug <sup>a</sup>												
	20-Aug <sup>a</sup>												
	21-Aug <sup>a</sup>												
	22-Aug	3	4	0	0	189	780	255	1,681	20,773	65,737	148	992
24-Aug <sup>a</sup>													
Total		17	54	867	3,503	9,481	44,382	7,119	44,903	430,204	1,323,340	21,886	149,218
Average weight (lb)					4.04		4.68		6.31		3.08		6.82

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Management unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Northwest Afognak Section (excluding Foul Bay SHA) (continued)	14-Jun <sup>a</sup> 22-Jun <sup>a</sup> 7-Jul <sup>a</sup> 13-Jul 21-Jul 23-Jul <sup>a</sup> 29-Jul <sup>a</sup> 31-Jul <sup>a</sup>												
		9	9	29	158	19,510	95,533	260	1,584	23,100	70,160	2,357	17,279
		3	3	0	0	1,532	6,586	297	1,691	6,653	22,165	536	3,167
Total		12	19	120	404	26,411	125,845	817	4,792	46,291	133,198	3,766	25,374
Average weight (lb)					3.37		4.76		5.87		2.88		6.74
Foul Bay Special Harvest Area	21-Jun <sup>a</sup>												
Total <sup>a</sup>													
Average weight (lb)													
Grand total		27	74	987	3,907	35,984	170,707	7,936	49,695	476,495	1,456,539	25,652	174,592
Average weight (lb)					3.96		4.74		6.26		3.06		6.81

<sup>a</sup> Confidential.

**APPENDIX K. MAINLAND DISTRICT FISHERY  
SUMMARY**

## INTRODUCTION

The Mainland District of 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 through July 5 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 majority of the sections of the Mainland District from July 6 through August 1 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 KMA. The exceptions are the Cape Igvak Section (managed based on the strength of the Chignik sockeye salmon run through July 5) and two 33-hour fisheries in June targeting local sockeye salmon runs (Swikshak River sockeye salmon in the Big River Section and Kaflia Lake sockeye salmon in the Outer Kukak Bay Section; Appendix K2). From July 6 to August 1, 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. From August 2 to the end of the season, fishing periods are based on the abundance of local pink, chum, and coho salmon.

### 2023 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 Kaflia and Swikshak systems sockeye salmon. During the pink salmon season through August 1, the entire Mainland District was opened for four 57-hour fishing periods between July 6 and July 29 (with most sections managed under the NSSSSMP).

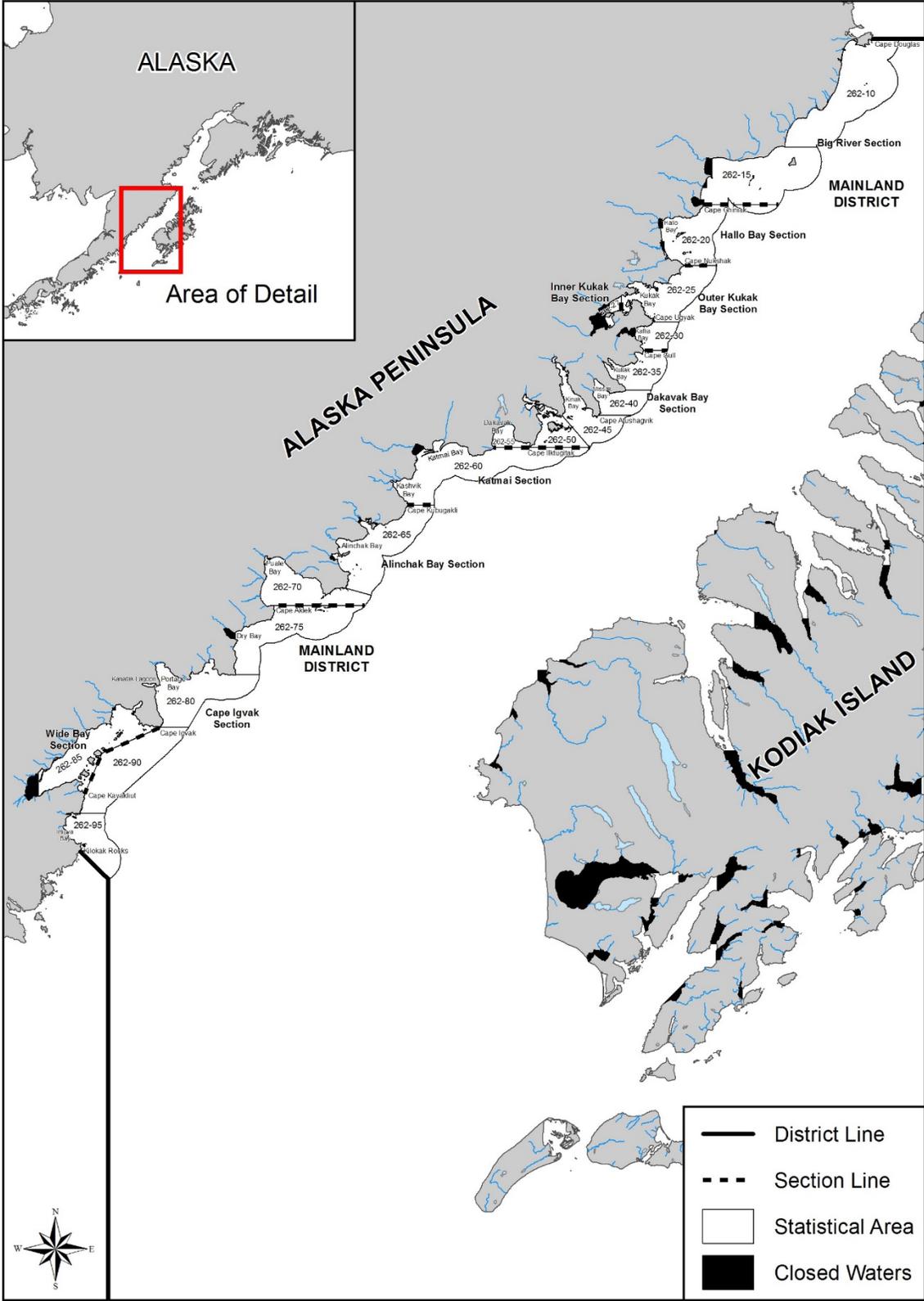
In 2023, pink salmon runs along the Mainland District were late and relatively low, resulting in low fishing effort. Mainland District chum salmon runs and escapement were moderate. After the fourth 57-hour pink salmon opener, which began on July 29, the Mainland District opened periodically during the month of August with a total of 13 days open to commercial salmon fishing. The estimated pink salmon escapement of 729,600 fish was within the escapement goal range of 250,000 to 1,000,000 fish (McKinley et al. 2019).

During 2023, the total commercial harvest by 13 permit holders in the Mainland District included 42 Chinook, 22,195 sockeye, 2,196 coho, 205,469 pink, and 38,988 chum salmon (Appendix K3). This includes all salmon harvested along the Mainland District, including those harvested under the direction of CISMP and NSSSSMP.

## REFERENCES CITED

- McKinley, T. R., K. L. Schaberg, M. J. Witteveen, M. B. Foster, M. L. Wattum, and T. L. Vincent. 2019. Review of salmon escapement goals in the Kodiak Management Area, 2019. Alaska Department of Fish and Game, Fishery Manuscript No. 19-07, Anchorage.

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



Appendix K3.–Daily commercial salmon harvest, by species, for the Mainland District Management Plan units, 2023.

Management unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Dakavak Bay Section	13-Jul	3	3	0	0	7,952	27,035	107	337	3,245	9,693	2,630	14,991
	5-Aug <sup>a</sup>												
	17-Aug <sup>a</sup>												
	18-Aug <sup>a</sup>												
	19-Aug <sup>a</sup>												
	21-Aug <sup>a</sup>												
	24-Aug <sup>a</sup>												
Total		7	11	0	0	8,124	27,866	184	806	134,784	452,473	5,650	40,384
Average weight (lb)					0.00		3.43		4.38		3.36		7.15
Management unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Alinchak Bay Section	29-Jul <sup>a</sup>												
	31-Jul <sup>a</sup>												
	4-Aug <sup>a</sup>												
	5-Aug <sup>a</sup>												
	20-Aug <sup>a</sup>												
Total		4	7	0	0	571	2,759	66	473	13,760	49,624	28,527	187,385
Average weight (lb)					0.00		4.83		7.17		3.61		6.57

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Management unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Cape Igvak Section	6-Jul <sup>a</sup>												
	7-Jul <sup>a</sup>												
	13-Jul <sup>a</sup>												
	22-Jul <sup>a</sup>												
	29-Jul <sup>a</sup>												
	30-Jul <sup>a</sup>												
	31-Jul <sup>a</sup>												
	21-Aug <sup>a</sup>												
Total		6	9	42	260	13,228	62,018	1,944	12,639	56,189	182,697	4,688	35,344
Average weight (lb)					6.19		4.69		6.50		3.25		7.54
Wide Bay <sup>a</sup> Section	5-Aug <sup>a</sup>												
Total <sup>a</sup>													
Average weight (lb)													
Mainland District													
Total		13	28	42	260	22,195	94,272	2,196	13,935	205,469	687,003	38,988	264,174
Average weight (lb)					6.19		4.25		6.35		3.34		6.78

<sup>a</sup> Confidential.



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

Appendix L1.—Commercial salmon harvest, by management unit and statistical week, all gear combined, in the Kodiak Management Area, 2023.

Section (Statistical Area)	Statistical week	Week ending	Chinook			Sockeye			Coho			Pink			Chum		
			No.	lb	Avg.	No.	lb	Avg.	No.	lb	Avg.	No.	lb	Avg.	No.	lb	Avg.
SW Afognak	24	17-Jun	0	0	0.0	474	2,404	5.1	0	0	0.0	287	872	3.0	789	6,026	7.6
& Raspberry Strait (combined)	25	24-Jun	0	0	0.0	236	1,267	5.4	0	0	0.0	230	724	3.1	363	2,604	7.2
(251-10, 11, 12, 20)	27	8-Jul	6	53	8.8	3,481	15,934	4.6	26	218	8.4	15,968	45,684	2.9	2,788	24,377	8.7
	28	15-Jul	124	838	6.8	38,764	191,026	4.9	2,053	12,762	6.2	60,177	191,782	3.2	7,154	50,199	7.0
	29	22-Jul	72	385	5.3	13,162	65,165	5.0	2,096	12,071	5.8	23,669	72,985	3.1	5,043	37,459	7.4
	30	29-Jul	88	697	7.9	9,763	44,844	4.6	1,887	12,754	6.8	55,242	174,203	3.2	2,423	17,177	7.1
	31	5-Aug	9	67	7.4	4,500	19,554	4.3	380	2,780	7.3	41,599	122,964	3.0	805	5,888	7.3
	32	12-Aug	0	0	0.0	1,298	6,521	5.0	187	1,408	7.5	28,910	103,987	3.6	150	1,143	7.6
	33	19-Aug	2	10	5.0	1,098	5,461	5.0	757	5,216	6.9	77,942	237,397	3.0	1,307	10,100	7.7
	34	26-Aug	0	0	0.0	1,534	6,166	4.0	207	1,187	5.7	22,844	55,816	2.4	61	416	6.8
	35	2-Sep	2	17	8.5	101	598	5.9	477	1,598	3.4	6,134	21,156	3.4	37	263	7.1
	Total		303	2,067	6.8	74,411	358,940	4.8	8,070	49,993	6.2	333,002	1,027,568	3.1	20,920	155,652	7.4
NW Afognak	24	17-Jun	0	0	0.0	468	1,684	3.6	0	0	0.0	0	0	0.0	19	121	6.4
(251-30, 40, 41, 50)	25	24-Jun	0	0	0.0	1,630	6,924	4.2	0	0	0.0	2	6	3.0	0	0	0.0
	27	8-Jul	0	0	0.0	959	4,799	5.0	0	0	0.0	100	310	3.1	27	192	7.1
	28	15-Jul	29	158	5.4	19,510	95,533	4.9	260	1,584	6.1	23,100	70,160	3.0	2,357	17,279	7.3
	29	22-Jul	0	0	0.0	1,532	6,586	4.3	297	1,691	5.7	6,653	22,165	3.3	536	3,167	5.9
	30	29-Jul	87	226	2.6	2,114	9,127	4.3	162	929	5.7	9,902	27,489	2.8	774	4,188	5.4
	31	5-Aug	4	20	5.0	198	1,192	6.0	98	588	6.0	6,534	13,068	2.0	53	427	8.1
	Total		120	404	3.4	26,411	125,845	4.8	817	4,792	5.9	46,291	133,198	2.9	3,766	25,374	6.7
Perenosa Bay (251-82, 83, 84, 85)	25	24-Jun	0	0	0.0	92	480	5.2	0	0	0.0	0	0	0.0	0	0	0.0
	Total		0	0	0.0	92	480	5.2	0	0	0.0	0	0	0.0	0	0	0.0

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Section (Statistical Area)	Statistical week	Week ending	Chinook			Sockeye			Coho			Pink			Chum		
			No.	lb	Avg.	No.	lb	Avg.	No.	lb	Avg.	No.	lb	Avg.	No.	lb	Avg.
N.E. Afognak (251-90, 252-10 & 20)	29	22-Jul	343	1,428	4.2	1,817	8,912	4.9	1,692	10,783	6.4	25,374	76,887	3.0	5,628	46,978	8.3
	30	29-Jul	378	1,414	3.7	2,701	12,805	4.7	1,687	10,825	6.4	63,924	202,664	3.2	3,545	26,931	7.6
	31	5-Aug	121	533	4.4	3,816	17,949	4.7	2,736	17,142	6.3	162,288	499,918	3.1	10,427	62,423	6.0
	32	12-Aug	24	125	5.2	331	1,357	4.1	227	1,044	4.6	45,760	139,812	3.1	1,651	8,844	5.4
	33	19-Aug	1	3	3.0	480	1,919	4.0	365	2,336	6.4	81,395	245,720	3.0	341	2,048	6.0
	34	26-Aug	0	0	0.0	336	1,441	4.3	412	2,773	6.7	51,463	158,340	3.1	294	1,994	6.8
	Total		867	3,503	4.0	9,481	44,382	4.7	7,119	44,903	6.3	430,204	1,323,340	3.1	21,886	149,218	6.8
Izhut Bay (252-30)	24	17-Jun	1	9	9.0	62	242	3.9	0	0	0.0	0	0	0.0	396	2,934	7.4
	25	24-Jun	99	559	5.6	99	522	5.3	0	0	0.0	110	227	2	2,717	20,915	7.7
	26	1-Jul	38	262	6.9	655	2,612	4.0	6	22	3.7	2,055	5,722	3	21,411	156,821	7.3
	28	15-Jul	403	2,050	5.1	4,843	21,600	4.5	432	2,710	6.3	12,524	39,270	3	95,162	673,229	7.1
	29	22-Jul	5	15	3.0	1,267	5,556	4.4	198	996	5.0	919	2,717	3	16,229	97,159	6.0
	30	29-Jul	0	0	0.0	362	1,718	4.7	134	914	6.8	96,976	294,647	3	1,520	10,831	7.1
	31	5-Aug	28	187	6.7	3,382	16,887	5.0	851	6,011	7.1	400,809	1,254,352	3	2,641	17,904	6.8
	32	12-Aug	2	31	15.5	547	2,510	4.6	413	2,512	6.1	455,274	1,401,936	3	231	1,530	6.6
	33	19-Aug	8	61	7.6	3,530	15,710	4.5	2,302	15,662	6.8	792,408	2,544,582	3	1,783	13,040	7.3
	34	26-Aug	1	4	3.9	2,622	12,025	4.6	12,681	82,670	6.5	853,556	2,626,876	3	491	3,231	6.6
	35	2-Sep	0	0	0.0	402	1,689	4.2	15,736	94,981	6.0	430,605	1,389,909	3	576	3,219	5.6
	36	9-Sep	0	0	0.0	5	18	3.6	342	2,060	6.0	3	9	3	5	20	4.0
	37	16-Sep	0	0	0.0	0	0	0.0	1,665	13,308	8.0	2,346	8,210	3	0	0	0.0
	Total		585	3,178	5.4	17,776	81,088	4.6	34,760	221,846	6.4	3,047,585	9,568,456	3.1	143,162	1,000,833	7.0

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Section (Statistical Area)	Statistical week	Week ending	Chinook			Sockeye			Coho			Pink			Chum			
			No.	lb	Avg.	No.	lb	Avg.	No.	lb	Avg.	No.	lb	Avg.	No.	lb	Avg.	
Kitoi Bay (252-32)	24	17-Jun	13	63	4.8	43	138	3.2	0	0	0.0	0	0	0.0	612	4,233	6.9	
	25	24-Jun	570	2,895	5.1	435	1,867	4.3	1	10	10.0	497	1,519	3.1	12,295	93,508	7.6	
	28	15-Jul	0	0	0.0	245	1,200	4.9	20	185	9.3	211	640	3.0	2,360	23,766	10.1	
	29	22-Jul	7	37	5.3	2,447	11,619	4.7	213	1,398	6.6	3,266	9,784	3.0	22,844	155,279	6.8	
	30	29-Jul	0	0	0.0	457	1,793	3.9	17	69	4.1	123,348	357,333	2.9	14,455	62,509	4.3	
	31	5-Aug	0	0	0.0	142	700	4.9	36	146	4.1	32,525	95,458	2.9	222	978	4.4	
	32	12-Aug	0	0	0.0	217	1,091	5.0	139	780	5.6	614,681	1,711,630	2.8	319	2,280	7.1	
	33	19-Aug	0	0	0.0	149	676	4.5	459	2,792	6.1	210,074	580,693	2.8	80	587	7.3	
	34	26-Aug	0	0	0.0	113	602	5.3	3,158	20,801	6.6	519,980	1,563,440	3.0	28	202	7.2	
	35	2-Sep	0	0	0.0	239	956	4.0	16,067	95,684	6.0	503,547	1,558,606	3.1	28	115	4.1	
	36	9-Sep	0	0	0.0	33	145	4.4	16,591	103,018	6.2	627,787	1,774,221	2.8	0	0	0.0	
	37	16-Sep	0	0	0.0	362	1,633	4.5	2,713	21,708	8.0	7,721	27,025	3.5	1	8	8.0	
		Total		590	2,995	5.1	4,882	22,420	4.6	39,414	246,591	6.3	2,643,637	7,680,349	2.9	53,244	343,464	6.5
	Duck Bay (252-31 & 35)	23	10-Jun	2	8	4.0	559	2,238	4.0	0	0	0.0	51	153	3.0	209	1,254	6.0
24		17-Jun	113	548	4.8	114	517	4.5	0	0	0.0	37	123	3.3	416	2,621	6.3	
25		24-Jun	50	299	6.0	406	1,877	4.6	2	11	5.5	793	2,291	2.9	2,130	15,655	7.3	
26		1-Jul	312	1,431	4.6	1,447	6,847	4.7	64	328	5.1	6,473	16,218	2.5	9,745	75,021	7.7	
27		8-Jul	164	645	3.9	1,079	4,506	4.2	434	1,820	4.2	4,401	12,780	2.9	5,941	27,125	4.6	
28		15-Jul	192	805	4.2	1,088	4,975	4.6	317	1,945	6.1	2,197	6,638	3.0	10,561	60,485	5.7	
29		22-Jul	54	252	4.7	1,380	5,651	4.1	736	4,047	5.5	26,254	79,203	3.0	3,028	17,869	5.9	
30		29-Jul	4	29	7.3	1,318	5,820	4.4	425	2,514	5.9	101,394	300,798	3.0	1,086	7,123	6.6	
31		5-Aug	17	105	6.2	3,499	16,927	4.8	1,333	8,189	6.1	469,144	1,448,453	3.1	4,335	20,501	4.7	
32		12-Aug	14	117	8.3	4,986	22,243	4.5	2,442	14,599	6.0	1,114,283	3,340,260	3.0	3,321	21,840	6.6	
33		19-Aug	2	15	7.5	2,133	9,732	4.6	3,101	18,243	5.9	1,605,525	4,924,196	3.1	1,160	7,261	6.3	
34		26-Aug	3	17	5.7	1,385	6,901	5.0	6,889	43,260	6.3	1,134,604	3,629,060	3.2	824	5,018	6.1	
35		2-Sep	2	15	7.5	1,307	6,230	4.8	7,080	46,236	6.5	752,004	2,240,747	3.0	186	1,324	7.1	
		Total		929	4,285	4.6	20,701	94,463	4.6	22,823	141,191	6.2	5,217,160	16,000,919	3.1	42,942	263,096	6.1

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Section (Statistical Area)	Statistical week	Week ending	Chinook			Sockeye			Coho			Pink			Chum		
			No.	lb	Avg.	No.	lb	Avg.	No.	lb	Avg.	No.	lb	Avg.	No.	lb	Avg.
S.E. Afognak (252-33 & 34)	31	5-Aug	7	85	12.1	1,292	4,953	3.8	207	1,250	6.0	214,368	665,690	3.1	1,733	7,814	4.5
	32	12-Aug	4	44	11.0	245	1,107	4.5	154	1,050	6.8	100,200	269,561	2.7	495	3,275	6.6
	Total			11	129	11.7	1,537	6,060	3.9	361	2,300	6.4	314,568	935,251	3.0	2,228	11,089
Central, Terror Bay,	23	10-Jun	13	60	4.6	15,614	72,839	4.7	24	170	7.1	50	136	2.7	567	3,541	6.2
Inner Uganik, Spiridon,	24	17-Jun	10	70	7.0	23,129	112,493	4.9	1	8	8.0	758	2,462	3.2	3,734	22,427	6.0
Zachar, & Uyak combined	25	24-Jun	69	396	5.7	16,724	81,707	4.9	1	5	5.0	6,350	17,256	2.7	8,602	52,842	6.1
(253-11, 12, 13, 14, 31	26	1-Jul	0	0	0.0	1,107	4,871	4.4	0	0	0.0	267	802	3.0	1	10	10.0
32, 33, 34, 35, 254-10, 20,	27	8-Jul	96	522	5.4	76,955	389,315	5.1	122	751	6.2	168,292	570,951	3.4	42,584	298,423	7.0
21, 30, 31, 40, 41, 50)	28	15-Jul	210	1,349	6.4	144,640	698,069	4.8	2,158	12,693	5.9	231,737	744,318	3.2	50,894	352,456	6.9
	29	22-Jul	311	2,073	6.7	118,662	571,262	4.8	10,393	57,569	5.5	181,210	579,769	3.2	36,536	233,886	6.4
	30	29-Jul	318	2,350	7.4	100,005	449,873	4.5	8,234	49,552	6.0	363,744	1,160,166	3.2	25,307	170,462	6.7
	31	5-Aug	137	852	6.2	88,970	430,820	4.8	5,136	33,176	6.5	525,637	1,696,038	3.2	16,581	116,705	7.0
	32	12-Aug	56	713	12.7	79,137	384,043	4.9	4,901	30,483	6.2	557,189	1,848,602	3.3	12,641	86,710	6.9
	33	19-Aug	39	328	8.4	84,799	432,539	5.1	6,009	38,828	6.5	783,780	2,555,973	3.3	5,901	41,640	7.1
	34	26-Aug	55	380	6.9	91,446	458,990	5.0	9,934	63,617	6.4	1,038,719	3,484,990	3.4	5,797	38,315	6.6
	35	2-Sep	18	158	8.8	104,053	517,097	5.0	9,845	65,286	6.6	593,820	1,900,719	3.2	3,365	22,803	6.8
	36	9-Sep	4	31	7.8	87,809	402,043	4.6	4,894	36,380	7.4	76,763	253,258	3.3	824	6,330	7.7
	37	16-Sep	0	0	0.0	7,886	36,737	4.7	498	3,251	6.5	972	3,013	3.1	61	409	6.7
Total			1,336	9,282	6.9	1,040,936	5,042,696	4.8	62,150	391,768	6.3	4,529,288	14,818,452	3.3	213,395	1,446,958	6.8

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Section (Statistical Area)	Statistical week	Week ending	Chinook			Sockeye			Coho			Pink			Chum		
			No.	lb	Avg.	No.	lb	Avg.	No.	lb	Avg.	No.	lb	Avg.	No.	lb	Avg.
North Cape, Anton	23	10-Jun	2	12	6.0	663	2,646	4.0	0	0	0.0	65	154	2.4	162	1,072	6.6
Larsen, Sharatin, & Kizhuyak combined	24	17-Jun	7	33	4.7	433	1,916	4.4	0	0	0.0	18	53	2.9	73	537	7.4
(259-30, 31, 32, 33, 34, 35, 36, 37, 38, 39)	25	24-Jun	2	9	4.5	416	1,919	4.6	0	0	0.0	296	625	2.1	153	935	6.1
	27	8-Jul	211	896	4.2	3,182	12,462	3.9	452	2,539	5.6	11,548	31,945	2.8	2,476	14,980	6.0
	28	15-Jul	337	1,276	3.8	4,041	18,219	4.5	2,998	19,211	6.4	23,945	69,842	2.9	3,442	24,973	7.3
	29	22-Jul	33	150	4.5	2,466	10,878	4.4	336	2,240	6.7	12,847	36,689	2.9	1,369	9,753	7.1
	30	29-Jul	12	81	6.8	2,118	10,590	5.0	216	1,304	6.0	12,616	37,147	2.9	1,113	7,673	6.9
	31	5-Aug	60	390	6.5	2,030	9,230	4.5	726	4,177	5.8	87,951	279,861	3.2	2,815	19,195	6.8
	32	12-Aug	42	310	7.4	5,987	26,576	4.4	2,351	13,012	5.5	389,669	1,182,116	3.0	9,039	57,502	6.4
	33	19-Aug	19	155	8.2	2,387	11,285	4.7	1,137	6,971	6.1	297,633	912,388	3.1	3,133	21,233	6.8
	34	26-Aug	4	19	4.8	854	4,066	4.8	1,471	9,346	6.4	135,669	431,127	3.2	1,092	7,620	7.0
	35	2-Sep	0	0	0.0	715	3,344	4.7	2,008	11,244	5.6	73,519	218,565	3.0	921	5,542	6.0
	Total		729	3,331	4.6	25,292	113,129	4.5	11,695	70,044	6.0	1,045,776	3,200,511	3.1	25,788	171,014	6.6
Inner Karluk (255-10)	33	19-Aug	0	0	0.0	52,135	250,836	4.8	299	2,108	7.1	64,725	219,601	3.4	599	4,310	7.2
	34	26-Aug	10	73	7.3	42,866	209,008	4.9	698	4,712	6.8	111,350	358,272	3.2	1,011	6,854	6.8
	35	2-Sep	4	35	8.8	51,039	246,248	4.8	1,264	8,196	6.5	48,793	158,301	3.2	718	4,979	6.9
	36	9-Sep	0	0	0.0	48,257	188,660	3.9	1,407	11,019	7.8	12,835	46,343	3.6	294	2,049	7.0
	37	16-Sep	2	14	5.0	44,718	213,776	4.8	2,434	18,370	7.5	1,997	6,722	3.4	114	879	7.7
	38	23-Sep	2	15	7.5	9,952	59,716	6.0	563	3,383	6.0	65	196	3.0	19	136	7.2
	39	30-Sep	0	0	0.0	14,062	78,536	5.6	604	4,247	7.0	45	156	3.5	25	181	7.2
	Total		18	137	7.6	263,029	1,246,780	4.7	7,269	52,035	7.2	239,810	789,590	3.3	2,780	19,388	7.0

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Section (Statistical Area)	Statistical week	Week ending	Chinook			Sockeye			Coho			Pink			Chum		
			No.	lb	Avg.	No.	lb	Avg.	No.	lb	Avg.	No.	lb	Avg.	No.	lb	Avg.
Outer Karluk (255-20)	24	17-Jun	4	22	5.5	2,429	10,144	4.2	0	0	0.0	105	306	2.9	571	3,714	6.5
	25	24-Jun	11	54	4.9	7,790	33,566	4.3	0	0	0.0	751	2,236	3.0	3,516	24,115	6.9
	27	8-Jul	5	31	6.2	11,608	46,431	4.0	8	38	4.8	12,327	39,943	3.2	3,815	26,682	7.0
	28	15-Jul	2	16	8.0	3,400	14,940	4.4	2	9	4.5	2,978	9,407	3.2	666	5,379	8.1
	31	5-Aug	0	0	0.0	15,131	72,130	4.8	680	4,184	6.2	138,244	435,139	3.1	1,292	8,602	6.7
	32	12-Aug	1	5	5.0	30,432	135,487	4.5	1,236	6,202	5.0	169,501	558,351	3.3	2,956	21,112	7.1
	33	19-Aug	2	10	5.0	39,188	187,259	4.8	1,179	6,774	5.7	304,927	978,890	3.2	1,334	8,953	6.7
	34	26-Aug	10	83	8.3	91,906	455,137	5.0	3,197	21,427	6.7	649,573	2,070,988	3.2	2,386	17,178	7.2
	35	2-Sep	0	0	0.0	32,405	148,421	4.6	1,512	10,970	7.3	124,620	393,046	3.2	760	5,647	7.4
	36	9-Sep	2	15	7.5	29,373	120,912	4.1	1,954	14,960	7.7	9,900	31,901	3.2	261	1,906	7.3
	37	16-Sep	2	6	3.0	37,051	171,274	4.6	3,166	19,260	6.1	3,711	11,529	3.1	210	1,416	6.7
	38	23-Sep	7	54	7.7	48,215	211,943	4.4	1,677	12,629	7.5	358	1,049	2.9	99	687	6.9
	39	30-Sep	0	0	0.0	9,664	43,490	4.5	383	3,028	7.9	42	149	3.5	12	80	6.7
		Total		46	296	6.4	358,592	1,651,135	4.6	14,994	99,480	6.6	1,417,037	4,532,933	3.2	17,878	125,469
Sturgeon (256-40)	32	12-Aug	0	0	0.0	4,496	19,715	4.4	84	643	7.7	27,750	88,546	3.2	123	988	8.0
	33	19-Aug	0	0	0.0	9,871	39,846	4.0	199	916	4.6	17,724	57,222	3.2	193	930	4.8
	35	2-Sep	0	0	0.0	408	2,042	5.0	0	0	0.0	98	343	3.5	0	0	0.0
	38	23-Sep	0	0	0.0	5,988	17,822	3.0	102	612	6.0	0	0	0.0	3	19	6.3
	Total		0	0	0.0	20,763	79,425	3.8	385	2,171	5.6	45,572	146,111	3.2	319	1,937	6.1
Halibut Bay (256-25 & 30)	27	8-Jul	0	0	0.0	686	3,146	4.6	0	0	0.0	577	1,684	2.9	62	463	7.5
	28	15-Jul	6	47	7.9	12,248	64,894	5.3	59	303	5.1	17,199	53,131	3.1	1,250	8,225	6.6
	29	22-Jul	15	75	5.0	17,869	85,542	4.8	605	3,895	6.4	15,251	46,564	3.1	2,745	18,177	6.6
	30	29-Jul	0	0	0.0	2,057	9,527	4.6	143	649	4.5	3,719	7,280	2.0	244	1,432	5.9
	31	5-Aug	0	0	0.0	5,816	27,822	4.8	142	898	6.3	10,202	32,724	3.2	5,252	41,347	7.9
	32	12-Aug	0	0	0.0	4,218	20,937	5.0	92	630	6.9	9,016	32,670	3.6	516	3,962	7.7
	33	19-Aug	41	410	10.0	11,313	54,877	4.9	328	1,925	5.9	28,280	99,846	3.5	112	745	6.7
	34	26-Aug	15	146	9.7	22,649	106,864	4.7	614	3,943	6.4	194,939	625,774	3.2	604	3,813	6.3
	35	2-Sep	2	21	10.5	7,555	36,686	4.9	1,362	8,986	6.6	25,591	80,099	3.1	64	520	8.1
	36	9-Sep	1	8	8.0	5,813	26,448	4.5	1,723	10,165	5.9	12,645	39,571	3.1	119	789	6.6
	Total		80	707	8.8	90,224	436,742	4.8	5,068	31,394	6.2	317,419	1,019,343	3.2	10,968	79,472	7.2

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Section (Statistical Area)	Statistical week	Week ending	Chinook			Sockeye			Coho			Pink			Chum		
			No.	lb	Avg.	No.	lb	Avg.	No.	lb	Avg.	No.	lb	Avg.	No.	lb	Avg.
Inner & Outer Ayakulik (256-10, 15, 20)	25	24-Jun	3	11	3.7	14,805	65,405	4.4	1	4	4.0	1,118	3,287	2.9	2,033	14,015	6.9
	27	8-Jul	44	273	6.2	28,918	136,489	4.7	54	393	7.3	6,275	18,928	3.0	1,821	13,945	7.7
	28	15-Jul	18	99	5.5	40,424	170,555	4.2	337	2,313	6.9	14,687	51,444	3.5	3,207	23,085	7.2
	29	22-Jul	6	45	7.5	33,013	155,270	4.7	137	879	6.4	5,044	16,535	3.3	1,687	12,122	7.2
	30	29-Jul	1	9	9.0	6,603	31,797	4.8	110	692	6.3	3,251	9,680	3.0	690	5,411	7.8
	32	12-Aug	4	38	9.5	29,040	154,446	5.3	733	5,106	7.0	37,391	120,930	3.2	2,354	16,890	7.2
	33	19-Aug	0	0	0.0	491	2,705	5.5	10	57	5.7	462	2,308	5.0	0	0	0.0
	Total		76	475	6.2	153,294	716,666	4.7	1,382	9,444	6.8	68,228	223,111	3.3	11,792	85,467	7.2
Cape Alitak (257-10 & 20)	24	17-Jun	1	2	2.0	8,760	37,807	4.3	0	0	0.0	56	180	3.2	102	737	7.2
	25	24-Jun	7	52	7.4	15,938	74,157	4.7	0	0	0.0	547	1,735	3.2	329	2,492	7.6
	26	1-Jul	7	19	2.7	14,035	68,519	4.9	4	29	7.3	3,109	10,762	3.5	397	2,790	7.0
	27	8-Jul	0	0	0.0	3,683	17,391	4.7	0	0	0.0	17,670	50,558	2.9	626	4,324	6.9
	29	22-Jul	3	14	4.7	4,390	19,641	4.5	35	202	5.8	8,659	24,926	2.9	679	5,015	7.4
	30	29-Jul	24	354	14.8	6,280	31,152	5.0	140	773	5.5	16,870	55,782	3.3	531	3,977	7.5
	31	5-Aug	15	190	12.7	7,871	37,525	4.8	260	1,548	6.0	59,710	188,955	3.2	3,148	20,183	6.4
	32	12-Aug	18	243	13.5	17,360	87,808	5.1	212	1,294	6.1	112,612	354,960	3.2	1,532	10,393	6.8
	33	19-Aug	4	40	10.0	7,341	37,258	5.1	229	1,600	7.0	89,003	278,825	3.1	1,060	7,643	7.2
	34	26-Aug	0	0	0.0	7,632	38,562	5.1	363	2,236	6.2	123,806	387,961	3.1	1,023	7,254	7.1
	Total		79	914	11.6	93,290	449,819	4.8	1,243	7,682	6.2	432,042	1,354,642	3.1	9,427	64,807	6.9

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Section (Statistical Area)	Statistical week	Week ending	Chinook			Sockeye			Coho			Pink			Chum		
			No.	lb	Avg.	No.	lb	Avg.	No.	lb	Avg.	No.	lb	Avg.	No.	lb	Avg.
Moser/Olga Bay & Dog Salmon Flats (257-30, 31, 40, 41, 42, 43)	24	17-Jun	0	0	0.0	21,617	101,014	4.7	0	0	0.0	7	28	4.0	1	7	7.0
	25	24-Jun	0	0	0.0	18,776	86,333	4.6	0	0	0.0	32	102	3.2	22	169	7.7
	26	1-Jul	1	14	14.0	11,778	54,177	4.6	0	0	0.0	268	897	3.3	70	516	7.4
	27	8-Jul	0	0	0.0	7,325	32,402	4.4	0	0	0.0	2,509	7,716	3.1	222	1,566	7.1
	29	22-Jul	1	15	15.0	3,731	16,534	4.4	1	5	5.0	2,635	9,311	3.5	157	1,079	6.9
	30	29-Jul	0	0	0.0	6,156	27,765	4.5	2	11	5.5	4,259	14,024	3.3	172	1,205	7.0
	31	5-Aug	0	0	0.0	16,296	78,088	4.8	8	45	5.6	12,900	40,614	3.1	343	2,371	6.9
	32	12-Aug	0	0	0.0	22,311	109,314	4.9	64	462	7.2	18,238	59,485	3.3	360	2,402	6.7
	33	19-Aug	1	18	18.0	21,140	108,752	5.1	323	2,275	7.0	26,662	90,064	3.4	555	3,928	7.1
	34	26-Aug	1	9	9.0	18,670	93,829	5.0	522	3,850	7.4	24,788	81,875	3.3	807	5,813	7.2
	35	2-Sep	0	0	0.0	12,464	59,181	4.7	639	4,444	7.0	12,681	40,709	3.2	1,111	7,984	7.2
	36	9-Sep	0	0	0.0	7,722	36,191	4.7	211	1,494	7.1	5,993	19,011	3.2	416	2,924	7.0
	Total		4	56	14.0	167,986	803,580	4.8	1,770	12,586	7.1	110,972	363,836	3.3	4,236	29,964	7.1
Humpy-Deadman (257-50, 60, 70)	26	1-Jul	0	0	0.0	945	4,179	4.4	0	0	0.0	116	373	3.2	43	268	6.2
	27	8-Jul	0	0	0.0	571	3,269	5.7	64	445	7.0	2,761	8,856	3.2	237	1,617	6.8
	29	22-Jul	20	99	5.0	261	1,294	5.0	5	22	4.4	525	1,312	2.5	199	2,184	11.0
	30	29-Jul	0	0	0.0	513	2,595	5.1	64	351	5.5	5,830	19,247	3.3	95	669	7.0
	31	5-Aug	0	0	0.0	698	3,027	4.3	48	295	6.1	15,502	48,195	3.1	448	2,760	6.2
	32	12-Aug	0	0	0.0	2,536	12,918	5.1	26	157	6.0	30,670	102,050	3.3	1,011	6,880	6.8
	33	19-Aug	0	0	0.0	8,361	42,778	5.1	213	1,299	6.1	208,246	654,205	3.1	2,002	15,229	7.6
	34	26-Aug	2	17	8.5	8,185	40,584	5.0	763	4,869	6.4	391,352	1,278,010	3.3	5,542	36,187	6.5
	35	2-Sep	0	0	0.0	988	4,756	4.8	256	1,806	7.1	126,635	407,091	3.2	3,382	23,479	6.9
	Total		22	116	5.3	23,058	115,400	5.0	1,439	9,244	6.4	781,637	2,519,339	3.2	12,959	89,273	6.9

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Section (Statistical Area)	Statistical week	Week ending	Chinook			Sockeye			Coho			Pink			Chum		
			No.	lb	Avg.	No.	lb	Avg.	No.	lb	Avg.	No.	lb	Avg.	No.	lb	Avg.
Seven Rivers (258-70, 80, 85, 90)	25	24-Jun	12	58	4.8	7,213	32,058	4.4	0	0	0.0	4,161	13,098	3.1	4,630	38,454	8.3
	27	8-Jul	30	108	3.6	2,804	12,235	4.4	107	733	6.9	11,569	40,180	3.5	2,445	16,322	6.7
	28	15-Jul	0	0	0.0	1,736	8,330	4.8	16	129	8.1	5,873	21,260	3.6	855	6,312	7.4
	29	22-Jul	0	0	0.0	3,526	18,297	5.2	118	710	6.0	22,798	69,827	3.1	4,260	29,296	6.9
	30	29-Jul	0	0	0.0	1,943	9,469	4.9	511	3,387	6.6	19,444	70,449	3.6	1,853	11,860	6.4
	31	5-Aug	0	0	0.0	186	691	3.7	0	0	0.0	4,537	14,521	3.2	64	453	7.1
	32	12-Aug	0	0	0.0	217	1,209	5.6	61	446	7.3	43,864	155,247	3.5	158	1,255	7.9
	33	19-Aug	0	0	0.0	10	63	6.3	12	68	5.7	131,748	437,612	3.3	20	148	7.4
	34	26-Aug	0	0	0.0	352	1,977	5.6	112	708	6.3	131,655	444,444	3.4	220	1,587	7.2
	Total			42	166	4.0	17,987	84,329	4.7	937	6,180	6.6	375,649	1,266,638	3.4	14,505	105,687
Two-Headed (258-54, 55, 60)	24	17-Jun	0	0	0.0	1,062	3,318	3.1	1	3	3.0	51	104	2.0	324	2,083	6.4
	25	24-Jun	41	152	3.7	3,750	17,211	4.6	1	6	6.0	898	2,930	3.3	2,992	20,518	6.9
	27	8-Jul	36	145	4.0	769	3,663	4.8	52	307	5.9	2,253	6,860	3.0	1,445	8,020	5.6
	28	15-Jul	31	89	2.9	872	3,835	4.4	180	748	4.2	2,443	8,180	3.3	1,302	7,487	5.8
	32	12-Aug	0	0	0.0	93	463	5.0	11	64	5.8	4,686	17,803	3.8	85	553	6.5
	33	19-Aug	0	0	0.0	318	1,589	5.0	17	145	8.5	5,423	16,432	3.0	77	861	11.2
	34	26-Aug	10	110	11.0	578	2,905	5.0	342	2,138	6.3	58,453	193,725	3.3	753	6,767	9.0
Total			118	496	4.2	7,442	32,984	4.4	604	3,411	5.6	74,207	246,033	3.3	6,978	46,289	6.6

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Section (Statistical Area)	Statistical week	Week ending	Chinook			Sockeye			Coho			Pink			Chum		
			No.	lb	Avg.	No.	lb	Avg.	No.	lb	Avg.	No.	lb	Avg.	No.	lb	Avg.
Sitkalidak (258-10, 20, 30, 40, 51, 52, 53)	24	17-Jun	27	187	6.9	8,816	37,879	4.3	2	7	3.5	1,008	2,903	2.9	3,849	28,411	7.4
	25	24-Jun	378	1,808	4.8	22,067	105,474	4.8	5	25	5.0	12,464	36,544	2.9	22,937	157,274	6.9
	27	8-Jul	1,406	6,035	4.3	12,707	56,415	4.4	2,575	15,285	5.9	29,340	98,080	3.3	12,909	87,337	6.8
	28	15-Jul	1,083	4,384	4.0	16,752	83,668	5.0	8,277	47,200	5.7	41,167	108,831	2.6	12,596	80,097	6.4
	29	22-Jul	868	3,452	4.0	17,089	71,005	4.2	7,302	37,214	5.1	62,871	181,979	2.9	11,649	66,186	5.7
	30	29-Jul	213	974	4.6	7,861	35,734	4.5	2,621	15,778	6.0	50,424	160,483	3.2	9,019	60,966	6.8
	31	5-Aug	375	2,039	5.4	9,492	42,762	4.5	3,001	16,150	5.4	98,162	312,758	3.2	14,114	90,437	6.4
	32	12-Aug	583	4,038	6.9	11,825	55,192	4.7	4,088	26,877	6.6	408,457	1,281,823	3.1	22,160	176,525	8.0
	33	19-Aug	147	1,302	8.9	6,216	28,411	4.6	2,395	14,050	5.9	776,320	2,573,584	3.3	21,683	158,319	7.3
	34	26-Aug	102	885	8.7	3,668	18,027	4.9	4,698	31,512	6.7	973,756	3,144,569	3.2	20,833	139,601	6.7
	35	2-Sep	13	153	11.8	221	1,139	5.2	1,976	13,997	7.1	179,506	592,466	3.3	4,100	29,155	7.1
	Total			5,195	25,257	4.9	116,714	535,706	4.6	36,940	218,095	5.9	2,633,475	8,494,020	3.2	155,849	1,074,308
Inner & Outer Ugak (259-40, 41, 42, 43, 44 45, 46)	25	24-Jun	31	123	4.0	795	2,359	3.0	0	0	0.0	310	635	2.0	1,321	7,931	6.0
	27	8-Jul	9	53	5.8	104	314	3.0	25	99	4.0	245	489	2.0	123	738	6.0
	28	15-Jul	2	8	4.0	158	690	4.4	0	0	0.0	71	200	2.8	1	12	12.0
	29	22-Jul	42	223	5.3	289	1,291	4.5	20	134	6.7	330	1,125	3.4	114	756	6.6
	30	29-Jul	31	231	7.5	53	230	4.3	11	95	8.6	180	504	2.8	45	329	7.3
	31	5-Aug	5	42	8.4	254	1,023	4.0	17	90	5.3	18,225	55,078	3.0	398	2,405	6.0
	32	12-Aug	0	0	0.0	23	102	4.4	9	56	6.2	22,228	66,683	3.0	13	101	7.8
	33	19-Aug	0	0	0.0	0	0	0.0	3	18	6.0	403	806	2.0	30	214	7.1
Total			120	680	5.7	1,676	6,009	3.6	85	492	5.8	41,992	125,520	3.0	2,045	12,485	6.1
Outer Chiniak (259-21, 25)	31	5-Aug	10	140	14.0	248	1,088	4.4	83	423	5.1	139,524	405,327	2.9	807	5,065	6.3
	32	12-Aug	19	378	19.9	41	165	4.0	3	15	5.1	28,239	109,936	3.9	199	1,457	7.3
	33	19-Aug	0	0	0.0	1	6	6.0	12	69	5.8	36,427	117,478	3.2	935	5,628	6.0
	Total			29	518	17.9	290	1,259	4.3	98	507	5.2	204,190	632,741	3.1	1,941	12,150

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Section (Statistical Area)	Statistical week	Week ending	Chinook			Sockeye			Coho			Pink			Chum		
			No.	lb	Avg.	No.	lb	Avg.	No.	lb	Avg.	No.	lb	Avg.	No.	lb	Avg.
Inner Chiniak (259-21, 24, 27)	31	5-Aug	0	0	0.0	16	76	4.8	1	8	8.0	8,668	30,341	3.5	22	174	7.9
	32	12-Aug	8	72	9.0	10	42	4.2	6	33	5.5	8,139	16,279	2.0	121	730	6.0
	33	19-Aug	5	25	5.0	1	4	4.0	38	204	5.4	64,388	179,026	2.8	702	5,117	7.3
	34	26-Aug	0	0	0.0	3	10	3.3	6	27	4.5	5,695	11,391	2.0	100	603	6.0
	Total			13	97	7.5	30	132	4.4	51	272	5.3	86,890	237,037	2.7	945	6,624
Buskin River	31	5-Aug	0	0	0.0	7	24	3.4	7	30	4.3	7,140	14,281	2.0	1,114	6,688	6.0
	32	12-Aug	5	35	7.0	93	407	4.4	5	29	5.8	17,379	49,498	2.8	4,069	28,699	7.1
	33	19-Aug	0	0	0.0	106	529	5.0	10	54	5.4	11,515	32,306	2.8	3,191	20,511	6.4
	34	26-Aug	0	0	0.0	1	4	4.0	0	0	0.0	1,466	6,305	4.3	531	3,539	6.7
	Total			5	35	7.0	207	964	4.7	22	113	5.1	37,500	102,390	2.7	8,905	59,437
Monaska/Mill Bay (259-10)	32	12-Aug	0	0	0.0	6	27	4.5	1	8	8.3	740	2,220	3.0	2	10	5.1
	33	19-Aug	0	0	0.0	0	0	0.0	2	9	4.5	4,073	8,147	2.0	2	14	7.0
	34	26-Aug	0	0	0.0	96	389	4.1	280	1,437	5.1	53,602	141,397	2.6	53	350	6.6
	35	2-Sep	0	0	0.0	0	0	0.0	28	165	5.9	6,309	19,508	3.1	0	0	0.0
	38	23-Sep	1	8	8.0	0	0	0.0	3,915	31,293	8.0	9	32	3.6	4	33	8.3
Total			1	8	8.0	102	416	4.1	4,226	32,912	7.8	64,733	171,304	2.6	61	407	6.7

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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. av	
Dakavak (262-35, 40, 45, 50, 55)	28	15-Jul	0	0	0.0	7,952	27,035	3.4	107	337	3.1	3,245	9,693	3.0	2,630	14,991	5.7
	31	5-Aug	0	0	0.0	145	723	5.0	60	322	5.4	7,080	24,071	3.4	240	1,535	6.4
	33	19-Aug	0	0	0.0	7	35	5.0	5	45	9.0	83,952	276,133	3.3	2,019	16,550	8.2
	34	26-Aug	0	0	0.0	20	73	3.7	12	102	8.5	40,507	142,576	3.5	761	7,308	9.6
	Total		0	0	0.0	8,124	27,866	3.4	184	806	4.4	134,784	452,473	3.4	5,650	40,384	7.1
Alinchak (262-65, 70)	30	29-Jul	0	0	0.0	441	2,087	4.7	43	264	6.1	1,831	7,059	3.9	9,843	69,885	7.1
	31	5-Aug	0	0	0.0	51	257	5.0	2	12	6.0	2,406	7,327	3.0	18,459	115,025	6.2
	34	26-Aug	0	0	0.0	79	415	5.3	21	197	9.4	9,523	35,238	3.7	225	2,475	11
	Total		0	0	0.0	571	2,759	4.8	66	473	7.2	13,760	49,624	3.6	28,527	187,385	6.6
Cape Igvak (262-75, 80, 90, 95)	27	8-Jul	42	260	6.2	2,134	8,958	4.2	0	0	0.0	3,147	10,070	3.2	757	5,906	7.8
	28	15-Jul	0	0	0.0	279	1,020	3.7	9	48	5.4	226	745	3.3	129	829	6.4
	29	22-Jul	0	0	0.0	5,768	28,841	5.0	168	1,342	8.0	3,456	12,095	3.5	1,201	9,550	8.0
	30	29-Jul	0	0	0.0	1,230	5,809	4.7	373	2,317	6.2	3,670	14,163	3.9	561	3,983	7.1
	31	5-Aug	0	0	0.0	3,091	13,033	4.2	818	5,885	7.2	15,854	56,118	3.5	1,672	11,953	7.1
	34	26-Aug	0	0	0.0	726	4,357	6.0	576	3,047	5.3	29,836	89,506	3.0	368	3,123	8.5
	Total		42	260	6.2	13,228	62,018	4.7	1,944	12,639	6.5	56,189	182,697	3.3	4,688	35,344	7.5
Wide Bay (262-85)	31	5-Aug	0	0	0.0	272	1,629	6.0	2	17	8.3	736	2,209	3.0	123	1,061	8.6
	Total		0	0	0.0	272	1,629	6.0	2	17	8.3	736	2,209	3.0	123	1,061	8.6
Grand Total			10,759	56,266	6.8	2,551,979	12,116,640	4.5	226,143	1,424,490	6.8	21,786,128	68,984,038	3.1	772,435	5,289,481	6.7

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, 2023.

District	Number of Fish				
	Chinook	Sockeye	Coho	Pink	Chum
Afognak	0	40,059	2,630	401,400	104
Northwest Kodiak	0	34,300	0	820,800	76,300
Southwest Kodiak	969	1,105,739	10,840	548,068	2,438
Alitak	15	373,705	5,455	892,044	40,444
Eastside Kodiak	3	56,531	7,400	1,198,415	118,531
Northeast Kodiak	0	1,761	3,588	579,686	7,432
Mainland	0	4,450	4,600	729,600	236,750
Area Total	987	1,616,545	34,513	5,170,013	481,999