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Kodiak Management Area Commercial Salmon Fishery Annual Management Report, 2009

by

Joe Dinnocenzo,

Geoff Spalinger,

and

Iris O. Caldentey

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Alaska Department of Fish and Game **Divisions of Sport Fish and Commercial Fisheries**

Symbols and Abbreviations

The following symbols and abbreviations, and others approved for the Système International d'Unités (SI), are used without definition in the following reports by the Divisions of Sport Fish and of Commercial Fisheries: Fishery Manuscripts, Fishery Data Series Reports, Fishery Management Reports, and Special Publications. All others, including deviations from definitions listed below, are noted in the text at first mention, as well as in the titles or footnotes of tables, and in figure or figure captions.

Weights and measures (metric)

centimeter	cm
deciliter	dL
gram	g
hectare	ha
kilogram	kg
kilometer	km
liter	L
meter	m
milliliter	mL
millimeter	mm

Weights and measures (English)

cubic feet per second	ft^3/s
foot	ft
gallon	gal
inch	in
mile	mi
nautical mile	nmi
ounce	oz
pound	lb
quart	qt
yard	yd

Time and temperature

day	d
degrees Celsius	°C
degrees Fahrenheit	°F
degrees kelvin	K
hour	h
minute	min
second	s

Physics and chemistry

all atomic symbols	
alternating current	AC
ampere	A
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

General

Alaska Administrative Code	AAC
all commonly accepted abbreviations	e.g., Mr., Mrs., AM, PM, etc.
all commonly accepted professional titles	e.g., Dr., Ph.D., R.N., etc.
at	@
compass directions:	
east	E
north	N
south	S
west	W
copyright	©
corporate suffixes:	
Company	Co.
Corporation	Corp.
Incorporated	Inc.
Limited	Ltd.
District of Columbia	D.C.
et alii (and others)	et al.
et cetera (and so forth)	etc.
exempli gratia (for example)	e.g.
Federal Information Code	FIC
id est (that is)	i.e.
latitude or longitude	lat. or long.
monetary symbols (U.S.)	$, ¢
months (tables and figures): first three letters	Jan,...,Dec
registered trademark	®
trademark	™
United States (adjective)	U.S.
United States of America (noun)	USA
U.S.C.	United States Code
U.S. state	use two-letter abbreviations (e.g., AK, WA)

Measures (fisheries)

fork length	FL
mideye to fork	MEF
mideye to tail fork	METF
standard length	SL
total length	TL

Mathematics, statistics

all standard mathematical signs, symbols and abbreviations	
alternate hypothesis	H_A
base of natural logarithm	*e*
catch per unit effort	CPUE
coefficient of variation	CV
common test statistics	(F, t, χ^2, etc.)
confidence interval	CI
correlation coefficient (multiple)	R
correlation coefficient (simple)	r
covariance	cov
degree (angular)	°
degrees of freedom	df
expected value	*E*
greater than	>
greater than or equal to	≥
harvest per unit effort	HPUE
less than	<
less than or equal to	≤
logarithm (natural)	ln
logarithm (base 10)	log
logarithm (specify base)	$\log_2$, etc.
minute (angular)	'
not significant	NS
null hypothesis	H_O
percent	%
probability	P
probability of a type I error (rejection of the null hypothesis when true)	α
probability of a type II error (acceptance of the null hypothesis when false)	β
second (angular)	"
standard deviation	SD
standard error	SE
variance	
population	Var
sample	var

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Joe Dinnocenzo,
Geoff Spalinger,

and

Iris O. Caldentey
Alaska Department of Fish and Game, Division of Commercial Fisheries, Kodiak

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

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Joe Dinnocenzo, Geoff Spalinger, and Iris O. Caldentey
Alaska Department of Fish and Game, Division of Commercial Fisheries,
211 Mission Road, Kodiak, AK 99615, USA

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ABSTRACT

This report provides an overview of the 2009 Kodiak Management Area (KMA) salmon resources, stock status and commercial, personal and subsistence salmon fisheries.

Sockeye salmon *Oncorhynchus nerka* escapements met or exceeded the established goals of Malina, Afognak, Uganik, Frazer, Saltery, late run Karluk, Ayakulik, and South Olga lakes, but were not met in the Buskin, early run Karluk, Little River, and Pasagshak drainages. The Kodiak Archipelago and Mainland District pink salmon *O. gorbuscha* escapement goals were met. The Kodiak Archipelago chum salmon *O. keta* escapement threshold was exceeded, but the Mainland District threshold was not. Chinook salmon *O. tshawytscha* escapement goals were not achieved in either the Karluk or Ayakulik rivers. Coho salmon *O. kisutch* escapement goals in the Buskin, Pasagshak, and American rivers were met or exceeded but the goal in the Olds River was not.

The 2009 KMA commercial salmon fishery began on June 9 with the last reported landing on September 23. A total of 291 permits were fished which included 158 purse seine permits, 1 beach seine permit, and 132 set gillnet permits. The total commercial salmon harvest in the KMA, not including commercially caught salmon retained but not sold, was 7,219 Chinook, 1,726,971 sockeye, 288,744 coho, 27,648,943 pink, and 955,808 chum salmon. Commercial harvests exceeded projections for sockeye, pink, and chum salmon, but not for Chinook and coho salmon. The exvessel value for salmon harvested by all gear types totaled approximately 35.5 million dollars.

Commercially harvested salmon that were reported as retained for personal use but not sold totaled 4,469 salmon in the KMA, including 49 Chinook, 805 sockeye, 2,726 coho, 883 pink and 6 chum salmon.

Harvest data from the 1,918 subsistence permits issued in 2009 have not yet been summarized.

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

INTRODUCTION

This report describes the Kodiak Management Area (KMA), its salmon resources, and the commercial salmon fisheries and harvest strategies that were in effect during the 2009 commercial salmon fishing season. Recent and historical commercial harvest and effort levels have been reviewed and a comparison of stock status to salmon escapement and current management goals is provided, as well as information on subsistence and commercial harvest retained for personal use.

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

General information concerning escapements, harvest, and economic value is contained in the body of this report and more detail is provided in a series of appendices. Appendices A1 through A8 contain maps of the KMA and its commercial fishing districts. Appendices B1 and B2 detail fishing opportunity and list management actions taken during the 2009 season. Appendices C through K provide detailed information on specific fisheries. Appendix L1 is a table detailing commercial salmon harvest by statistical week and management unit across the entire KMA. Appendix M1 depicts indexed peak salmon escapements by species and district. More detailed escapement data by stream are published in a separate escapement report (Caldentey *in prep*).

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

SALMON RESOURCES

SALMON PRODUCING STREAMS

Salmon migration or spawning has been documented in approximately 750 streams within the KMA (Johnson and Klein 2009). Of these, 415 streams have been documented to support yearly spawning populations of salmon (Table 1) while the remaining 335 are small streams used by pink salmon *Oncorhynchus gorbuscha* in years with very large returns. Chinook salmon *O. tshawytscha* occur in six streams, 49 streams support sockeye salmon *O. nerka* stocks of varying size, 200 streams have coho salmon *O. kisutch* stocks, approximately 179 streams have chum salmon *O. keta* stocks, and 408 streams support pink salmon stocks (Table 1). Of these streams, 97 are located in the Mainland District (on the Alaska Peninsula), while the remainder are located in the Kodiak Archipelago (in the Afognak, Northwest Kodiak, Southwest Kodiak, Alitak, Eastside Kodiak and Northeast Kodiak districts; Appendix A1).

SUPPLEMENTAL PRODUCTION

Two hatcheries located in the KMA currently produce salmon to supplement natural salmon production. The Kodiak Regional Aquaculture Association (KRAA) operates the Kitoi Bay and Pillar Creek hatcheries (Figure 2). The Kitoi Bay Hatchery, located on the east side of Afognak Island, produces primarily pink salmon; however, sockeye, chum, and coho salmon are also cultured there (Schrof and Aro 2009). Outstocking (placing juvenile salmon in sites other than the hatchery) of juvenile coho and sockeye salmon fry occurs, but the majority of the salmon return to the hatchery to be harvested in either the common property or cost recovery fisheries or be used as brood stock. Pillar Creek Hatchery is located north of the City of Kodiak, near Pillar Creek, which drains into Monashka Bay and is used primarily as an incubation facility for sockeye salmon outstocking projects. Chinook and coho salmon are also reared at the facility for outstocking (Finkle and Byrne 2009).

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

In 2009, sockeye salmon were stocked at Spiridon, Hidden, Crescent, Little Waterfall, and Big Waterfall lakes to produce harvest opportunities in terminal fisheries near the outlets of these systems. Sockeye salmon were also stocked in 2009 in Little Kitoi Lake for brood stock development. Coho salmon were outstocked into Crescent Lake near the community of Port Lions, Katmai Lake on Spruce Island near the community of Ouzinkie, and Jennifer and Ruth lakes on Afognak Island to provide subsistence and commercial harvest opportunities (Finkle and Byrne, 2009; Schrof and Aro, 2009).

The KRPT summarized their production goals in the Kodiak Regional Comprehensive Management Plan (KRPT 1992). The long-term goal of the plan is to increase the annual harvest

of salmon (over and above the KMA wild salmon harvest) by an additional 3,000 Chinook, 1,700,000 sockeye, 383,000 coho, 11,500,000 pink, and 1,100,000 chum salmon. The recent ten year (1999-2008) average supplemental production has included an undetermined number of Chinook salmon and an estimated 358,653 sockeye, 144,950 coho, 6,480,138 pink, and 202,857 chum salmon (Table 2). The KRPT is in the process of drafting a new plan which should be published sometime in 2010.

ESCAPEMENT GOALS AND MONITORING

ESCAPEMENT GOALS

In 2007, the ADF&G salmon management and research staff reviewed previously established escapement goals for the KMA for each salmon species and recommended that several be modified or eliminated (Honnold et al. 2007). The directors of the Division of Commercial Fisheries (CF) and the Division of Sport Fish (SF) accepted these recommended changes to the escapement goals. In 2009, the KMA commercial salmon fisheries were managed to achieve escapement levels that were within the established ranges or, in the case of chum salmon, that exceeded minimum thresholds for the Archipelago or the Mainland District. Established goals in the KMA include 2 for Chinook salmon, 13 for sockeye salmon and 2 each for pink and chum salmon.

In 2008, KRAA resumed the operation of Saltery Lake weir for the first time since it was discontinued after the 2003 season (Caldentey *In prep*). In response to the availability of improved weir escapement data, an escapement goal of 15,000 to 30,000 sockeye salmon, as counted at the weir, was adopted just prior to the 2008 season (Table 3). This was a change from the aerial survey-based escapement goal of 20,000 to 50,000 fish as recommended by ADF&G during the most recent escapement goal review in 2007 (Honnold et al. 2007). This change allowed for more accurate and timely measurement of escapement to this system but did not significantly change the harvest strategy for this stock.

A comparison of 2009 salmon peak escapements and escapement goals of index streams, by species, are outlined in Table 3.

ESCAPEMENT MONITORING

In 2009, weirs were operated on the major systems of Karluk Lake (at Karluk Lagoon), Red Lake (at the Ayakulik River outlet), Frazer Lake (at the Dog Salmon River outlet and at the Frazer Lake fish pass), and South Olga Lakes (at the outlet of South Olga Creek at Upper Station), and also on the smaller systems of Afognak Lake (at Litnik), Saltery Lake, Big Creek, and Buskin Lake (at Buskin River and also Lake Louise; Caldentey *in prep*; Table 4; Figure 2).

The majority of sockeye salmon and all Chinook salmon escapement counts were obtained with these weirs (Tables 3-5; Caldentey *in prep*). The availability of this data allowed for in-season stock-specific management. The remaining KMA sockeye salmon systems were monitored by aerial observation using small fixed-wing aircraft.

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

counts were considered an index of the actual escapement for use in season to aid fishery management.

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

STOCK STATUS

Chinook Salmon

There has been concern that Chinook salmon escapement in the Karluk and Ayakulik rivers has been inadequate in recent years. In an attempt to mitigate this, regulation 5 AAC 18.395 provides ADF&G emergency order (EO) authority to prohibit the 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 when weir counts indicate inadequate escapement.

Due to weak sockeye salmon runs to Karluk River in 2009, no fishery occurred in the Inner Karluk and Outer Karluk sections of the Southwest Kodiak District which reduced the interception of Karluk Chinook salmon. Despite this, the Karluk River Chinook salmon escapement of 1,308 fish (Caldentey *in prep*; Table 4) was below the escapement goal range of 3,600-7,300 (Honnold et al. 2007; Table 3 and was the fourth consecutive year this escapement goal was not met.

In 2009, there were 2,615 Chinook salmon counted through the Ayakulik River weir (Caldentey *in prep*; Table 4), which was below the escapement goal range of 4,800-9,600 (Honnold et al. 2007; Table 3) and below the 1999-2008 average escapement of 12,395 salmon (Caldentey 2009).

Dog Salmon Creek has an introduced run of Chinook salmon and a total of 127 were counted through the weir in 2009 (Caldentey 2010; Table 4). There is no escapement goal established for this system; the average escapement in the previous decade (1999-2008) was 349 fish (Caldentey 2009).

Sockeye Salmon

Sockeye salmon escapements for major and selected minor systems were enumerated through the use of fish counting weirs (Caldentey *in prep*; Table 4). Fish counted through weirs accounted for about 92% of all documented sockeye salmon escapements in 2009. A total of 1,030,125 sockeye salmon were counted through KMA weirs. Additional escapements of 88,319 sockeye salmon were estimated by aerial and foot surveys in other systems such as Malina Creek, Pasagshak Lake, Ocean Beach, Kaflia Lake, Uganik Lake, Little River Lake, Thorshiem Lake and Swikshak Lagoon (Caldentey 2010). Sockeye salmon escapements generally met escapement goals with the exception of the Little River, early-run Karluk, Pasagshak, and Buskin

stocks (Table 3). A detailed listing of escapement estimates of specific systems can be found in a separate escapement report (Caldentey *in prep*).

Coho Salmon

Estimating coho salmon escapements to KMA streams can be difficult because of survey conditions and cost. Coho salmon often do not migrate into streams to spawn until late fall when rains cause the water levels to rise, creating difficult survey conditions due to reduced stream water clarity. Late-season escapement surveys are also limited by budget constraints. Coho salmon escapement goals were reevaluated in 2007 (Honnold et al. 2007). Adequate information to enable the establishment of escapement goals is available for only four small streams in the Northeast Kodiak District. They include the American, Pasagshak, Buskin and Olds rivers (Table 3).

A few of the coho salmon streams have weirs that are removed before the runs are over due to high water conditions and budget constraints. Coho salmon counted into systems with weirs account for 81% of the documented coho salmon escapement. In the limited surveys conducted, coho salmon escapements appeared weak, with the 2009 aggregated KMA escapement estimate of 109,935 fish (Caldentey *in prep*; Table 5).

Pink Salmon

The majority of pink salmon streams were monitored by aerial surveys, with only about 7% of the KMA 2009 pink salmon escapement counted through salmon weirs. The 2009 pink salmon escapement of 4,707,894 fish in the Kodiak Island Archipelago was within the escapement goal range of 2,000,000 to 5,000,000 fish (Table 3; Honnold et al. 2007). The Mainland District pink salmon escapement of 430,100 fish was within the escapement goal range of 250,000 to 750,000 fish (Table 3; Honnold et al. 2007). District-wide peak escapements can be found in Appendix M1.

Chum Salmon

After the most recent review by ADF&G salmon management and research staff (Honnold et al. 2007) the KMA district-wide chum salmon escapement goals were aggregated and changed to a minimal threshold for the entire Kodiak Archipelago and a separate minimal threshold for the Mainland District. The majority of the 2009 chum salmon escapement was estimated from aerial surveys, with less than 1% counted through weirs. Estimating chum salmon escapements using aerial observations is more difficult than estimating escapements of other species of salmon. Chum salmon migrate into small sloughs and side creeks as well as into major river systems, and also may occupy more turbid systems, making observations difficult. Due to their remoteness, limited aerial surveys were conducted on several major KMA chum salmon systems along Kodiak Island's west side and in the Mainland District. Other species of salmon, usually in greater numbers, are often present in chum salmon systems and make counting the less numerous chum salmon difficult or impossible. Because of this, estimates based on aerial surveys are considered minimum estimates of actual escapement.

The 2009 chum salmon escapement in the Mainland District was 103,656 fish, not quite achieving the minimum goal of 104,000 fish (Table 3; Honnold et al. 2007). The chum salmon escapement for the Kodiak Archipelago of 212,139 fish exceeded the minimum goal of 151,000 fish (Table 3; Honnold et al. 2007).

COMMERCIAL SALMON FISHING

BACKGROUND

Commercial salmon harvest records for the KMA date back to 1882 (Roppel 1986; Table 6). 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 2009, there were 608 commercial salmon fishing permits available in the KMA, of which 291 were fished (CFEC 2009; Table 7). This was below the recent 10-year average (1999-2008) of 317 permits fished annually.

The KMA is one of 13 designated salmon net registration areas in the State of Alaska. In-season management of the KMA commercial salmon fishery is structured around seven districts that are subdivided into 56 sections (Appendices A1-A8). These sections are occasionally subdivided further inseason 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 or groups of sections or districts that are opened or closed together are referred to as management units. The Alaska Board of Fisheries (BOF) has also designated five Special Harvest Areas (SHAs; 5 AAC 40.085) and one Terminal Harvest Area (THA; 5 AAC 18.378) within the KMA to provide harvest opportunity of enhanced salmon runs (Wadle and Dinnocenzo 2009).

GEAR TYPES

In the KMA, there are restrictions on which gear types can operate in specific management units based on historical gear use patterns (5 AAC 18.330). The majority of the KMA is open to seine gear only. Both purse and beach seine gear are allowed to operate in the entire management area except for the Alitak Bay, Moser Bay, and Olga Bay sections of the Alitak District, where set gillnets are the only legal gear (5 AAC 18.330(d)(2)) except that after September 4 seine gear is allowed in these areas. These management units were designated set gillnet only prior to Alaska being granted statehood. In 1970, this regulation was amended such that the Moser Bay and Olga Bay sections remained set gillnet only through September 4; afterward, seine gear is legal in the entire Alitak District. The Dog Salmon Flats, Inner and Outer Akalura, and the Inner and Outer Upper Station sections (Appendix A2) are normally closed to commercial fishing. In the event escapement goals are exceeded, set gillnet-only "mop up" fisheries can occur in these sections.

Set gillnet and seine gear are allowed in the Central Section of the Northwest Kodiak District, making this the only section where all gear types may operate simultaneously (5 AAC 18.330(b), 2008). Since 1974, the geographical areas currently open to specific gear types have remained relatively unchanged.

BOARD OF FISHERIES APPROVED REGULATORY MANAGEMENT PLANS

To regulate Kodiak commercial salmon fisheries, department staff are guided by ten KMA salmon management plans that describe biological and allocative constraints and were adopted into regulation by the BOF (5 AAC 18.360-369). These plans were all in effect for the KMA in 2009 (Table 8). These plans reflect traditional fishing opportunities and the subsequent harvest allocations that have resulted between and within gear types participating in specific fisheries. These plans include Alitak District Salmon MP (Appendix D), Westside Kodiak Salmon MP

(Appendix E), Eastside Afognak MP (Appendix G), Eastside Kodiak Salmon MP (Appendix I), Mainland District Salmon MP (Appendix K) and North Afognak/Shuyak Island Salmon MP (Appendix J). The Cape Igvak Salmon (Appendix C) and the North Shelikof Strait Sockeye Salmon (Appendix F) management plans affect Kodiak purse seine permit holders' opportunity to target salmon migrating through the KMA to spawning systems in the Chignik and Cook Inlet management areas. The Crescent Lake Coho Salmon and Spiridon Bay Sockeye Salmon MPs (Appendix H) provide for full utilization of enhanced stocks while protecting local natural stocks.

RECENT REGULATION CHANGES

The BOF reviews the salmon fishery regulations every three years. The most recent review, in January of 2008, resulted in the following four notable changes:

1) A new regulation (5 AAC 18.331(j)) was adopted which allows a permit holder who owns two Kodiak set gillnets to operate them both.

2) Purse seine practice sets are now allowed to occur in designated areas beginning May 25 (previously June 1; 5 AAC 18.337(a)).

3) In the North Shelikof Strait Sockeye Salmon Management Plan, the shoreward zone of the Northwest Afognak Section was increased from waters inshore of a cape-to-cape line to a line connecting points one half mile west of these capes (5 AAC 18.363(3)(C)).

4) A new regulation (5 AAC 18.350(a)(8)) formalized the adoption of closed waters upstream of the stream terminus of streams designated on the Kodiak Area Salmon Statistical Chart (revised in 2005).

In addition, there were some minor changes made to boundary lines of management units and closed waters. Precise language describing the details is available in the published regulations (ADF&G 2008).

SALMON FORECASTS

ADF&G forecasts salmon runs to inform the industry and management staff of the likely magnitude of the salmon return. In addition, the length of the initial fishing periods for pink salmon are determined preseason based on the magnitude of the pink salmon forecast (Wadle and Dinnocenzo 2009). Chinook, coho, pink, and chum salmon harvests are projected by broad geographic area, while forecasts are made for major individual sockeye salmon stocks. Projected harvests are summarized by fishery and geographic area (Volk et al. 2009; Table 9).

The 2009 commercial Chinook salmon projected harvest was approximately 20,000 fish (Table 9). The sockeye salmon harvest was forecasted to be 1,502,492 fish (Table 9). This projection included formal forecasts for the major sockeye salmon systems of Karluk, Upper Station, Ayakulik, Dog Salmon (Frazer Lake), plus estimated harvests from minor sockeye salmon systems, supplemental production (from enhancement projects), the Cape Igvak Section, and other miscellaneous systems. The 2009 projected KMA harvest was 421,500 coho, 22,100,000 pink and 623,000 chum salmon. This projection included expected supplemental production of salmon from Kitoi Bay hatchery and the Spiridon Bay enhancement projects.

2009 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, there are "early-run" sockeye and Chinook salmon present throughout June to mid-July, and "late-run" sockeye salmon are present from mid-July through September. Pink and chum salmon are present from July through August. Coho salmon are generally present from August through October. Commercial salmon fisheries are structured around the seasonal abundance of specific salmon species.

The 2009 Kodiak Area Commercial Salmon Fishery Harvest Strategy, released in April 2009, outlined the approaching fishing season (Wadle and Dinnocenzo 2009). This document contained a synopsis of the expected chronology of the 2009 commercial salmon fisheries by species, expected escapements and harvests, an overview of pertinent regulations, and a summary of the MPs that guide management throughout the season.

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

Anticipated Commercial Fishery Openings

The 2009 harvest strategy listed June 9 as the initial opening date of the early-run sockeye salmon fishery (Figure 3; Wadle and Dinnocenzo 2009). The areas expected to be opened included the Central and North Cape sections of the Northwest Kodiak District and the Outer Karluk Section of the Southwest 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 Special harvest areas (SHAs) of Foul and Waterfall bays were also slated to open on June 9. The Inner Kitoi Bay, Outer Kitoi Bay, Duck Bay, and Izhut Bay sections were slated to open to continuous fishing on June 9. The Alitak District was scheduled to open on June 9 if the run strength of early-run sockeye salmon to the Frazer and Upper Station systems was as strong as expected. The initial opening would be for 33 hours with no extensions. If the Chignik Lake sockeye salmon early run was as strong as expected, and the timing was normal, the first fishing period in the Cape Igvak Section could occur as early as June 9.

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

Initial fishing periods in the Inner and Outer Ayakulik sections of the Southwest Kodiak District were solely dependent on sockeye salmon escapement into Ayakulik (Red) River. The preseason forecast, (Volk et al. 2009) projected a small harvestable surplus which could be utilized during short openings near the peak of the sockeye salmon run.

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

The initial fishing period targeting pink salmon was scheduled to begin July 6, and subsequent weekly fishing periods for July and August were projected (Wadle and Dinnocenzo 2009). Based on the forecasted pink salmon run strength, the initial general pink salmon opening and subsequent fishing periods following in July were set at 105 hours per week. Adjustments in fishing time in late July and August in most areas are predicated on the strength of local pink and chum salmon runs and in September on the strength of coho salmon runs.

2009 COMMERCIAL SALMON FISHERY SUMMARY

As anticipated, the 2009 Kodiak commercial salmon fishery began on June 9 with a 33-hour opening in the Central and North Cape sections of the Northwest Kodiak District and an indefinite period in terminal fisheries at Foul and Waterfall bays and in the Duck Bay, Izhut Bay, Inner Kitoi Bay and Outer Kitoi Bay sections. A 33-hour period in the Alitak District also occurred as anticipated on June 9. The Chignik sockeye salmon run was initially weaker than expected and no fishing periods were allowed in the Cape Igvak Section in June. The two 33-hour openings scheduled for June 14 and 21 in the Eastside Kodiak District and the Outer Kukak and Big River sections of the Mainland District occurred as scheduled. The first opening in the Anton Larsen, Sharatin Bay, Terror Bay, Inner Uganik Bay, Spiridon Bay, and Uyak Bay sections of the Northwest Kodiak District also occurred as anticipated on June 14, but the second opening occurred only in the Inner Uganik Section when it became apparent that local chum salmon runs were running a bit later or weaker than normal. The pink salmon fishery started as scheduled with 105-hour weekly fishing periods on July 6. The Cape Igvak fishery was finally allowed to open on July 9 during the late sockeye salmon run at Chignik which was stronger than forecast. A 57-hour fishing period in the Outer Ayakulik Section was allowed to harvest Ayakulik River sockeye salmon starting July 20.

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

In 2009, the KMA commercial salmon harvest occurred over a 107 day period, with the last reported landing occurring on September 23 (Figure 3). A total of 12 shore-based plants processed salmon from the 2009 KMA fishery (Table 10).

PERMIT HOLDER PARTICIPATION

A total of 291 KMA commercial salmon fishing permit holders reported harvests in 2009. This was 14 more than during the 2008 season but below the recent 10-year (1999-2008) average of 317 permits (Table 7). Purse seine participation during the 2009 season (158 permits) increased from the 2008 season (129 permits) but was still slightly below the previous 10-year average of 160 permits. Only one beach seine permit holder was active during the 2009 season. Set gillnet participation in the 2009 KMA commercial salmon fishing season decreased (132 permits) from the 2008 season (148 permits). Set gillnet participation was below the recent 10-year average of 156 permits (Table 7).

HARVEST

A total of 30,627,685 salmon were harvested in the 2009 KMA commercial fisheries, which was above the recent 10-year (1999-2008) average of 23,280,825 salmon (Table 6).

Seine gear (purse and beach seiners combined) caught 92.6% (28,351,071) of the total number of salmon harvested (Table 11), which included 6,904 Chinook, 990,381 sockeye, 255,723 coho, 26,337,794 pink, and 760,269 chum salmon. Set gillnet fishermen caught 7.4% (2,276,614) of the salmon harvested (Table 11), which included 315 Chinook, 736,590 sockeye, 33,021 coho 1,311,149 pink, and 195,539 chum salmon.

CHINOOK SALMON

The Chinook salmon harvest of 7,219 fish was less than the 1999-2008 average of 19,020 fish (Table 6) and below the projected harvest of 20,000 fish (Table 9). The average weight of Chinook salmon was 9.17 pounds (Table 11). The majority of the Chinook salmon harvest was taken by seine fishermen during June and early July in the Eastside Kodiak and Mainland districts.

SOCKEYE SALMON

The sockeye salmon harvest of 1,726,971 fish (Table 6) was above the forecast of 1,502,492 fish (Table 9) but below the 1999-2008 average catch of 2,870,899 fish (Table 6). The average weight of sockeye salmon was 5.70 pounds (Table 11). Approximately 25% of the sockeye salmon harvest (426,057 fish) came from the Westside Kodiak fishery[1]. The combined Kitoi Bay Hatchery early and late runs produced a harvest of 82,294 fish and an estimated harvest of 155,025 sockeye salmon bound for Spiridon Lake (Table 9).

COHO SALMON

The coho salmon harvest of 288,744 fish (Table 6) was below forecast of 421,500 fish (Table 9) and also below the 1999-2008 average of 396,975 fish (Table 6). The average weight of coho salmon was 6.62 pounds (Table 11). Westside fisheries caught approximately 43,276 coho salmon, below the forecast of 168,000 fish (Table 9). The Eastside/North end Kodiak coho

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

salmon harvest[2] of 57,401 fish was above the forecast of 50,800 fish (Table 9). The Afognak non-hatchery harvest included 18,736 coho salmon, below the forecast of 29,500 fish (Table 9). The coho salmon harvest attributed to the Kitoi Bay Hatchery was 151,881 fish which was above the hatchery forecast of 148,000 fish (Table 9). Of the total hatchery harvest, 18% (27,076 fish) was harvested for cost recovery.

PINK SALMON

The pink salmon harvest of 27,648,943 fish (Table 6) was above the forecasted harvest of 22,100,000 fish (Table 9) and above the most recent five odd-year (1999-2007) average of 20,095,924 fish (Table 6). The average weight of 3.31 pounds of pink salmon (Table 11) harvested was smaller than the 2007 average pink salmon weight of 3.70 pounds. The non-hatchery pink salmon harvest of 18,709,749 fish was above the harvest projection of 12,100,000 fish, with the Eastside/Northend Kodiak fishery accounting for more than 41% of the harvest or 7,652,445 fish, well above the forecast of 4,700,000 fish (Table 9). Fisheries associated with the Kitoi Bay Hatchery accounted for 8,939,194 pink salmon, slightly below the forecast of 10,000,000 fish (Table 9). The Kitoi Bay Hatchery cost recovery accounted for 25% or 2,245,173 of those fish. Additional hatchery-bound pink salmon were likely harvested along the west side and east side of Kodiak and Afognak islands. However, the department does not have a stock separation program for pink salmon and is unable to differentiate stocks.

CHUM SALMON

The chum salmon harvest of 955,808 fish (Table 6) was above the forecast of 623,000 fish (Table 9) and slightly above the 1999-2008 average of 928,203 fish (Table 6). The average weight of the chum salmon harvested in 2009 was 7.72 pounds (Table 11). Westside fisheries harvested 262,614 chum salmon, which was above the forecast of 197,819 fish (Table 9); Eastside/North end Kodiak fishery harvest totaled 355,205 chum salmon, well above the forecast of 149,703 fish; Mainland District catches totaled 121,807 chum salmon, close to the forecast of 104,387 fish (Table 9). The chum salmon harvest attributed to the Kitoi Bay Hatchery of 93,299 fish was less than the forecast of 118,000 fish (Table 9).

EXVESSEL VALUE

The estimated total exvessel value of the 2009 fishery was $35,488,933 (Table 11), which was above the 1999-2008 average value of $23,281,710 (Table 12). This exvessel value was based on inseason price estimates and does not reflect additional payments made to fishermen for dock deliveries, refrigerated or iced fish, or post-season adjustments. The average price per pound, by gear and species, can be found in Table 11.

Purse seine permit holders' gross earnings averaged $184,793 (1999-2008 average $113,744; Table 12). Gillnet permit holders' gross earnings averaged $47,593 (1999-2008 average $37,542; Table 12).

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

COST RECOVERY

Kodiak Regional Aquaculture Association conducted a cost recovery program in the 2009 KMA commercial salmon fishery (Schrof and Aro 2009). In the past, KRAA implemented cost recovery programs from 1987 through 1989 and 2003 through 2008. The purpose was to raise funds to defray operational costs at the Kitoi Bay Hatchery. In 2009, a cost recovery harvest occurred July 28 through September 23, and took place within the Inner Kitoi Bay Section and included 15,195 sockeye, 27,076 coho, 2,245,173 pink, and 1,779 chum salmon.

NON-COMMERCIAL SALMON HARVESTS

SUBSISTENCE SALMON FISHERY

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

From 2002 through 2007, varying curtailment measures of the subsistence fishery were necessary to conserve Afognak Lake sockeye salmon for escapement. In 2008, the Afognak Lake sockeye salmon run was strong enough to allow subsistence harvest without increasing closed waters or shortening fishing time although no commercial fishery was allowed. In 2009, the run was strong enough to again allow an uncurtailed subsistence fishery.

The 2009 Chinook salmon runs to both the Ayakulik and Karluk rivers were weak, necessitating emergency orders closing subsistence fishing on those streams. On June 15, subsistence fishing for Chinook salmon in the Karluk River was closed to conserve fish needed for escapement. On July 4, subsistence fishing for Chinook salmon only was closed in the Ayakulik River to conserve fish in that drainage needed for escapement.

The 2009 Buskin Lake sockeye salmon run was weak, necessitating an emergency order closing subsistence fishing near the mouth of this stream. On June 15, subsistence fishing was closed in this locality until July 16, to conserve sockeye salmon necessary to meet escapement needs

The 2009 subsistence harvest data were not summarized at the time this report was written. However, 1,745 of the 2008 returned subsistence permits reported a harvest of 27,947 salmon including: including 159 Chinook, 21,852 sockeye, 4,570 coho, 1,180 pink, and 186 chum salmon (Table 13). Historically, the most utilized subsistence fishery areas are the north end of Kodiak Island, the Buskin and Pasagshak rivers, and the southeast side of Afognak Island at Litnik. Reported subsistence salmon harvests averaged 36,795 fish annually for the 10-year period 1999-2008 (Table 13). Sockeye salmon have accounted for 78% of the recent 10-year average harvest (28,678 fish), followed by coho salmon at 16% (5,904 fish), pink salmon at 4% (1,488 fish), and both chum salmon (367 fish), and Chinook salmon (358 fish) at about 1%.

RETENTION OF SALMON TAKEN IN COMMERCIAL FISHERIES

In 1994, the BOF readopted regulation 5 AAC 39.010, which allowed commercial fishermen to retain legally harvested salmon for their own use. In the KMA commercial fishermen are required to report the number of salmon taken but not sold on an ADF&G fish ticket at the time of landing (5 AAC 18.355(b), 2008). In 1997, 10 permit holders reported 784 salmon retained for their own use (Table 14). This use increased dramatically in 2003, when 36 permit holders retained 24,985 salmon (Table 14). Many salmon were "custom processed" at local processors, normally as vacuum-packed, frozen fillets. It was reported that these salmon were destined for sale as part of direct marketing efforts.

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

In 2009, 23 permit holders reported retaining 4,469 salmon from their commercial harvest for "home pack" or personal use. This included 49 Chinook, 805 sockeye, 2,726 coho, 883 pink and 6 chum salmon (Table 14).

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TABLES AND FIGURES

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

Management District	Number of Streams[a]	Number of Streams with each Species[b]				
		Chinook	Sockeye	Coho	Pink	Chum
Afognak	92	0	21	83	92	9
Northwest Kodiak	67	0	4	30	67	22
Southwest Kodiak	11	2	3	5	11	6
Alitak	30	1	7	9	30	15
Eastside Kodiak	91	0	8	33	91	54
Northeast Kodiak	27	3	1	27	20	12
Mainland	97	0	5	13	97	61
Total	415	6	49	200	408	179

[a] The State of Alaska's Habitat Division identifies over 750 streams in the Kodiak Management Area that have documented use by anadromous fish (Johnson and Klein 2009). Many of these streams are very small and may only be used by pink salmon in years with very large returns.

[b] These estimates are based on current knowledge and are expected to change as more system specific data are collected.

Table 2.–Estimated commercial harvest of salmon from Kodiak Regional Aquaculture Association projects in the Kodiak Management Area, 1994-2009.

Year	Number of Salmon				
	Sockeye	Coho	Pink	Chum	Total
1994	277,884	46,984	2,051,375	10,799	2,387,042
1995	186,371	42,235	4,519,885	215,351	4,963,842
1996	487,900	57,200	979,143	14,189	1,538,432
1997	248,336	110,334	1,213,615	11,029	1,583,314
1998	315,109	148,333	6,272,029	38,118	6,773,589
1999	582,218	116,513	4,057,093	140,896	4,896,720
2000	287,387	133,238	3,659,698	303,783	4,384,106
2001	244,761	151,732	13,126,761	216,266	13,739,520
2002	565,422	209,259	6,696,774	88,724	7,560,179
2003	796,359	144,389	5,533,522	466,205	6,940,475
2004	266,150	128,291	3,962,421	239,610	4,596,472
2005	206,860	151,729	13,603,742	91,814	14,054,145
2006	113,869	168,205	4,158,109	177,548	4,617,731
2007	207,309	125,781	7,884,867	210,699	8,428,656
2008	316,197	120,366	2,118,392	93,025	2,647,980
2009	248,339	154,473	9,080,346	94,905	9,578,063
Average					
1999-2008	358,653	144,950	6,480,138	202,857	7,186,598

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 -32 and 252-35)). SHA harvests are from the returns to the Spiridon Lake project (in the Spiridon SHA, 254-50, and adjacent sections), the Foul Bay SHA (251-41), the Waterfall Bay SHA (251-84), and the Settlers Cove SHA (259-35). Includes fish not sold and set aside for personal use by commercial fishermen.

Table 3.–Comparison of 2009 salmon peak escapements and escapement goals of index streams or districts, by species, in the Kodiak Management Area.

Species System (or group of systems)	Stream Number	Escapement Goal Lower	Escapement Goal Upper	Escapement Estimate[a]
Chinook				
Karluk[b]	255-101	3,600	7,300	1,308
Ayakulik[b]	256-201	4,800	9,600	2,615
	Total	8,400	16,900	3,923
Sockeye				
Malina	251-105	1,000	10,000	1,400
Afognak	252-342	20,000	50,000	31,358
Little River	253-115	3,000		1,500
Uganik	253-122	24,000		53,700
Karluk	255-101			
Early run		110,000	250,000	52,466
Late run		170,000	380,000	277,611
Ayakulik	256-201	200,000	500,000	315,184
Upper Station	257-304			
Early run		30,000	65,000	34,585
Late run		120,000	265,000	161,736
Frazer	257-403	75,000	170,000	101,845
Buskin	259-211	8,000	13,000	7,757
Pasagshak	259-411	3,000	12,000	1,400
Saltery[b]	259-415	15,000	30,000	46,591
	Total	779,000	1,772,000	1,087,133
Coho				
Buskin	259-211	3,200	7,200	10,624
American	259-231	400	900	639
Olds (Sid Olds)	259-242	1,000	2,200	697
Pasagshak	259-411	1,200	3,300	2,385
	Total	5,800	13,600	14,345
Pink				
Mainland District		250,000	750,000	430,100
Kodiak Archipelago		2,000,000	5,000,000	4,707,894
	Total	2,250,000	5,750,000	5,137,994
Chum				
Mainland District		104,000		103,656
Kodiak Archipelago		151,000		212,139
	Total	255,000		315,795

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

[b] Escapement estimate based on weir counts but does not account for sport fish harvest above the weir.

Table 4.–Fish weir installation and removal dates and salmon escapements for systems with weirs in the Kodiak Management Area, 2009.

	Dates		Number of salmon[a]				
Weir Locations	Installed	Removed	Chinook	Sockeye	Coho	Pink	Chum
Karluk River	5/23	9/29	1,308	330,077	32,836	159,097	254
Ayakulik River	5/22	9/13	2,615	315,184	36,563	27,923	78
Dog Salmon Creek	5/26	8/15	127	147,798	46	26,705	1,212
Frazer Lake fish pass[b]	6/8	8/20	42	101,845	0	2	0
Upper Station River (Olga River)	5/22	9/15	0	196,321	7,781	13,348	0
Litnik (Afognak River)	5/19	8/7	0	31,358	13	895	6
Buskin River	5/22	9/30	2	7,757	10,624	89,844	149
Lake Louise	5/30	9/1	0	992	9	437	1
Saltery River	6/23	8/11	1	46,591	24	21,285	9
Big Bay Creek	8/10	9/4	0	0	865	4,797	0
Totals			4,053	1,030,125	88,761	344,331	1,709

[a] Counts include post weir estimates after weirs were removed.

[b] Salmon counted at the Frazer Lake fish pass were initially counted at the Dog Salmon weir and all species except sockeye salmon are not included in totals. Since sockeye salmon that pass Dog Salmon weir but fail to get counted at Frazer fish pass may not spawn, the fish pass count is considered the best escapement estimate of sockeye salmon and the Dog Salmon sockeye salmon count is omitted from the totals.

Table 5.–Indexed salmon escapements, by species, in the Kodiak Management Area, 1979-2009.

	Number of Salmon					
Year	Chinook	Sockeye	Coho	Pink	Chum	Total
1979	14,445	1,410,800	93,940	3,067,647	607,430	5,194,262
1980	5,853	1,831,748	27,290	6,492,822	830,070	9,187,783
1981	15,657	1,391,593	58,729	3,188,869	741,981	5,396,829
1982	10,773	1,603,692	86,402	5,370,049	1,023,923	8,094,839
1983	27,445	1,304,233	101,950	2,090,104	824,754	4,348,486
1984	14,411	1,467,730	123,779	4,520,344	682,936	6,809,200
1985	13,877	2,554,067	191,406	3,204,316	723,390	6,687,056
1986	11,046	2,001,279	170,000	4,068,615	655,817	6,906,757
1987	23,744	1,551,543	153,000	2,978,510	641,579	5,348,376
1988	35,152	1,661,532	96,140	3,236,931	558,531	5,588,286
1989 [a]	26,131	3,022,886	166,622	14,642,587	1,432,609	19,290,835
1990	25,972	2,006,241	151,420	6,024,900	474,620	8,683,153
1991	27,306	2,515,659	259,850	4,317,610	934,336	8,054,761
1992	19,013	1,968,058	289,592	3,515,624	530,128	6,322,415
1993	22,113	1,705,440	159,996	4,291,581	234,381	6,413,511
1994	21,591	2,041,511	206,418	3,994,020	545,391	6,808,931
1995	30,843	1,840,112	231,175	10,498,232	469,856	13,070,218
1996	21,089	1,813,256	189,618	3,351,011	394,784	5,769,758
1997	28,534	1,787,611	225,938	3,217,075	454,980	5,714,138
1998	24,654	1,775,759	234,734	7,088,975	374,456	9,498,578
1999	26,872	2,119,169	133,398	4,081,686	882,257	7,243,382
2000	31,400	1,599,000	124,200	4,501,800	908,900	7,165,300
2001	18,753	1,580,660	244,360	3,393,620	557,925	5,795,318
2002	20,115	1,621,090	168,271	8,396,402	530,591	10,736,469
2003	25,538	2,220,092	122,824	5,096,962	380,523	7,845,939
2004	32,939	1,836,091	71,456	8,786,518	533,091	11,260,095
2005	13,488	1,529,881	107,764	3,914,608	244,255	5,809,996
2006	7,473	984,658	64,864	5,864,572	787,549	7,709,116
2007	8,441	1,280,535	49,273	2,523,978	294,342	4,156,569
2008	3,916	931,517	66,200	3,161,208	223,907	4,386,748
2009	4,053	1,118,444	109,935	5,137,994	315,795	6,686,221
Average - Previous 10 Years:						
1999-2008	18,894	1,570,269	115,261	4,972,135	534,334	7,210,893
Odd Years Only				3,802,171		
Even Years Only				6,142,100		
Average - Previous Decades:						
1990-1999	24,799	1,957,282	208,214	5,038,071	529,519	7,757,885
1980-1989	18,409	1,839,030	117,532	4,979,315	811,559	7,765,845
Average - Overall:						
1979-2009	19,762	1,744,383	144,534	4,968,360	606,293	7,483,333

Note: Data include peak counts from aerial and foot surveys, plus end of season totals from weired systems.

[a] Commercial fisheries were severely restricted in 1989 due to the M/V Exxon Valdez oil spill. Despite this, 1989 data is included in applicable averages.

Table 6.–Commercial salmon harvest by species in the Kodiak Management Area, 1882-2009.

Year	Number of Salmon[a]					
	Chinook	Sockeye	Coho	Pink	Chum	Total
1882	-	58,800	-	-	-	58,800
1883	-	188,706	-	-	-	188,706
1884	-	282,184	-	-	-	282,184
1885	-	468,580	-	-	-	468,580
1886	-	646,100	-	-	-	646,100
1887	-	1,004,500	-	-	-	1,004,500
1888	-	2,781,100	-	-	-	2,781,100
1889	-	3,754,735	-	-	-	3,754,735
1890	-	3,592,707	-	-	-	3,592,707
1891	-	3,846,388	-	-	-	3,846,388
1892	-	3,126,459	-	-	-	3,126,459
1893	-	3,244,609	-	-	-	3,244,609
1894	-	3,830,336	-	-	-	3,830,336
1895	-	2,246,966	8,321	-	-	2,255,287
1896	-	3,328,846	-	-	-	3,328,846
1897	-	2,785,515	1,500	-	-	2,787,015
1898	-	2,033,094	19,175	-	-	2,052,269
1899	1,104	1,934,771	32,475	-	-	1,968,350
1900	4,838	3,450,480	32,239	-	-	3,487,557
1901	3,838	4,826,159		2,015	-	4,832,012
1902	2,932	3,868,101	34,972	-	-	3,906,005
1903	1,187	1,826,163	119,541	10,000	-	1,956,891
1904	3,190	2,875,118	103,136	5,180	-	2,986,624
1905	2,496	2,142,367	86,913	-	-	2,231,776
1906	3,640	3,980,462	23,738	-	-	4,007,840
1907	4,015	4,232,454	38,059	-	-	4,274,528
1908	3,028	2,487,848	73,789	286,374	-	2,851,039
1909	3,907	1,915,230	51,500	153,595	-	2,124,232
1910	1,598	1,954,717	44,291	215382	-	2,215,988
1911	689	2,685,949	21870	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	2673675	212,492	4,674,095
1926	596	3,015,366	174,475	4,606,694	324,706	8,121,837
1927	4,358	1,155,202	151,548	5,297,305	417,956	7,026,369
1928	2,546	1,592,003	290,645	1,535,313	726,480	4,146,987
1929	3,200	712,126	144,226	6,108,402	1,057,662	8,025,616
1930	4,991	466,409	228,800	1,651,398	419,011	2,770,609

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Table 6.–Page 2 of 3.

Year	Number of Salmon[a]					
	Chinook	Sockeye	Coho	Pink	Chum	Total
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	54308	6737817	1,300,386	8,456,274
1961	864	407,979	28,579	3,926,023	518,935	4,882,380
1962	1,095	784,664	54,583	14,113,851	794,727	15,748,920
1963	286	407,040	57,011	5,480,158	305,061	6,249,556
1964	1,306	498,488	35,535	12,044,341	1,134,163	13,713,833
1965	786	346,237	26,672	2,886,831	431,340	3,691,866
1966	599	631,646	67,700	10,755,582	762,766	12,218,293
1967	1,753	308,756	10,354	187,813	226,681	735,357
1968	1,936	760,393	56,629	8,768,122	750,428	10,337,508
1969	2,469	591,481	48,759	12,500,823	534,933	13,678,465
1970	1,089	917,045	66,421	12,035,549	919,102	13,939,206
1971	920	478,479	22,844	4,334,492	1,541,444	6,378,179
1972	1,300	222,408	16,587	2,478,064	1,163,426	3,881,785
1973	800	167,341	3,573	511,708	317,921	1,001,343
1974	545	418,761	13,631	2,647,196	249,294	3,329,427
1975	101	136,418	23,659	2942801	84,431	3,187,410
1976	766	641,484	23,714	11,077,992	740,495	12,484,451
1977	585	623,468	27,920	6,252,405	1,072,313	7,976,691
1978	3,228	1,071,782	48,795	15,004,065	814,345	16,942,215
1979	1,907	630,756	140,629	11,285,809	358,336	12,417,437
1980	529	651,394	139,154	17,290,615	1,075,557	19,157,249

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Table 6.–Page 3 of 3.

Year	Number of Salmon[a]					
	Chinook	Sockeye	Coho	Pink	Chum	Total
1981	1,418	1,288,949	121,544	10,336,747	1,345,313	13,093,971
1982	1,214	1,203,787	344,823	8,089,780	1,262,587	10,902,191
1983	3,839	1,231,989	157,612	4,603,371	1,085,165	7,081,976
1984	4,657	1,950,439	229,524	10,844,293	649,092	13,678,005
1985	4,970	1,842,731	284,166	7,334,825	430,757	9,897,449
1986	4,381	3,188,046	168,690	11,807,727	1,134,372	16,303,216
1987	4,613	1,794,224	192,433	4,920,365	680,994	7,592,629
1988	22,374	2,698,349	303,267	14,262,355	1,426,400	18,712,745
1989[b]	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	1,583,816	553,524	31,693,347	1,081,989	34,932,959
2007	17,222	2,012,564	356,063	24,809,213	728,912	27,923,974
2008	17,176	1,819,116	300,779	8,788,476	908,030	11,833,577
2009	7,219	1,726,971	288,744	27,648,943	955,808	30,627,685
Averages[b]						
1999-2008	19,020	2,870,899	396,975	19,065,728	928,203	23,280,825
Even Years, 2000-2008				18,035,531		
Odd Years, 1999-2007				20,095,924		
1882-2008	5,255	1,825,667	134,259	7,577,303	548,960	10,090,212
1949-2008	8,090	1,656,537	169,890	10,661,537	811,508	13,307,563
Even Years, 1950-2008				11,214,281		
Odd Years, 1949-2007				12,488,434		

Source: 1882-1947 data are from processors case pack information. 1948-2009 data are from ADF&G fish ticket summaries and are considered more accurate than previous data.

[a] Harvest numbers do not include subsistence or test fishery catches or commercially caught fish retained for personal use.

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

Table 7.–Summary of limited entry permit activity in the commercial salmon fishery, by gear type, in the Kodiak Management Area, 1975-2009.

	Purse Seine		Beach Seine		Set Gillnet		Total		
Year	Available	Fished	Available	Fished	Available	Fished	Available	Fished	Percent
1975	468	280	26	8	229	116	723	404	56
1976	394	325	23	17	187	140	604	482	80
1977	378	336	32	24	186	147	596	507	85
1978	389	372	34	29	188	160	611	561	92
1979	387	362	34	28	186	164	607	554	91
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	297	35	18	188	173	609	488	80
1988	387	323	35	21	188	179	610	523	86
1989[a]	387	7	35	0	189	86	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	384	223	36	2	188	173	608	398	65
2001	385	182	36	0	184	172	605	354	59
2002	384	149	36	0	188	93	608	242	40
2003	384	145	36	0	188	160	608	305	50
2004	384	141	36	0	188	164	608	305	50
2005	384	136	36	0	188	165	608	301	50
2006	384	131	36	1	188	153	608	285	47
2007	384	144	36	3	188	157	608	304	50
2008	384	129	36	0	188	148	608	277	46
2009	384	158	36	1	188	132	608	291	48
Average - Previous 10 Years:									
1999-2008	384	160	36	1	188	156	608	317	52
Average - Previous Decades:									
1990-1999	386	292	36	9	189	176	611	476	75
1980-1988[a]	385	317	35	24	188	172	608	513	85
1975-1979	403	335	30	21	195	145	628	502	81
Average[a] - Overall:									
1975-2008	388	267	35	13	189	164	612	444	73

Source: Commercial Fisheries Entry Commission Summary Information and Reports (CFEC 2009) and ADF&G fish ticket summaries.

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

Table 8.–Alaska Board of Fisheries approved salmon management plans for the Kodiak Management Area, 2009.

Management Plan	Year Initiated	Management Units Affected	Dates in Effect
Cape Igvak Salmon	1978	Cape Igvak Section Wide Bay Section	6/5 - 7/25
Alitak District Salmon	1987	Alitak District	6/1 - 10/31
Westside Kodiak Salmon	1990	NW Kodiak District SW Kodiak District SW Afognak Section	6/1 - 10/31
North Shelikof Strait Sockeye Salmon	1991	SW Afognak Section NW Afognak Section Shuyak Island Section Big River Section Hallo Bay Section Inner and Outer Kukak Bay Sections Dakavak Bay Section	7/6 - 7/25
Crescent Lake Coho Salmon	1990	Special Harvest Area in the Central Section near Port Lions	7/15 - 10/31
Spiridon Bay Sockeye Salmon	1993	Special Harvest Area in Spiridon Bay Section	6/9 - 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 2009 commercial salmon harvest, by species and fishery, for the Kodiak Management Area.

	Chinook	Sockeye	Coho	Pink	Chum	Total
Projected Harvest 2009 [a]	20,000	1,502,492	421,500	22,100,000	623,000	24,666,992
Actual Harvest 2009	7,219	1,726,971	288,744	27,648,943	955,808	30,627,685

	2009 Harvest	
FISHERY	Projection [b]	Actual [c]
Early Sockeye Salmon Fisheries (6/1-7/15)		
Kitoi Bay Hatchery [d]	29,040	37,233
Cape Igvak [e]	82,667	0
Westside [f]	154,000	194,848
Ayakulik [g]	19,360	0
Alitak District [h]	332,000	351,811
Minor Systems [i]	30,000	44,129
Minor Enhancement [j]	50,200	8,742
Spiridon [k]	89,670	85,592
Other	80,000	86,281
Subtotal	866,937	808,636
Late Sockeye Salmon Fisheries (7/16-10/31)		
Kitoi Bay Hatchery [d]	36,960	45,061
Cape Igvak [e]	35,625	141,076
Westside [f]	202,000	231,249
Ayakulik [g]	24,640	77,762
Alitak District [h]	142,000	279,501
Minor Systems [i]	11,000	20,256
Spiridon [k]	93,330	69,433
Other	90,000	53,997
Subtotal	635,555	918,335
TOTAL SOCKEYE	1,502,492	1,726,971
Coho Salmon Fisheries		
Kitoi Bay Hatchery [d]	148,000	151,881
Afognak (non-hatchery) [l]	29,500	18,736
Westside Kodiak [m]	168,000	43,276
Alitak District	7,000	7,883
Eastside/Northend Kodiak [n]	50,800	57,401
Mainland District	18,200	9,567
Subtotal	421,500	288,744

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Table 9.–Page 2 of 3.

FISHERY	2009 Harvest Projection [b]	2009 Harvest Actual [c]
Pink Salmon Fisheries		
Kitoi Bay Hatchery [d]	10,000,000	8,939,194
Afognak (non-hatchery) [l]	600,000	2,820,154
Westside Kodiak [m]	4,100,000	3,609,186
Alitak District	1,200,000	3,996,164
Eastside/Northend Kodiak [n]	4,700,000	7,652,445
Mainland District	1,500,000	631,800
Subtotal/Wild stock pinks	12,100,000	18,709,749
Subtotal/all pinks	22,100,000	27,648,943
Chum Salmon Fisheries		
Kitoi Bay Hatchery [d]	118,000	93,299
Afognak (non-hatchery) [l]	20,328	50,386
Westside Kodiak [m]	197,819	262,614
Alitak District	32,763	72,497
Eastside/Northend Kodiak [n]	149,703	355,205
Mainland District	104,387	121,807
Subtotal	623,000	955,808
Grand Total [o]	24,666,992	30,627,685

[a] In number of salmon (rounded to nearest hundred). Does not include subsistence, sport, personal use, harvests.

[b] Projected harvests for enhanced and major sockeye systems are based on formal forecasts for those individual stocks (total run minus escapement) and the projected harvest from minor sockeye systems and other salmon species are based on less formal escapement to return relationships.

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

[d] From the Duck Bay, Izhut Bay, and Inner and Outer Kitoi Bay sections only. Additional salmon, likely bound for Kitoi Bay Hatchery, are harvested in parts of the Southeast Afognak and Northeast Afognak sections (252-33, 252-10 and 252-20).

[e] From the Cape Igvak Section. Early run is from the beginning of the season through June 26. Late run is from July 8 through 25.

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

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

[h] From the Alitak District. Frazer and Upper Station harvest estimates are based on initial run and fishery timing and stock separation.

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[i] From minor systems at Inner and Outer Ugak Bay (Saltery), Buskin River, Perenosa Bay (Portage), Northwest Afognak (Thorsheim & Long Lagoon), Big River (Swishak), and Outer Kukak Bay (Kaflia & Kuliuk) sections.

[j] From the Foul Bay, Waterfall Bay, and Settler Cove Special Harvest Areas. Enhancement project sockeye salmon production is expected from is expected from the Malina and Laura Lakes (Pauls Bay) systems, but is mixed with wild stock production from these minor systems.

[k] From the Spiridon Bay Special Harvest Area (Telrod Cove) plus an estimate of the Spiridon-bound sockeye contributing to the the Westside Kodiak fishery.

[l] From the Afognak District except the Duck, Izhut, and Inner and Outer Kitoi Bay sections.

[m] From the Southwest Kodiak District (all 255s and 256s) and the Northwest Kodiak District (all 253s and 254s) except for the North Cape, Anton Larson, Sharatin, and Kizhuyak sections and part of the Central Section (259-35 to 259-39).

[n] 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 Larson, Sharatin and Kizhuyak sections, plus part of the Central Section (259-35 to 259-39)

[o] Includes the projected 2009 harvest of 20,000 Chinook salmon, the actual harvest of 7,219 Chinook salmon.

Table 10.–Commercial salmon buyers and processing plants active in the Kodiak Management Area, by geographic area and type, 2009.

Buyers/Processors	Shore-based Processors			Floating Processors		
	Kodiak City	Kodiak Borough	Other Areas	Kodiak City	Kodiak Borough	Other Areas
Icicle Seafoods		X				
Alaska Pacific Seafoods	X					
International Seafoods of Alaska	X					
Western Alaska Seafoods	X					
Ocean Beauty Seafoods Kodiak	X					
Global Seafoods	X					
Ocean Beauty Seafoods Alitak		X				
Alaska Fresh Seafoods	X					
O'Brien Seafoods		X				
Kodiak Island Smokehouse	X					
Island Seafoods	X					
Wildsource Inc.	X					
Alchemist Inc. F/V Alchemist				X		
William Pierszalowski F/V Shawnee				X		
Mark Gladu F/V Salmon Bay				X		
Al Cratty F/V Ashlee Christine C		X				
Totals	9	4	0	3	1	0

Table 11.–Commercial salmon harvest and value, by gear and species, in the Kodiak Management Area, 2009.

	Number of Salmon						
	Chinook	Sockeye	Coho	Pink	Chum	Total	%
Purse/Beach Seine							
Total # [a]	6,904	990,381	255,723	26,337,794	760,269	28,351,071	92.6
Avg. Wt.	9.03	5.77	6.56	3.29	7.8		
Total Lbs. [a]	62,333	5,712,836	1,676,275	86,523,064	5,927,656	99,902,164	90.2
Avg. $/Lb. [b]	$ 0.77	$ 1.09	$ 0.50	$ 0.23	$ 0.37		
Exvessel $	$47,996.41	$6,226,991.24	$838,137.50	$19,900,304.72	$2,193,232.72	$29,206,662.59	82.3
# of Permits = 159							
Average Value $	$301.86	$39,163.47	$5,271.31	$125,159.15	$13,793.92	$183,689.70	
Percent %	0.2	21.3	2.9	68.1	7.5	100.0	
Set Gillnet							
Total # [a]	315	736,590	33,021	1,311,149	195,539	2,276,614	7.4
Avg. Wt.	12.3	5.61	7.09	3.85	7.43		
Total Lbs. [a]	3,874	4,129,130	234,017	5,049,958	1,453,360	10,870,339	9.8
Avg. $/Lb. [b]	$1.37	$1.13	$0.46	$0.22	$0.27		
Exvessel $	$5,307.38	$4,665,916.90	$107,647.82	$1,110,990.76	$392,407.20	$6,282,270.06	17.7
# of Permits = 132							
Average Value $	$40.21	$35,347.86	$815.51	$8,416.60	$2,972.78	$47,592.96	
Percent %	0.1	74.3	1.7	17.7	6.2	100	
Total All Gear							
Total # [a]	7,219	1,726,971	288,744	27,648,943	955,808	30,627,685	100.0
Avg. Wt.	9.17	5.70	6.62	3.31	7.72		
Avg. $/Lb. [b]	$0.81	$1.11	$0.50	$0.23	$0.35		
Exvessel $	$53,303.79	$10,892,908.14	$945,785.32	$21,011,295.48	$2,585,639.92	$35,488,932.65	100.0
% of Total Value	0.2	30.7	2.7	59.2	7.3	100.0	

[a] Numbers and pounds of fish are derived from ADF&G fish ticket summaries. There were 9,826 fish tickets generated in 2009; each ticket represents a landing. Each gear type had the following landings: Purse and Beach Seine – 5,074; Set Gillnet – 4,752. Numbers do not include commercially harvested salmon retained but not sold, subsistence, or sport fishery harvests.

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

Table 12.–Commercial salmon harvest, in numbers of fish, exvessel value of the harvest in dollars, and value of average permit holder harvest by gear type, in the Kodiak Management Area, 1970-2009.

Year	Total Catch [a]	Total Value [b]	Average Exvessel Value		
			Purse Seine [c]	Gillnet [c]	Beach Seine [c]
1970	13,949,206	$21,658,000	$41,880	$21,083	10,470
1971	6,378,179	$4,973,000	$13,397	$3,015	2,919
1972	3,883,197	$3,909,000	$9,233	$1,451	647
1973	1,001,343	$2,094,000	$5,075	$852	251
1974	3,329,427	$4,808,000	$15,993	$4,828	4,406
1975	3,187,410	$3,831,000	$13,300	$3,849	5,600
1976	12,484,451	$16,976,000	$43,017	$14,481	11,035
1977	7,976,691	$18,873,142	$46,942	$19,117	12,107
1978	16,942,215	$30,357,179	$70,685	$22,711	14,772
1979	12,420,260	$22,958,317	$51,263	$23,363	20,348
1980	19,157,249	$27,410,296	$62,363	$21,215	23,385
1981	13,094,099	$32,647,230	$79,877	$34,785	26,946
1982	10,891,952	$18,803,822	$39,309	$28,889	11,038
1983	7,081,976	$13,405,578	$30,239	$16,689	5,918
1984	13,678,005	$25,948,012	$71,560	$26,552	12,341
1985	9,897,903	$20,428,111	$57,782	$27,517	8,405
1986	16,304,165	$38,723,961	$92,693	$68,700	11,885
1987	7,746,980	$31,107,864	$79,812	$41,163	15,664
1988	19,009,757	$103,816,936	$252,388	$119,013	47,017
1989 [d]	26,455,944	$61,046,024	$146,502	$72,955	28,288
1990	12,122,389	$52,611,882	$113,302	$66,715	10,424
1991	23,723,008	$37,019,293	$77,511	$53,817	5,257
1992	8,462,464	$40,498,352	$98,379	$41,984	5,436
1993	39,341,025	$38,554,977	$94,927	$43,889	8,230
1994	12,098,324	$27,103,339	$67,545	$46,189	9,392
1995	49,187,163	$53,921,533	$135,769	$66,165	14,388
1996	9,215,978	$27,627,620	$71,080	$52,632	2,954
1997	14,460,978	$21,017,587	$54,940	$38,135	8,419
1998	26,444,750	$34,797,884	$119,346	$52,048	Conf
1999	17,780,488	$34,090,487	$108,951	$57,744	7,342
2000	14,373,531	$23,096,064	$74,618	$36,711	Conf
2001	23,711,870	$22,134,956	$93,727	$29,515	0
2002	21,319,153	$13,614,159	$71,882	$31,223	0
2003	19,618,352	$16,681,878	$81,420	$30,475	0
2004	27,247,798	$19,869,794	$97,397	$37,583	0
2005	34,075,061	$24,961,468	$136,088	$40,172	0
2006	34,933,291	$25,777,256	$157,080	$27,732	Conf
2007	27,923,974	$28,195,069	$152,153	$41,068	3,484
2008	11,833,577	$27,957,042	$164,127	$43,199	0
2009	30,627,685	$35,488,933	$184,793	$47,593	Conf
Average - Previous 10 Years:					
1999-2008	23,281,710	23,637,817	$113,744	$37,542	1,353
Average [e] - Previous Decades:					
1990-1999	21,283,657	$36,724,295	$94,175	$51,932	7,982
1980-1988	12,984,676	$34,699,090	$85,114	$42,725	18,067
1970-1979	8,155,238	$13,043,764	$31,079	$11,475	8,256
Average [e] - Overall					
1970-2008	16,481,254	$26,638,423	$80,186	$35,165	9,157

-continued-

Source: ADF&G Annual Management Reports and Commercial Fisheries Entry Commission reports.
Note: Conf=confidential

[a] Number of fish. Includes commercial harvest, test fisheries, and Kitoi Bay Hatchery cost recovery harvests.

[b] Exvessel values for 1970-1976 and 2003-2009 are based on inseason price estimates, and do not include postseason adjustments. Values from 1977-1988 and 1990-2000 are from Commercial Fisheries Entry Commission reports.

[c] Exvessel value is based on fish ticket information. These average values do not reflect payments made to fishers for iced fish, dock deliveries, and postseason settlements.

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

[e] 1989 data not included in averages.

Table 13.–Subsistence salmon fishery harvest from ADF&G permit reports, by species, for the Kodiak Management Area, 1970-2008.

Year	Permits Issued	Permits Returned	Percent Returned	Number of Salmon					
				Chinook	Sockeye	Coho	Pink	Chum	Total
1978	860	539	63	50	7,239	3,699	2,747	572	14,307
1979	1,085	697	64	111	10,376	3,840	3,300	333	17,960
1980	1,239	756	61	67	13,746	4,407	2,755	566	21,541
1981	1,166	658	56	49	12,924	4,029	2,458	484	19,944
1982	1,276	993	78	110	16,615	7,192	3,558	667	28,142
1983	1,307	1,082	83	111	15,526	6,283	2,536	800	25,256
1984	1,240	1,061	86	265	17,620	5,808	1,877	720	26,290
1985	1,476	1,196	81	172	16,231	8,873	2,756	855	28,887
1986	1,244	996	80	90	14,391	6,998	2,371	605	24,455
1987	1,124	878	78	101	13,198	6,463	2,421	1,299	23,482
1988 [a]	-	2,066	N/A	108	10,081	4,291	1,320	371	16,171
1989 [a,b]	-	1,994	N/A	43	12,638	4,123	1,553	419	18,776
1990 [a]	-	2,340	N/A	131	17,959	8,627	1,605	655	28,977
1991 [a]	-	2,660	N/A	177	21,835	8,208	1,743	714	32,677
1992 [a]	-	2,614	N/A	318	20,684	8,643	1,646	643	31,934
1993 [a]	-	1,774	N/A	243	19,471	7,176	2,696	838	30,424
1994 [c]	2,550	1,518	60	205	17,962	7,491	1,758	440	27,856
1995 [c]	1,950	1,218	62	175	19,416	5,603	1,548	293	27,035
1996 [c]	1,567	1,429	91	253	28,287	5,117	1,125	381	35,163
1997 [c]	2,098	1,648	79	383	33,293	6,369	1,458	234	41,737
1998 [c]	1,845	1,145	62	350	20,459	5,348	1,412	214	27,783
1999 [c]	1,845	1,437	78	397	26,534	4,974	1,229	388	33,522
2000 [c]	1,711	1,679	98	351	31,667	6,383	977	375	39,753
2001 [c]	2,378	2,009	84	273	33,878	5,920	1,158	427	41,656
2002 [c]	2,277	2,068	91	588	33,844	6,175	1,665	350	42,622
2003 [c]	2,272	2,052	90	510	32,193	6,098	1,509	388	40,698
2004 [c]	2,241	2,063	92	379	30,503	5,857	1,403	261	38,403
2005 [c]	2,290	1,958	86	434	27,664	7,703	2,350	592	38,743
2006 [c]	2,095	1,911	91	280	22,985	6,640	1,827	441	32,173
2007 [c]	2,096	1,929	92	207	25,656	4,715	1,585	266	32,429
2008 [c]	2,037	1,745	86	159	21,852	4,570	1,180	186	27,947
Recent 10-year Average									
1999-2008	2,124	1,885	89	358	28,678	5,904	1,488	367	36,795
species compositon by percent				1%	78%	16%	4%	1%	100%
Averages [b] - Previous Decades:									
1990-1999	1,976	1,778	90	263	22,590	6,756	1,622	480	31,448
1980-1988	1,259	1,076	85	119	14,481	6,038	2,450	707	23,677
1970-1979	973	618	64	81	8,808	3,770	3,024	453	16,053
Average [b] - Overall									
1970-2008	1,731	1,537	79	235	21,136	6,117	1,932	512	29,932

Source: 1981 and 1986 to 2008 data is from the ADF&G subsistence permit database. Data from all other years is from Area Management Reports (AMRs). In some cases, AMRs may show slightly higher harvests than the permit database, likely due to late permits that may not have been entered into the system. The harvest information is only from those permits that were returned, so may not represent the total KMA subsistence salmon harvest.

[a] Permits were mailed to all previous applicants, totaling approximately 2,800. Many were returned as undeliverable. Those names were removed from subsequent mailing lists. Accurate counts of the number of permits issued were not kept.

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[b] In 1989 harvest patterns were unusual due to the M/V Exxon Valdez oil spill. 1989 data is not included in averages. There was also an Exxon sponsored subsistence fishery in Karluk Lagoon, and those harvests are not included. Harvest totaled an additional 1 Chinook, 13,329 sockeye, 523 coho, 47 pink, and 19 chum salmon.

[c] In 1994, the salmon and shellfish subsistence permitting programs were merged. Since then, the total number of permits includes permits mailed to all previous permit holders and permits issued by ADF&G staff in the City of Kodiak and Kodiak Island villages.

Table 14.–Retention of salmon taken in commercial salmon fisheries but not sold, by species, for the Kodiak Management Area, 1997-2009.

Year	Permits	Landings	Number of Salmon [a]					
			Chinook	Sockeye	Coho	Pink	Chum	Total
1997	10	10	7	678	91	6	2	784
1998	4	5	8	26	9	0	0	43
1999	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
2000	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
2001	9	14	16	465	1,215	0	33	1,729
2002	33	56	57	5,447	7,542	566	0	13,612
2003 [b]	36	87	72	11,025	12,310	1,492	86	24,985
2004	13	39	8	3,052	290	253	10	3,613
2005	16	37	54	4,432	811	4,385	11	9,693
2006	31	52	100	1,442	2,786	1,140	128	5,596
2007	13	25	26	1,577	520	2,246	8	4,377
2008	19	40	76	2,513	681	0	0	3,270
2009	23	32	49	805	2,726	883	6	4,469
10-yearAverage:								
1999-2008	21	44	51	3,744	3,269	1,260	35	8,359

Source: ADF&G fish ticket data base

Note: Conf=confidential

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

[b] 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).

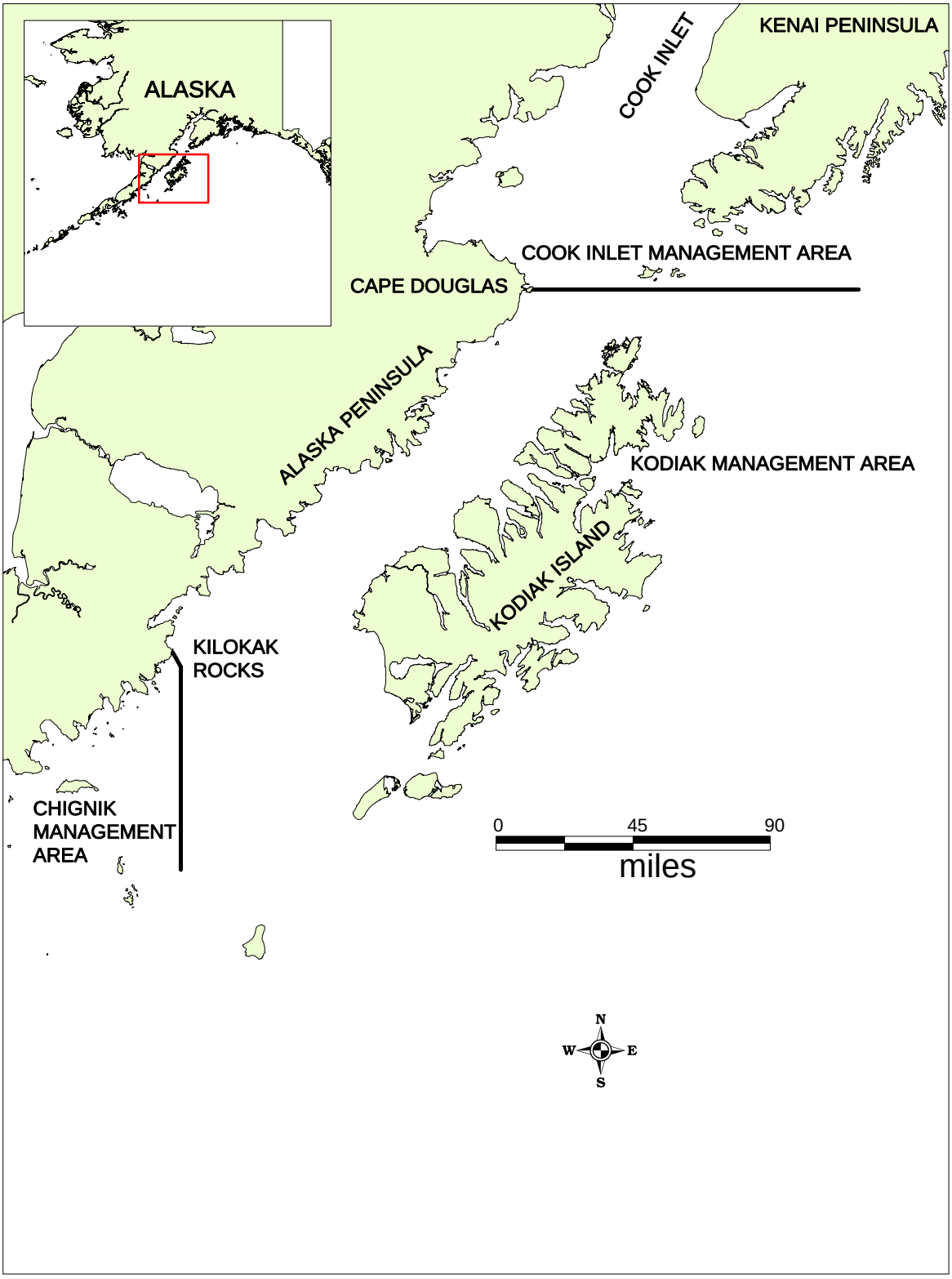


Figure 1.–Map of the location of the Kodiak Management Area and neighboring management areas, 2009.

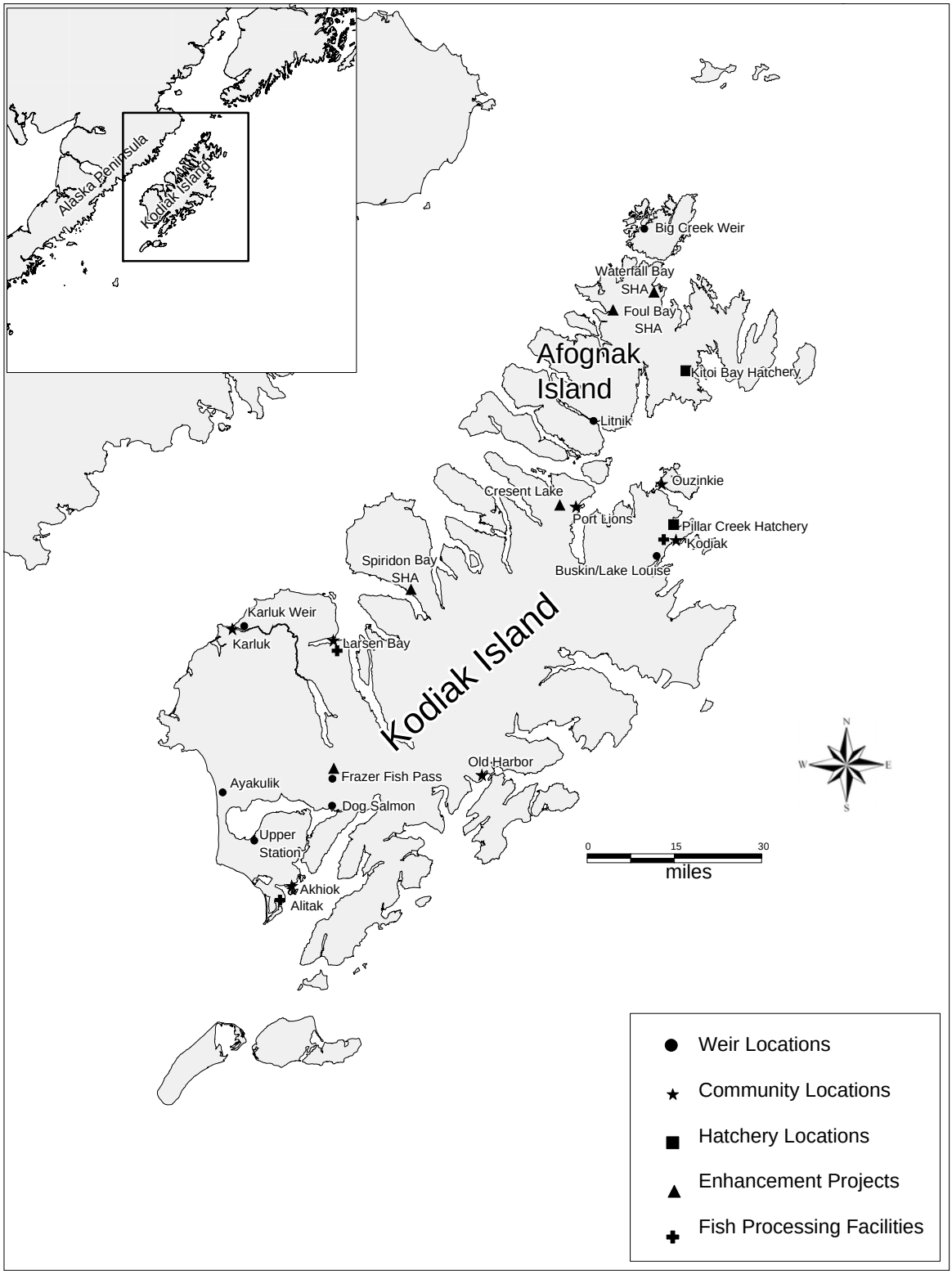


Figure 2.–Map of the Kodiak Archipelago showing communities, canneries, sockeye salmon enhancement projects, weir, and hatchery locations in the Kodiak Management Area, 2009.

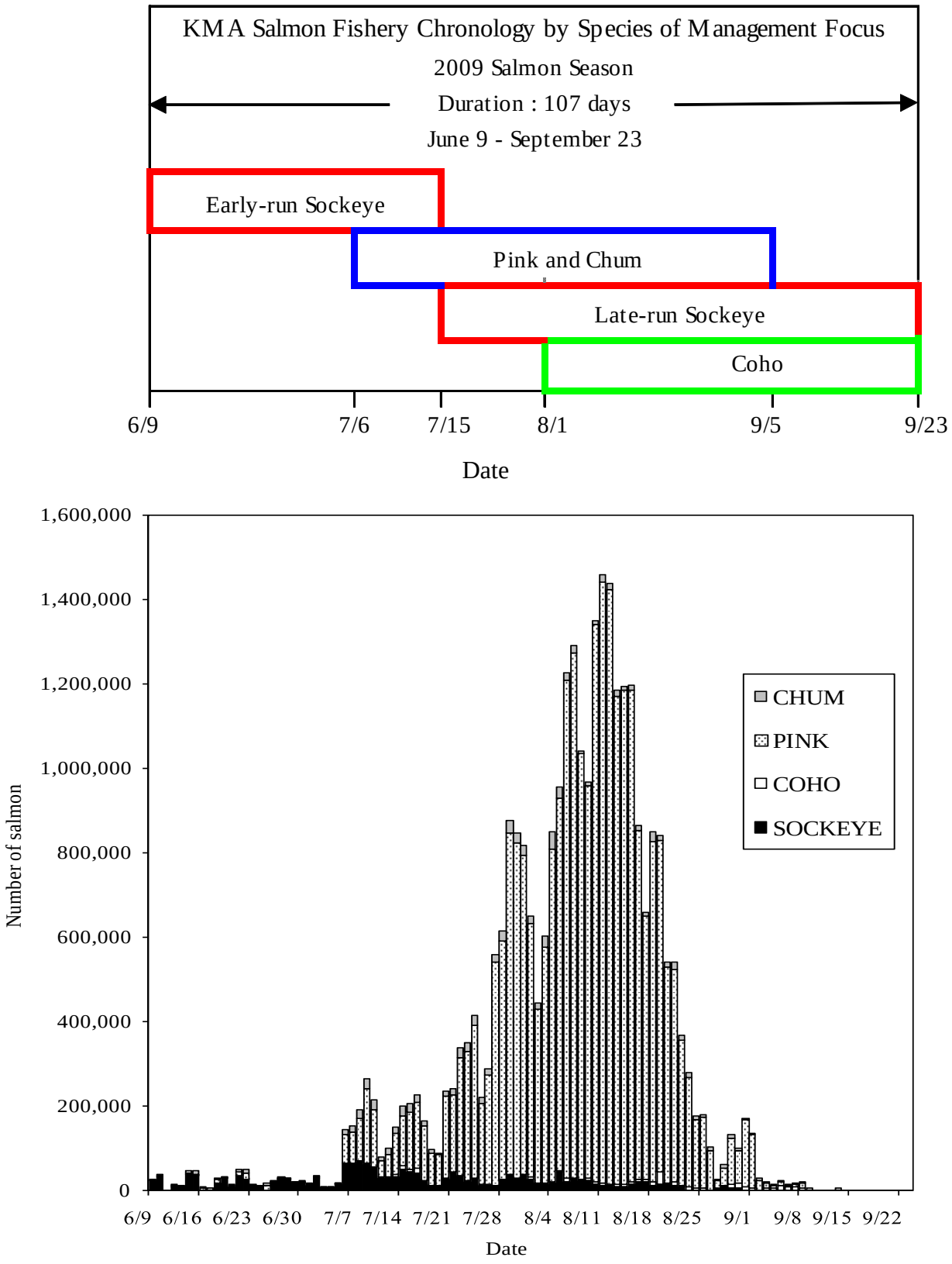
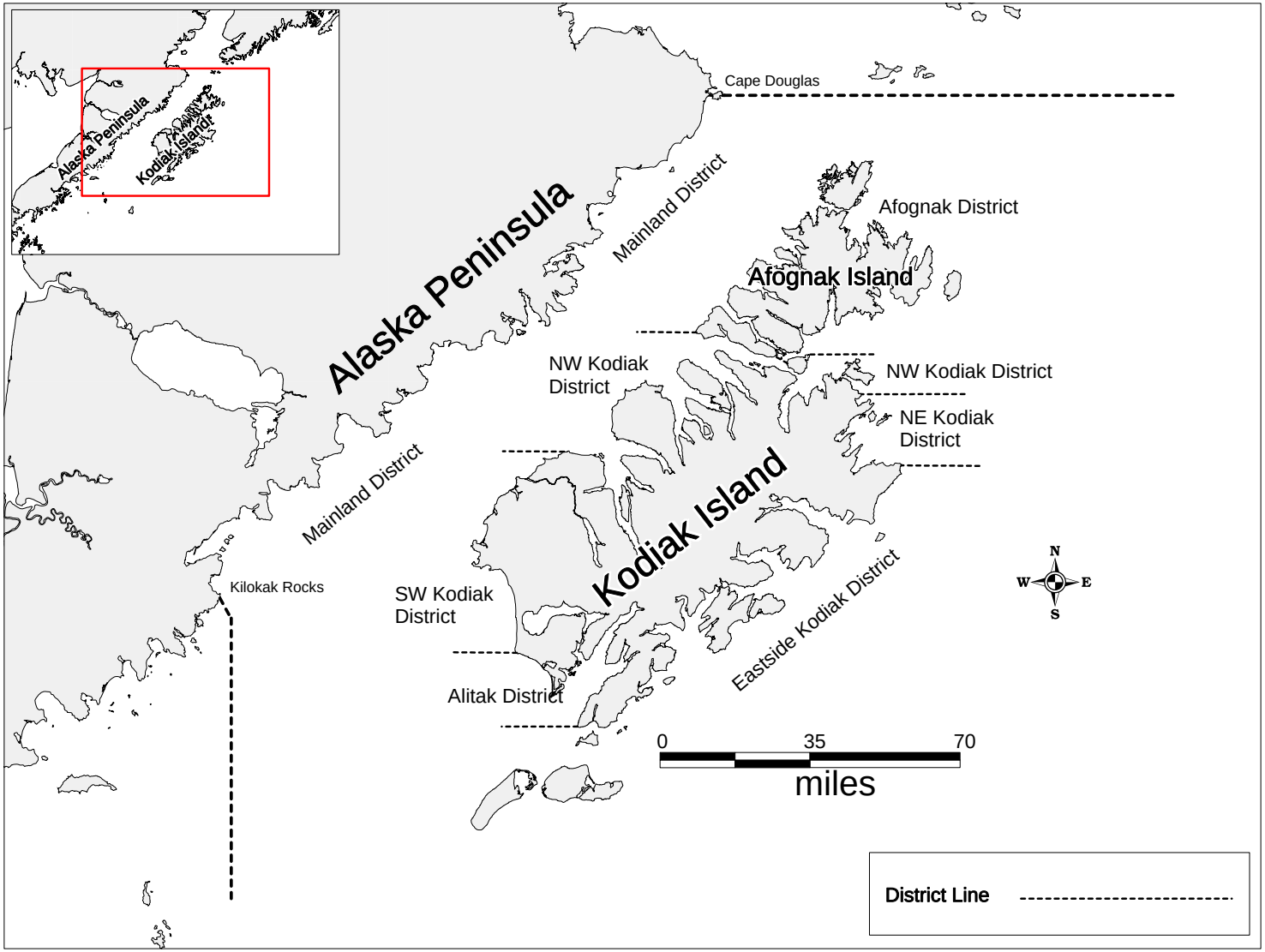
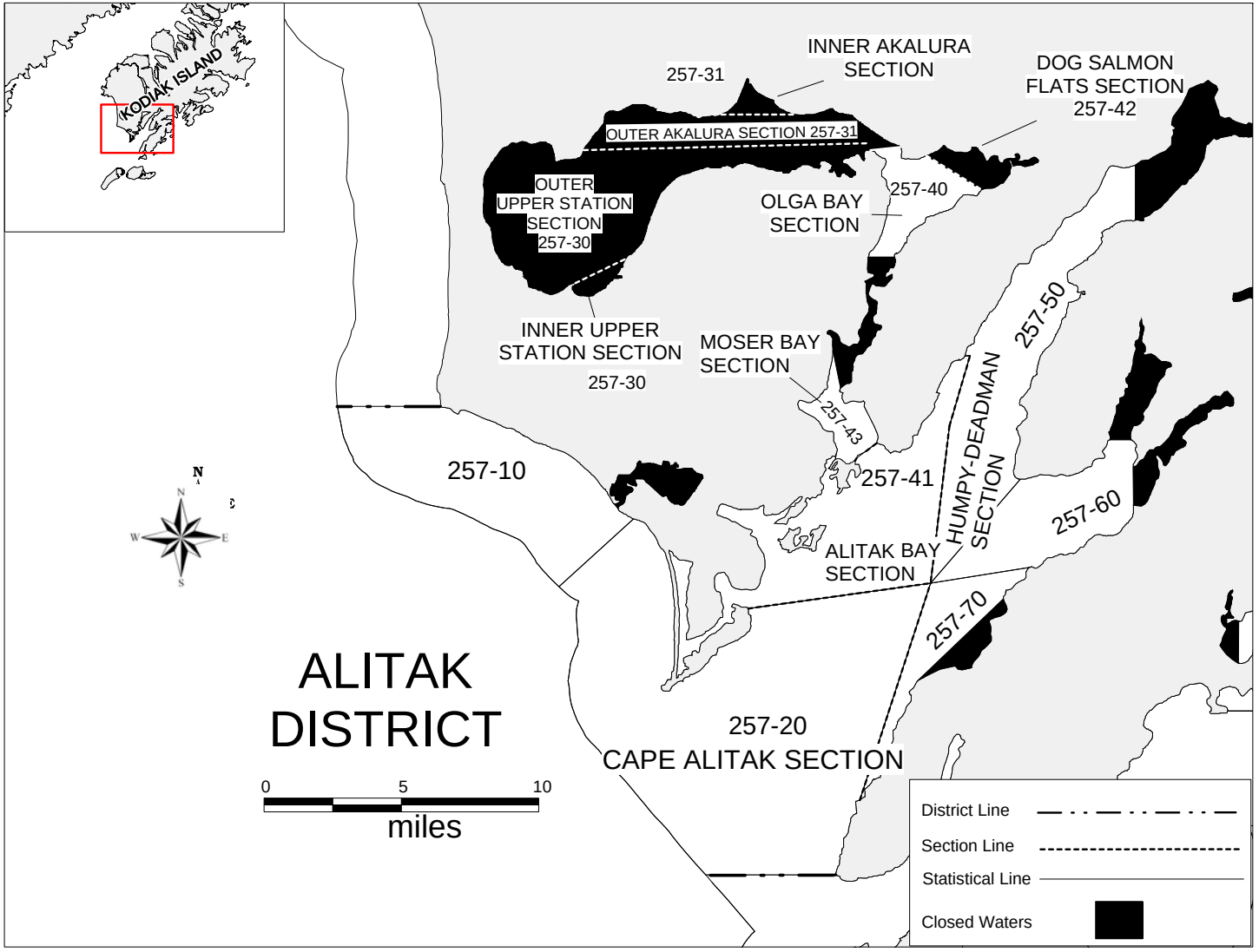


Figure 3.–Commercial salmon fishery chronology and daily harvest by date and species of management focus, Kodiak Management Area, 2009.

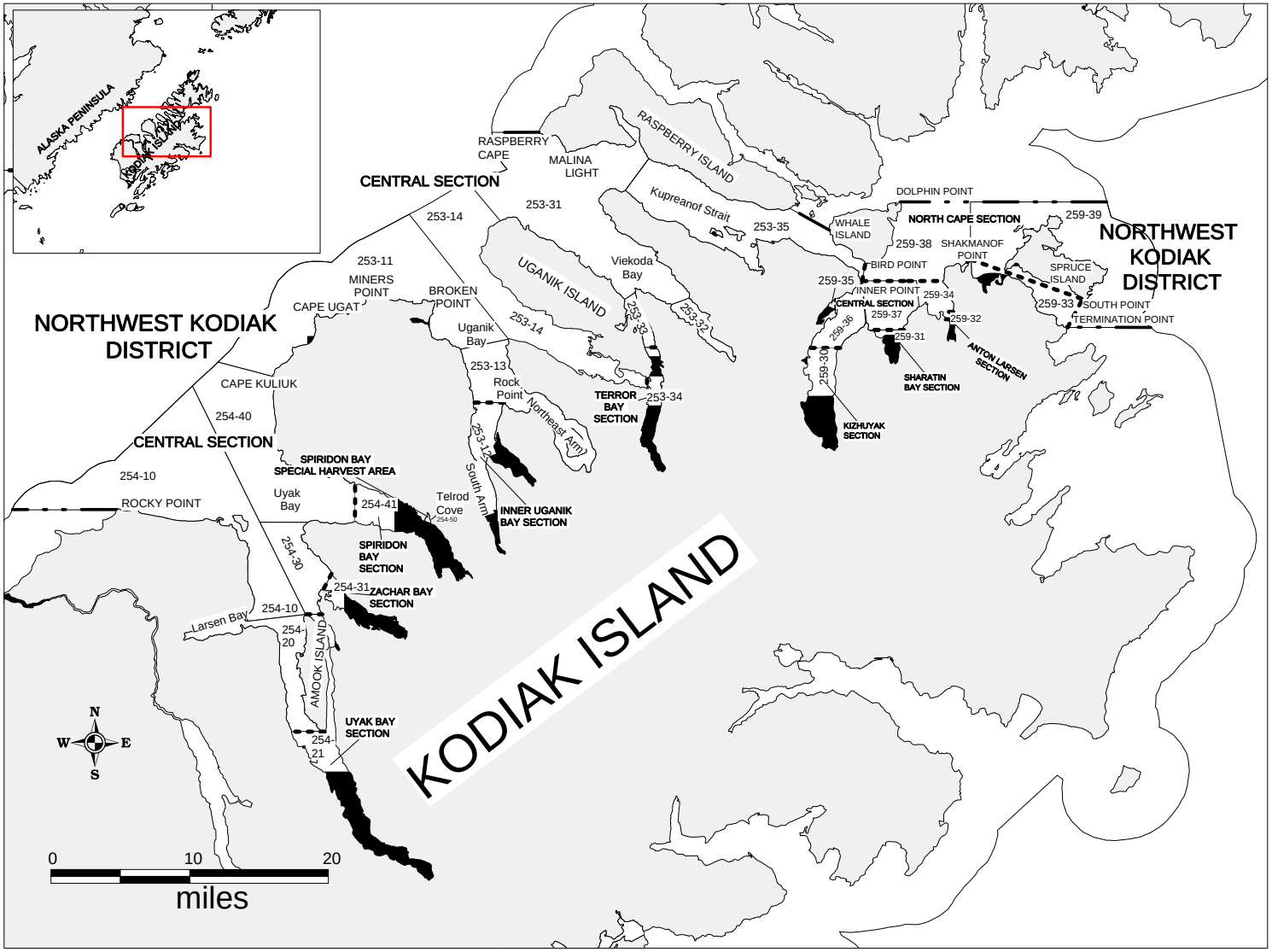
APPENDIX A. MAPS OF FISHING DISTRICTS



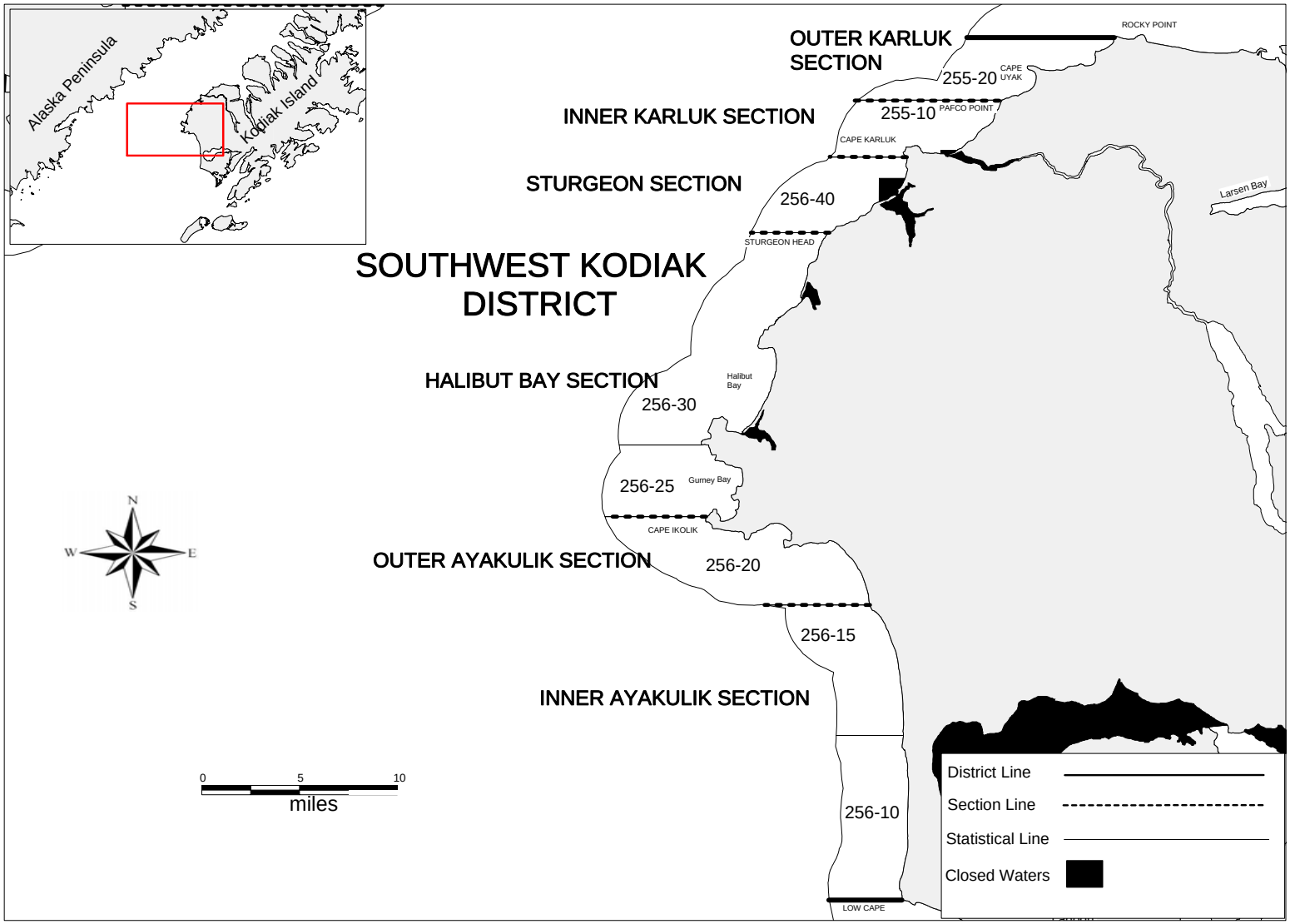
Appendix A1.–Map of the Kodiak Management Area identifying commercial salmon fishing districts.



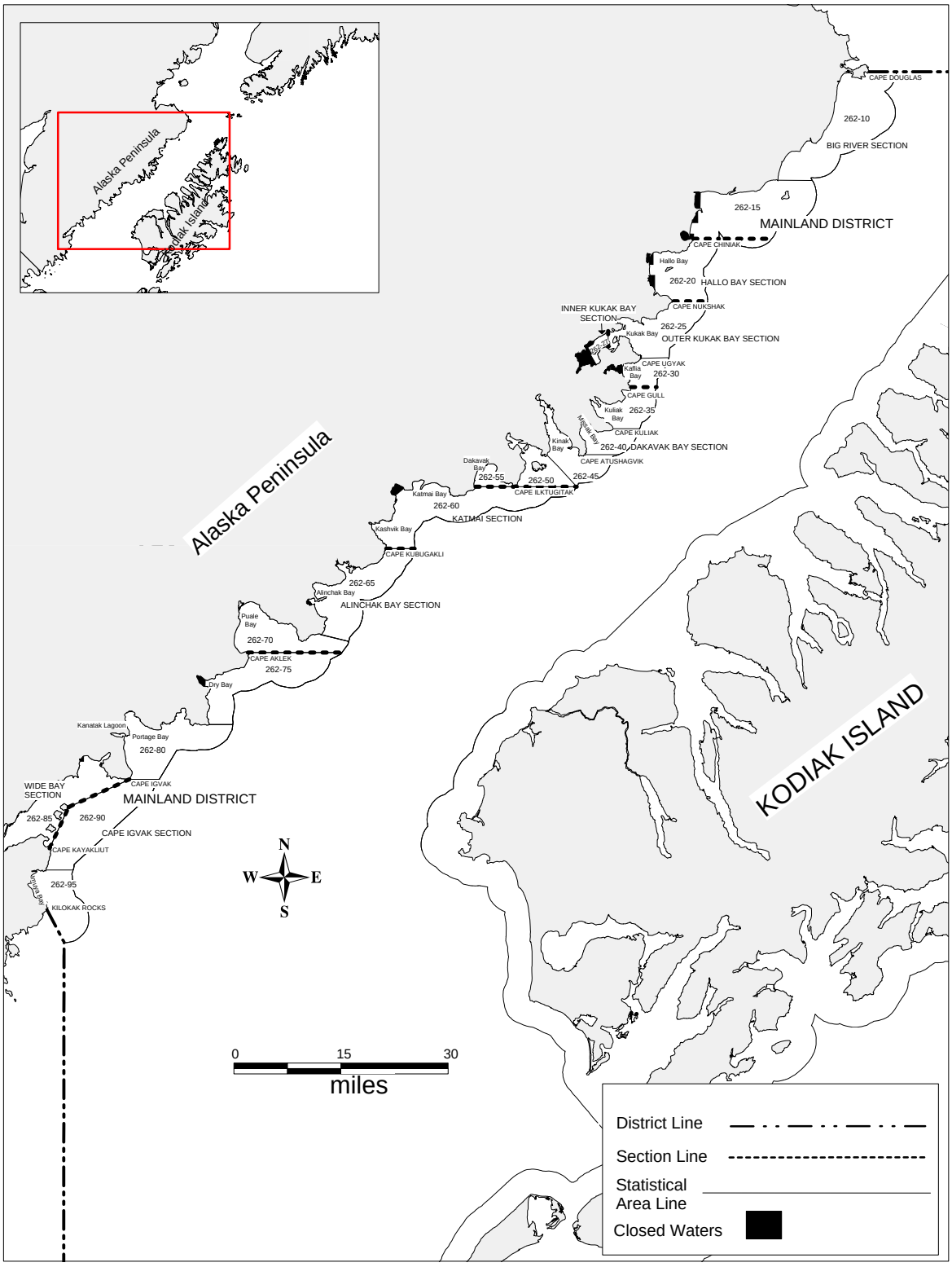
Appendix A2.–Map of the Alitak District identifying commercial salmon fishing sections and statistical areas.



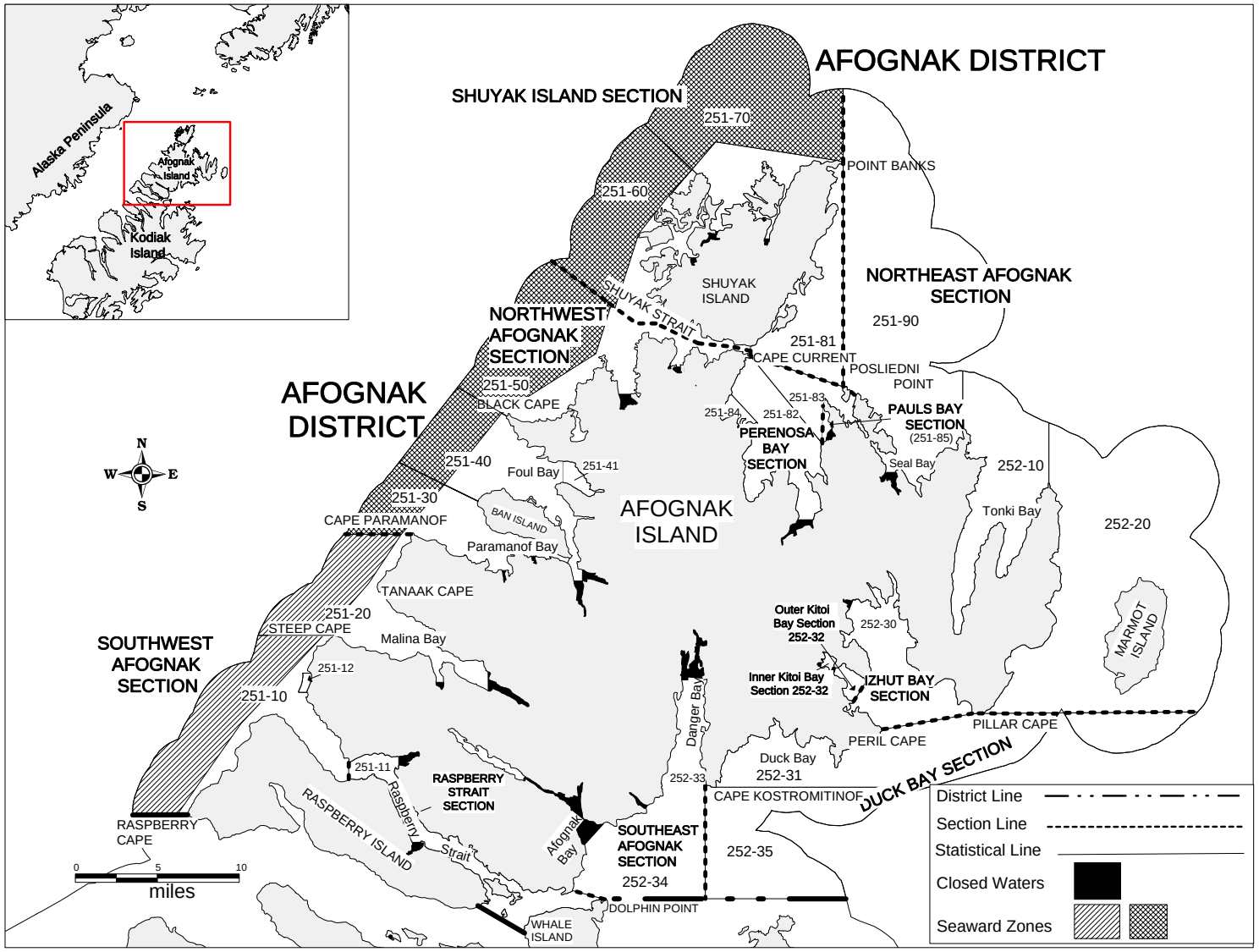
Appendix A3.–Map of the Northwest Kodiak District identifying commercial salmon fishing sections and statistical areas.



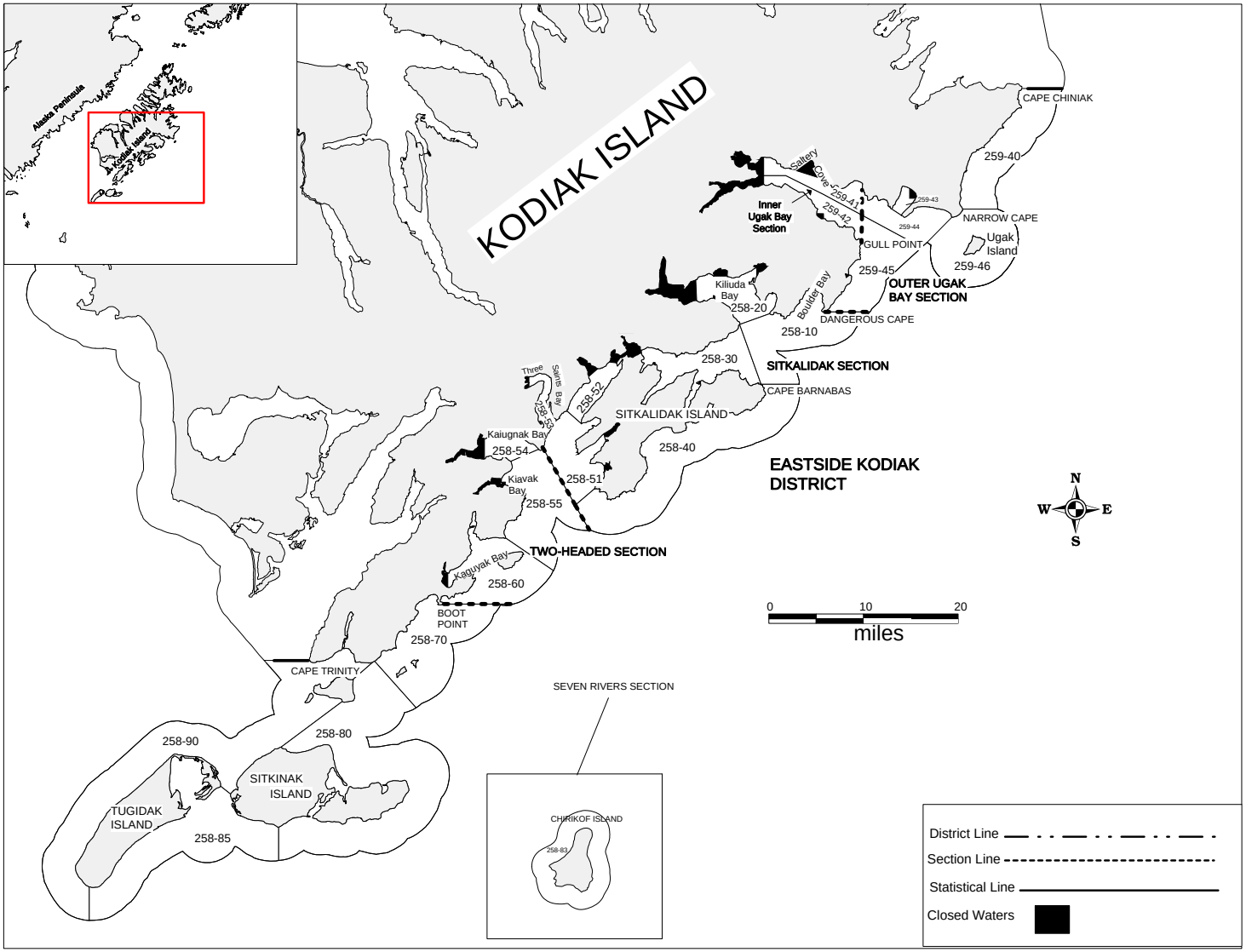
Appendix A4.–Map of the Southwest Kodiak District identifying commercial salmon fishing sections and statistical areas.



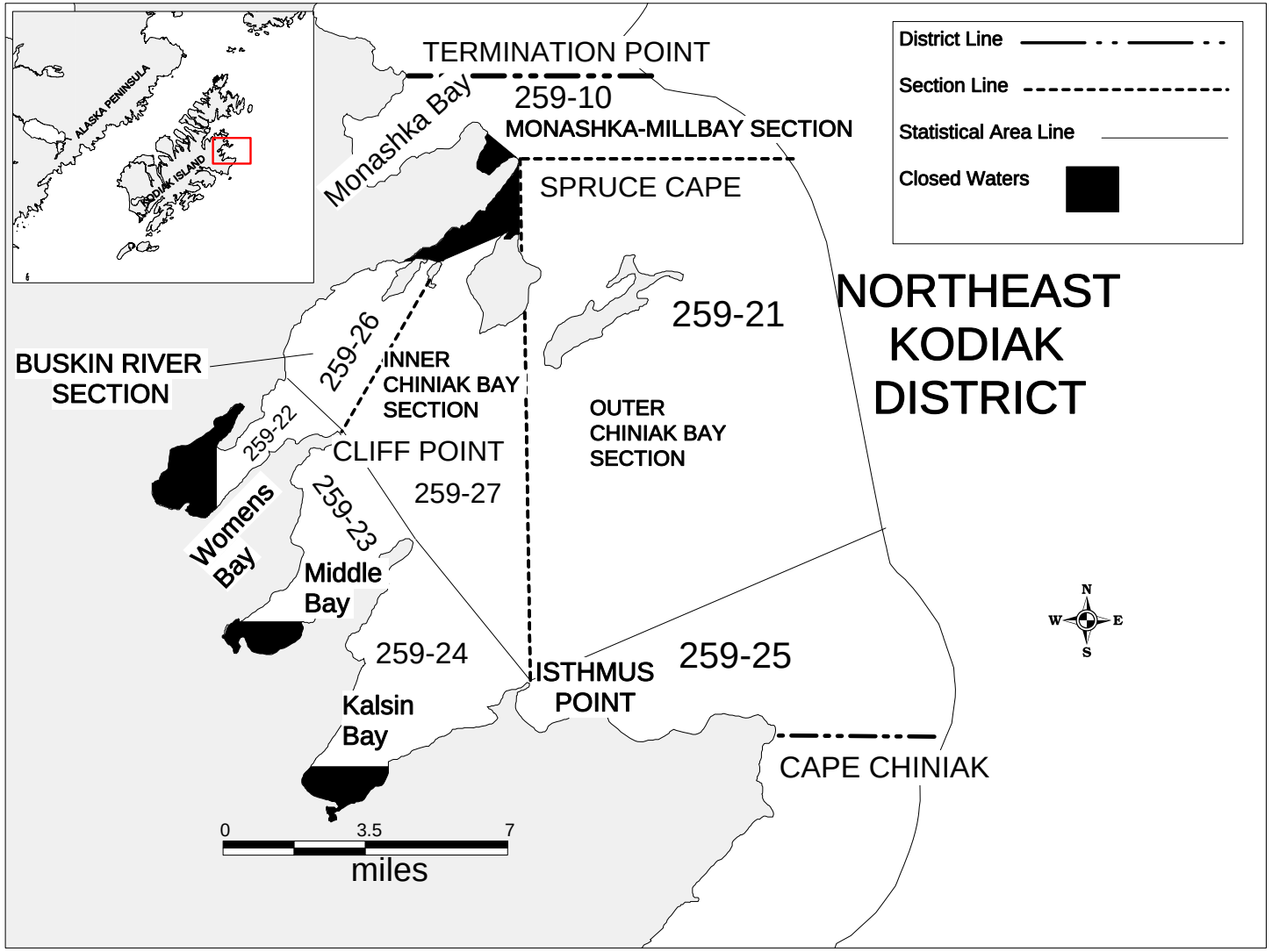
Appendix A5.–Map of the Mainland District identifying commercial salmon fishing sections and statistical areas.



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



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



Appendix A8.–Map of the Northeast Kodiak District identifying 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, 2009.

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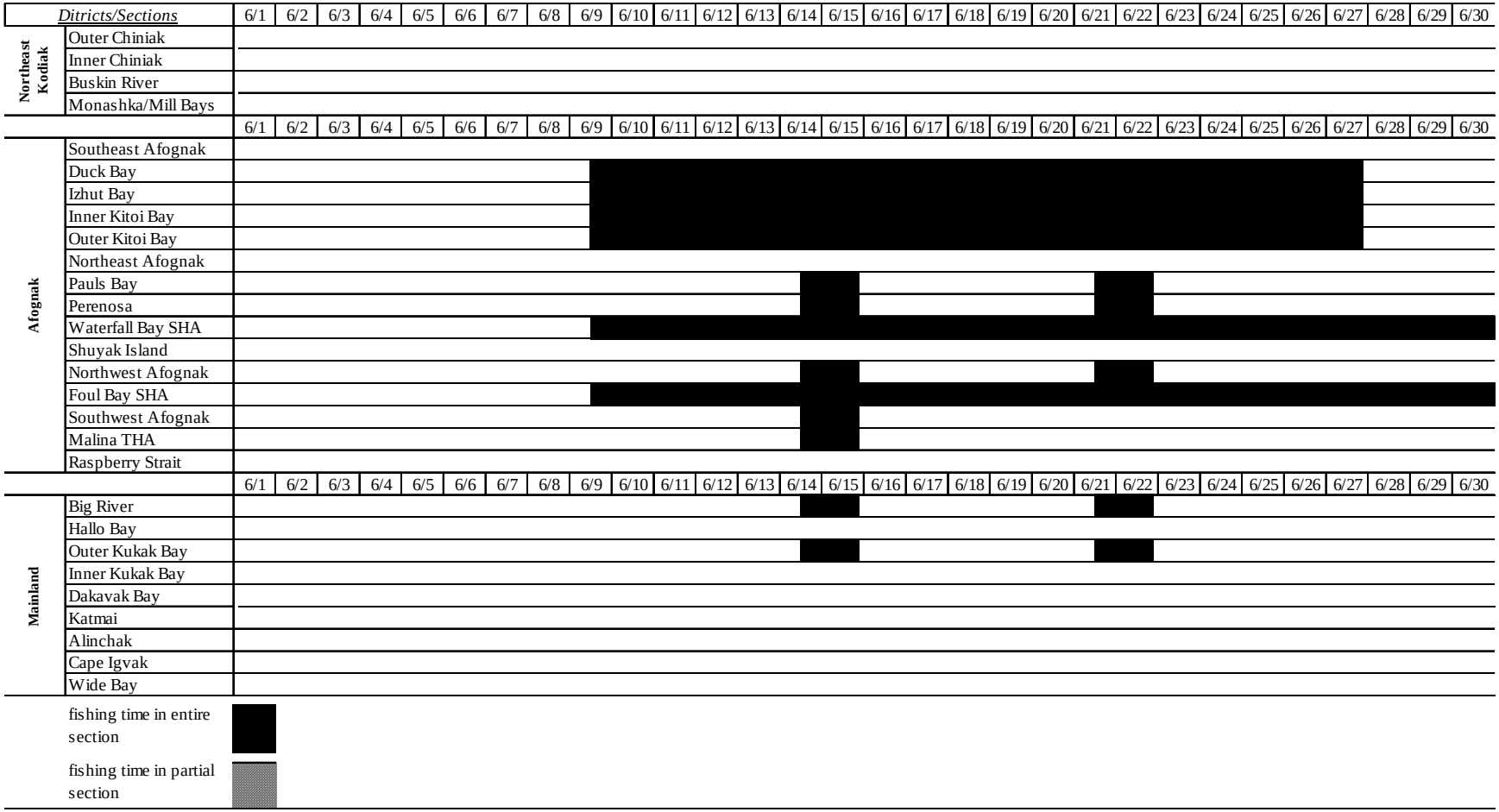
Appendix B1.– Page 2 of 8.



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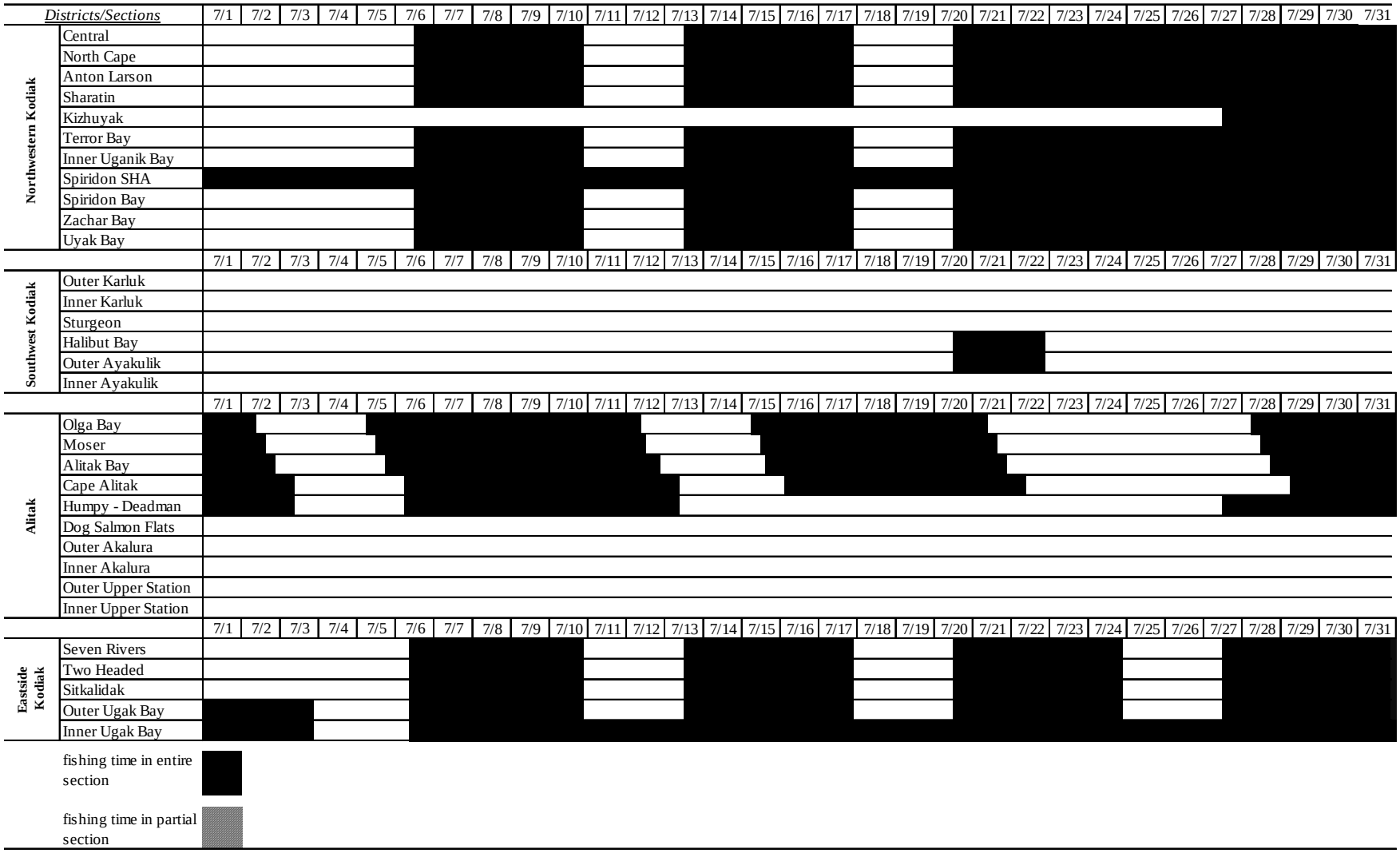
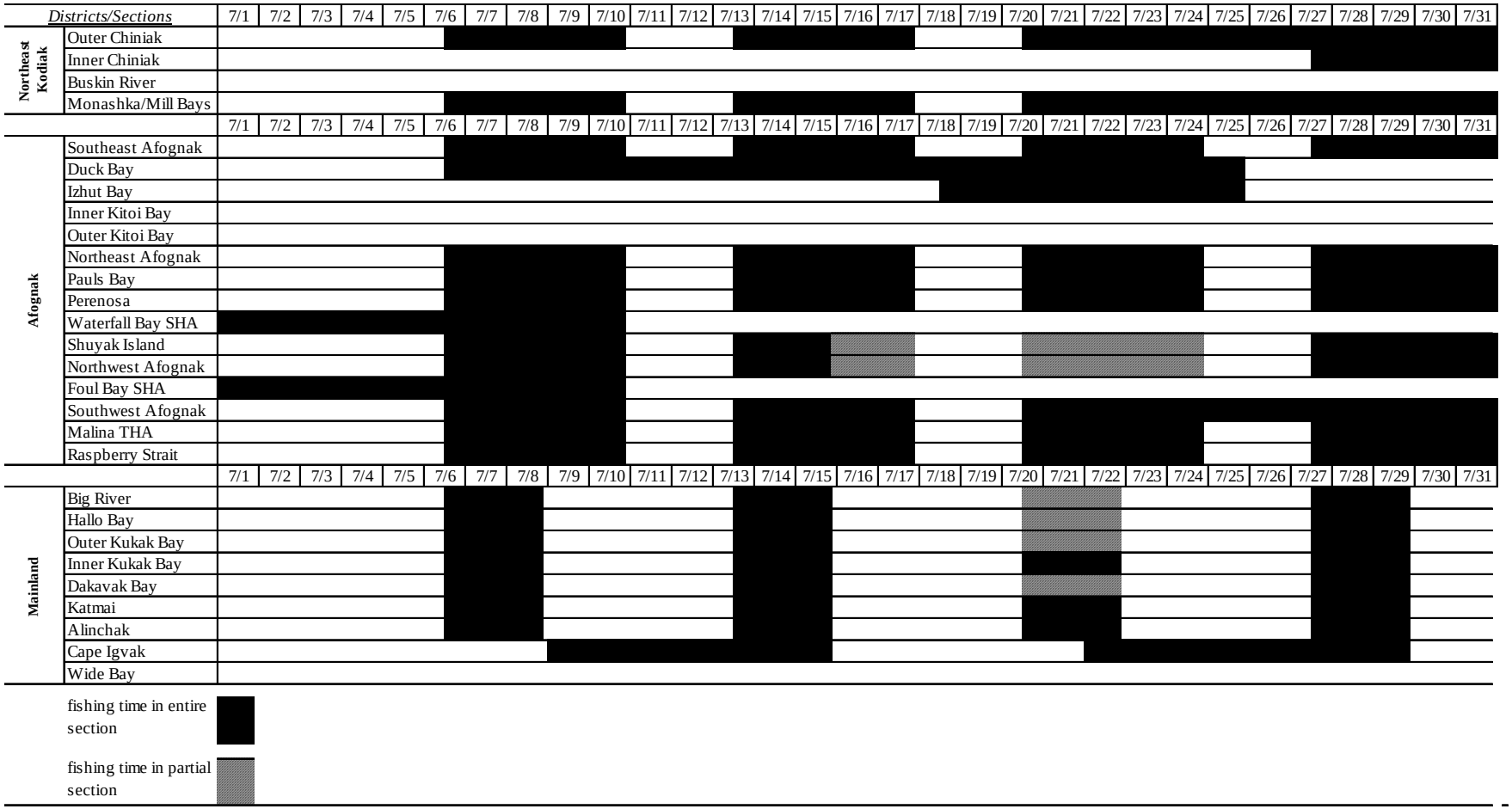

Districts/Sections
7/1 7/2 7/3 7/4 7/5 7/6 7/7 7/8 7/9 7/10 7/11 7/12 7/13 7/14 7/15 7/16 7/17 7/18 7/19 7/20 7/21 7/22 7/23 7/24 7/25 7/26 7/27 7/28 7/29 7/30 7/31
Northwestern Kodiak
Central
North Cape
Anton Larson
Sharatin
Kizhuyak
Terror Bay
Inner Uganik Bay
Spiridon SHA
Spiridon Bay
Zachar Bay
Uyak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

-continued-


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 Bays
Afognak
Southeast Afognak
Duck Bay
Izhut Bay
Inner Kitoi Bay
Outer Kitoi Bay
Northeast Afognak
Pauls Bay
Perenosa
Waterfall Bay SHA
Shuyak Island
Northwest Afognak
Foul Bay SHA
Southwest Afognak
Malina THA
Raspberry Strait
Mainland
Big River
Hallo Bay
Outer Kukak Bay
Inner Kukak Bay
Dakavak Bay
Katmai
Alinchak
Cape Igvak
Wide Bay
fishing time in entire section
fishing time in partial section

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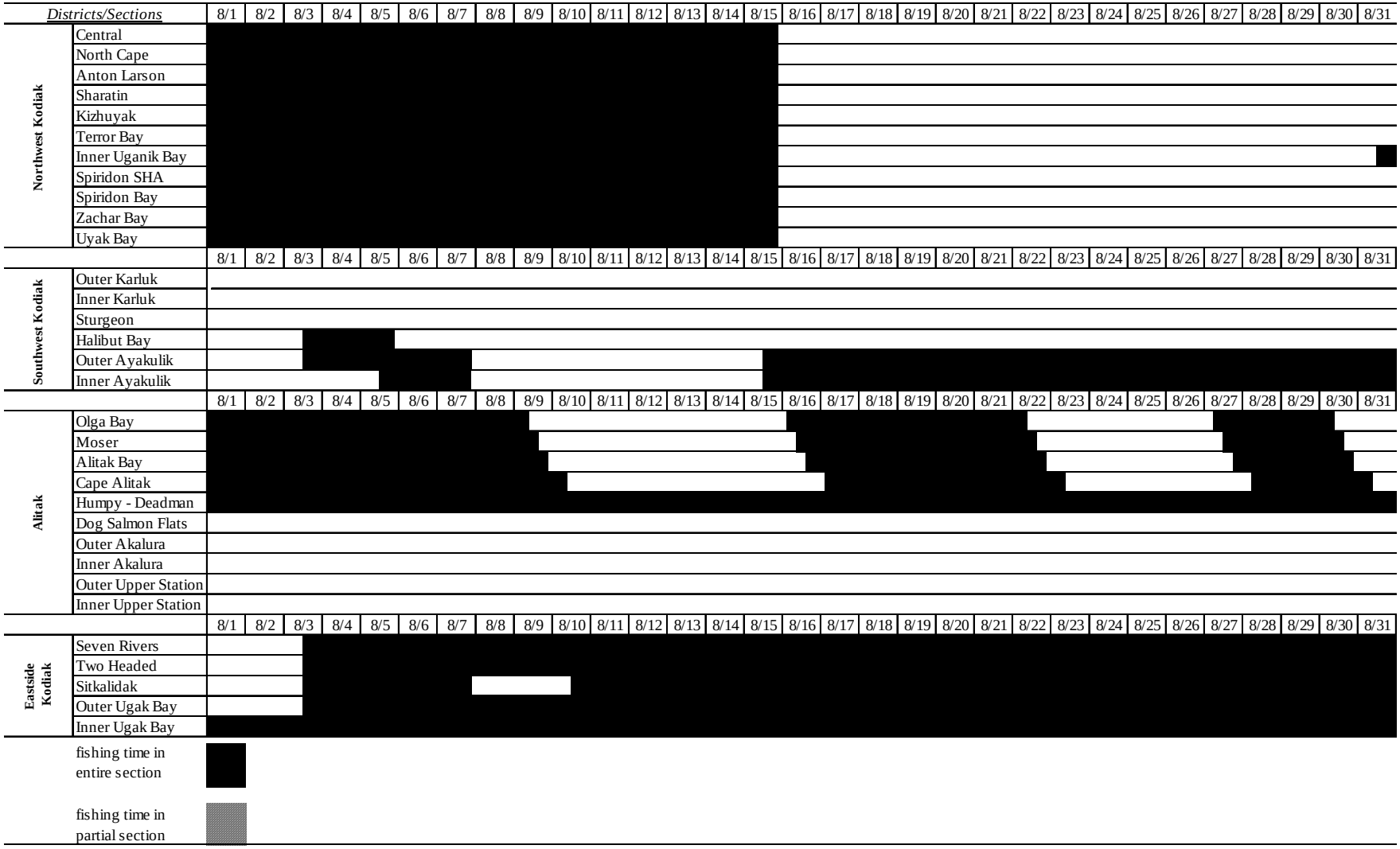
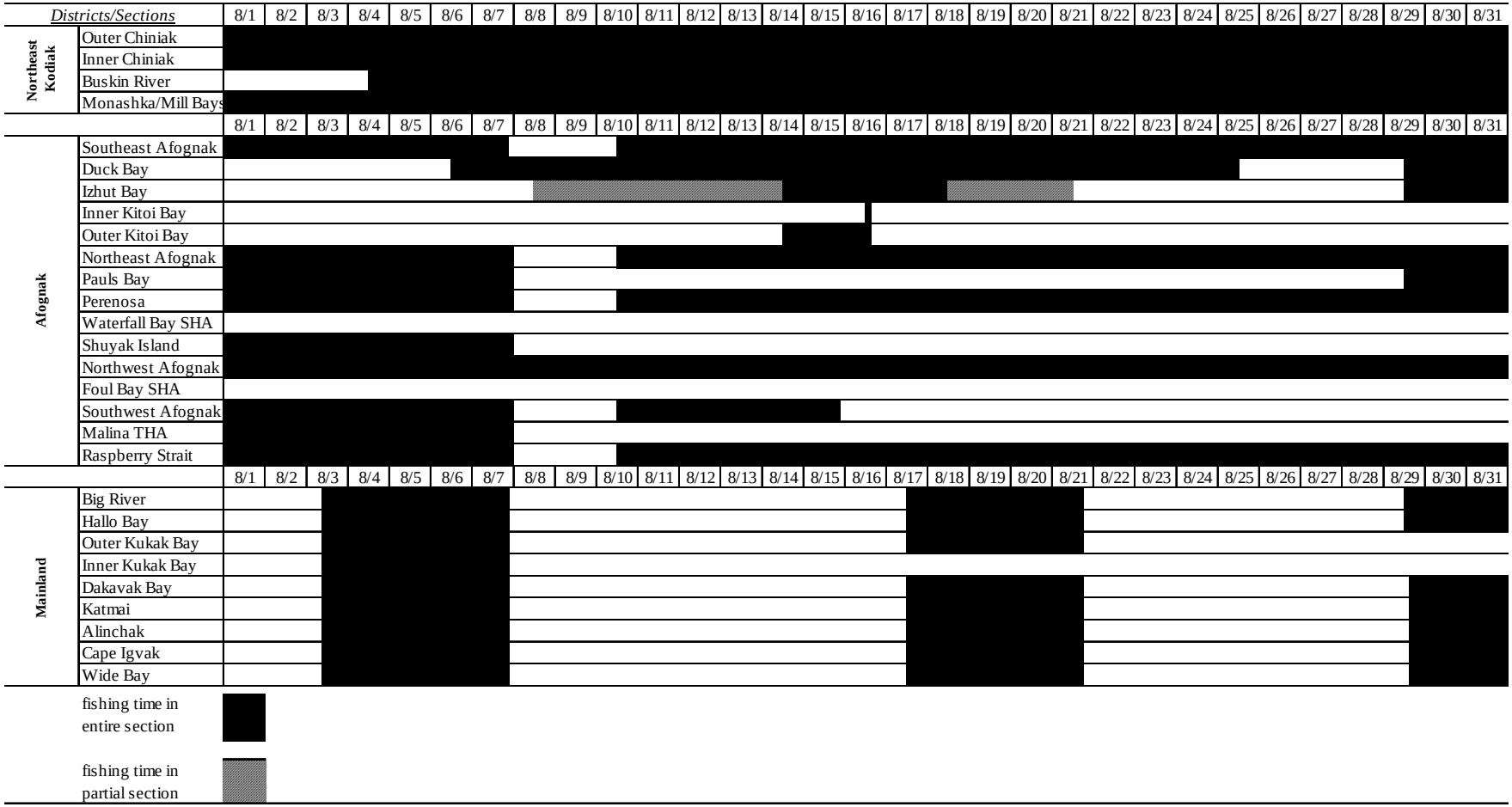

Districts/Sections
8/1 8/2 8/3 8/4 8/5 8/6 8/7 8/8 8/9 8/10 8/11 8/12 8/13 8/14 8/15 8/16 8/17 8/18 8/19 8/20 8/21 8/22 8/23 8/24 8/25 8/26 8/27 8/28 8/29 8/30 8/31
Northwest Kodiak
Central
North Cape
Anton Larson
Sharatin
Kizhuyak
Terror Bay
Inner Uganik Bay
Spiridon SHA
Spiridon Bay
Zachar Bay
Uyak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

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

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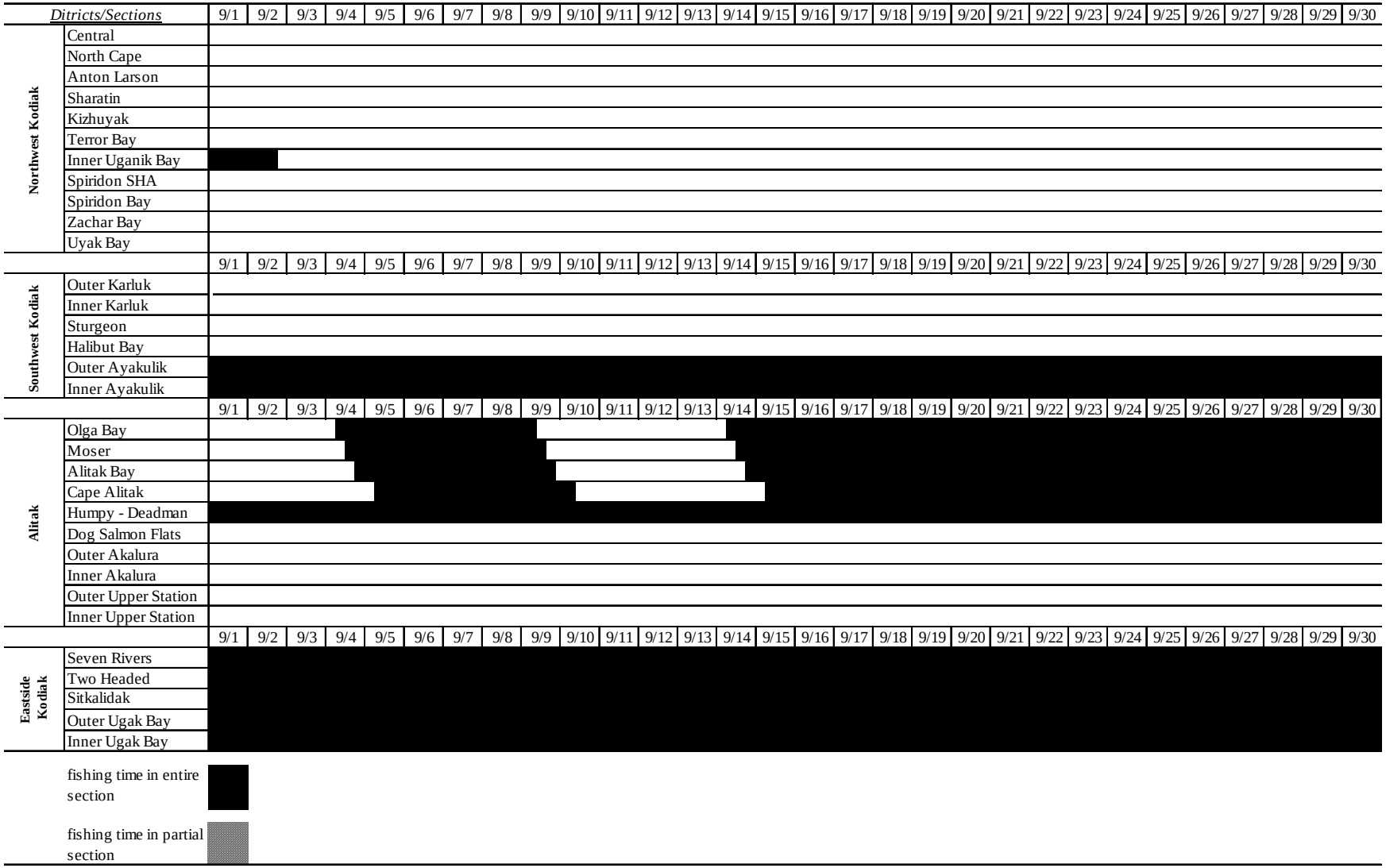
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Northwest Kodiak
Central
North Cape
Anton Larson
Sharatin
Kizhuyak
Terror Bay
Inner Uganik Bay
Spiridon SHA
Spiridon Bay
Zachar Bay
Uyak Bay
Southwest Kodiak
Outer Karluk
Inner Karluk
Sturgeon
Halibut Bay
Outer Ayakulik
Inner Ayakulik
Alitak
Olga Bay
Moser
Alitak Bay
Cape Alitak
Humpy - Deadman
Dog Salmon Flats
Outer Akalura
Inner Akalura
Outer Upper Station
Inner Upper Station
Eastside Kodiak
Seven Rivers
Two Headed
Sitkalidak
Outer Ugak Bay
Inner Ugak Bay
fishing time in entire section
fishing time in partial section

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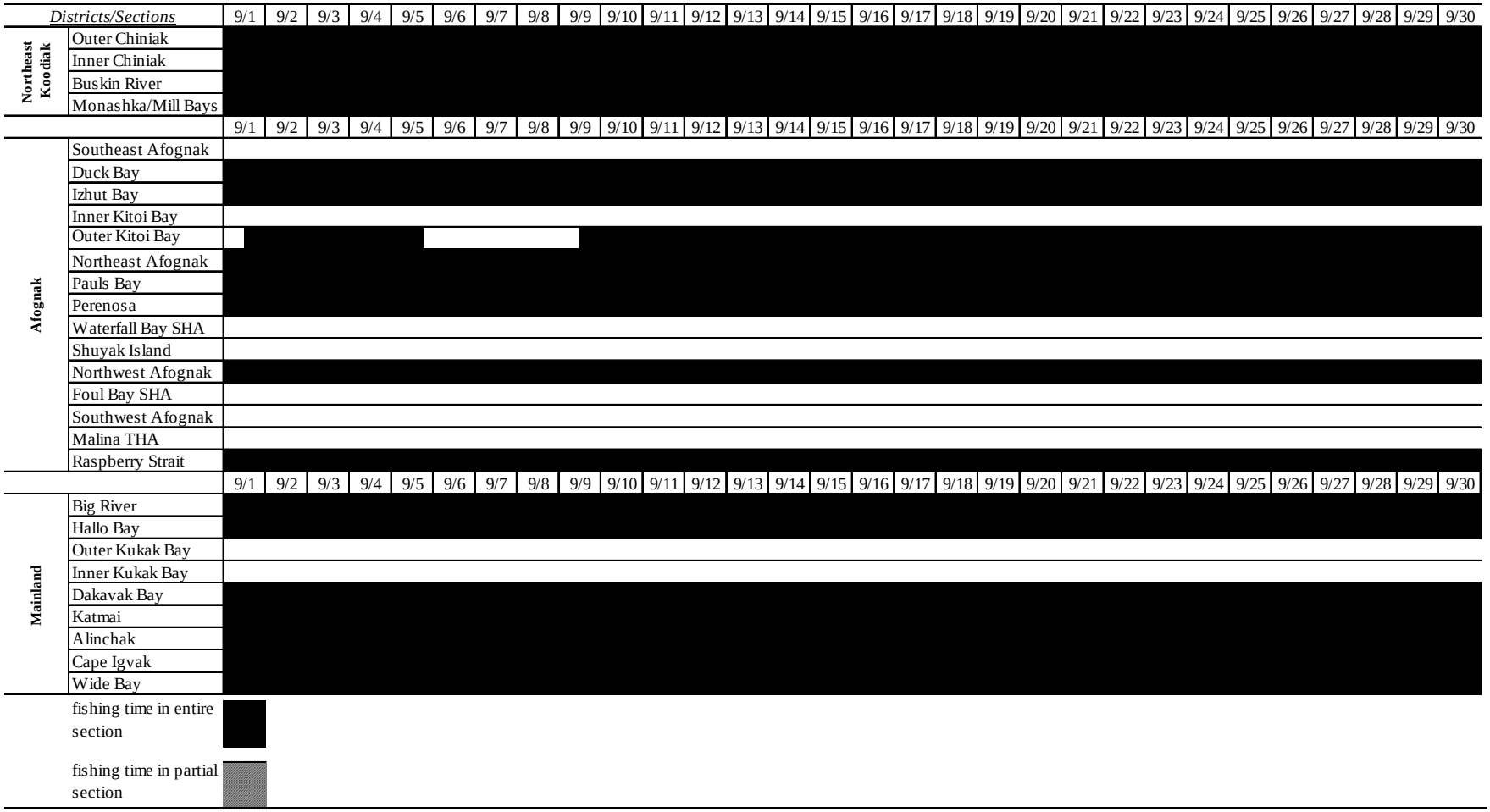
Districts/Sections
9/1 9/2 9/3 9/4 9/5 9/6 9/7 9/8 9/9 9/10 9/11 9/12 9/13 9/14 9/15 9/16 9/17 9/18 9/19 9/20 9/21 9/22 9/23 9/24 9/25 9/26 9/27 9/28 9/29 9/30
Northeast Koodiak
Outer Chiniak
Inner Chiniak
Buskin River
Monashka/Mill Bays
Afognak
Southeast Afognak
Duck Bay
Izhut Bay
Inner Kitoi Bay
Outer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

Appendix B2.–Summary of emergency orders issued in the Kodiak Management Area, 2009.

E.O. #	Issued	Effective	Action in Effect
1	9:30 AM 6/5/09	NOON 6/9/09	Opening for 33 hours, until 9:00 PM 6/10 • Central and North Cape sections • Alitak District
		NOON 6/9/09	Opening until further notice: • Foul Bay Special Harvest Area (FBSHA) • Waterfall Bay Special Harvest Area (WBSHA) • Inner Kitoi Bay, Outer Kitoi Bay, Duck Bay, Izhut Bay sections
		NOON 6/9/09	Closed water adjustments • Reduced until further notice in Foul Bay and Waterfall Bay
2	11:00 AM 6/11/09	6:00 AM 6/12/09	Opening in the Alitak District as follows: • Olga Bay Section from 6:00 AM 6/12 to 9:00 AM 6/14 • Moser Bay Section from NOON 6/12 to 3:00 PM 6/14 • Alitak Bay Section from 6:00 PM 6/12 to 9:00 PM 6/14 • Cape Alitak and Humpy-Deadman sections from 6:00 AM 6/13 to 9:00 AM 6/15 Open until further notice: • FBSHA • WBSHA • Duck Bay, Izhut Bay, Inner Kitoi Bay, and Outer Kitoi Bay sections Closed water adjustments • Reduced until further notice in Foul Bay and Waterfall
3	11:00 AM 6/12/09	NOON 6/14/09	Opening for 33 hours until 9:00 PM 6/15 • Northwest Kodiak District (except the Kizhuyak Bay Section which remains closed). • Eastside Kodiak District • Southwest Afognak, Northwest Afognak, Perenosa Bay, and Pauls Bay sections • Big River and Outer Kukak sections
		NOON 6/14/09	Closed Water Adjustment Reduced until 9:00 PM 6/15: • Kaflia Creek • Saltery Cove Open until further notice: • FBSHA • WBSHA • Duck Bay, Izhut Bay, Inner Kitoi Bay and Outer Kitoi Bay sections

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E.O. #	Issued	Effective	Action in Effect
3 (cont.)			Closed water adjustment • Reduced until further notice in Foul Bay and Waterfall Bay
4	11:00 AM 6/17/09	6:00 AM 6/18/09	Opening in the Alitak District as follows: • Olga Bay Section from 6:00 am 6/18 to 9:00 am 6/20 • Moser Bay Section from noon 6/18 to 3:00 pm 6/20 • Alitak Bay Section from 6:00 pm 6/18 to 9:00 pm 6/20 • Cape Alitak and Humpy-Deadman sections from 6:00 AM 6/19 to 9:00 AM 6/21
		NOON 6/21/09	Opening for 33 hours until 9:00 PM 6/22 • Northwest Afognak, Pauls Bay and Perenosa Bay sections • Eastside Kodiak District • Big River and Outer Kukak sections
		NOON 6/21/09	Closed Water Adjustment Reduced until 9:00 PM 6/22: • Kaflia Creek • Saltery Cove
		NOON 6/21/09	Opening until further notice: • Spiridon Bay Special Harvest Area (SBSHA) Open until further notice: • FBSHA • WBSHA • Duck Bay, Izhut Bay, Inner Kitoi Bay, and Outer Kitoi Bay sections Closed Water Adjustments • Reduced until further notice in Foul Bay and Waterfall Bay
5	11:00 AM 6/19/09	9:00 AM 6/20/09	Extension of the current period in the Alitak District for 48 hours as follows: • Olga Bay Section from 9:00 AM 6/20 until 9:00 am 6/22 • Moser Bay Section from 3:00 PM 6/20 until 3:00 pm 6/22 • Alitak Bay Section from 9:00 PM 6/20 until 9:00 pm 6/22 • Cape Alitak and Humpy-Deadman sections from 9:00 AM 6/21 until 9:00 AM 6/23 Open until further notice: • SBSHA • FBSHA • WBSHA • Duck Bay, Izhut Bay, Inner Kitoi Bay, and Outer Kitoi Bay sections Closed Water Adjustment • Reduced until further notice in Foul Bay and Waterfall Bay

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E.O. #	Issued	Effective	Action in Effect
6	10:30 AM 6/25/09	6:00 AM 6/26/09	Opening in the Alitak District as follows: • Olga Bay Section from 6:00 am 6/26 to 9:00 am 6/29 • Moser Bay Section from noon 6/26 to 3:00 pm 6/29 • Alitak Bay Section from 6:00 pm 6/26 to 9:00 pm 6/29 • Cape Alitak and Humpy-Deadman sections from 6:00 AM 6/27 to 9:00 AM 6/30
		9:00 PM 6/27/09	Closing at 9:00 PM 6/27: • Duck Bay, Izhut Bay, Outer Kitoi Bay, and Inner Kitoi Bay sections Open until further notice: • FBSHA • WBSHA • SBSHA Closed Water Adjustments • Reduced until further notice in Foul Bay and Waterfall Bay
7	11:00 AM 6/26/09	NOON 6/27/09	Opening for 57 hours until 9:00 PM 6/29 • Inner Ugak Bay and Outer Ugak Bay sections
		NOON 6/27/09	Closed Water Adjustments Reduced until 9:00 PM 6/29 • Hearst Creek • Saltery Creek Open until further notice • FBSHA • WBSHA • SBSHA Closed Water Adjustments • Reduced until further notice in Foul Bay and Waterfall Bay
8	10:00 AM 6/28/09	9:00 PM 6/29/09	Extension for 72 hours until 9:00 PM 7/1 • Inner Ugak Bay and Outer Ugak Bay sections Extension of the current period in the Alitak District for 72 hours as follows: • Olga Bay Section from 9:00 AM 6/29 until 9:00 AM 7/2 • Moser Bay Section from 3:00 PM 6/29 until 3:00 pm 7/2 • Alitak Bay Section until 9:00 PM 7/2 • Cape Alitak and Humpy-Deadman sections until 9:00 AM 7/3 Open until further notice: • FBSHA • WBSHA • SBSHA

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E.O. #	Issued	Effective	Action in Effect
8 (cont.)			Closed Water Adjustments • Reduced until further notice in Foul Bay and Waterfall Bay
9	11:30 AM 6/30/09	9:00 PM 7/1/09	Extension for 48 hours until 9:00 PM 7/3 • Inner Ugak Bay and Outer Ugak Bay sections Closed Water Adjustments Reduced until 9:00 PM 7/3: • Hearst Creek • Saltery Creek Open until further notice: • FBSHA • WBSHA • SBSHA Closed Water Adjustments • Reduced until further notice in Foul Bay and Waterfall Bay
10	2:00 PM 7/2/09	6:00 AM 7/5/09	Opening in the Alitak District as follows: • Olga Bay Section from6:00 AM 7/5 to 9:00 AM 7/8 • Moser Bay Section from NOON 7/5 to 3:00 PM 7/8 • Alitak Bay Section from 6:00 PM 7/5 to 9:00 PM 7/8 • Cape Alitak and Humpy Deadman sections from 6:00 AM 7/6 to 9:00 AM 7/9
		NOON 7/6/09	Opening for 105 hours until 9:00 PM 7/10: • Northwest District (except the Kizhuyak Bay Section which remains closed) • Eastside Kodiak District • Afognak District (except the Inner Kitoi Bay, Outer Kitoi Bay and Izhut Bay sections which remain closed and the Duck Bay Section which opens at NOON July 6 until further notice) • Outer Chiniak and Monashka/Mill Bay sections
		NOON 7/6/09	Opening until further notice: • Duck Bay Section Closes at 9:00 PM July 10: • FBSHA • WBSHA
		NOON 7/6/09	Opening for 57 hours until 9:00 PM 7/8 • Mainland District (except the Wide Bay and Cape Igvak sections which remain closed)

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E.O. #	Issued	Effective	Action in Effect
10 (cont.)		9:00 PM 7/3/09	Closed Water Adjustments Reduced until futher notice at: • Hearst Creek • Saltery Creek
		NOON 7/6/09	Increased until 9:00 PM July 10 • Thorsheim Bay Open until further notice: • SBSHA
11	11:45 AM 7/7/09	9:00 AM 7/8/09	Extension of the current period in the Alitak District for 48 hours as follows: • Olga Bay Section from 9:00 AM 7/8 until 9:00 am 7/10 • Moser Bay Section from 3:00 PM 7/8 until 3:00 pm 7/10 • Alitak Bay Section from 9:00 PM 7/8 until 9:00 pm 7/10 • Cape Alitak and Humpy-Deadman sections from 9:00 AM 7/9 until 9:00 AM 7/11
		12:01 AM 7/9/09	Opening for 48 hours until 12:01 AM 7/11 • Cape Igvak Section
		9:00 PM 7/3/09	Closed Water Adjustments Reduced until further notice at: • Hearst Creek • Saltery Creek
		NOON 7/6/09	Increased until 9:00 PM July 10: • Thorshiem Bay Open until further notice • SBSHA • Duck Bay Section
12	10:00 AM 7/9/09	9:00 AM 7/10/09	Extension of the current period in the Alitak District for 48 hours as follows: • Olga Bay Section form 9:00 AM 7/10 until 9:00 AM 7/12 • Moser Bay Section from 3:00 PM 7/10 until 3:00 PM 7/12 • Alitak Bay Section from 9:00 PM 7/10 until 9:00 PM 7/12 • Cape Alitak and Humpy-Deadman sections from 9:00 AM 7/11 until 9:00 AM 7/13
		9:00 PM 7/10/09	Opening until further notice: • Inner Ugak Bay Section

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E.O. #	Issued	Effective	Action in Effect
12 (cont.)			Closed Water Adjustments Reduced until further notice at: • Hearst Creek • Saltery Creek Open until further notice • Duck Bay Section • SBSHA
13	NOON 7/11/09	12:01 AM 7/12/09	Extension for 24 hours until 12:01 AM 7/13: • Cape Igvak Section Closed Water Adjustments Reduced until further notice at: • Hearst Creek • Saltery Creek Open until further notice • Duck Bay Section • SBSHA • Inner Ugak Bay Section
14	11:30 AM 7/11/09	12:01 AM 7/12/09	Extension for 24 hours until 12:01 AM 7/13: • Cape Igvak Section
		NOON 7/13/09	Opening for 105 hours until 9:00 PM 7/17: • Northwest District (except the Kizhuyak Bay Section which remains closed) • Afognak District (except the Inner Kitoi Bay, Outer Kitoi Bay. and Izhut Bay sections which remain closed and the Duck Bay Section which is open until further notice) • Outer Chiniak and Monashka/Mill Bay sections • Eastside Kodiak District (except the Inner Ugak Bay Section which is open until further notice)
		NOON 7/13/09	Opening for 57 hours until 9:00 PM 7/15 • Mainland District (except the Wide Bay Section which is closed and Cape Igvak Section which is open until 12:01 AM 7/13)
		NOON 7/13/09	Closed Water Adjustments Increased until 9:00 PM July 17: • Thorshiem Bay Reduced until further notice at: • Hearst Creek • Saltery Creek

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E.O. #	Issued	Effective	Action in Effect
14 (cont.)			Open until further notice • Duck Bay Section • SBSHA • Inner Ugak Bay Section
15	10:00 AM 7/12/09	12:01 AM 7/13/09	Extension for 48 hours until 12:01 AM 7/15: • Cape Igvak Section Closed Water Adjustments Reduced until further notice at: • Hearst Creek • Saltery Creek Open until further notice • Duck Bay Section • SBSHA • Inner Ugak Bay Section
16	NOON 7/14/09	12:01 AM 7/15/09 6:00 AM 7/15/09	Extension for 24 hours until 12:01 AM 7/16: • Cape Igvak Section Opening in the Alitak District as follows: • Olga Bay Section from 6:00 am 7/15 to 9:00 am 7/18 • Moser Bay Section from noon 7/15 to 3:00 pm 7/18 • Alitak Bay Section from 6:00 pm 7/15 to 9:00 pm 7/18 • Cape Alitak Section from 6:00 AM 7/16 to 9:00 AM 7/19 Closed Water Adjustments Reduced until further notice at: • Hearst Creek • Saltery Creek Open until further notice • Duck Bay Section • SBSHA • Inner Ugak Bay Section
17	3:00 PM 7/15/09	9:00 PM 7/15/09	Closes at 9:00 PM 7/15: • seaward zones of the Northwest Afognak and Shuyak sections Closed Water Adjustments Reduced until further notice at: • Hearst Creek • Saltery Creek

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E.O. #	Issued	Effective	Action in Effect
17 (cont.)			Open until further notice • Duck Bay Section • SBSHA • Inner Ugak Bay Section
18	3:00 PM 7/17/09	9:00 AM 7/18/09	Extension of the current period in the Alitak District for 48 hours as follows: • Olga Bay Section from 9:00 AM 7/18 until 9:00 am 7/20 • Moser Bay Section from 3:00 PM 7/18 until 3:00 pm 7/20 • Alitak Bay Section from 9:00 PM 7/18 until 9:00 pm 7/20 • Cape Alitak Section from 9:00 AM 7/19 until 9:00 AM 7/21
		NOON 7/18/09	Opening until further notice: • Izhut Bay Section Closed Water Adjustments Reduced until further notice at: • Hearst Creek • Saltery Creek Open until further notice • Duck Bay Section • SBSHA • Inner Ugak Bay Section
19	10:30 AM 7/18/09	9:00 AM 7/20/09	Extension of the current period in the Alitak District for 24 hours as follows: • Olga Bay Section from 9:00 AM 7/20 until 9:00 am 7/21 • Moser Bay Section from 3:00 PM 7/20 until 3:00 pm 7/21 • Alitak Bay Section from 9:00 PM 7/20 until 9:00 pm 7/21 • Cape Alitak Section from 9:00 AM 7/21 until 9:00 AM 7/22
		NOON 7/20/09	Opening for 105 hours until 9:00 PM 7/24: • Northwest District (except the Kizhuyak Bay Section which remains closed and the SPSHA which remains open until further notice) • Afognak District (except the seaward zones of the Northwest Afognak and Shuyak sections and the Inner Kitoi Bay. and Outer Kitoi Bay. sections which remain closed the Duck Bay Sections which is open until further notice and the Izhut Bay Section which opens at NOON 7/18 until further notice) • Outer Chiniak and Monaska/Mill Bay sections • Eastside Kodiak District (except the Inner Ugak Bay Section which is open until further notice)

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E.O. #	Issued	Effective	Action in Effect
19 (cont.)		NOON 7/20/09	Opening for 57 hours until 9:00 PM 7/22 • Mainland District (except the seaward zones of the Dakavak Bay, Outer Kukak, Hallo Bay and Big River sections and the Cape Igvak and Wide Bay sections which remain closed) • Outer Ayakulik and Halibut Bay sections Effective until 9:00 PM 7/22 nonretention of Chinook salmon: • Outer Ayakulik Section
		NOON 7/13/09	Closed Water Adjustments Increased until 9:00 PM July 24: • Thorshiem Bay Reduced until further notice at: • Hearst Creek • Saltery Creek Open until further notice • Duck Bay Section • SBSHA • Inner Ugak Bay Section
20	11:00 AM 7/20/09	12:01 AM 7/22/09	Opening for 48 hours until 12:01 AM 7/24 • Cape Igvak Section Closed Water Adjustments Reduced until further notice at: • Hearst Creek • Saltery Creek Open until further notice • Duck Bay and Izhut Bay sections • SBSHA • Inner Ugak Bay Section
21	2:00 PM 7/23/09	9:00 PM 7/24/09	Extension for 72 hours until 9:00 PM 7/27: • Northwest District (except the Kizhuyak Bay Section which remains closed and the SPSHA which remains open until further notice) • Southwest Afognak Section • Monashka/Mill Bay and Outer Chiniak sections
		12:01 AM 7/24/09	Extension for 48 hours until 12:01 AM 7/26: • Cape Igvak Section

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E.O. #	Issued	Effective	Action in Effect
21 (cont.)		9:00 PM 7/24/09	Closes until further notice • Duck Bay and Izhut Bay sections Closed Water Adjustments Reduced until further notice at: • Hearst Creek • Saltery Creek Open until further notice • SBSHA • Inner Ugak Bay Section
22	11:00 AM 7/26/09	9:00 PM 7/27/09	Extension for 96 hours until 9:00 PM 7/31: • Northwest District (except the Kizhuyak Bay Section which remains closed and the SPSHA which remains open until further notice) • Southwest Afognak Section • Monashka/Mill Bay and Outer Chiniak sections
		12:01 AM 7/26/09	Extension for 83 hours until 9:00 PM 7/29: • Cape Igvak Section
		NOON 7/27/09	Opening for 105 hours until 9:00 PM 7/31: • Humpy-Deadman Section • Afognak District (except the Inner Kitoi Bay and Outer Kitoi Bay sections which remain closed and the Duck Bay and Izhut Bay sections which is close at 9:00 PM July 25 and the Southwest Afognak Section which is already open) • Inner Chiniak Bay Section • Eastside Kodiak District (except the Inner Ugak Bay Section which is open until further notice) • Kizhuyak Bay Section Closed Water Adjustments Reduced until further notice at: • Hearst Creek • Saltery Creek Open until further notice • SBSHA • Inner Ugak Bay Section
23	11:15 AM 7/25/09	NOON 7/27/09	Opening for 57 hours until 9:00 PM 7/29 • Mainland District (except the Cape Igvak Section which open until 9:00 PM 7/29)

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E.O. #	Issued	Effective	Action in Effect
23 (cont.)			Closed Water Adjustments Reduced until further notice at: • Hearst Creek • Saltery Creek Open until further notice • SBSHA • Inner Ugak Bay Section
24	NOON 7/27/09	6:00 AM 7/28/09	Opening in the Alitak District as follows: • Olga Bay Section from 6:00 am 7/28 to 9:00 am 7/30 • Moser Bay Section from noon 7/28 to 3:00 PM 7/30 • Alitak Bay Section from 6:00 pm 7/28 to 9:00 PM 7/30 • Cape Alitak Section from 6:00 am 7/29 to 9:00 AM 7/31 Closed Water Adjustments Reduced until further notice at: • Hearst Creek • Saltery Creek Open until further notice • SBSHA • Inner Ugak Bay Section
25	5:00 PM 7/29/09	9:00 AM 7/30/09	Extension of the current period in the Alitak District for 72 hours as follows: • Olga Bay Section from 9:00 AM 7/29 until 9:00 am 8/2 • Moser Bay Sectionfrom 3:00 PM 7/29 until 3:00 pm 8/2 • Alitak Bay Section from 9:00 PM 7/29 until 9:00 pm 8/2 • Cape Alitak Section from 9:00 AM 7/30 until 9:00 AM 8/3 Closed Water Adjustments Reduced until further notice at: • Hearst Creek • Saltery Creek Open until further notice • SBSHA • Inner Ugak Bay Section
26	10:00 AM 7/30/09	9:00 PM 7/31/09	Extension for 168 hours until 9:00 PM 8/7: • Northwest District (except the SPSHA which remains open until further notice) • Afognak District (except the Inner Kitoi Bay, Outer Kitoi Bay, Izhut By and Duck Bay sections which remain closed)

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E.O. #	Issued	Effective	Action in Effect
26 (cont.)			• Northeast Kodiak District (except the Buskin river section which remains closed) • Humpy-Deadman Section Closed Water Adjustments Reduced until further notice at: • Hearst Creek • Saltery Creek Open until further notice • SBSHA • Inner Ugak Bay Section
27		NOON 8/3/09	Opening for 57 hours until 9:00 PM 8/5: • Mainland District • Outer Ayakulik and Halibut Bay sections
		NOON 8/3/09	Opening for 105 hours until 9:00 PM 8/7: • Eastside Kodiak District (except the Inner Ugak Bay Section which is open until further notice) • Outer Ayakulik and Halibut Bay sections
		9:00 AM 8/2/09	Extension of the current period in the Alitak District for 168 hours as follows: • Olga Bay Section until 9:00 AM 8/9 • Moser Bay Section until 3:00 PM 8/9 • Alitak Bay Section until 9:00 PM 8/9 • Cape Alitak Section until 9:00 AM 8/10 Closed Water Adjustments Reduced until further notice at: • Hearst Creek • Saltery Creek Open until further notice • SBSHA • Inner Ugak Bay Section
28	NOON 8/3/09	NOON 8/4/09	Opening for 81 hours until 9:00 PM 8/7: • Buskin River Section Closed Water Adjustments Reduced until further notice at: • Hearst Creek • Saltery Creek

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E.O. #	Issued	Effective	Action in Effect
28 (cont.)			Open until further notice • SBSHA • Inner Ugak Bay Section
29	11:30 AM 8/4/09	NOON 8/5/09	Opening for 57 hours until 9:00 PM 8/7: • Inner Ayakulik Section
		9:00 PM 8/5/09	Extension for 48 hours until 9:00 PM 8/7: • Outer Ayakulik Section • Mainland District
		NOON 8/5/09	Closed Water Adjustments Increased until 9:00 PM 8/7 • Ayakulik River Reduced until further notice at: • Hearst Creek • Saltery Creek
			Open until further notice • SBSHA • Inner Ugak Bay Section
30	11:00 AM 8/5/09	NOON 8/6/09	Opening for 57 hours until 9:00 PM 8/8: • Duck Bay Section
			Closed Water Adjustments Reduced until further notice at: • Hearst Creek • Saltery Creek
			Open until further notice • SBSHA • Inner Ugak Bay Section
31	5:00 PM 8/6/09	9:00 PM 8/7/09	Extension for 192 hours until 9:00 PM 8/15: • Northwest District (except the SPSHA which remains open until further notice) • Seven Rivers, Two Headed and Outer Ugak Bay sections • Northeast Kodiak District • Humpy-Deadman Section

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E.O. #	Issued	Effective	Action in Effect
31 (cont.)			Closed Water Adjustments Increased until further notice at: • Hearst Creek • Saltery Creek Open until further notice • SBSHA • Inner Ugak Bay Section
32	NOON 8/7/09	9:00 PM 8/8/09	Extension until further notice: • Duck Bay Section
		NOON 8/8/09	Opening until further notice: • that portion of the Izhut Bay Section north of a line from Haystack Rock to Pillar Cape Closed Water Adjustments Increased until further notice at: • Hearst Creek • Saltery Creek Open until further notice • SBSHA • Inner Ugak Bay Section
33	11:30 AM 8/9/09	NOON 8/10/09	Opening for 133 hours until 9:00 PM 8/15: • Southeast Afognak, Northwest Afognak, Northeast Afognak, Southwest Afognak, Raspberry Strait and Perenosa Bay sections • Sitkalidak Section
		9:00 PM 8/15/09	Closes until further notice • SPSHA Closed Water Adjustments Increased until further notice at: • Hearst Creek • Saltery Creek Open until further notice • Inner Ugak Bay Section • Duck Bay Section • that portion of the Izhut Bay Section north of a line from Rock to Pillar Cape

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E.O. #	Issued	Effective	Action in Effect
34	6:00 PM 8/10/09	9:00 PM 8/15/09	Extension until further notice: • Humpy-Deadman Section
		NOON 8/11/09	Closed Water Adjustments Reduced until further notice at: • Deadman Bay • Humpy Cove Increased until further notice at: • Hearst Creek • Saltery Creek
			Open until further notice • Inner Ugak Bay Section • Duck Bay Section • that portion of the Izhut Bay Section north of a line from • Haystack Rock to Pillar Cape
35	11:30 AM 8/13/09	NOON 8/14/09	Open until further notice: • That portion of the Izhut Bay Section south of a line from Haystack Rock to Pillar Cape
		NOON 8/14/09	Opening for 6 hours until 6:00 PM 8/14: • Outer Kitoi Bay Section
			Closed Water Adjustments Reduced until further notice at: • Deadman Bay • Humpy Cove Increased until further notice at: • Hearst Creek • Saltery Creek
			Open until further notice • Inner Ugak Bay Section • Duck Bay Section • Humpy-Deadman Section • that portion of the Izhut Bay Section north of a line from Haystack Rock to Pillar Cape
36	11:30 AM 8/14/09	NOON 8/16/09	Opening for 3 hours until 3:00 PM 8/16: • Inner Kitoi Bay Section
			Extension until 3:00 PM 8/16 • Outer Kitoi Bay Section

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E.O. #	Issued	Effective	Action in Effect
36 (cont.)			Extension until further notice: • Northeast Kodiak District • Eastside Kodiak District (except the Inner Ugak Bay Section which is already open until further notice) • Southeast Afognak, Northwest Afognak, Northeast Afognak, Raspberry Strait and Perenosa Bay sections Opening for 78 hours until 6:00 PM 8/18: • Inner Ayakulik and Outer Ayakulik sections Closed Water Adjustments Increased until 6:00 PM 8/18 • Ayakulik River Reduced until further notice at: • Deadman Bay • Humpy Cove Increased until further notice at: • Hearst Creek • Saltery Creek Open until further notice • Inner Ugak Bay Section • Duck Bay and Izhut Bay sections • Humpy-Deadman Section
37	9:30 AM 8/15/09	6:00 AM 8/16/09	Opening in the Alitak District as follows: • Olga Bay Section from 6:00 AM 8/16 to 9:00 AM 8/18 • Moser Bay Section from NOON 8/16 to 3:00 PM 8/18 • Alitak Bay Section from 6:00 PM 8/16 to 9:00 PM 8/18 • Cape Alitak Section from 6:00 AM 8/17 to 9:00 AM 8/19
		NOON 8/17/09	Opening for 102 hours until 6:00 PM 8/21 • Mainland District (except the Inner Kukak Bay Section which remains closed) Closed Water Adjustments Reduced until further notice at: • Deadman Bay • Humpy Cove Increased until further notice at: • Hearst Creek • Saltery Creek

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E.O. #	Issued	Effective	Action in Effect
37 (cont.)			Open until further notice • Northeast Kodiak District • Eastside Kodiak District • Duck Bay, Izhut Bay, Southeast Afognak, Northwest Afognak, Northeast Afognak, Raspberry Strait and Perenosa Bay sections • Humpy-Deadman Section
38	9:30 AM 8/17/09	9:00 AM 8/18/09	Extension of the current period in the Alitak District for 48 hours as follows: • Olga Bay Section from 9:00 AM 8/18 until 9:00 AM 8/20 • Moser Bay Section from 3:00 PM 8/18 until 3:00 PM 8/20 • Alitak Bay Section from 9:00 PM 8/18 until 9:00 PM 8/20 • Cape Alitak Section from 9:00 AM 8/21 until 9:00 AM 8/21
		6:00 PM 8/18/09	Extension for 72 hours until 6:00 pm 8/21: • Inner Ayakulik and Outer Ayakulik sections
		6:00 PM 8/18/09	Closed Water Adjustments Increased until 6:00 pm 8/21 • Ayakulik River Reduced until further notice at: • Deadman Bay • Humpy Cove Increased until further notice at: • Hearst Creek • Saltery Creek Open until further notice • Northeast Kodiak District • Eastside Kodiak District • Duck Bay, Izhut Bay, Southeast Afognak, Northwest Afognak, Northeast Afognak, Raspberry Strait and Perenosa Bay sections • Humpy-Deadman Section
39	NOON 8/17/09	NOON 8/18/09	Closes until further notice • that portion of the Izhut Bay Section south of a line from Haystack Rock to Pillar Cape
		6:00 PM 8/18/09	Closed Water Adjustments Increased until 6:00 PM 8/21 • Ayakulik River Reduced until further notice at: • Deadman Bay • Humpy Cove

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E.O. #	Issued	Effective	Action in Effect
39 (cont)			Increased until further notice at: • Hearst Creek • Saltery Creek Open until further notice • Northeast Kodiak District • Eastside Kodiak District • Duck Bay, Southeast Afognak, Northwest Afognak, Northeast Afognak, Raspberry Strait and Perenosa Bay sections that portion of the Izhut Bay Section north of a line from Haystack Rock to Pillar Cape • Humpy-Deadman Section
40	9:30 AM 8/19/09	9:00 AM 8/20/09	Extension of the current period in the Alitak District for 48 hours as follows: • Olga Bay Section from 9:00 AM 8/20 until 9:00 AM 8/22 • Moser Bay Section from 3:00 PM 8/20 until 3:00 PM 8/22 • Alitak Bay Section from 9:00 PM 8/20 until 9:00 PM 8/22 • Cape Alitak Section from 9:00 AM 8/21 until 9:00 AM 8/23
		6:00 PM 8/21/09	Extension until further notice: • Inner Ayakulik and Outer Ayakulik sections Closed Water Adjustments Increased until further notice • Ayakulik River Reduced until further notice at: • Deadman Bay • Humpy Cove Increased until further notice at: • Hearst Creek • Saltery Creek Open until further notice • Northeast Kodiak District • Eastside Kodiak District • Duck Bay, Southeast Afognak, Northwest Afognak, Northeast Afognak, Raspberry Strait and Perenosa Bay sections that portion of the Izhut Bay Section north of a line from • Haystack Rock to Pillar Cape • Humpy-Deadman Section
41	NOON 8/20/09	NOON 8/21/09	Closes until further notice • that portion of the Izhut Bay Section north of a line from Haystack Rock to Pillar Cape

-continued-

E.O. #	Issued	Effective	Action in Effect
41 (cont)			Closed Water Adjustments Reduced until further notice at: • Deadman Bay • Humpy Cove Increased until further notice at: • Hearst Creek • Saltery Creek • Ayakulik River Open until further notice • Northeast Kodiak District • Eastside Kodiak District • Duck Bay, Southeast Afognak, Northwest Afognak, Northeast Afognak, Raspberry Strait and Perenosa Bay sections • Humpy-Deadman Section • Inner Ayakulik and Outer Ayakulik sections
42	11:00 AM 8/24/09	NOON 8/25/09	Closes until further notice • Duck Bay Section Closed Water Adjustments Reduced until further notice at: • Deadman Bay • Humpy Cove Increased until further notice at: • Hearst Creek • Saltery Creek • Ayakulik River Open until further notice • Northeast Kodiak District • Eastside Kodiak District • Southeast Afognak, Northwest Afognak, Northeast Afognak, Raspberry Strait and Perenosa Bay sections • Humpy-Deadman Section • Inner Ayakulik and Outer Ayakulik sections Reduced until further notice at: • Humpy Cove Increased until further notice at: • Hearst Creek • Saltery Creek • Ayakulik River

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E.O. #	Issued	Effective	Action in Effect
43 (cont)			Open until further notice • Northeast Kodiak District • Eastside Kodiak District • Southeast Afognak, Northwest Afognak, Northeast Afognak, Raspberry Strait and Perenosa Bay sections • Humpy-Deadman Section • Inner Ayakulik and Outer Ayakulik sections
44	11:30 AM 8/28/09	NOON 8/29/09	Open until further notice • Duck Bay, Izhut Bay and Pauls Bay sections Closed Water Adjustments Reduced until further notice at: • Humpy Cove Increased until further notice at: • Hearst Creek • Saltery Creek • Ayakulik River • Deadman Bay Open until further notice • Northeast Kodiak District • Eastside Kodiak District • Southeast Afognak, Northwest Afognak, Northeast Afognak, Raspberry Strait and Perenosa Bay sections • Humpy-Deadman Section • Inner Ayakulik and Outer Ayakulik sections
45	2:30 PM 8/30/09	NOON 8/31/09	Opening for 54 hours until 6:00 PM 9/2 • Inner Uganik Bay Section Closed Water Adjustments Reduced until further notice at: • Humpy Cove • Ayakulik River • Deadman Bay Increased until further notice at: • Hearst Creek • Saltery Creek

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E.O. #	Issued	Effective	Action in Effect
45 (cont)			Open until further notice • Northeast Kodiak District • Eastside Kodiak District • Afognak District (except the Southwest Afognak, Inner Kitoi Bay, Outer Kitoi Bay and Shuyak sections which remain closed) • Humpy-Deadman Section
46	10:00 AM 8/31/09	NOON 9/1/09	Open until further notice • Outer Kitoi Bay Section Closed Water Adjustments Reduced until further notice at: • Humpy Cove Increased until further notice at: • Hearst Creek • Saltery Creek • Ayakulik River • Deadman Bay Open until further notice • Northeast Kodiak District • Eastside Kodiak District • Afognak District (except the Southwest Afognak, Inner Kitoi Bay, and Shuyak sections which remain closed and Outer Kitoi Bay Section which opens at NOON on 9/1 until further notice) • Humpy-Deadman Section • Inner Ayakulik and Outer Ayakulik sections
47	10:00 AM 9/3/09	6:00 AM 9/4/09	Opening in the Alitak District as follows: • -Olga Bay Section from 6:00 AM 9/4 to 9:00 AM 9/7 • -Moser Bay Section from NOON 9/4 to 3:00 PM 9/7 • -Alitak Bay Section from 6:00 PM 9/4 to 9:00 PM 9/7 • -Cape Alitak Section from 6:00 AM 9/5 to 9:00 AM 9/8 Closed Water Adjustments Reduced until further notice at: • Humpy Cove Increased until further notice at: • Hearst Creek • -Saltery Creek • -Ayakulik River • -\Deadman Bay

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E.O. #	Issued	Effective	Action in Effect
47 (cont)			Open until further notice • Northeast Kodiak District • Eastside Kodiak District • Afognak District (except the Southwest Afognak, Inner Kitoi Bay, and Shuyak sections which remain closed) • Humpy-Deadman Section • Inner Ayakulik and Outer Ayakulik sections
48	5:00 PM 9/5/09	6:00 PM 9/6/09	Closes until further notice • Outer Kitoi Bay Section
		6:00 PM 9/5/09	Closed Water Adjustments Increased until further notice at: • Gull Cape Lagoon Reduced until further notice at: • Humpy Cove Increased until further notice at: • Hearst Creek • Saltery Creek • Ayakulik River • Deadman Bay
			Open until further notice • Northeast Kodiak District • Eastside Kodiak District • Afognak District (except the Southwest Afognak, Inner Kitoi Bay, and Shuyak sections which remain closed and the Outer Kitoi Bay Section which closes 6:00 PM 9/6) • Humpy-Deadman Section • Inner Ayakulik and Outer Ayakulik sections
49	9:30 AM 9/6/09	9:00 AM 9/7/09	Extension of the current opening in the Alitak District for 48 hours as follows: • Olga Bay Section from 9:00 AM 9/7 until 9:00 AM 9/9 • Moser Bay Section from 3:00 PM 9/7 until 3:00 PM 9/9 • Alitak Bay Section from 9:00 PM 9/7 until 9:00 PM 9/9 • Cape Alitak Section from 9:00 AM 9/8 until 9:00 AM 9/10 Closed Water Adjustments Reduced until further notice at: • Humpy Cove Increased until further notice at: • Hearst Creek • Saltery Creek

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E.O. #	Issued	Effective	Action in Effect
49 (cont)			• Ayakulik River • Deadman Bay • Gull Cape Lagoon <u>Open</u> until further notice • Northeast Kodiak District • Eastside Kodiak District • Afognak District (except the Southwest Afognak, Inner Kitoi Bay, and Shuyak sections which remain closed and the Outer Kitoi Bay Section which closes 6:00 PM 9/6) • Humpy-Deadman Section • Inner Ayakulik and Outer Ayakulik sections
50	2:00 PM 9/8/09	NOON 9/9/09	<u>Open</u> until further notice • Outer Kitoi Bay Section <u>Closed Water Adjustments</u> <u>Reduced</u> until further notice at: • Humpy Cove <u>Increased</u> until further notice at: • Hearst Creek • Saltery Creek • Ayakulik River • Deadman Bay • Gull Cape Lagoon <u>Open</u> until further notice • Northeast Kodiak District • Eastside Kodiak District • Afognak District (except the Southwest Afognak, Inner Kitoi Bay, and Shuyak sections which remain closed and Outer Kitoi Bay Section which opens at NOON 9/9) • Humpy-Deadman Section • Inner Ayakulik and Outer Ayakulik sections
51	9:00 AM 9/12/09	6:00 AM 9/14/09	<u>Opening</u> in the Alitak District as follows: • Olga Bay Section from 6:00 AM 9/14 until further notice • Moser Bay Section from NOON 9/14 until further notice • Alitak Bay Section from 6:00 PM 9/14 until further notice • Cape Alitak Section from 6:00 AM 9/15 until further notice

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E.O. #	Issued	Effective	Action in Effect
51 (cont)			Closed Water Adjustments
		6:00 PM 9/13/09	Increased until further notice at: • Sitkalidak Strait
		6:00 PM 9/13/09	Reduced until further notice at: • Ayakulik River
			Reduced until further notice at: • Humpy Cove
			Increased until further notice at: • Hearst Creek • Saltery Creek • Deadman Bay • Gull Cape Lagoon
			Open until further notice • Northeast Kodiak District • Eastside Kodiak District • Afognak District (except the Southwest Afognak, Inner Kitoi Bay, and Shuyak sections which remain closed) • Humpy-Deadman Section • Inner Ayakulik and Outer Ayakulik sections

APPENDIX C. CAPE IGVAK FISHERY SUMMARY

Appendix C1.–Narrative account of the Cape Igvak sockeye salmon fishery in the Kodiak Management Area, 2009.

Introduction

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

In 1978, a specific management plan for the Cape Igvak Section was adopted by the BOF. The Cape Igvak Salmon Management Plan (CISMP; 5 AAC 18.360) covered the time period from the start of the season through July 25 for fishing activity in the Cape Igvak Section of the Mainland District. This management plan stipulated that 80% of the sockeye salmon harvest from the Cape Igvak Section during this period would be considered Chignik bound. In 2002, the BOF modified the CISMP such that 90% of the Cape Igvak Section sockeye salmon catch was now considered to be Chignik bound. The CISMP allows the KMA fleet to harvest up to 15% of the Chignik-bound sockeye salmon harvest[1]. The CISMP also stipulated strict allocative and biological requirements. Through July 25 in Chignik, a minimum harvest of 600,000 sockeye salmon must be expected (300,000 each for both the early and late run), and sockeye salmon escapement must be at desired levels for a harvest to be allowed. Commercial fisheries had to begin in the CMA before fisheries were allowed in the Cape Igvak Section (Wadle and Dinnocenzo 2009).

Since this plan was adopted in 1978, the catch of Chignik-bound sockeye salmon from the Cape Igvak Section has ranged from 0% to 17.9% of the total Chignik sockeye salmon harvest (Appendix C3) and has averaged 10.3% of the total CMA sockeye salmon harvest (Appendix C4). The Cape Igvak harvest has met or exceeded the 15% allocation level in only 7 of the 30 years the plan has been in place (Appendices C3 and C4).

2009 Cape Igvak Fishery

Early Run

The 2009 preseason forecast for the Chignik system predicted a return of approximately 846,000 early-run (Black Lake) sockeye salmon. The early-run escapement goal is 350,000 to 400,000 sockeye salmon by July 4 (Witteveen et al. 2007). This left a forecasted harvestable surplus of 496,000 early-run sockeye salmon (Volk et al. 2009).

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

The actual run was about as strong as forecast but late and although the early run had sufficient strength to achieve adequate escapement, it was not apparent inseason that the regulatory threshold of 300,000 fish would be harvested in the CMA by July 9. Ultimately the early run produced enough fish to achieve escapement (391,476 fish) and a harvest of over 496,000 fish. The CMA harvest occurred very suddenly late in the normal early-run season. The Cape Igvak fishery was not opened due to conservation concern for the late-run sockeye salmon run.

Late Run

The preseason forecast for late-run (Chignik Lake) sockeye salmon was approximately 535,000 fish in 2009. The late-run escapement objective was 250,000 to 400,000 sockeye salmon (Witteveen et al. 2007). This resulted in a forecasted harvestable surplus of 285,000 sockeye salmon (Volk et al. 2009).

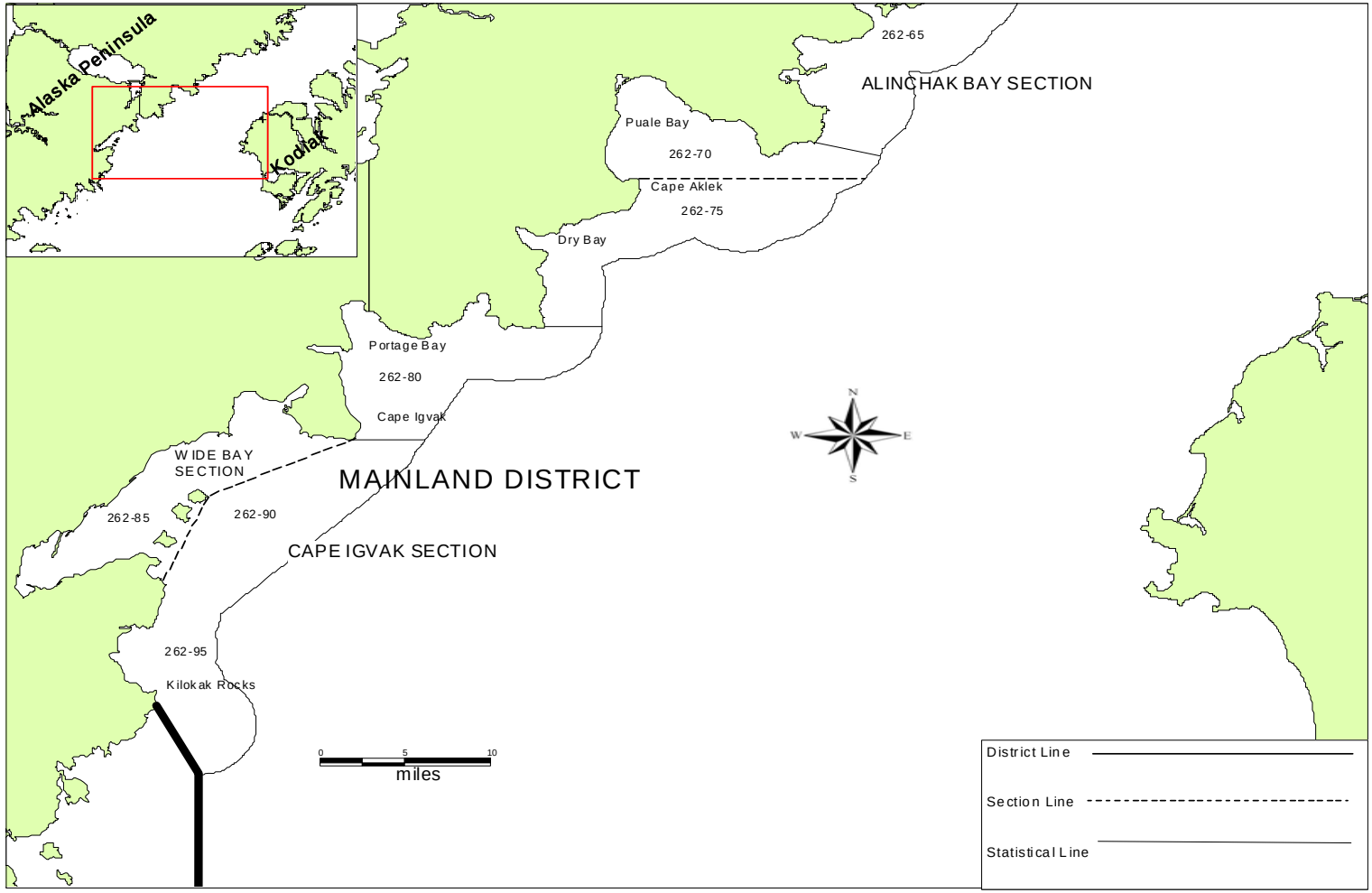
The actual late run started out stronger than forecast and the allocative criteria necessary to allow a Cape Igvak fishery were met. With the harvest at Chignik expected to be more than 600,000 fish and more than 300,000 already harvested by July 9, a fishing period was established beginning on July 9 initially for 48 hours but was subsequently extended (3 extensions) through July 15 at which time the cumulative harvest of Chignik-bound sockeye salmon was approaching the 15 % allocation and a closure at Chignik was imminent due to a slowdown in the escapement rate at the Chignik weir. The slowed rate of escapement was temporary and the Chignik fishery reopened on July 21 and Cape Igvak reopened on July 23 and stayed open for the remainder of the season when the Cape Igvak management plan was in effect (July 25). At the end of the Cape Igvak season, the cumulative harvest of Chignik-bound sockeye salmon was 126,968 fish or 12.12% of the total Chignik sockeye salmon harvest (Appendix C3).

REFERENCES CITED

Volk, E. C., M. D. Plotnick and A. M. Carroll. 2009. Run forecasts and harvest projections for the 2009 Alaska salmon fisheries and review of the 2008 season. Alaska Department of Fish and Game, Special Publication No. 09-07, Anchorage.

Wadle, J.and J. Dinnocenzo. 2009. Kodiak management area harvest strategy for the 2009 commercial salmon fishery. Alaska Department of Fish and Game, Fisheries Management Report No.09-19, Anchorage.

Witteveen M.,J., H. Finkle, J. J. Hasbrouck, and I. Vining. 2007. Review of salmon escapement goals in the Chignik Management Area, 2007. Alaska Department of Fish and Game, Fishery Manuscript No. 07-09, Anchorage.



Appendix C2.–Map of the Cape Igvak Section of the Kodiak Management Area, 2009.

Appendix C3.–Harvest of sockeye salmon considered to be Chignik bound in the Chignik, Cape Igvak, and Southeastern District Mainland commercial salmon fisheries, from 1978-2009.

	Chignik		Cape Igvak[a]		Southeastern District Mainland[a]		
Year	Catch[b]	Percent	Catch[b]	Percent	Catch[b]	Percent	Total
1978[c,d]	1,454,389	86.60	225,078	13.40	N/A	N/A	1,679,467
1979[e]	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[f]	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	[g]	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[h]	1,962,583	80.45	324,195	13.29	152,714	6.26	2,439,492
1992[i]	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[j]	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[k]	1,710,249	79.70	308,327	14.37	127,201	5.93	2,145,777
1997	443,892	100.00	[g]	0.00	[g]	0.00	443,892
1998[l]	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[m]	1,134,991	79.41	215,214	15.06	79,037	5.53	1,429,242
2002[n]	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	601,213	91.97	52,527	8.03	[g]	0.00	653,740
2008	455,199	100.00	[g]	0.00	[g]	0.00	455,199
2009	871,890	83.26	126,968	12.12	48,322	4.61	1,047,180

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

[b] Catch numbers were last generated from the ADF&G computerized historical fish ticket database in 2009.

[c] Beginning in 1978, the Cape Igvak Salmon Management Plan allocated up to 15% of the total catch of Chignik-bound sockeye salmon to Kodiak Management Area fishermen.

[d] 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.

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

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

[g] No fishery

[h] Includes over-escapement of 208,305 sockeye salmon, counted through the Chignik weir during a Chignik Area seiners strike (June 23 to July 4).

[i] Beginning in 1992, after Board of Fisheries review of historical records, the allocation of Chignik-bound sockeye salmon to the Southeastern District Mainland fishery (excluding Orzinzki Bay) was increased to 7.0%, through July 25.

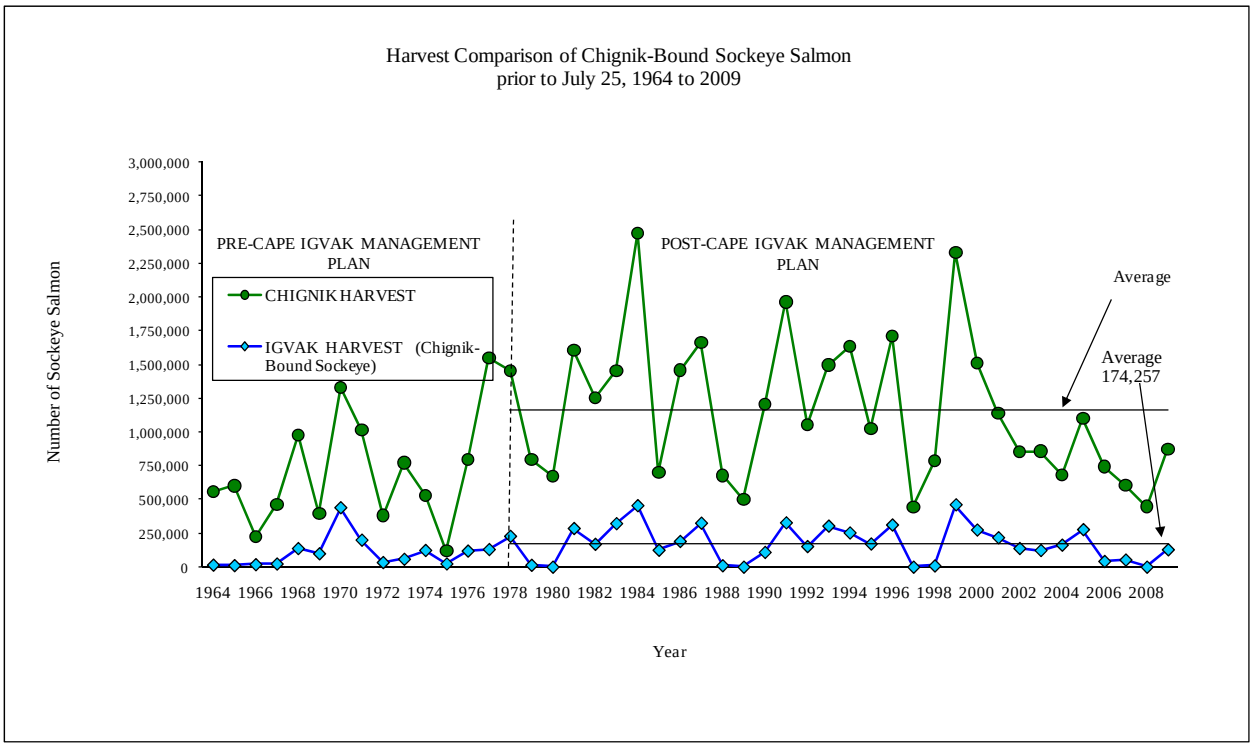
[j] Includes over-escapement of 208,921 sockeye salmon, counted through the Chignik weir during a Chignik Area seiners strike (June 2 to June 25).

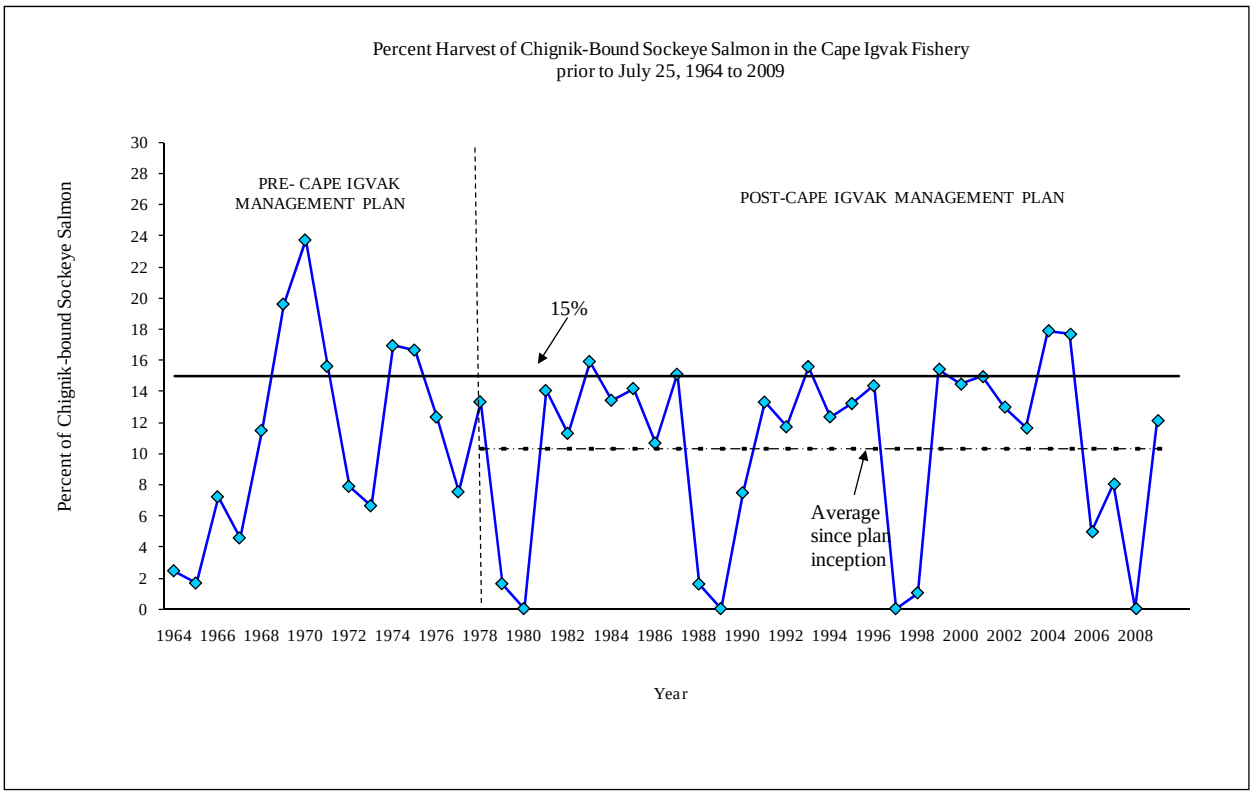
[k] In January 1996, the BOF increased the area managed for local Orzinski Lake sockeye salmon from only Orzinski Bay to the entire Northwest Stepovak Section. Prior to July 1 the entire Northwest Stepovak Section will be managed by allocation based on Chignik sockeye salmon run strength. Beginning July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

[l] Includes 7,714 sockeye salmon caught on June 18 by the Chignik Seiners Association (CSA), and an over escapement of 52,131 sockeye salmon counted past the weir during the CSA boycott (June 16 to June 29).

[m] Includes 176,605 sockeye salmon caught June 16-29 by the CSA, and foregone harvest due to over-escapement of 398,887 in the CMA and 27,896 in the Southeast District Mainland during the fishermen's strike (June 14 to July 2).

[n] In 2002, the Board of Fisheries changed the regulations such that 90% (up from 80%) of the sockeye salmon harvested in the Cape Igvak Section through July 25 are to be considered Chignik bound.





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

Appendix C5.–Purse seine daily harvest, by species, for the Cape Igvak sockeye salmon fishery, 2009.

			Chinook		Sockeye		Coho		Pink		Chum	
Date	Permits	Landings	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
First Period (July 9-July 15)												
7/9/09	22	22	319	2,826	23,909	149,146	1,030	6,793	115,752	338,858	9,797	60,450
7/10/09	22	22	322	3,270	25,222	163,964	479	3,272	70,402	204,011	9,217	72,264
7/11/09	21	21	208	2,026	21,317	138,013	623	4,254	27,138	81,284	8,168	59,186
7/12/09	25	25	199	1,636	18,293	119,622	972	6,600	24,040	67,586	7,886	61,287
7/13/09	15	15	66	569	14,366	94,017	710	4,714	25,492	70,043	6,965	49,883
7/14/09	15	17	70	703	14,578	88,653	513	3,507	17,624	52,522	6,941	47,638
7/15/09	15	15	153	1,315	10,927	71,413	1,492	10,835	23,840	71,732	5,410	37,911
Subtotal	26	137	1,337	12,345	128,612	824,828	5,819	39,975	304,288	886,036	54,384	388,619
Second Period (July 22-25)												
7/23/09	5	5	8	161	5,002	31,798	547	4,883	10,904	36,977	1,649	12,914
7/24/09	6	6	10	95	7,462	45,171	897	5,541	10,010	32,043	1,325	9,289
Subtotal	7	11	18	256	12,464	76,969	1,444	10,424	20,914	69,020	2,974	22,203
Season total	28	148	1,355	12,601	141,076	901,797	7,263	50,399	325,202	955,056	57,358	410,822
Avg.Wt.				9.3		6.4		6.9		2.9		7.2

APPENDIX D. ALITAK DISTRICT FISHERY SUMMARY

Appendix D1.–Narrative account of the Alitak District salmon fishery in the Kodiak Management Area, 2009.

Introduction

The Alitak District (AD) fishery is unique in the Kodiak Management Area (KMA) because set gillnet and seine gear can both fish in this district, but are segregated by sections. Set gillnets are allowed only in the inside waters of the Alitak Bay, Moser Bay, and Olga Bay sections, while seine gear is limited to the outer waters of the Cape Alitak and Humpy-Deadman sections until September 5 (5 AAC 18.330 (d)(2); Appendix D2). Prior to the mid-1980s, various strategies were applied in the AD to conserve and build the sockeye salmon stocks returning to the Frazer, Akalura, and Upper Station systems, while offering some protection to local pink, chum, and coho salmon stocks. In the fall of 1987, the existing harvest strategy was formalized into a regulatory management plan, and was adopted by the Alaska Board of Fisheries (BOF; 5AAC 18.361). This plan details the key species and targeted stocks that are managed for in each section of the district throughout the fishing season. The stated intent of this plan is that salmon be harvested in the "traditional" fisheries located in the Cape Alitak, Humpy-Deadman, Alitak Bay, Moser Bay, and Olga Bay sections (Wadle and Dinnocenzo 2009).

This management plan has been in effect since 1988 and was most recently revised by the BOF in 2005. The BOF divided the former Moser-Olga Bay and Alitak Bay sections into three separate sections: Olga Bay, Moser Bay, and Alitak Bay. Each section was given a specific statistical area number. The initial commercial fishing period remained a 33-hour, commercial test fishery, for the entire AD (Wadle and Dinnocenzo 2009). However, through September 15, all subsequent commercial salmon fisheries in the Cape Alitak Section and the new Alitak Bay, Moser Bay, and Olga Bay sections have staggered opening and closing times according to regulation (5 AAC 18.361(c)). Also, from the conclusion of the test fishing period until September 15, there shall be a minimum closure of 69 consecutive hours in every 10-day period, to apply to each section individually as each section closes, unless the department determines that the sockeye salmon escapement goals will be achieved for both the Frazer and Upper Station sockeye salmon runs.

2009 Alitak Fishery

The 2009 total run forecast for the Frazer Lake system was 401,000 sockeye salmon (Volk et al. 2009), with an estimated harvestable surplus of approximately 263,000 sockeye salmon. The total run forecast for Upper Station early run was 104,000 sockeye salmon, with an estimated harvestable surplus of approximately 56,000 sockeye salmon (Volk et al. 2009).

A 33-hour commercial salmon test fishing period was tentatively scheduled for June 9 in the AD (Wadle and Dinnocenzo 2009). Normally, the Upper Station early-run sockeye salmon has earlier run timing than the Frazer system. The intent of the early opening was to allow commercial fishermen the opportunity to harvest Upper Station early-run sockeye salmon prior to the Frazer Lake system sockeye salmon peak run timing. In 2009, however, the sockeye salmon run to the Upper Station system began later than normal and cumulative escapement was below the desired range on June 5. Also at that time, no sockeye salmon had passed Dog Salmon weir, which was later than normal. A 33-hour test fishery was announced for June 9 and the subsequent harvest indicated an increasing abundance of sockeye salmon in the AD.

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Daily weir counts through the Upper Station weir increased following the announcement of the test fish opening, resulting in cumulative escapement consistently within desired ranges after June 6. Although few sockeye salmon had passed the Dog Salmon weir, several thousand were staging on Dog Salmon Flats (Appendix D2).

The build-up of sockeye salmon on Dog Salmon Flats started moving through Dog Salmon weir and by June 10 cumulative escapement had increased dramatically and fell within the desired range for that date. The fishery was reopened for 51 hours on June 12 and the resulting harvest indicated a declining abundance of sockeye salmon in the District and the fishery was not extended. Despite the harvest, cumulative escapements past Upper Station and Dog salmon weirs were still within desired in-season escapement ranges.

Both the Frazer and early-run Upper Station sockeye salmon runs proved to be moderately strong and four more fishing periods, two of which were of maximum length, were allowed.

Cumulative escapement into the Upper Station Lakes through July 15 was 34,585 sockeye salmon (Caldentey *in prep*), which was within the early Upper Station sustainable escapement goal (SEG) range (30,000 – 65,000 fish; Honnold et al. 2007).

The cumulative sockeye salmon escapement of Frazer Lake sockeye salmon through the Dog Salmon weir by July 15 was 111,068 fish (Caldentey 2010), which was within desired range for this date as well as annual escapement goal range (95,000 – 190,000 fish; Honnold et al. 2007).

The Alitak District Management Plan (ADMP; 5AAC 18.361) dictates that during odd-numbered years (as in 2009), from July 16 through August 9, commercial salmon fishing must be managed in the Cape Alitak, Moser, and Olga Bay sections based on either pink or sockeye salmon returns to the Frazer system.

The Frazer pink salmon run, like most of the KMA, was expected to be relatively strong. The pink salmon escapement at Dog Salmon weir was weak but by late July, a build-up of pink salmon was present on Dog Salmon Flats. Late-run sockeye salmon cumulative escapement past Dog Salmon weir continued to be strong and was tracking within the desired range of escapement even with relatively liberal fishing time.

After July 15, the Humpy-Deadman Section was managed based on the strength of salmon runs to local systems through season's end. Local pink streams in the Humpy-Deadman Section had a late but strong pink return resulting in continuous fishing beginning July 27 and a reduction in closed waters at the mouth of streams in Deadman Bay.

From August 10 through August 25 in odd numbered years, the Cape Alitak, Alitak Bay, Moser Bay and Olga Bay sections are managed based on conservation of late-run sockeye salmon run to Upper Station. The late-run Upper Station sockeye salmon run was forecast to produce a total run of 328,000 fish (Volk et al. 2009), of which approximately 142,000 of these fish were in excess of escapement needs. By August 10, the run was determined to be weak which resulted in an extended closure of the fishery. Almost immediately, escapement rates of sockeye salmon past Upper Station weir increased and by August 13, cumulative escapement was again within the desired range for this date. A fishing period was allowed starting August 15 which was extended through August 22. A 5-day closure followed in an attempt to increase sockeye salmon

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escapement to 186,000 fish, the middle of the escapement goal range (Honnold et al. 2007). Another fishing period was allowed beginning August 27. By this date it was apparent the Upper Station sockeye salmon run was dropping off quickly and, although the mid-range escapement goal would not be attained, the processors were about to quit buying fish. Allowing a short (3 day) fishing period provided opportunity for the small number of fishermen still present to harvest a few more fish.

The 2009 late-run Upper Station cumulative escapement was 161,736 sockeye salmon (Caldentey *in prep*), within the established SEG of 120,000 to 265,000 fish (Honnold et al. 2007).

Season Totals

In 2009, set gillnet harvest in the Olga Bay Section (statistical area 257-40), by 22 permit holders included 1 Chinook, 78,438 sockeye, 451 coho, 10,391 pink, and 1,206 chum salmon (Appendix D3). Set gillnet harvest in Moser Bay Section (statistical area 257-43) by 26 permit holders included 5 Chinook, 148,125 sockeye, 1,311 coho, 35,218 pink, and 1,845 chum salmon (Appendix D3). Set gillnet harvest in the Alitak Bay Section (statistical area 257-41) by 25 permit holders included 2 Chinook, 175,837 sockeye, 1,385 coho, 67,598 pink, and 4,546 chum salmon (Appendix D3).

In 2009, seine harvest in the Cape Alitak Section (statistical areas 257-10 and 20) by 38 permit holders included 178 Chinook, 168,931 sockeye, 3,556 coho, 990,642 pink, and 18,102 chum salmon (Appendix D4). Seine harvest in the Humpy-Deadman Section (statistical areas 257-50, 60 and 70) by 41 permit holders included 18 Chinook, 59,981 sockeye, 1,180 coho, 2,892,315 pink and 46,798 chum salmon (Appendix D4). No seine fishermen elected to fish in the Alitak Bay, Moser Bay, and Olga Bay sections when allowed by regulation starting September 5, mostly due to lack of tender service in the area.

Fifty purse seine permit holders fished in the AD fisheries, and harvested 196 Chinook (96% of the total AD Chinook harvest), 228,912 sockeye (36%), 4,736 coho (60%), 3,882,957 pink (97%), and 64,900 chum salmon (90%; Appendices D4, D5 and D6). Fifty-four gillnet permit holders fished in the AD, and harvested 8 Chinook (4%), 402,400 sockeye (64%), 3,147 coho (40%), 113,207 pink (3%), and 7,597 chum (10%) salmon (Appendices D3, D5 and D6).

Terminal harvest fisheries were not prosecuted in 2009 in the AD. There was no salmon harvest allowed in the Dog Salmon Flats Section (statistical area 257-42), the Inner and Outer Upper Station Section (statistical area 257-30) or the Akalura Section (statistical area 257-31).

The Frazer Lake escapement (counted through the Dog Salmon weir) equaled 147,798 sockeye salmon (Caldentey *in prep*; Table 4) of which 101,845 fish passed through the Frazer Lake fishpass, within the current escapement goal range of 75,000 to 170,000 fish (Honnold et al. 2007). The total sockeye salmon escapement into the Upper Station system was 196,321 fish (Caldentey *in prep*; Table 4) which was within the combined early and late-run escapement goals of 150,000 to 330,000 fish (Honnold et al. 2007).

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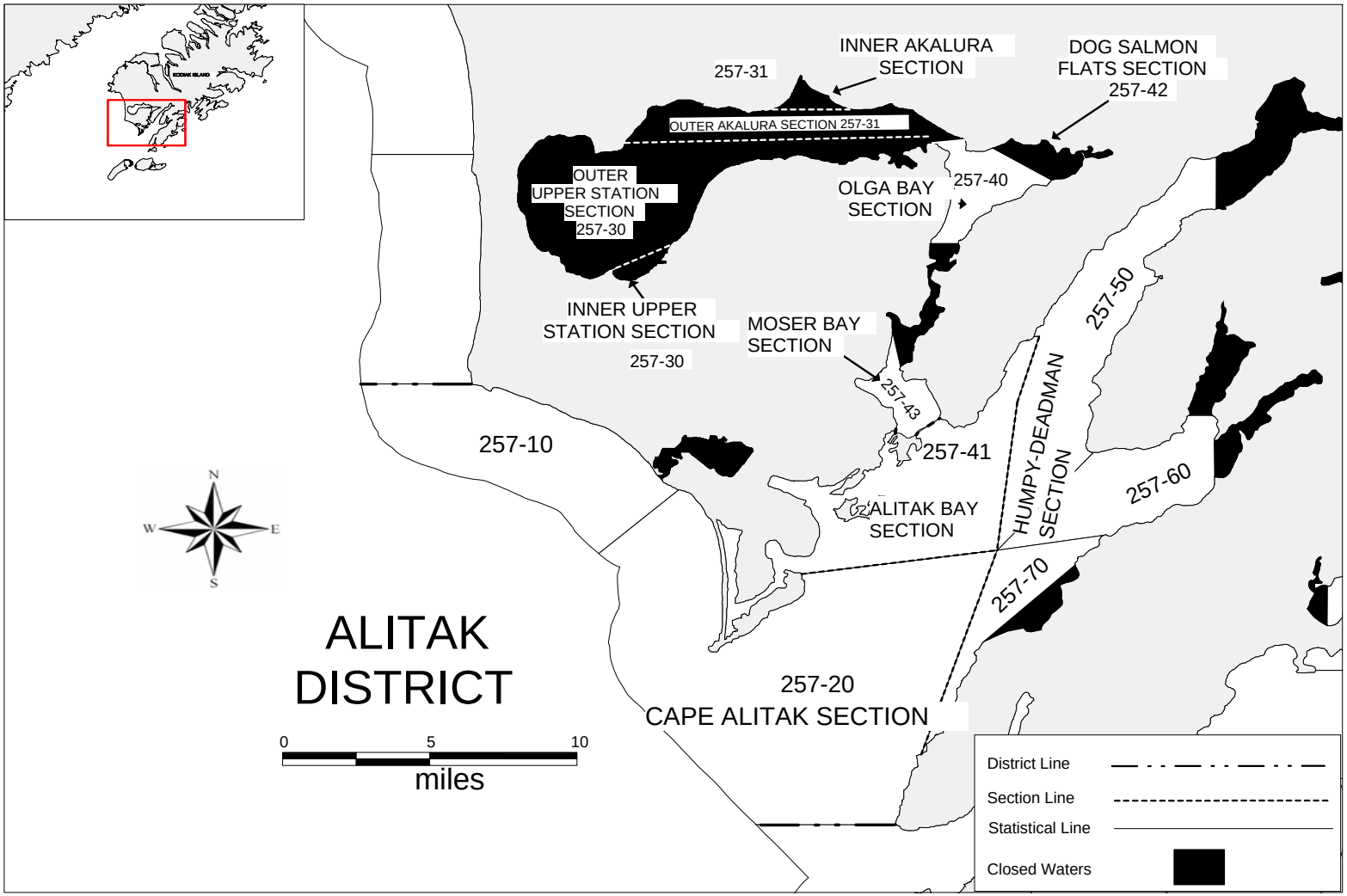

Appendix D2.–Map of the Alitak District showing sections, statistical areas, and closed waters, 2009.

Appendix D3.–Set gillnet daily salmon harvest, by species and section, for the Alitak District sections, 2009.

Statistical Area	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Olga Bay	9-Jun	12	15	0	0	3,051	17,005	0	0	0	0	1	8
Section	10-Jun	11	16	0	0	1,278	7,035	0	0	0	0	0	0
257-40	12-Jun	12	24	0	0	6,282	35,055	0	0	0	0	1	8
	13-Jun	5	5	0	0	500	2,887	0	0	0	0	0	0
	14-Jun	9	9	0	0	811	4,725	0	0	0	0	0	0
	18-Jun	12	22	0	0	7,470	41,519	0	0	1	4	2	16
	19-Jun	9	10	0	0	1,778	9,566	0	0	0	0	2	15
	20-Jun	12	17	1	14	1,308	7,391	0	0	0	0	3	23
	21-Jun	8	8	0	0	185	1,026	0	0	0	0	1	8
	22-Jun	4	4	0	0	49	270	0	0	0	0	2	14
	26-Jun	10	24	0	0	8,484	48,894	0	0	6	21	31	254
	27-Jun	11	12	0	0	2,940	16,123	0	0	8	29	30	246
	28-Jun	10	19	0	0	1,834	10,301	0	0	13	45	31	248
	29-Jun	9	12	0	0	1,069	5,861	0	0	8	30	14	114
	30-Jun	10	17	0	0	1,261	7,174	0	0	23	80	25	199
	1-Jul	9	11	0	0	463	2,401	0	0	12	39	8	54
	2-Jul	8	8	0	0	163	869	0	0	11	39	19	146
	5-Jul	11	26	0	0	5,779	33,237	0	0	106	407	54	340
	6-Jul	9	13	0	0	1,117	6,131	0	0	49	200	40	311
	7-Jul	11	12	0	0	779	4,277	0	0	107	462	46	371
	8-Jul	10	11	0	0	488	2,568	0	0	47	204	41	336
	9-Jul	10	11	0	0	515	2,825	0	0	91	348	30	240
	10-Jul	7	9	0	0	335	1,850	0	0	118	504	9	70
	11-Jul	7	7	0	0	168	944	0	0	26	107	18	74
	12-Jul	5	5	0	0	83	474	0	0	39	163	5	39
	15-Jul	10	14	0	0	1,844	10,732	1	7	575	2,288	48	382
	16-Jul	8	10	0	0	551	3,091	1	6	289	1,179	37	226
	17-Jul	8	8	0	0	623	3,470	0	0	335	1,531	74	566

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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	18-Jul	8	11	0	0	277	1,478	0	0	135	643	21	178
Section	19-Jul	9	9	0	0	228	1,270	0	0	146	630	21	160
257-40	20-Jul	9	9	0	0	261	1,459	0	0	196	801	18	144
(cont.)	21-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	28-Jul	10	22	0	0	3,348	20,356	1	5	953	3,943	37	287
	29-Jul	8	14	0	0	1,420	8,491	1	6	851	3,560	33	250
	30-Jul	4	4	0	0	141	846	0	0	110	464	9	64
	31-Jul	10	13	0	0	843	5,054	0	0	554	2,554	45	333
	1-Aug	6	6	0	0	241	1,464	0	0	120	526	9	60
	2-Aug	5	6	0	0	138	794	0	0	95	403	3	20
	3-Aug	8	8	0	0	196	1,251	0	0	186	825	6	46
	4-Aug	4	6	0	0	90	551	0	0	72	259	3	25
	5-Aug	8	9	0	0	553	3,328	0	0	312	1,178	13	111
	6-Aug	5	6	0	0	194	1,149	1	13	102	397	3	24
	7-Aug	6	8	0	0	367	2,220	0	0	171	696	9	78
	8-Aug	7	7	0	0	299	1,716	0	0	206	829	10	80
	9-Aug	5	5	0	0	229	1,395	0	0	137	643	4	30
	16-Aug	9	17	0	0	7,241	41,857	34	313	1,561	6,412	93	674
	17-Aug	8	10	0	0	2,351	12,792	5	54	767	3,070	25	187
	18-Aug	9	14	0	0	1,178	6,377	31	288	810	3,306	107	812
	19-Aug	6	7	0	0	230	1,291	14	133	106	414	7	50
	20-Aug	8	10	0	0	1,142	6,529	20	191	235	940	11	78
	21-Aug	6	10	0	0	1,099	5,866	24	209	245	990	25	185
	22-Aug	4	5	0	0	698	3,865	22	205	138	552	11	77
	27-Aug	4	4	0	0	1,510	8,231	55	526	85	342	12	84
	28-Aug	4	7	0	0	935	5,197	43	433	98	386	7	49
	29-Aug	4	5	0	0	176	1,002	25	246	34	139	9	71
	30-Aug	3	3	0	0	193	1,065	28	231	82	330	14	108
	4-Sep	4	4	0	0	833	4,453	19	176	0	0	5	35
	5-Sep	4	4	0	0	461	2,507	49	452	6	22	14	99

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Statistical				Chinook		Sockeye		Coho		Pink		Chum	
Area	Date	Permits	Landings	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Olga Bay	6-Sep	3	5	0	0	118	651	12	112	9	32	20	154
Section	7-Sep	3	4	0	0	113	625	8	69	3	12	3	23
257-40	8-Sep	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
(cont.)	9-Sep	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
Total		22	615	1	14	78,438	443,556	451	4,203	10,391	42,985	1,206	9,089
Average weight					14.0		5.7		9.3		4.1		7.5
Moser Bay	9-Jun	6	6	0	0	1,039	5,431	0	0	0	0	0	0
Section	10-Jun	12	15	1	21	3,174	16,600	0	0	0	0	0	0
257-43	12-Jun	7	7	0	0	2,551	13,800	0	0	0	0	0	0
	13-Jun	12	15	0	0	2,840	15,662	0	0	0	0	1	4
	14-Jun	10	13	1	12	2,804	15,881	0	0	0	0	2	12
	18-Jun	8	8	0	0	2,139	11,632	0	0	0	0	1	8
	19-Jun	12	17	0	0	5,974	32,158	0	0	0	0	4	26
	20-Jun	11	15	0	0	1,817	10,242	0	0	0	0	0	0
	21-Jun	10	10	0	0	716	4,087	0	0	1	3	3	20
	22-Jun	11	11	0	0	1,258	6,962	0	0	0	0	1	8
	26-Jun	5	5	0	0	2,460	13,953	1	9	8	27	12	94
	27-Jun	12	17	0	0	7,575	41,911	0	0	4	14	9	66
	28-Jun	11	16	1	24	6,864	39,156	0	0	17	57	33	271
	29-Jun	14	20	0	0	5,252	28,696	1	8	23	85	24	192
	30-Jun	13	19	0	0	3,465	18,444	0	0	43	101	35	281
	1-Jul	10	16	0	0	2,362	11,680	0	0	46	170	34	262
	2-Jul	10	14	0	0	1,679	8,745	0	0	21	82	23	178
	5-Jul	9	10	0	0	3,895	21,176	1	8	147	540	66	530
	6-Jul	9	15	0	0	2,409	13,994	1	7	140	463	51	424
	7-Jul	10	15	0	0	3,737	19,962	1	8	237	890	66	540
	8-Jul	11	18	0	0	2,474	13,915	0	0	240	947	56	408
	9-Jul	11	17	0	0	3,143	16,685	4	33	534	1,895	88	740
	10-Jul	10	15	1	8	2,279	11,973	0	0	371	1,410	36	289
	11-Jul	8	9	0	0	1,054	5,689	0	0	237	870	29	241
	12-Jul	10	11	0	0	905	4,902	0	0	258	1,020	28	207
	15-Jul	9	10	0	0	2,174	11,790	1	8	955	3,648	60	469
	16-Jul	11	21	1	7	3,178	18,785	4	36	1,198	5,101	67	519

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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	17-Jul	11	14	0	0	2,059	11,322	3	21	570	2,178	42	311
Section	18-Jul	10	14	0	0	1,209	6,570	0	0	621	2,461	56	403
257-43	19-Jul	13	18	0	0	1,054	5,869	2	14	818	3,326	47	360
(cont.)	20-Jul	9	16	0	0	1,329	7,348	1	8	826	3,351	24	190
	21-Jul	4	4	0	0	976	5,351	0	0	257	999	9	73
	28-Jul	10	12	0	0	3,043	17,225	3	28	1,002	4,045	35	286
	29-Jul	11	17	0	0	3,460	19,755	9	69	1,371	5,479	43	343
	30-Jul	11	16	0	0	1,882	10,800	2	17	1,201	4,845	22	191
	31-Jul	12	20	0	0	2,933	16,181	6	57	1,846	7,327	37	305
	1-Aug	8	8	0	0	1,243	6,830	0	0	710	2,964	12	108
	2-Aug	12	16	0	0	1,594	8,655	1	9	1,325	5,233	33	280
	3-Aug	9	11	0	0	1,026	5,778	4	28	726	2,944	15	109
	4-Aug	11	17	0	0	2,274	12,667	9	86	1,731	6,943	44	333
	5-Aug	11	13	0	0	1,438	8,353	4	36	1,113	4,337	19	135
	6-Aug	11	14	0	0	1,344	7,410	9	75	1,291	5,063	33	271
	7-Aug	11	14	0	0	1,381	8,319	7	63	1,248	5,278	22	168
	8-Aug	12	14	0	0	1,958	10,908	14	111	1,551	6,154	16	124
	9-Aug	9	9	0	0	2,468	14,805	12	85	1,542	6,480	23	167
	16-Aug	10	11	0	0	3,937	22,474	39	333	2,395	9,429	51	390
	17-Aug	11	21	0	0	7,331	40,551	102	968	3,446	13,969	118	869
	18-Aug	10	14	0	0	2,541	13,860	76	647	1,318	5,465	38	293
	19-Aug	10	18	0	0	2,839	15,502	72	664	993	4,038	59	411
	20-Aug	12	18	0	0	4,375	24,213	84	737	629	2,592	51	389
	21-Aug	10	16	0	0	3,620	20,032	87	805	1,061	4,195	52	375
	22-Aug	12	13	0	0	2,660	14,634	64	579	608	2,439	21	166
	27-Aug	10	10	0	0	1,989	11,043	120	1,074	194	772	48	407
	28-Aug	11	15	0	0	1,416	7,871	113	1,095	123	474	30	248
	29-Aug	10	12	0	0	736	4,179	136	1,325	92	363	24	160
	30-Aug	11	14	0	0	1,901	10,267	111	1,093	106	429	30	239
	4-Sep	10	12	0	0	1,097	6,006	59	539	7	29	28	217
	5-Sep	9	12	0	0	963	5,337	68	670	2	8	19	142
	6-Sep	9	12	0	0	502	2,767	47	423	15	53	7	49
	7-Sep	7	8	0	0	271	1,435	27	241	0	0	8	68
	8-Sep	4	4	0	0	59	342	6	42	0	0	0	0
Total		26	822	5	72	148,125	818,570	1,311	12,059	35,218	140,985	1,845	14,369
Average weight					14.4		5.5		9.2		4.0		7.8

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Statistical Area	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Alitak Bay	9-Jun	10	10	0	0	4,006	20,743	0	0	0	0	1	6
Section	10-Jun	12	18	0	0	4,049	21,288	0	0	0	0	1	6
257-41	12-Jun	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	13-Jun	12	18	0	0	4,303	22,998	0	0	0	0	1	7
	14-Jun	11	13	0	0	3,032	16,805	0	0	0	0	0	0
	18-Jun	7	7	0	0	1,754	9,302	0	0	0	0	0	0
	19-Jun	12	18	0	0	5,340	28,532	0	0	0	0	1	7
	20-Jun	11	12	0	0	3,375	18,053	0	0	1	4	6	41
	21-Jun	10	15	0	0	3,699	20,463	0	0	1	3	21	131
	22-Jun	12	20	0	0	3,912	21,603	0	0	1	3	8	51
	26-Jun	5	5	0	0	702	4,083	0	0	1	4	1	5
	27-Jun	13	20	0	0	4,900	26,838	0	0	10	33	16	110
	28-Jun	11	17	1	26	5,214	29,549	0	0	33	121	54	394
	29-Jun	12	18	1	30	4,570	25,169	0	0	72	267	108	805
	30-Jun	11	13	0	0	1,361	7,535	1	9	8	27	18	139
	1-Jul	11	18	0	0	3,237	15,488	0	0	133	537	56	376
	2-Jul	15	23	0	0	6,398	32,216	0	0	108	393	142	1,039
	5-Jul	4	4	0	0	1,387	7,493	0	0	47	179	13	103
	6-Jul	17	22	0	0	5,776	32,201	1	8	132	482	103	837
	7-Jul	14	20	0	0	5,127	27,568	1	8	243	940	174	1,310
	8-Jul	14	20	0	0	4,701	25,546	6	35	488	1,751	122	928
	9-Jul	15	23	0	0	4,813	25,010	3	21	581	2,082	175	1,353
	10-Jul	15	19	0	0	2,696	14,594	4	27	437	1,618	121	1,110
	11-Jul	13	18	0	0	2,509	13,614	12	83	541	2,016	127	958
	12-Jul	14	22	0	0	2,690	14,370	17	119	989	3,594	179	1,352
	15-Jul	3	3	0	0	400	2,106	0	0	118	445	17	124
	16-Jul	15	23	0	0	4,773	25,759	8	58	2,012	7,978	196	1,445
	17-Jul	11	17	0	0	2,044	11,044	5	34	1,015	3,768	106	758
	18-Jul	11	16	0	0	1,756	9,502	3	23	1,302	4,938	109	838
	19-Jul	12	13	0	0	1,307	7,123	2	13	1,189	4,490	86	676
	20-Jul	10	10	0	0	900	4,837	3	23	378	1,460	43	324
	21-Jul	8	9	0	0	860	4,719	1	7	770	2,973	50	392
	28-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf

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Statistical Area	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Alitak Bay	29-Jul	14	17	0	0	3,559	19,854	7	58	5,339	20,388	160	1,323
Section	30-Jul	13	13	0	0	1,909	11,163	4	32	2,656	11,120	151	1,246
257-41	31-Jul	13	21	0	0	2,502	13,837	2	14	2,431	9,561	121	965
(cont.)	1-Aug	14	19	0	0	2,515	14,007	9	68	2,254	9,052	126	1,042
	2-Aug	16	21	0	0	2,227	11,901	14	109	5,211	19,802	150	1,198
	3-Aug	9	11	0	0	1,191	6,490	9	71	3,123	11,718	77	600
	4-Aug	14	21	0	0	4,332	23,282	9	70	8,064	29,430	115	939
	5-Aug	10	12	0	0	2,203	11,939	3	25	2,844	10,820	96	756
	6-Aug	11	15	0	0	1,821	10,226	4	30	2,465	9,605	113	926
	7-Aug	13	16	0	0	2,859	15,590	4	27	3,975	15,090	133	1,047
	8-Aug	15	21	0	0	3,670	20,078	13	108	5,522	21,405	112	905
	9-Aug	14	19	0	0	3,923	22,336	8	61	2,467	9,974	135	1,023
	16-Aug	8	8	0	0	1,675	9,233	8	71	883	3,475	27	215
	17-Aug	13	24	0	0	6,856	36,580	100	852	2,893	11,001	167	1,322
	18-Aug	13	18	0	0	3,413	19,029	95	875	977	3,897	136	1,086
	19-Aug	12	21	0	0	4,098	22,683	52	471	1,017	3,959	78	626
	20-Aug	12	19	0	0	4,694	25,398	55	463	1,195	4,569	56	467
	21-Aug	12	17	0	0	3,391	18,416	68	592	1,386	5,330	59	462
	22-Aug	12	16	0	0	2,515	13,650	63	593	918	3,512	94	722
	27-Aug	6	6	0	0	788	4,140	14	136	162	579	19	152
	28-Aug	9	14	0	0	4,042	21,250	183	1,230	548	1,925	79	654
	29-Aug	9	17	0	0	2,270	12,179	140	1,170	367	1,254	46	345
	30-Aug	11	18	0	0	2,732	14,998	106	907	189	721	62	486
	4-Sep	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	5-Sep	9	13	0	0	1,736	9,527	113	983	2	8	51	415
	6-Sep	9	12	0	0	857	4,634	42	354	1	4	13	99
	7-Sep	6	6	0	0	440	2,350	30	263	3	12	21	160
	8-Sep	8	10	0	0	1,726	9,113	141	853	8	32	77	650
	9-Sep	3	3	0	0	187	972	18	107	0	0	14	118
Total		25	915	2	56	175,837	951,639	1,385	11,100	67,598	258,657	4,546	35,595
Average weight					28.0		5.4		8.0		3.8		7.8
Grand Total		54	2,274	8	142	402,400	2,213,765	3,147	27,362	113,207	442,627	7,597	59,053
Average weight					17.8		5.5		8.7		3.9		7.8

Note: Conf=Confidential

Appendix D4.–Purse seine daily salmon harvest, by species and section, for the Alitak District, 2009.

Management Unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Cape Alitak	9-Jun	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
Section	10-Jun	7	7	4	94	4,219	25,564	0	0	2	6	1	7
(257-10 & 20)	13-Jun	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	14-Jun	7	7	2	40	5,773	30,502	0	0	0	0	0	0
	15-Jun	6	6	0	0	4,361	22,683	0	0	0	0	0	0
	19-Jun	20	20	5	73	13,623	80,810	0	0	149	474	57	445
	20-Jun	4	4	0	0	1,913	11,015	0	0	64	188	24	201
	21-Jun	11	12	8	109	12,380	77,526	0	0	311	959	50	434
	22-Jun	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	23-Jun	14	14	4	68	5,932	34,578	0	0	466	1,783	455	3,233
	27-Jun	10	10	2	45	4,389	25,815	1	7	237	733	77	609
	28-Jun	5	5	4	77	3,566	22,241	0	0	281	846	80	634
	29-Jun	10	10	5	70	1,577	9,892	0	0	373	1,129	108	810
	30-Jun	14	14	22	333	5,880	35,484	1	9	1,382	4,150	238	1,802
	1-Jul	10	10	11	309	3,953	22,798	2	12	2,057	6,315	202	1,585
	2-Jul	13	13	11	216	9,760	59,496	0	0	1,693	5,092	236	1,894
	6-Jul	12	12	6	123	9,956	60,774	60	385	9,080	27,244	677	5,398
	8-Jul	3	3	5	76	2,598	15,860	24	169	4,511	13,534	454	3,633
	9-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	10-Jul	8	8	8	150	5,276	30,440	70	402	14,075	42,549	751	6,221
	11-Jul	4	4	4	58	2,517	14,854	15	98	7,253	21,760	271	2,177
	12-Jul	5	5	0	0	2,212	13,049	3	22	6,345	19,037	282	2,251
	15-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	16-Jul	9	9	35	305	3,864	23,187	695	4,178	27,309	81,918	605	4,846
	17-Jul	5	5	0	0	1,732	10,394	23	137	26,366	79,102	448	3,584
	18-Jul	10	11	2	42	3,023	17,933	798	4,645	52,328	161,975	5,102	40,599
	19-Jul	11	11	1	15	4,048	24,380	18	140	33,005	111,832	453	3,454
	20-Jul	8	8	0	0	2,935	17,606	45	281	28,082	84,248	348	2,794
	21-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	22-Jul	3	3	3	56	2,274	14,398	6	41	4,924	14,772	85	678
	29-Jul	6	6	2	39	3,192	17,571	25	236	78,427	256,981	826	6,711

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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 Alitak													
Section	30-Jul	6	6	0	0	3,960	23,927	21	157	90,418	295,463	682	4,625
(cont.)	31-Jul	8	9	2	72	2,091	11,271	364	2,072	60,720	190,487	640	4,437
	1-Aug	10	10	2	44	3,199	16,542	19	152	60,593	182,525	665	4,705
	2-Aug	9	9	1	18	2,961	15,144	60	488	41,722	131,970	406	2,677
	3-Aug	5	5	2	96	1,706	10,672	381	2,517	23,386	79,348	266	2,006
	4-Aug	4	4	0	0	1,304	6,653	3	22	15,552	62,209	111	903
	5-Aug	9	13	3	50	8,516	53,758	58	474	87,697	306,945	587	4,515
	6-Aug	7	8	6	109	2,010	11,969	26	224	60,893	198,775	340	2,947
	7-Aug	7	8	2	48	3,448	20,160	83	684	96,347	282,310	490	4,250
	8-Aug	7	11	5	133	6,562	36,631	39	302	108,049	314,765	508	4,312
	9-Aug	4	4	3	67	2,767	15,970	68	562	20,397	75,185	159	1,400
	17-Aug	1	1	0	0	1,770	9,206	104	833	7,741	23,224	155	1,239
	18-Aug	2	2	2	60	446	2,363	131	801	4,471	13,411	86	699
	22-Aug	1	1	0	0	42	361	24	218	2,013	5,637	6	62
	23-Aug	1	1	0	0	0	0	0	0	183	733	3	21
	28-Aug	3	3	0	0	1,498	7,942	311	2,487	2,071	6,210	690	5,521
Total		38	321	178	3,084	168,931	993,661	3,556	23,226	990,642	3,134,833	18,102	142,144
Average weight					17.3		5.9		6.5		3.2		7.9
Humpy-Deadman													
Section	9-Jun	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
(257-50,60 & 70)	10-Jun	7	7	4	94	4,219	25,564	0	0	2	6	1	7
	13-Jun	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	14-Jun	7	7	2	40	5,773	30,502	0	0	0	0	0	0
	15-Jun	6	6	0	0	4,361	22,683	0	0	0	0	0	0
	19-Jun	20	20	5	73	13,623	80,810	0	0	149	474	57	445
	20-Jun	4	4	0	0	1,913	11,015	0	0	64	188	24	201
	21-Jun	11	12	8	109	12,380	77,526	0	0	311	959	50	434
	22-Jun	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	23-Jun	14	14	4	68	5,932	34,578	0	0	466	1,783	455	3,233
	27-Jun	10	10	2	45	4,389	25,815	1	7	237	733	77	609
	28-Jun	5	5	4	77	3,566	22,241	0	0	281	846	80	634
	29-Jun	10	10	5	70	1,577	9,892	0	0	373	1,129	108	810
	30-Jun	14	14	22	333	5,880	35,484	1	9	1,382	4,150	238	1,802
	1-Jul	10	10	11	309	3,953	22,798	2	12	2,057	6,315	202	1,585
	2-Jul	13	13	11	216	9,760	59,496	0	0	1,693	5,092	236	1,894
	6-Jul	12	12	6	123	9,956	60,774	60	385	9,080	27,244	677	5,398

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Management Unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Humpy-Deadman													
Section	8-Jul	3	3	5	76	2,598	15,860	24	169	4,511	13,534	454	3,633
(257-50,60 & 70)	9-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
(cont.)	10-Jul	8	8	8	150	5,276	30,440	70	402	14,075	42,549	751	6,221
	11-Jul	4	4	4	58	2,517	14,854	15	98	7,253	21,760	271	2,177
	12-Jul	5	5	0	0	2,212	13,049	3	22	6,345	19,037	282	2,251
	15-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	16-Jul	9	9	35	305	3,864	23,187	695	4,178	27,309	81,918	605	4,846
	17-Jul	5	5	0	0	1,732	10,394	23	137	26,366	79,102	448	3,584
	18-Jul	10	11	2	42	3,023	17,933	798	4,645	52,328	161,975	5,102	40,599
	19-Jul	11	11	1	15	4,048	24,380	18	140	33,005	111,832	453	3,454
	20-Jul	8	8	0	0	2,935	17,606	45	281	28,082	84,248	348	2,794
	21-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	22-Jul	3	3	3	56	2,274	14,398	6	41	4,924	14,772	85	678
	29-Jul	6	6	2	39	3,192	17,571	25	236	78,427	256,981	826	6,711
	30-Jul	6	6	0	0	3,960	23,927	21	157	90,418	295,463	682	4,625
	31-Jul	8	9	2	72	2,091	11,271	364	2,072	60,720	190,487	640	4,437
	1-Aug	10	10	2	44	3,199	16,542	19	152	60,593	182,525	665	4,705
	2-Aug	9	9	1	18	2,961	15,144	60	488	41,722	131,970	406	2,677
	3-Aug	5	5	2	96	1,706	10,672	381	2,517	23,386	79,348	266	2,006
	4-Aug	4	4	0	0	1,304	6,653	3	22	15,552	62,209	111	903
	5-Aug	9	13	3	50	8,516	53,758	58	474	87,697	306,945	587	4,515
	6-Aug	7	8	6	109	2,010	11,969	26	224	60,893	198,775	340	2,947
	7-Aug	7	8	2	48	3,448	20,160	83	684	96,347	282,310	490	4,250
	8-Aug	7	11	5	133	6,562	36,631	39	302	108,049	314,765	508	4,312
	9-Aug	4	4	3	67	2,767	15,970	68	562	20,397	75,185	159	1,400
	17-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	18-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	22-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	23-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	28-Aug	3	3	0	0	1,498	7,942	311	2,487	2,071	6,210	690	5,521
Total		41	371	18	327	59,981	344,355	1,180	8,740	2,892,315	9,595,837	46,798	365,188
Average weight					18.2		5.7		7.4		3.3		7.8
Grand Total		50	684	196	3,411	228,912	1,338,016	4,736	31,966	3,882,957	12,730,670	64,900	507,332
Average weight					17.4		5.8		6.7		3.3		7.8

Note: Conf=confidential

Appendix D5.–Salmon harvest by gear type and species, for the Alitak District, 2009.

			Chinook		Sockeye		Coho		Pink		Chum		Total	
	Permits	Landings	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Purse Seine														
Total	50	684	196	3,411	228,912	1,338,016	4,736	31,966	3,882,957	12,730,670	64,900	507,332	4,181,701	14,611,395
Avg.Wt.				17.4		5.9		6.8		3.3		7.8		
Set Gillnet	54	2,274	8	142	402,400	2,213,765	3,147	27,362	113,207	442,627	7,597	59,053	526,359	2,742,949
Total														
Avg.Wt.				17.8		5.5		8.7		3.9		7.8		
Year Total	104	2,958	204	3,553	631,312	3,551,781	7,883	59,328	3,996,164	13,173,297	72,497	566,385	4,708,060	17,354,344
Avg.Wt.				17.4		5.6		7.5		3.3		7.8		

Appendix D6.–Commercial salmon harvest, by species, with percent harvest by gear type, in the Alitak District, 1954-2009.

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

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YEAR	Chinook[a]			Sockeye[a]			Coho[a]			Pink[a]			Chum[a]			Total[a]		
	Number	GN%	PS%	Number	GN%	PS%	Number	GN%	PS%	Number	GN%	PS%	Number	GN%	PS%	Number	GN%	PS%
1989[b]	106	100%	0%	1,284,174	100%	0%	1,613	100%	0%	182,217	100%	0%	19,911	100%	0%	1,488,021	100%	0%
1990	807	17%	83%	1,435,461	52%	48%	18,176	65%	35%	144,927	13%	87%	50,304	36%	64%	1,649,675	48%	52%
1991	821	10%	90%	2,062,718	58%	42%	24,601	52%	48%	2,373,516	5%	95%	83,003	24%	76%	4,544,659	30%	70%
1992	1,056	9%	91%	525,158	53%	47%	24,548	55%	45%	59,268	28%	72%	34,580	43%	57%	644,610	50%	50%
1993	1,828	10%	90%	998,751	53%	47%	19,271	40%	60%	3,465,473	6%	94%	53,636	27%	73%	4,538,959	17%	83%
1994	1,946	8%	92%	931,328	54%	46%	32,312	44%	56%	1,120,832	9%	91%	112,191	18%	82%	2,198,609	29%	71%
1995	848	15%	85%	1,674,169	47%	53%	19,000	47%	53%	7,065,939	6%	94%	105,224	17%	83%	8,865,180	14%	86%
1996	569	18%	82%	1,458,215	54%	46%	35,529	47%	53%	553,424	39%	61%	65,250	29%	71%	2,112,987	49%	51%
1997	291	31%	69%	685,635	59%	41%	33,549	41%	59%	955,253	15%	85%	85,710	34%	66%	1,760,438	33%	67%
1998	1,487	6%	94%	1,003,245	57%	43%	32,185	47%	53%	1,704,581	26%	74%	40,554	40%	60%	2,782,052	37%	63%
1999	271	12%	88%	633,579	70%	30%	13,126	74%	26%	1,353,933	12%	88%	79,000	16%	84%	2,079,909	30%	70%
2000	433	10%	90%	558,674	57%	43%	10,131	51%	49%	243,161	30%	70%	67,189	17%	83%	879,588	47%	53%
2001	651	11%	89%	461,785	64%	36%	2,471	24%	76%	1,439,930	7%	93%	52,521	21%	79%	1,957,358	26%	74%
2002	13	0%	100%	14,575	0%	100%	1,060	0%	100%	1,078,120	0%	100%	10,164	0%	100%	1,103,932	0%	100%
2003	298	3%	97%	341,402	67%	33%	10,592	45%	55%	497,822	18%	82%	31,866	22%	78%	881,980	38%	62%
2004	1,316	4%	96%	1,156,539	61%	39%	15,897	54%	46%	1,420,188	24%	76%	38,348	40%	60%	2,632,288	41%	59%
2005	602	8%	92%	777,905	60%	40%	6,977	56%	44%	4,193,022	4%	96%	22,839	40%	60%	5,001,027	87%	13%
2006	55	7%	93%	86,286	76%	24%	4,449	63%	37%	2,872,970	5%	95%	46,904	5%	95%	3,010,664	7%	93%
2007	23	26%	74%	85,469	80%	20%	2,456	62%	38%	474,016	15%	85%	47,931	9%	91%	609,895	24%	76%
2008	265	3%	97%	743,052	63%	37%	15,390	17%	83%	712,242	22%	88%	78,694	7%	93%	1,549,643	41%	59%
2009	204	4%	96%	631,312	64%	36%	7,883	40%	60%	3,996,164	3%	97%	72,497	10%	90%	4,708,060	11%	89%
Averages[b]:																		
1954-2007	295	20%	79%	402,374	66%	34%	11,208	48%	52%	1,354,774	19%	81%	62,045	22%	78%	1,830,690	30%	70%
1999-2008	393	8%	92%	485,927	60%	40%	8,255	45%	55%	1,428,540	14%	87%	47,546	18%	82%	1,970,628	34%	66%

[a] ADF&G test fish harvest is not included.

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

APPENDIX E. WESTSIDE FISHERY SUMMARY

Appendix E1.–Narrative account of the Westside Kodiak salmon fisheries in the Kodiak Management Area, 2009.

INTRODUCTION

Management of Westside Kodiak fisheries are complex due to the mixing of various local salmon stocks during inshore migration. Both set gillnet and seine gear were legal in part of the Westside (the Central Section), and occasional allocative disputes arose. Harvest strategies evolved until 1990, when a specific management plan governing fisheries along the west side of Kodiak and southwest Afognak was adopted into regulation by the Alaska Board of Fisheries (BOF). It was hoped that placing a management plan in regulation would clarify the management strategy to maintain the biological integrity of local salmon stocks and the allocative concerns of local fishermen (Prokopowich et al. 1991).

The goal of the Westside Kodiak Management Plan (WKMP; 5 AAC 18.362) is to achieve escapement objectives of sockeye salmon returning to the Karluk, Ayakulik, and other Westside minor sockeye salmon systems, and of pink, chum, and coho salmon returning to systems in the Southwest Afognak, Central, North Cape, Anton Larsen Bay, Sharatin Bay, Kizhuyak Bay, Terror Bay, Inner Uganik Bay, Spiridon Bay, Zachar Bay, Uyak Bay, Outer Karluk, Inner Karluk, Sturgeon Bay, Halibut Bay, Outer Ayakulik, and Inner Ayakulik sections (Appendix E2) while allowing a harvest of fish surplus to escapement needs. It was the intent of the BOF that salmon bound for these systems be harvested to the extent possible by the traditional fisheries located in all 17 sections (Wadle and Dinnocenzo 2009). A map depicting these sections is included in Appendix E2.

Since 2000, the Karluk River early-run sockeye salmon escapement has exceeded the upper goal (currently 250,000 sockeye salmon by July 15; Honnold et al. 2007) in every year except 2006, 2008, and 2009 (Caldentey *in prep*). In an attempt to better control escapement and avoid compromising juvenile salmon rearing conditions in Karluk Lake, a management option to allow an earlier opening date, when appropriate, was implemented by the BOF in 2004.

2009 Westside Kodiak Fisheries

ADF&G preseason salmon forecasts predicted a surplus (in excess of escapement needs) of early-run sockeye salmon returning to Karluk (forecasted harvestable surplus of approximately 154,000 fish), Frazer (263,000 fish), early-run Upper Station (56,000 fish), and Ayakulik (44,000 fish; Volk et al. 2009). Due to the forecast of a weak early Karluk run and a low cumulative escapement in early June, the first commercial test fishing period in the Central and North Cape sections was delayed until June 9 and was only 33 hours in duration. The resulting harvest indicated a weaker than expected run of sockeye salmon traveling along through the westside fishery. As prescribed in the WKMP, a second 33-hour period was allowed beginning June 14 not only in the Central and North Cape sections, but the Anton Larsen, Sharatin, Terror Inner Uganik Bay, Spiridon Bay, Zachar Bay, and Uyak Bay sections to test the strength of early-run Karluk and local west side sockeye and chum salmon runs. The harvest from this opening indicated a continued low abundance of sockeye salmon. Sockeye salmon escapement through Karluk weir was very low and there was no indication of any significant numbers of fish in Karluk Lagoon. The westside

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fishery remained closed until further notice. Cumulative Karluk River escapement remained inadequate throughout the remainder of the early run and no additional fishing periods were allowed.

For the second consecutive year, the 2009 Karluk early-run sockeye salmon escapement of 52,466 fish (Table 3; Caldentey *in prep*) was below the desired range of 110,000 to 250,000 fish (Honnold et al. 2007). From June 1 through July 15, approximately 194,848 sockeye salmon were harvested in the westside fishery (Table 9), above the forecast (154,000; Volk et al. 2009). Of this harvest, approximately 16,054 fish were of Karluk Lake origin (Foster, *in prep*).

Due to the expectation of a strong pink salmon run, the first two fishing periods in July (starting July 6 and 13) in the westside fishery were 105 hours long. When the pink salmon run proved to be as strong as forecast, the third opening on July 20 was repeatedly extended eventually through August 15. Seine effort during July was light and declined further in early August as the fleet was fishing elsewhere. A large portion of the run escaped the fishery resulting in more than adequate pink escapement in most streams in the Northwest Kodiak District.

On August 16, management of the westside fishery shifted to conservation consideration of late-run Karluk sockeye salmon. Through August 15, the cumulative late-run sockeye salmon escapement through Karluk weir of 3,669 fish was lower than any year on this date as far back as (at least) 1976, the year the Karluk weir was first operated in its present location. The overriding concern for late-run Karluk sockeye resulted in a closure of the westside fishery on August 16 until further notice. Despite the continued closure, Karluk weir cumulative late-run sockeye salmon continued to be very low although there was some sign of a moderate buildup of salmon in the lagoon starting in late August. Many of these fish were pink salmon and it was extremely difficult to quantify the sockeye salmon present. Finally on September 26, a large wave of sockeye salmon passed the weir, bringing the cumulative escapement up within the desired range.

The Karluk late-run (post July 15) sockeye salmon escapement of 277,611 fish was within the desired escapement goal range of 170,000 to 380,000 fish (Table 3; Honnold et al. 2007) and the westside post July 15 harvest included 231,249 sockeye salmon.

The 2009 Ayakulik sockeye salmon run started out late and cumulative escapement stayed below the desired range until mid-June when escapement rates increased and cumulative escapement began to fall within desired ranges after June 26. Starting July 20, a 57-hour fishing period was allowed in the Outer Ayakulik Section targeting Ayakulik River sockeye salmon. During this opening, retention of Chinook salmon over 28 inches was not allowed to conserve fish needed for escapement. Through July 19, the cumulative sockeye salmon escapement of 208,420 fish was just above the minimum escapement goal (escapement goal range of 200,000 to 500,000 fish; Honnold et al. 2007). Daily weir counts declined dramatically after the opening, and additional openings were not allowed until early August. During this closure, a buildup of mostly sockeye salmon developed near the mouth of the Ayakulik River and over 37,000 sockeye salmon passed the weir between July 31 and August 2. A 57-hour fishing period was allowed in the Outer Ayakulik Section starting August 3, which was extended for 48 hours along with a 57-hour fishing period in the Inner Ayakulik Section starting August 5 after an additional

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28,000 sockeye passed the weir on August 4. During this opening, the remaining buildup at the mouth was harvested. After the closure, escapement rates declined to a steady slow trickle and no more openings were allowed until August 15 when a 78-hour fishing period was allowed in both the Inner and Outer Ayakulik sections which was subsequently extended indefinitely. By then, the Ayakulik coho salmon run was strong with excellent escapement past the weir.

The total sockeye salmon escapement past Ayakulik weir (315,184; Table 3; Caldentey *in prep*) was within established goals (200,000 to 500,000 fish; Honnold et al. 2007). The harvest of Ayakulik sockeye salmon (77,762 fish) was above forecast (44,000 fish; Volk et al. 2009).

The total commercial harvest from Westside Kodiak management units (Southwest Afognak to Ayakulik[1]) was 5,927,751 salmon, including 1,621 Chinook, 577,894 sockeye, 57,364 coho, 4,936,957 pink, and 353,915 chum salmon in 3,505 landings (Appendix E3). One hundred and nineteen seine fishermen made 1,027 landings for 1,314 Chinook, 243,704 sockeye, 27,490 coho, 3,739,015 pink, and 165,973 chum salmon (Appendix E4). Seventy eight set gillnet fishermen made 2,478 landings for 307 Chinook, 334,190 sockeye, 29,874 coho, 1,197,942 pink, and 187,942 chum salmon. Commercial salmon harvests, by gear type, for individual Westside management units can be found in Appendices E5 and E6.

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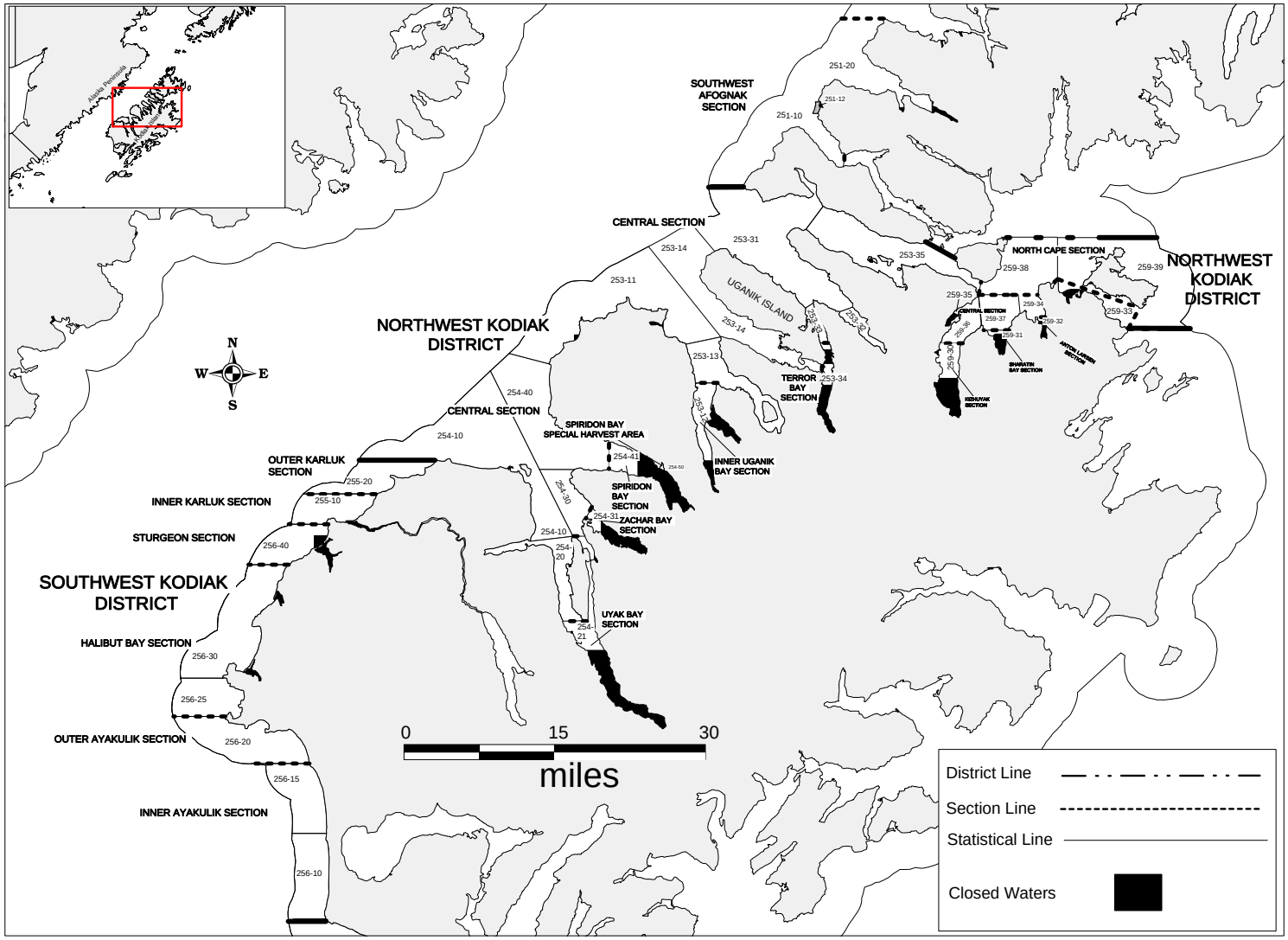
[1] Westside Kodiak salmon harvest totals in Appendix E do not include salmon taken in the SBSHA. Sockeye salmon from an enhancement project return to this area. SBSHA is manged under a separate plan; see Appendix H for a description of the SBSHA fishery Theses tables do include sockeye salmon destined for Spiridon Bay that were caught outside the SBSHA in the Westside fishery.



Appendix E2.–Map of the west side of Kodiak Island including Southwest and Northwest Kodiak Districts and the Southwest Afognak Section of the Afognak District.

Appendix E3.–Commercial salmon harvest, by species, for Westside management units in the Kodiak Management Area, 1975-2009.

Year	Permits	Landings	Number of Salmon					
			Chinook	Sockeye	Coho	Pink	Chum	Total
1975	274	2,001	50	75,983	14,439	1,441,658	36,358	1,568,488
1976	346	4,678	253	350,403	10,412	4,786,866	91,524	5,239,458
1977	324	3,462	454	363,690	12,619	2,107,769	115,435	2,599,967
1978	385	6,001	1,352	491,503	20,216	6,245,588	134,794	6,893,453
1979	399	5,121	611	185,363	47,043	3,860,734	59,469	4,153,220
1980	413	6,913	397	412,418	44,674	11,347,713	133,117	11,938,319
1981	374	4,810	911	415,405	36,672	3,188,599	247,097	3,888,684
1982	408	6,077	858	427,454	128,718	5,538,196	450,819	6,546,045
1983	398	5,141	2,353	297,330	49,418	1,730,453	374,319	2,453,873
1984	390	8,065	3,634	925,236	104,347	9,291,637	166,069	10,490,923
1985	365	6,097	4,306	920,143	97,516	1,981,000	226,819	3,229,784
1986	392	12,070	3,728	1,632,227	102,304	9,472,330	584,538	11,795,127
1987	380	6,360	2,268	754,943	85,055	1,643,187	261,601	2,747,054
1988	416	11,700	11,848	998,895	141,115	8,574,478	609,946	10,336,282
1989 [a]	5	10	0	3,489	986	1,005	53	5,533
1990	455	12,604	12,090	3,383,351	176,475	3,674,278	218,883	7,465,077
1991	434	11,957	11,780	2,842,802	179,852	5,588,982	346,193	8,969,609
1992	429	11,121	17,238	2,306,791	128,737	1,538,305	302,779	4,293,850
1993	406	12,106	21,019	2,426,540	124,497	10,344,080	300,571	13,216,707
1994	350	8,024	16,930	1,236,314	135,365	3,873,574	329,281	5,591,464
1995	369	13,104	13,819	2,071,281	147,204	21,025,711	722,649	23,980,664
1996	328	7,808	10,437	2,536,733	71,984	1,780,755	365,034	4,764,943
1997	334	7,752	11,152	1,412,061	108,459	6,520,085	214,730	8,266,487
1998	290	9,623	13,886	2,220,631	163,102	12,335,360	176,636	14,909,615
1999	317	8,497	12,795	2,734,413	104,836	4,114,567	267,471	7,234,082
2000	306	7,555	9,382	1,600,262	111,908	5,343,309	379,444	7,444,305
2001	265	6,815	18,317	1,617,700	143,681	3,687,193	381,098	5,847,989
2002	228	5,369	14,921	1,179,697	166,377	9,445,914	250,153	11,057,062
2003	227	7,511	13,775	2,975,163	156,308	5,406,727	329,543	8,881,516
2004	225	8,919	23,744	2,413,242	259,500	14,756,880	604,428	18,057,794
2005	204	6,671	11,034	1,457,611	183,158	6,178,927	243,153	8,073,883
2006	211	8,277	16,139	1,200,357	251,605	20,205,610	402,314	22,076,025
2007	219	6,868	13,384	1,512,091	167,437	8,720,592	219,689	10,633,193
2008	199	3,387	13,124	634,056	92,170	3,732,346	223,658	4,695,354
2009	197	3,505	1,621	577,894	57,364	4,936,957	353,915	5,927,751
Average [a]								
1999-2008	240	6,987	14,662	1,732,459	163,698	8,159,207	330,095	10,400,120
1975-2008	335	7,650	9,333	1,394,306	114,158	6,651,012	296,049	8,464,857

Note: Westside Kodiak Management Plan units include the Southwest Afognak Section, the Northwest Kodiak District (except the Spiridon Bay Special Harvest Area), and the Southwest Kodiak District.

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

Appendix E4.–Commercial salmon harvest, by gear type and species, for Westside management units, 2009.

			Chinook		Sockeye		Coho		Pink		Chum		Total	
Gear	Permits	Landings	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Seine	119	1,027	1,314	13,698	243,704	1,353,399	27,490	182,187	3,739,015	12,495,983	165,973	1,332,066	4,177,496	15,377,333
Average weight				10.4		5.6		6.6		3.3		8.0		
Set Gillnet	78	2,478	307	3,732	334,190	1,915,365	29,874	206,655	1,197,942	4,607,331	187,942	1,394,307	1,750,255	8,127,390
Average weight				12.16		5.73		6.92		3.85		7.42		
Grand total	197	3,505	1,621	17,430	577,894	3,268,764	57,364	388,842	4,936,957	17,103,314	353,915	2,726,373	5,927,751	23,504,723
Average weight				10.8		5.7		6.8		3.5		7.7		

Note: Westside Kodiak Management Plan units include the Southwest Afognak Section, the Northwest Kodiak District, except for the Spiridon Bay Special Harvest Area, and the Southwest Kodiak District.

Appendix E5.–Seine daily salmon harvest, by species for the Westside Management Plan units, 2009.

Management				Chinook		Sockeye		Coho		Pink		Chum	
Unit	Date	Permits	Landings	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Southwest Afognak Section													
	14-Jun	4	4	42	328	2,694	15,666	0	0	71	183	41	324
	15-Jun	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	7-Jul	3	3	4	31	2,869	18,475	0	0	3,594	10,787	814	6,536
	8-Jul	7	7	56	289	8,065	44,638	52	414	16,343	46,699	2,251	17,122
	9-Jul	6	6	15	177	5,741	34,449	16	126	13,978	45,487	1,188	9,396
	10-Jul	4	4	6	79	3,644	21,252	23	144	10,021	32,775	1,048	7,539
	13-Jul	4	4	5	36	1,130	5,293	69	503	5,457	17,055	355	2,933
	14-Jul	7	7	27	156	2,596	14,675	137	1,001	11,787	39,922	829	6,573
	15-Jul	5	5	10	164	3,492	16,872	322	2,588	15,468	48,214	1,538	13,225
	16-Jul	3	3	7	45	2,910	16,024	237	1,670	12,849	40,880	1,504	12,639
	17-Jul	9	9	22	214	2,609	15,935	307	2,183	13,468	43,854	1,313	10,864
	20-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	21-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	22-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	23-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	24-Jul	5	5	21	152	3,007	18,053	379	2,860	24,322	87,477	1,144	9,640
	25-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	26-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	27-Jul	4	4	4	42	596	3,224	238	1,443	17,065	51,799	686	5,744
	28-Jul	3	3	9	121	1,059	5,227	171	1,395	25,932	83,673	1,139	9,656
	29-Jul	6	7	69	648	2,117	11,593	314	2,171	39,800	124,837	1,339	11,565
	30-Jul	4	4	4	81	1,596	8,731	207	1,255	22,381	71,846	1,342	11,484
	31-Jul	7	7	21	191	4,108	22,539	304	2,276	52,925	166,836	2,534	20,308
	1-Aug	4	5	11	166	2,691	15,459	445	3,847	54,137	173,265	2,056	18,723
	2-Aug	6	6	6	96	1,750	9,595	185	1,438	38,904	142,209	1,850	14,960
	3-Aug	4	4	9	180	2,018	11,116	165	1,542	40,982	117,076	1,629	10,640
	4-Aug	4	4	14	150	746	3,912	154	1,325	35,146	114,273	851	7,291
	5-Aug	9	9	23	196	1,138	6,440	415	2,932	63,704	190,269	1,218	10,837
	6-Aug	4	5	1	13	1,548	8,726	420	3,382	47,227	152,083	1,450	12,645
	7-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	11-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
Total		37	127	407	3,696	66,897	376,062	5,201	38,636	623,392	1,991,005	29,945	244,449
Average weight					9.1		5.6		7.4		3.2		8.2

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Management Unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Northwest Kodiak District													
	9-Jun	5	5	8	151	3,856	20,171	0	0	10	34	194	1,249
	10-Jun	7	7	38	347	2,140	11,949	0	0	343	872	246	1,767
	14-Jun	9	9	75	724	2,452	13,149	0	0	45	127	81	605
	15-Jun	12	12	69	792	2,688	14,344	0	0	67	153	89	663
	6-Jul	16	18	5	93	6,425	37,953	3	21	15,380	57,529	2,239	18,081
	7-Jul	18	19	39	394	8,483	47,880	35	252	25,165	99,275	3,678	31,396
	8-Jul	15	15	2	37	4,795	24,836	1	10	21,754	69,954	2,530	19,913
	9-Jul	18	18	32	242	3,317	17,673	30	197	26,610	86,697	2,510	18,335
	10-Jul	17	17	8	50	1,281	6,626	17	140	16,091	54,823	1,521	11,439
	13-Jul	14	14	10	71	1,849	10,311	150	941	22,668	80,138	1,383	9,408
	14-Jul	15	16	31	180	2,638	14,939	509	3,359	31,417	104,421	2,866	22,331
	15-Jul	11	12	7	52	1,272	7,518	270	1,655	25,777	91,975	2,151	16,697
	16-Jul	21	21	69	601	4,149	22,622	515	3,536	50,269	179,880	4,314	31,903
	17-Jul	21	22	13	65	1,834	10,445	294	2,010	38,822	134,793	3,209	24,670
	20-Jul	19	19	29	396	1,549	8,074	177	1,197	52,492	185,625	2,339	18,952
	21-Jul	22	23	16	257	2,537	13,566	345	2,804	95,125	314,456	4,966	41,050
	22-Jul	30	30	6	74	2,118	10,926	467	3,012	94,071	301,590	6,487	50,782
	23-Jul	43	43	21	255	4,511	24,200	941	6,071	164,542	558,888	9,806	77,683
	24-Jul	37	37	15	126	2,428	13,292	409	2,803	120,240	417,582	8,987	69,390
	25-Jul	16	18	0	0	773	4,250	207	1,330	84,608	282,432	5,994	48,803
	26-Jul	41	41	94	1,049	1,622	9,006	891	6,171	151,124	493,786	6,515	54,478
	27-Jul	23	25	9	181	2,616	14,697	618	4,583	103,427	350,696	4,093	34,131
	28-Jul	34	35	15	217	1,937	10,636	748	5,144	143,480	446,200	6,525	53,634
	29-Jul	37	39	36	458	3,919	21,439	938	6,573	148,929	515,453	7,748	62,636
	30-Jul	33	33	24	379	4,676	25,524	891	6,635	158,027	502,170	6,028	48,752
	31-Jul	26	26	24	289	4,580	25,583	533	3,724	139,207	465,097	4,421	36,333
	1-Aug	29	31	7	100	5,465	29,424	5,029	21,060	173,286	579,340	4,928	39,598
	2-Aug	26	27	18	235	1,806	9,966	560	3,996	105,688	354,746	5,149	40,693
	3-Aug	22	22	5	63	483	2,835	178	1,159	62,632	212,846	2,925	22,546
	4-Aug	24	27	5	53	896	5,139	244	1,972	100,085	345,369	3,966	35,420
	5-Aug	32	32	53	474	2,357	12,786	567	4,078	129,277	443,648	4,241	34,468
	6-Aug	18	21	68	708	2,012	10,911	1,000	6,741	122,459	411,781	2,128	16,600
	7-Aug	12	12	9	152	1,095	5,926	613	4,002	57,489	203,271	1,762	14,326
	8-Aug	6	6	15	253	1,142	6,185	475	3,833	53,543	166,739	832	7,012

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Management Unit	Date	Permits	Landings	Chinook Number	Chinook Pounds	Sockeye Number	Sockeye Pounds	Coho Number	Coho Pounds	Pink Number	Pink Pounds	Chum Number	Chum Pounds
Northwest Kodiak District (cont.)	9-Aug	6	6	5	125	506	2,794	363	2,205	49,469	175,210	650	5,566
	10-Aug	6	7	11	115	770	4,026	512	3,946	74,548	254,473	1,130	7,918
	11-Aug	11	11	3	38	437	2,389	756	4,746	81,300	283,270	3,666	29,834
	12-Aug	6	6	0	0	136	745	86	756	23,209	85,559	897	7,088
	13-Aug	6	6	0	0	171	781	137	948	15,147	53,300	281	2,213
	14-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	15-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	31-Aug	20	20	0	0	172	844	743	6,045	126,631	416,555	350	2,520
	1-Sep	21	22	0	0	106	558	562	4,469	94,349	342,907	283	1,914
	2-Sep	10	10	0	0	16	69	825	6,559	11,262	39,753	60	412
Total		109	843	894	9,796	98,017	536,994	21,644	138,705	3,016,328	10,189,005	134,790	1,077,748
Average weight					11.0		5.5		6.4		3.4		8.0
Inner & Outer Karluk sections	no fishery												
Total		0	0	0	0	0	0	0	0	0	0	0	0
Average weight													
remainder of Southwest Kodiak District	20-Jul	11	11	4	79	5,662	30,585	181	1,405	25,345	68,841	292	2,237
	21-Jul	9	9	5	61	24,163	127,552	40	263	14,442	44,137	508	4,092
	22-Jul	12	13	2	31	17,762	111,125	50	338	11,880	36,221	211	1,755
	3-Aug	6	6	2	35	933	5,545	20	150	9,348	32,418	37	346
	4-Aug	3	3	0	0	1,972	10,781	0	0	5,744	18,330	10	75
	5-Aug	11	11	0	0	18,432	99,142	28	186	5,824	20,186	34	271
	7-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	15-Aug	4	4	0	0	3,620	22,626	96	642	5,656	20,369	22	157
	16-Aug	4	4	0	0	1,343	7,467	68	554	13,760	47,136	101	732
	19-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	28-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
Total		30	64	13	206	78,790	440,343	645	4,846	99,295	315,973	1,238	9,869
Average weight					15.8		5.6		7.5		3.2		8.0
Grand Total		119	1,027	1,314	13,698	243,704	1,353,399	27,490	182,187	3,739,015	12,495,983	165,973	1,332,066

Note: Westside Kodiak Management Plan units include the Southwest Afognak Section, the Northwest Kodiak District, except for the Spiridon Bay Special Harvest Area, and the Southwest Kodiak District. Conf=confidential.

Appendix E6.–Set gillnet salmon harvest, by species for Westside Management Plan units, 2009.

Management Unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Northwest Kodiak District													
	9-Jun	35	35	9	92	8,952	47,933	0	0	0	0	260	1,732
	10-Jun	47	69	23	326	17,389	94,642	0	0	4	13	445	2,962
	14-Jun	39	41	17	211	8,884	48,801	0	0	17	63	219	1,501
	15-Jun	49	62	26	317	11,495	61,193	0	0	28	103	404	2,715
	6-Jul	48	55	7	80	15,416	91,654	23	154	6,081	21,824	2,373	18,041
	7-Jul	50	63	18	209	21,987	131,129	97	674	12,516	42,764	5,095	36,178
	8-Jul	54	57	15	207	14,834	85,764	101	740	11,830	41,218	4,172	30,382
	9-Jul	53	58	21	218	8,727	53,574	163	1,153	10,202	35,873	3,499	25,774
	10-Jul	57	70	12	142	8,839	53,004	233	1,651	11,909	42,154	4,013	30,147
	13-Jul	32	35	7	71	3,884	24,201	224	1,530	7,199	26,007	1,747	12,704
	14-Jul	60	70	7	114	10,892	65,332	859	4,363	18,822	67,665	5,487	40,589
	15-Jul	60	73	11	145	11,715	69,959	647	4,337	23,537	88,382	6,857	50,414
	16-Jul	56	62	7	77	10,546	62,891	766	5,103	24,522	96,897	8,401	60,552
	17-Jul	56	74	6	79	6,746	40,108	542	3,709	18,762	75,582	6,892	48,762
	20-Jul	49	54	8	81	4,722	29,084	443	2,963	19,306	74,034	2,749	20,371
	21-Jul	50	53	7	61	5,441	32,968	378	2,635	17,582	67,943	3,565	25,988
	22-Jul	53	68	10	89	5,436	33,871	689	4,755	31,272	118,083	6,612	49,548
	23-Jul	49	55	7	74	4,649	29,292	441	3,142	33,078	128,760	5,061	37,121
	24-Jul	53	61	8	102	7,416	40,150	554	3,796	35,763	140,774	5,605	41,692
	25-Jul	46	50	3	22	7,311	41,191	521	3,669	33,403	133,046	5,336	38,989
	26-Jul	45	63	6	66	7,325	41,667	590	4,172	38,979	154,878	6,487	50,126
	27-Jul	51	65	3	38	5,880	33,095	493	3,468	37,267	144,908	6,208	46,457
	28-Jul	51	56	4	58	9,640	51,788	518	3,646	40,106	157,218	6,830	50,431
	29-Jul	52	65	8	117	11,438	62,821	695	4,757	47,403	182,937	8,904	66,018
	30-Jul	52	61	3	30	8,911	49,422	482	3,895	45,201	174,451	7,704	57,085
	31-Jul	54	70	2	24	10,286	58,412	2,030	9,358	53,846	205,130	8,666	63,704
	1-Aug	55	79	5	83	7,924	45,186	787	5,465	41,492	158,040	6,476	47,879
	2-Aug	54	62	5	75	4,233	24,004	677	4,735	30,626	116,261	4,929	37,216
	3-Aug	45	51	8	70	4,411	23,911	785	5,598	34,755	132,684	6,165	45,148
	4-Aug	48	60	5	63	2,558	14,549	373	2,754	36,767	134,816	5,092	38,163
	5-Aug	47	68	4	38	4,140	22,821	529	3,868	45,981	176,481	5,169	39,596

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Management Unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Northwest Kodiak District (cont.)	6-Aug	54	70	5	50	6,940	38,616	964	7,187	45,051	172,332	4,591	34,919
	7-Aug	54	71	7	101	9,381	53,236	1,376	10,294	47,548	181,652	4,998	38,131
	8-Aug	48	57	2	26	7,799	42,986	1,222	8,873	36,966	143,734	3,453	25,681
	9-Aug	51	72	3	19	10,946	61,599	3,024	19,164	63,049	243,769	5,626	43,567
	10-Aug	56	74	1	6	7,186	41,154	2,041	15,131	51,550	200,851	4,208	31,868
	11-Aug	53	69	2	24	5,282	30,529	1,790	13,696	45,195	178,636	3,491	26,864
	12-Aug	45	57	0	0	4,813	27,210	1,138	8,517	38,799	150,863	2,608	19,494
	13-Aug	44	47	3	88	3,852	21,900	1,100	8,231	32,491	128,141	2,136	15,590
	14-Aug	46	57	0	0	2,541	14,482	1,609	12,150	38,033	148,921	3,014	22,749
	15-Aug	35	39	2	39	3,423	19,236	970	7,322	31,004	119,443	2,395	17,459
Total		78	2,478	307	3,732	334,190	1,915,365	29,874	206,655	1,197,942	4,607,331	187,942	1,394,307
Average weight					12.2		5.7		6.9		3.8		7.4

APPENDIX F. NORTH SHELIKOF FISHERY SUMMARY

Appendix F1.–Narrative account of the North Shelikof Strait sockeye salmon fishery in the Kodiak Management Area, 2009.

INTRODUCTION

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

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

By regulation, "seaward zones" are established in each management unit. These zones are comprised of all waters seaward of a line which is drawn from cape to cape[1]. The seaward zone of the Southwest Afognak management unit closes to fishing if 50,000 sockeye salmon are harvested from July 6 through July 25. The seaward zone of the North Shelikof management unit closes to fishing if 15,000 sockeye salmon are harvested from July 6 through July 25. If a seaward zone closure occurs, only the inshore "shoreward zone" (all waters inside the line) will remain open to commercial fishing during normal fishing periods (Appendix F2; Wadle and Dinnocenzo 2009).

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

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[1] In 1993, the seaward zone boundary of the Southwest Afognak unit was modified by the Alaska Board of Fisheries. The seaward zone boundary was moved 1/2 mile offshore of the line running cape to cape, in order to allow for traditional harvest opportunities of pink salmon. In 2008, the seaward zone boundary of that potion of the North Shelikof unit in the Northwest Afognak Section was moved ½ mile offshore of the line running cape to cape in order to allow for traditional harvest opportunities for pink salmon.

2009 Summary

With the expectation of a strong pink salmon run in 2009 (Volk et al. 2009), three 105-hour fishing periods were scheduled preseason in the Southwest Afognak management unit and that portion of the North Shelikof management units including the Northwest Afognak and Shuyak sections, during the period when the NSSSSMP was in effect (July 6 through July 25; Wadle and Dinnocenzo 2009). The NSSSSMP prescribes 57-hour fishing periods in that portion of the North Shelikof management unit in the Mainland District and three fishing periods were scheduled to open simultaneously with openings elsewhere in the North Shelikof Strait fishery, primarily to help disperse the fleet.

First Fishing Period (July 6 to 10)

The first fishing period was characterized by moderate sockeye salmon abundance but low effort. Only eight permit holders made landings in the North Shelikof management unit and harvested 161 Chinook, 12,212 sockeye, 121 coho, 36,722 pink, and 4,770 chum salmon (Appendix F5).

Fishing effort was slightly higher in the Southwest Afognak management unit with twelve permit holders harvesting 81 Chinook, 20,319 sockeye, 91 coho, 43,936 pink, and 5,301 chum salmon in the first period (Appendix F6).

Second Fishing Period (July 13 to 17)

The number of the boats fishing in the North Shelikof management unit at the start of this period (4) was only half of what was present in the first period. The four permit holders in the North Shelikof management unit caught 10 Chinook, 2,021 sockeye, 86 coho, 7,540 pink, and 420 chum salmon (Appendix F5). Based on the preliminary information department staff had available at the end of this period, it appeared the harvest trigger of 15,000 sockeye salmon had been achieved and the seaward zones of the North Shelikof management units were closed.

During the second period in the Southwest Afognak management unit, the fleet increased to 18 boats which harvested 71 Chinook, 12,737 sockeye, 1,072 coho, 59,029 pink and 5,539 chum salmon (Appendix F6). This brought the cumulative sockeye salmon harvest, since July 6, to just over 33,000 fish, still well below the established trigger of 50,000 fish.

Third Fishing Period (July 20 to 25)

With the seaward zones closed, harvest effort during this period was sporadic in the North Shelikof management unit. Four permit holders harvested 8 Chinook, 1,412 sockeye, 413 coho, 3,432 pink and 871 chum salmon (Appendix F5).

Effort and harvest rates dropped off during this period in the Southwest Afognak Section and it became apparent that the harvest trigger would not be reached. With a strong pink salmon run in

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most areas of the KMA, the fishing period was extended in the Southwest Afognak unit (along with many other areas) beyond July 25, the last day when the NSSSMP was in effect. From July 20 through July 25, seven permit holders harvested 30 Chinook, 9,631 sockeye, 794 coho, 66,252 pink, and 1,988 chum salmon in the Southwest Afognak unit (Appendix F6).

Season Totals

The 2009 North Shelikof management unit harvest for the time period of July 6 through July 25 totaled 179 Chinook, 15,645 sockeye, 620 coho, 47,694 pink, and 6,061 chum salmon, taken by 14 permit holders (Appendix F3 and F5). The average weight of the sockeye salmon harvested in the North Shelikof Unit was 5.4 pounds.

The 2009 Southwest Afognak Unit harvest for the time period of July 6 through July 25 totaled 182 Chinook, 42,687 sockeye, 1,957 coho, 169,217 pink, and 12,828 chum salmon, taken by 26 permit holders (Appendices F4 and F6). The average weight of the sockeye salmon harvested in the Southwest Afognak management unit was 5.9 pounds (Appendix F6). This was the largest sockeye salmon harvest in the Southwest Afognak management unit during the North Shelikof fishery since 2003.

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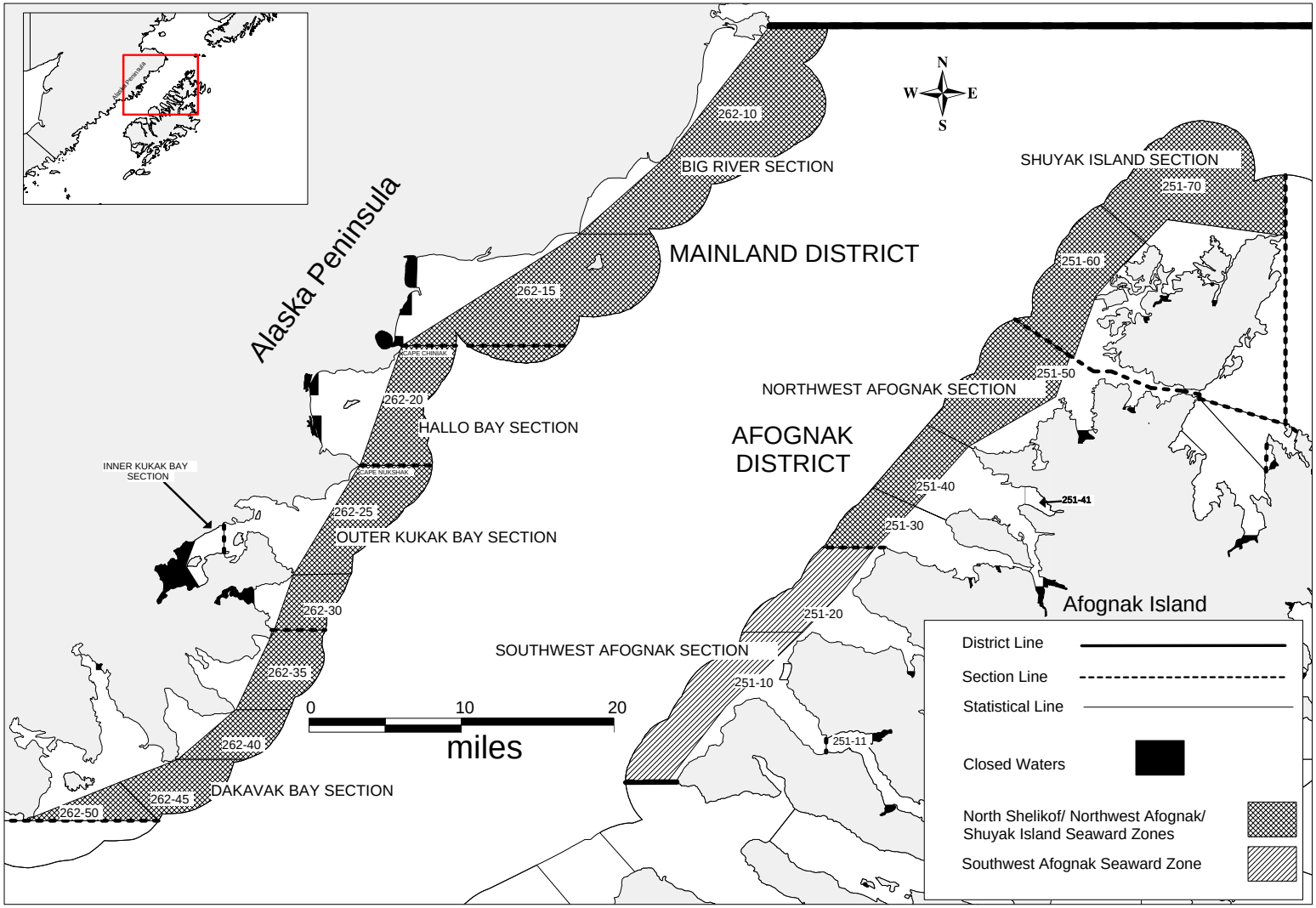

Appendix F2.–Map showing the North Shelikof management area.

Appendix F3.–Summary of fishing time, zone closures, effort, and harvest by species, for the North Shelikof management unit (15,000 sockeye salmon harvest trigger) of the Kodiak Management Area, 1991-2009.

Year	Mainland		N. Afognak		Zone Closure		Sockeye Harvest at time of zone closure	Number of Vessels	Total Salmon Harvest by Species - July 6 through July 25					Upper Cook Inlet sockeye harvest (in millions)
	# of days open to fishing	# of days Seaward Zone closed	# of days open to fishing	# of days Seaward Zone closed	Date	Time			Chinook	Sockeye	Coho	Pink	Chum	
1991	7.1	0.0	13.1	0.0	none	none	no closure	42	2,500	18,800	2,700	44,800	3,800	2.2
1992	7.1	5.1	9.1	7.1	7/8	1:00 PM	13,500	77	900	128,400	3,100	24,300	12,000	8.9
1993	7.1	4.7	13.8	8.9	7/10	5:00 PM	15,220	89	1,200	78,400	2,000	75,600	4,200	4.7
1994	7.1	2.8	9.1	4.8	7/14	11:00 AM	22,830	58	165	38,800	2,400	52,000	10,500	3.5
1995	7.1	3.3	13.3	8.5	7/13	10:00 PM	15,770	77	150	37,400	1,260	178,800	16,590	2.9
1996	7.1	4.3	7.1	4.3	7/15	10:00 PM	11,675	77	260	73,720	1,820	30,050	14,585	3.9
1997	7.1	4.9	10.1	7.9	7/8	5:00 PM	19,850	80	1,940	59,140	1,840	38,190	4,550	4.1
1998	7.1	2.4	10.1	4.4	7/16	9:00 PM	17,812	39	140	40,630	5,380	59,535	6,370	1.2
1999	7.1	3.3	10.1	6.4	7/13	10:00 PM	13,021	45	310	30,830	230	31,920	7,795	2.7
2000	7.1	0.0	10.1	0.0	none	none	no closure	31	68	9,225	1,045	20,215	22,155	1.3
2001	7.1	2.7	10.1	4.7	7/16	1:00 PM	14,729	26	245	22,321	9,943	33,534	10,348	1.8
2002	7.1	2.4	10.1	4.7	7/15	5:00 PM	16,600	35	295	35,290	13,181	238,734	13,708	2.8
2003	7.1	5.1	13.1	11.1	7/8	12:00 PM	16,448	37	120	33,122	1,054	35,151	6,500	3.5
2004	7.1	3.5	13.1	7.5	7/13	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	7/13	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	7/14	NOON	15,000	31	482	82,538	8,312	146,445	33,075	2.4
2007	7.1	4.7	13.8	8.9	7/8	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	7/15	9:00 PM	12,626	14	179	15,645	620	47,694	6,061	2.3

Note: In 1988, the Upper Cook Inlet sockeye salmon run was strong, with a commercial harvest was approximately 6,800,000 sockeye salmon. In the Kodiak Area, within the North Shelikof management unit from 7/6-25, 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 and Southwest Afognak management units (5 AAC 18.363).

Appendix F4.–Summary of fishing time, zone closures, effort, and harvest by species, for the Southwest Afognak management unit (50,000 sockeye salmon harvest trigger) of the Kodiak Management Area, 1991-2009.

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

Note: In 1988, the Upper Cook Inlet sockeye salmon run was very strong, with a commercial harvest was approximately 6,800,000 sockeye salmon. In the Kodiak Area, within the North Shelikof management unit from 7/6-25, 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 and Southwest Afognak management units (5 AAC 18.363).

Appendix F5.–Daily salmon harvest by species for the North Shelikof management units of the North Shelikof Strait Sockeye Salmon Management Plan, 2009.

			Chinook		Sockeye		Coho		Pink		Chum	
Date	Permits	Landings	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
First Period (July 6-July 10)												
6-Jul	5	5	109	1,336	2,397	13,939	37	303	15,146	46,994	2,500	22,190
7-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
8-Jul	5	5	49	479	3,439	18,932	77	525	9,441	29,585	1,347	10,849
9-Jul	3	3	2	27	3,181	16,204	7	48	8,306	26,269	379	2,697
10-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
Total	8	15	161	1,852	12,212	65,834	121	876	36,722	114,643	4,770	41,618
Avg. Wt.				11.5		5.4		7.2		3.1		8.7
Second Period (July 13-17)												
13-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
15-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
16-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
17-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
Total	4	6	10	140	2,021	10,256	86	566	7,540	23,019	420	3,614
Avg. Wt.				14.0		5.1		6.6		3.1		8.6
Third Period (July 20-24)												
20-Jul	3	3	8	132	1,387	8,323	409	2,872	3,070	9,209	854	6,709
22-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
Total	4	4	8	132	1,412	8,445	413	2,893	3,432	10,296	871	6,846
Avg. Wt.				16.5		6.0		7.0		3.0		7.9
North Shelikof Management Harvest July 6-25												
Total	14	25	179	2,124	15,645	84,535	620	4,335	47,694	147,958	6,061	52,078
Avg. Wt.				11.9		5.4		7.0		3.1		8.6

Note: Conf=confidential

Appendix F6.–Daily salmon harvest by species, in the Southwest Afognak management units of the North Shelikof Strait Sockeye Salmon Management Plan, 2009.

			Chinook		Sockeye		Coho		Pink		Chum	
Date	Permits	Landings	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
First Period (July 6-10)												
7-Jul	3	3	4	31	2,869	18,475	0	0	3,594	10,787	814	6,536
8-Jul	7	7	56	289	8,065	44,638	52	414	16,343	46,699	2,251	17,122
9-Jul	6	6	15	177	5,741	34,449	16	126	13,978	45,487	1,188	9,396
10-Jul	4	4	6	79	3,644	21,252	23	144	10,021	32,775	1,048	7,539
Total	12	20	81	576	20,319	118,814	91	684	43,936	135,748	5,301	40,593
Avg. Wt.				7.1		5.8		7.5		3.1		7.7
Second Period (July 13-17)												
13-Jul	4	4	5	36	1,130	5,293	69	503	5,457	17,055	355	2,933
14-Jul	7	7	27	156	2,596	14,675	137	1,001	11,787	39,922	829	6,573
15-Jul	5	5	10	164	3,492	16,872	322	2,588	15,468	48,214	1,538	13,225
16-Jul	3	3	7	45	2,910	16,024	237	1,670	12,849	40,880	1,504	12,639
17-Jul	9	9	22	214	2,609	15,935	307	2,183	13,468	43,854	1,313	10,864
Total	18	28	71	615	12,737	68,799	1,072	7,945	59,029	189,925	5,539	46,234
Avg. Wt.				8.7		5.4		7.4		3.2		8.3
Third Period (July 20-25)												
20-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
21-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
22-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
23-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
24-Jul	5	6	22	160	3,443	29,452	434	3,193	28,896	103,487	1,282	10,745
25-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
Total	7	14	30	206	9,631	63,985	794	5,261	66,252	225,279	1,988	15,889
Avg. Wt.				6.9		6.6		6.6		3.4		8.0
Season												
Total	26	62	182	1,397	42,687	251,598	1,957	13,890	169,217	550,952	12,828	102,716
Avg. Wt.				7.7		5.9		7.1		3.3		8.0

Note: Conf=confidential

APPENDIX G. EASTSIDE AFOGNAK FISHERY SUMMARY

Appendix G1.–Narrative account of the Eastside Afognak salmon fishery in the Kodiak Management Area, 2009.

INTRODUCTION

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

2009 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 6 based on local pink, chum, and coho salmon. The initial opening for this system is normally scheduled for June 14 (Wadle and Dinnocenzo 2009). Small returns of sockeye salmon to Afognak Lake resulted in no directed commercial sockeye salmon harvest in 2009. However, for the second year in a row, the run was strong enough to allow subsistence harvest of fish, without any closed waters expansions, which were necessary to conserve sockeye salmon in past years. The 2009 sockeye salmon escapement into Afognak Lake was 31,358 fish (Table 4; Caldentey *in prep*), within the escapement goal range of 20,000 to 50,000 fish (Honnold et al. 2007).

In order to allow harvest opportunity of local pink and coho salmon runs in the Southeast Afognak Section, commercial fishing was initially allowed in this section starting July 6 for four weekly 105-hour fishing periods. The fourth period was extended until August 7 on the basis of a generally strong and underutilized pink salmon run followed by an opening August 10 that was extended until the end of August. In 2009, twenty permit holders harvested 41 Chinook, 2,522 sockeye, 2,756 coho, 155,012 pink, and 2,247 chum salmon (Appendix G3).

The commercial salmon fishery targeting Kitoi Bay Hatchery fish began on June 9 with the last delivery occurring on September 23. In fisheries targeting the Kitoi Bay Hatchery return, which include the Duck Bay, Izhut Bay, Inner Kitoi and Outer Kitoi Bay sections, 128 permit holders harvested 691 Chinook 82,294 sockeye, 151,881 coho, 8,939,194 pink, and 93,299 chum salmon (Appendix G3). The hatchery pink and chum salmon harvests were below harvest forecasts (Table 9; Volk et al. 2009) but the sockeye and coho salmon harvest was stronger than expected.

There was a cost recovery fishery near the Kitoi Bay Hatchery, with mostly pink salmon harvested and sold by Kodiak Regional Aquaculture Association. The cost recovery fishery took approximately 2.2 million pink salmon (7.0 million pounds), about 25% of the Kitoi Bay Hatchery pink salmon 2009 harvest. In 2009, 15,195 sockeye, 27,076 coho, and 1,779 chum salmon were also harvested in the cost recovery fishery.

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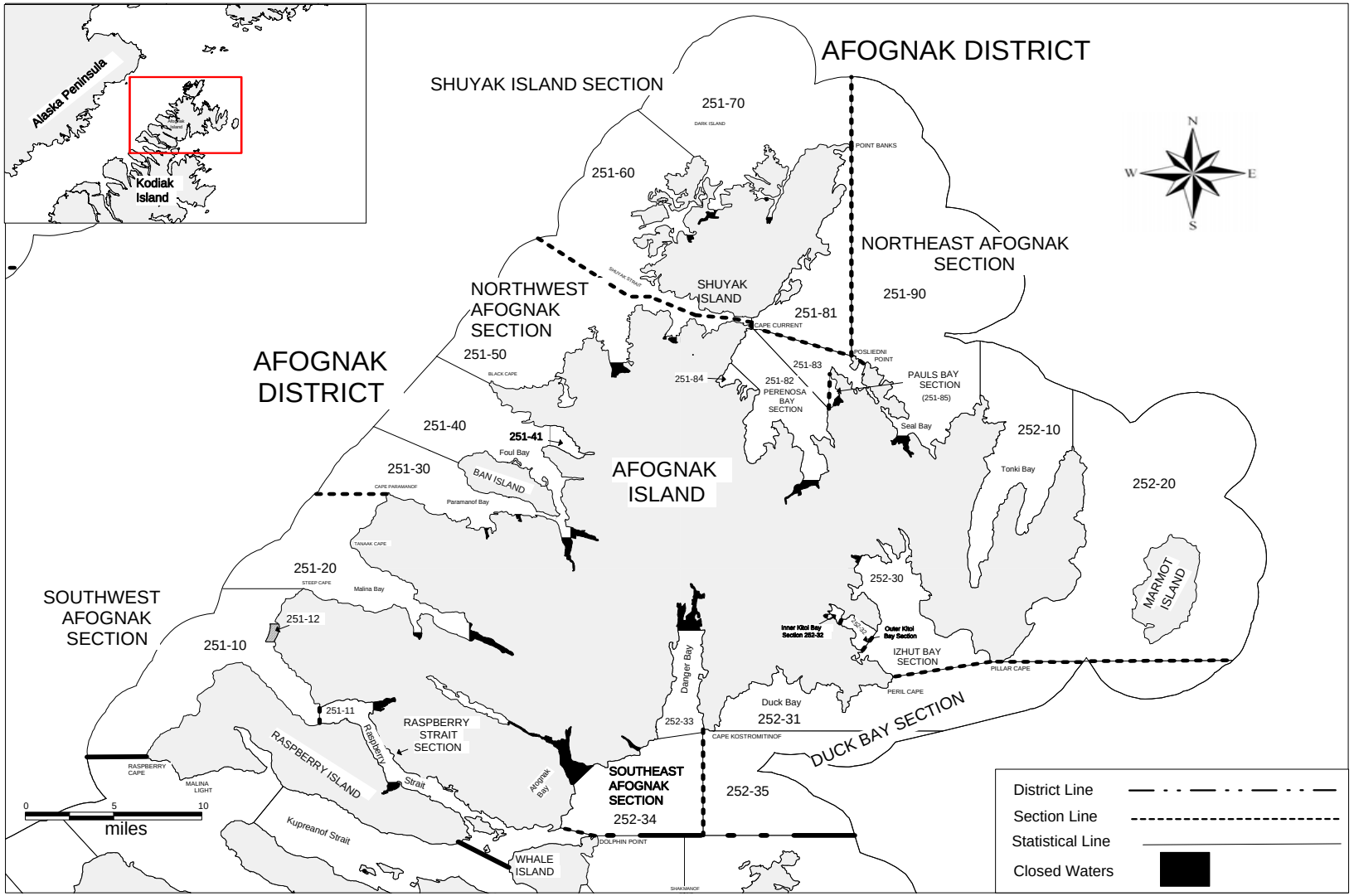

Appendix G2.–Map of the Afognak District of the Kodiak Management Area.

Appendix G3.–Daily salmon harvest, by species, for the management units of the East Afognak Management Plan, 2009.

Management Unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Raspberry Strait Section 251-11													
Total		0	0	0	0	0	0	0	0	0	0	0	0
Southeast Afognak Section													
252-34 & 33	7-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	20-Jul	3	3	12	113	267	1,579	85	594	7,151	23,625	382	2,394
	21-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	23-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	24-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	28-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	29-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	2-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	3-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	4-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	5-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	7-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	12-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	13-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	15-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	23-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	25-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	26-Aug	3	3	0	0	155	851	329	2,901	19,784	63,011	23	137
	27-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	28-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	29-Aug	3	4	0	0	107	585	1,162	9,249	15,403	47,458	20	126
	30-Aug	3	3	0	0	15	76	138	1,132	3,061	10,887	4	29
Total		20	36	41	239	2,522	13,634	2,756	21,406	155,012	506,102	2,247	16,268
Average weight					5.8		5.4		7.8		3.3		7.2

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Appendix G3.–Page 2 of 7.

Management				Chinook		Sockeye		Coho		Pink		Chum	
Unit	Date	Permits	Landings	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Izhut Bay Section	9-Jun	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
252-30	16-Jun	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	17-Jun	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	18-Jun	3	3	9	147	274	1,501	0	0	333	1,071	560	4,424
	19-Jun	3	3	19	200	199	997	0	0	230	719	665	6,012
	20-Jun	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	22-Jun	7	7	6	41	1,270	6,987	1	6	3,008	9,241	2,417	20,442
	23-Jun	5	5	4	24	138	722	0	0	272	558	1,011	6,911
	24-Jun	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	25-Jun	5	6	1	7	493	2,294	0	0	1,505	3,170	2,376	15,074
	26-Jun	4	4	12	86	399	1,930	0	0	726	1,815	2,180	16,029
	27-Jun	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	18-Jul	5	5	0	0	325	1,859	37	199	2,876	9,244	221	1,416
	19-Jul	5	7	0	0	925	6,869	100	746	10,923	33,515	647	5,186
	20-Jul	8	8	55	203	979	6,944	241	1,925	7,515	23,079	651	5,365
	21-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	22-Jul	5	5	0	0	1,222	8,465	73	581	14,342	43,893	640	5,511
	23-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	25-Jul	6	6	0	0	944	7,224	106	694	16,946	54,135	499	4,123
	8-Aug	21	22	1	15	273	1,491	161	1,103	115,647	369,740	71	483
	9-Aug	20	22	0	0	325	1,897	240	1,685	108,361	358,974	118	881
	10-Aug	10	10	0	0	349	2,026	212	1,598	93,863	287,623	53	371
	11-Aug	8	9	0	0	146	747	287	2,049	71,309	268,288	52	385
	12-Aug	16	17	0	0	246	1,491	701	5,490	130,852	424,566	92	623
	13-Aug	16	16	1	28	126	692	483	3,533	89,734	313,207	17	129
	14-Aug	16	18	0	0	170	1,001	345	2,639	98,610	298,702	68	322
	15-Aug	24	28	0	0	1,165	6,011	1,345	9,521	175,609	555,648	73	580
	16-Aug	19	22	0	0	195	1,056	2,015	14,392	81,023	268,988	14	94
	17-Aug	11	11	0	0	64	288	776	5,423	42,671	128,080	16	93
	18-Aug	9	9	0	0	59	262	1,226	7,804	21,320	68,605	38	238
	19-Aug	12	12	0	0	82	408	685	5,768	23,060	75,818	59	429
	20-Aug	5	5	0	0	16	82	589	5,291	15,617	51,434	8	64
	21-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf

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Management				Chinook		Sockeye		Coho		Pink		Chum	
Unit	Date	Permits	Landings	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Izhut Bay Section	29-Aug	18	20	0	0	54	273	4,985	36,953	24,784	86,677	16	114
(cont.)	30-Aug	13	14	0	0	49	256	4,445	34,731	27,258	94,784	9	65
	31-Aug	6	7	0	0	12	58	1,606	12,219	3,842	13,088	4	23
	1-Sep	12	12	0	0	77	410	2,920	24,948	11,092	37,308	3	27
	2-Sep	8	8	0	0	3	12	1,624	12,925	3,321	11,707	1	6
	3-Sep	6	6	0	0	2	14	2,953	24,113	4,693	14,527	7	39
	4-Sep	4	4	0	0	0	0	463	3,885	1,347	4,624	0	0
	5-Sep	6	6	0	0	0	0	1,465	11,538	1,964	7,578	59	473
	6-Sep	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	7-Sep	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	8-Sep	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
Total		85	357	135	1,115	12,090	72,138	30,792	237,021	1,233,279	4,011,655	16,867	129,265
Average weight					8.3		6.0		7.7		3.3		7.7
Duck Bay Section													
252-31 & 35	12-Jun	4	4	0	0	392	1,913	0	0	237	723	506	3,851
	13-Jun	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	14-Jun	3	3	28	245	1,365	6,640	0	0	960	2,668	498	3,550
	15-Jun	4	4	20	186	1,032	5,350	0	0	583	2,030	575	4,014
	16-Jun	5	5	11	145	2,092	12,433	0	0	1,354	4,466	522	3,848
	17-Jun	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	18-Jun	6	6	15	74	2,273	11,366	0	0	4,674	13,495	1,606	7,339
	19-Jun	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	20-Jun	5	5	3	13	947	4,939	0	0	1,772	6,347	556	4,127
	21-Jun	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	22-Jun	8	8	8	47	858	4,916	1	6	3,182	11,433	966	7,117
	23-Jun	4	4	4	40	739	4,279	0	0	3,223	12,316	748	5,986
	24-Jun	3	3	1	6	432	2,378	0	0	2,938	8,972	551	3,599
	25-Jun	6	6	12	26	1,149	6,001	0	0	6,182	18,707	1,570	10,769

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Management Unit	Date	Permits	Landings	Chinook Number	Chinook Pounds	Sockeye Number	Sockeye Pounds	Coho Number	Coho Pounds	Pink Number	Pink Pounds	Chum Number	Chum Pounds
Duck Bay Section (cont.)	26-Jun	5	5	5	34	563	2,954	0	0	2,136	7,999	1,203	5,702
	27-Jun	3	3	5	29	640	3,847	0	0	2,286	9,740	1,148	6,894
	6-Jul	6	6	24	159	1,192	6,701	131	891	2,650	8,864	2,988	20,939
	7-Jul	3	3	5	32	661	3,815	0	0	2,389	7,704	1,026	8,317
	8-Jul	7	7	34	130	1,724	9,825	96	563	4,601	13,956	3,512	25,281
	9-Jul	9	10	17	99	2,182	11,669	315	1,935	5,073	16,112	4,462	29,829
	10-Jul	6	6	3	38	1,951	12,079	292	2,096	6,328	22,217	4,106	33,054
	11-Jul	3	3	0	0	551	3,257	83	419	1,001	3,292	1,580	7,766
	12-Jul	11	12	39	221	3,637	20,725	769	5,538	18,797	53,665	4,278	31,439
	13-Jul	4	4	39	126	1,650	9,889	531	3,615	7,806	22,685	2,422	15,195
	14-Jul	5	5	3	15	1,391	5,578	431	2,639	4,139	14,816	1,304	9,754
	15-Jul	8	8	66	386	1,822	10,593	835	5,667	11,939	36,169	2,806	17,807
	16-Jul	4	4	0	0	200	1,256	47	270	1,367	4,279	267	1,709
	17-Jul	3	3	8	51	436	2,500	134	913	5,725	17,410	405	3,292
	18-Jul	6	6	15	81	1,670	9,961	570	4,323	13,362	45,202	1,878	15,691
	19-Jul	7	7	46	356	2,452	14,148	635	4,380	16,774	52,983	1,683	13,331
	20-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	21-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	22-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	23-Jul	8	8	0	0	1,850	10,684	102	607	26,168	81,926	879	6,648
	24-Jul	5	6	14	88	1,452	7,976	215	1,496	25,281	83,921	689	5,510
	25-Jul	4	4	4	42	1,150	5,850	280	1,836	32,649	101,914	799	5,553
	6-Aug	23	31	0	0	634	3,365	327	2,544	294,883	1,008,171	758	5,614
	7-Aug	49	59	0	0	1,120	6,263	550	3,864	549,985	1,847,377	593	4,195
	8-Aug	51	56	5	52	734	3,966	899	6,019	438,806	1,497,465	430	3,319
	9-Aug	55	57	16	244	558	2,850	1,020	6,460	367,068	1,242,026	2,549	11,468
	10-Aug	51	53	5	56	477	2,654	1,109	8,121	352,736	1,195,029	220	1,380

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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 (cont.)	11-Aug	48	52	0	0	675	3,672	1,369	9,118	423,196	1,363,353	796	5,770
	12-Aug	42	47	0	0	331	1,738	1,615	11,627	386,079	1,251,845	580	4,524
	13-Aug	43	50	2	26	452	2,170	3,228	21,525	365,541	1,243,793	4,807	22,450
	14-Aug	33	35	0	0	324	1,747	2,551	17,122	254,815	780,987	75	526
	15-Aug	19	21	0	0	598	2,905	2,162	15,588	165,344	587,332	43	289
	16-Aug	29	30	0	0	207	1,209	2,494	18,291	185,789	574,054	103	852
	17-Aug	26	27	1	6	129	718	2,278	14,823	147,146	432,412	40	311
	18-Aug	31	31	0	0	309	1,594	3,676	24,923	138,372	469,416	134	951
	19-Aug	29	30	1	14	358	2,081	25,546	98,708	185,953	561,798	148	1,077
	20-Aug	18	18	0	0	137	757	1,999	14,279	70,873	258,576	121	748
	21-Aug	21	21	0	0	472	2,455	6,372	37,233	160,392	466,602	103	674
	22-Aug	22	24	0	0	406	2,293	2,505	17,373	112,910	366,525	81	567
	23-Aug	26	26	0	0	377	2,039	3,669	27,165	94,362	339,231	147	1,058
	24-Aug	17	17	0	0	200	994	2,845	21,312	47,456	158,289	2,276	9,234
	25-Aug	18	19	0	0	220	1,116	2,651	20,744	39,489	141,612	51	324
	29-Aug	8	8	0	0	158	818	2,107	16,281	18,614	65,010	50	345
	30-Aug	15	16	0	0	303	1,603	5,436	42,899	23,498	93,677	1,166	5,283
	31-Aug	7	7	0	0	116	607	2,869	23,967	19,831	69,519	1,009	6,592
	1-Sep	4	4	0	0	31	184	805	6,936	7,906	24,494	12	88
	2-Sep	3	3	0	0	25	133	316	2,405	1,746	6,050	2	9
	3-Sep	5	5	0	0	27	137	1,216	8,527	4,682	17,281	6	30
	4-Sep	3	3	0	0	22	103	2,310	17,061	2,527	8,307	20	144
	5-Sep	3	3	0	0	25	129	1,254	9,133	1,630	6,481	100	827
	6-Sep	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	7-Sep	3	3	0	0	45	228	849	6,242	846	3,250	10	74
Total		118	924	475	3,211	49,938	273,609	92,138	571,718	5,087,920	16,802,230	63,173	414,343
Average weight					6.8		5.5		6.2		3.3		6.6

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Management Unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Inner & Outer Kitoi Bay sections													
252-32	10-Jun	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	12-Jun	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	14-Jun	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	15-Jun	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	16-Jun	3	3	2	32	28	123	0	0	32	62	360	2,903
	17-Jun	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	18-Jun	6	6	43	282	1,736	8,895	0	0	3,569	10,021	2,922	20,384
	19-Jun	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	21-Jun	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	23-Jun	3	3	2	20	198	928	0	0	54	207	1,158	8,756
	24-Jun	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	25-Jun	3	3	7	105	277	1,620	0	0	207	532	3,153	20,619
	28-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	29-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	30-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	31-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	1-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	2-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	3-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	4-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	5-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	6-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	7-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	8-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf

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Management Unit	Date	Permits	Landings	Chinook Number	Chinook Pounds	Sockeye Number	Sockeye Pounds	Coho Number	Coho Pounds	Pink Number	Pink Pounds	Chum Number	Chum Pounds
Inner & Outer Kitoi Bay sections (cont.)	9-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	10-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	11-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	12-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	13-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	14-Aug	21	23	0	0	263	1,259	209	1,526	186,177	577,775	19	117
	15-Aug	38	45	0	0	2,737	13,553	1,125	7,707	386,882	1,228,301	28	226
	16-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	17-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	18-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	19-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	20-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	21-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	1-Sep	3	3	0	0	4	17	272	2,601	839	3,165	0	0
	2-Sep	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	5-Sep	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	6-Sep	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	7-Sep	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	8-Sep	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	23-Sep	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
Total		61	150	81	732	20,266	93,354	28,951	195,243	2,617,995	8,185,282	13,259	88,861
Average weight					9.0		4.6		6.7		3.1		6.7

Management Unit	Date	Permits	Landings	Chinook Number	Chinook Pounds	Sockeye Number	Sockeye Pounds	Coho Number	Coho Pounds	Pink Number	Pink Pounds	Chum Number	Chum Pounds
Management Units Targeting Kitoi Hatchery (Inner & Outer Kitoi, Izhut and Duck Bay sections)													
Subtotal		128	1,413	691	5,058	82,294	439,101	151,881	1,003,982	8,939,194	28,999,167	93,299	632,469
Avg.Wt.					7.3		5.3		6.6		3.2		6.8
East Afognak Management Units													
Grand Total		129	1,448	732	5,297	84,816	452,735	154,637	1,025,388	9,094,206	29,505,269	95,546	648,737
Average weight					7.2		5.3		6.6		3.2		6.8

Note: Conf=confidentiality

APPENDIX H. SPIRIDON BAY SPECIAL HARVEST AREA FISHERY SUMMARY

Appendix H1.–Narrative account of the Spiridon Bay Special Harvest Area sockeye salmon fishery in the Kodiak Management Area, 2009.

INTRODUCTION

Adult sockeye salmon return each year to Telrod Cove in Spiridon Bay as a result of a juvenile stocking program of Spiridon Lake conducted by Kodiak Regional Aquaculture Association (Appendix H2). Some of these fish are harvested in Westside Kodiak commercial fisheries and the remainder are harvested in a terminal fishery in the Spiridon Bay Special Harvest Area (SBSHA) in Telrod Cove. A total return of approximately 183,000 Spiridon Lake sockeye salmon was expected in 2009 (Volk et al. 2009). Sockeye salmon stocked into Spiridon Lake were from Saltery Lake stocks. Spiridon Lake sockeye salmon are expected to return in late June to early July, peak in mid to late July, and end by mid-August. This run timing should follow the Saltery Lake sockeye salmon stock.

2009 Spiridon Bay sockeye salmon fishery

On June 21 the SBSHA in Telrod Cove was opened until further notice to allow harvest of enhancement project sockeye salmon. Thirty-two seiners harvested 81,725 sockeye, 48,921 pink, and 6,081 chum salmon in the SBSHA (Appendix H3). Fishing in the SBSHA was closed after the sockeye salmon run had subsided on August 12.

In 2009, salmon purse seine and set gillnet permit holders had a liberal fishing schedule in July and early August along the west side of Kodiak Island in traditional fishing areas during fisheries directed at strong west side pink and chum salmon runs. A higher percentage of Spiridon-bound sockeye salmon were harvested in those fisheries than in 2008, when the local pink and Karluk sockeye salmon runs were weak and fishing time was relatively short. The total contribution of sockeye salmon by the Spiridon enhancement project to the common property fishery was estimated at 155,025 fish, with approximately 53% (81,725 fish) harvested within the SBSHA and 47% (73,300 fish) harvested in the Southwest Afognak Section and Central and North Cape sections of the Northwest Kodiak District (Appendix H4). These estimates were based on analyses of commercial catch samples collected in season from the Westside Kodiak fisheries in 2009 (Matt Foster, personal communication), using the same analytical protocols used in 2008 (Dinnocenzo 2010).

REFERENCES CITED

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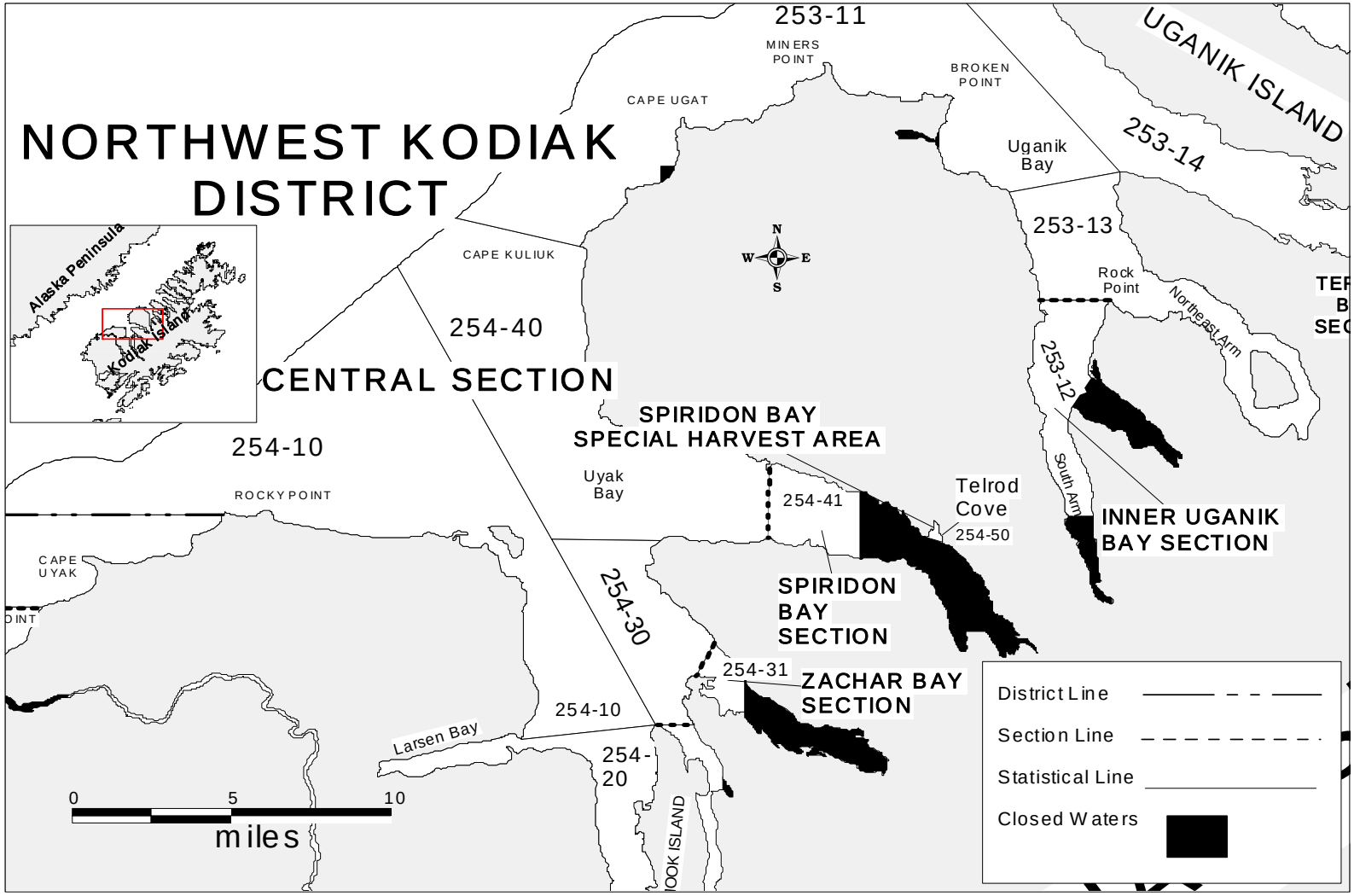
Volk, E. C., M. D. Plotnick and A. M. Carroll. 2009. Run forecasts and harvest projections for the 2009 Alaska salmon fisheries and review of the 2008 season. Alaska Department of Fish and Game, Special Publication No. 09-07, Anchorage.



Appendix H2.–Map showing Spiridon Bay Special Harvest Area in the Northwest Kodiak District.

Appendix H3.–Daily salmon harvest, by species and gear type, for the Spiridon Bay Special Harvest Area, 2009.

Management				Chinook		Sockeye		Coho		Pink		Chum	
Unit	Date	Permits	Landings	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Spiridon Bay SHA													
	21-Jun	18	18	0	0	3,341	20,068	0	0	3	11	3	27
	22-Jun	10	10	0	0	1,580	8,794	0	0	0	0	2	16
	23-Jun	4	4	0	0	128	751	0	0	2	5	0	0
	24-Jun	14	14	0	0	2,451	14,225	0	0	5	17	0	0
	25-Jun	6	6	0	0	753	4,460	0	0	2	6	2	20
	26-Jun	12	12	0	0	4,296	26,882	0	0	46	128	0	0
	27-Jun	7	7	0	0	1,099	6,894	0	0	43	148	1	10
	28-Jun	12	12	0	0	2,097	12,505	0	0	119	379	1	7
	29-Jun	10	10	0	0	641	4,024	0	0	32	99	3	17
	30-Jun	13	13	0	0	4,395	25,254	0	0	285	853	1	5
	1-Jul	7	7	0	0	1,341	8,495	0	0	157	455	0	0
	2-Jul	15	15	0	0	6,513	39,572	0	0	643	2,002	12	110
	3-Jul	11	11	0	0	3,920	24,907	0	0	824	2,722	10	98
	4-Jul	13	15	0	0	5,201	32,829	0	0	606	1,830	10	93
	5-Jul	10	10	0	0	3,125	18,533	0	0	347	1,126	4	32
	6-Jul	8	8	0	0	3,917	24,197	0	0	627	1,999	8	73
	7-Jul	14	14	0	0	7,094	44,310	0	0	1,426	4,675	12	118
	8-Jul	14	15	0	0	3,172	19,582	0	0	1,917	6,356	66	532
	9-Jul	6	6	0	0	1,083	6,851	0	0	597	2,324	39	363
	10-Jul	5	5	0	0	1,126	7,024	0	0	766	2,988	12	106
	11-Jul	9	10	0	0	1,848	11,732	0	0	1,634	5,747	51	385
	12-Jul	6	9	0	0	968	5,445	0	0	912	3,212	19	137
	13-Jul	6	6	0	0	1,067	6,534	0	0	1,100	4,107	25	205
	14-Jul	10	11	0	0	2,538	15,526	0	0	3,974	14,027	60	536
	15-Jul	6	6	0	0	760	4,457	0	0	1,415	5,227	40	353
	16-Jul	4	4	0	0	529	3,233	0	0	378	1,490	46	453
	17-Jul	7	8	0	0	664	4,565	0	0	955	3,243	7	73
	18-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	19-Jul	5	5	0	0	1,414	9,273	0	0	2,130	8,327	216	1,785
	20-Jul	4	4	0	0	1,695	8,475	0	0	2,772	11,112	456	3,687
	21-Jul	6	6	0	0	1,014	6,166	0	0	3,429	14,710	463	3,739

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Management Unit	Date	Permits	Landings	Chinook Number	Chinook Pounds	Sockeye Number	Sockeye Pounds	Coho Number	Coho Pounds	Pink Number	Pink Pounds	Chum Number	Chum Pounds
Spiridon Bay SHA (continued)	22-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	23-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	24-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	26-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	27-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	28-Jul	3	5	0	0	2,144	12,410	0	0	4,630	17,892	848	6,575
	29-Jul	3	3	0	0	2,046	8,852	0	0	4,994	20,111	2,116	15,906
	30-Jul	3	3	0	0	592	3,015	0	0	1,027	3,753	263	2,141
	31-Jul	5	5	0	0	768	3,918	0	0	1,825	7,302	447	3,658
	1-Aug	4	4	0	0	202	1,033	0	0	362	1,442	105	871
	2-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	3-Aug	3	3	0	0	459	2,538	0	0	871	2,617	122	598
	4-Aug	3	3	0	0	714	3,573	0	0	1,893	5,681	172	1,376
	5-Aug	3	3	0	0	249	1,250	0	0	568	1,707	68	550
	6-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	7-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	9-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	10-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	11-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	12-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
Total		32	331	0	0	81,725	488,046	0	0	48,921	181,400	6,081	47,742
Average weight							6.0				3.7		7.9

Note: Conf=confidential

Appendix H4.–Estimated contribution to the commercial harvest of the sockeye salmon Spiridon Lake enhancement project, by locality, in the Kodiak Management Area, 2009.

	Actual	Estimated	
	Telrod Cove	Southwest Afognak Section and NW Kodiak District	Westside Total
Total	81,725	73,300	155,025
Percent	53%	47%	100%

APPENDIX I. EASTSIDE KODIAK FISHERY SUMMARY

Appendix I1.–Narrative account of the Eastside Kodiak salmon fishery in the Kodiak Management Area, 2009.

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 in 2009 (Appendix I2), all sections were to remain closed to commercial salmon fishing until July 6, when the general pink salmon fishery began for most of the Kodiak Management Area (Wadle and Dinnocenzo 2009). Fishing opportunities through August 24 were to be based on the abundance of local and mixed pink and chum salmon, except that in the Buskin River Section from July 6 to 15 fishing could be allowed based on local pink salmon and Buskin River sockeye salmon. From August 25 to September 5, fishing periods were based on the abundance of local pink and coho salmon, and after September 5, on local coho salmon.

In the Eastside Kodiak District in 2009 (Appendix I3) including the Seven Rivers, Two Headed, and Sitkalidak sections, not more than two 33-hour fishing periods could occur from June 14 to July 5 to harvest local and migrating sockeye salmon. The Inner Ugak Bay Section could not open for more than two 33-hour fishing periods from June 14 to June 21. From June 22 to July 5 fishing opportunities were to be based on sockeye salmon bound to either the Pasagshak River in Outer Ugak Section or the Saltery River in Inner Ugak Section. From July 6 through August 24, fishing opportunities in all sections are to be based on the abundance of local and mixed pink and chum salmon, except that in Inner Ugak, Saltery sockeye salmon 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 (5 AAC 18.367).

Within the Buskin River Section of the Northeast Kodiak District, the Buskin Lake system produces a significant run of sockeye salmon which is targeted by a large number of subsistence fishermen. A weir is operated on the Buskin River to enumerate escapement. Within the Inner Ugak 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 to enumerate sockeye salmon. Other minor sockeye salmon systems are present in the Eastside Kodiak District, including Pasagshak Lake, Lake Miam, and Ocean Beach.

2009 Eastside Kodiak Fisheries

In 2009, the Saltery River weir was operated by Kodiak Regional Aquaculture Association. The advantage of measuring escapement with a weir (as opposed to aerial surveys, used when weirs are not available) provides for increased precision and timeliness of management of fisheries targeting this sockeye salmon run. The run was very strong this year and liberal fishing time, along with reduced closed waters, was initiated to attempt to prevent over escapement. Despite this, the sockeye salmon escapement past Saltery weir was 46,591 fish (Table 4; Caldentey *in prep*) and above the desired escapement goal range of 15,000 to 30,000 fish (Wadle and Dinnocenzo 2009). The Inner Ugak Section was first opened on June 14 then reopened on June 21 for two 33-hour periods in June. Fishing was reopened on June 27 and extended through July

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3, during which closed waters were also reduced to the stream terminus. Fishing in the Inner Ugak Bay Section was reopened July 6 with reduced closed waters and extended to continuous fishing for the rest of the salmon season. Closed waters were increased back to normal on August 7 to conserve pink and chum salmon needed for escapement in streams adjacent to the Saltery River.

For the second year in a row, the Buskin River had a weak run of sockeye salmon although the pink salmon run to this system was strong. No commercial fishing was allowed in the Buskin River Section until August 4, and the subsistence fishery was closed on June 15 through July 31 to conserve sockeye salmon needed for escapement. A total of 7,757 sockeye salmon escaped through Buskin River weir (Table 4; Caldentey *in prep*), just below the escapement goal range of 8,000 to 13,000 fish (Table 3; Honnold et al. 2007).

Generally chum salmon runs in the Eastside Kodiak fishery were of moderate strength. Pink salmon runs were strong and except for a 2-day closure in the Sitkalidak Section, all the Eastside Kodiak management units (Northeast and Eastside Kodiak Districts combined) were open to continuous fishing starting August 4 for the rest of the salmon season. The total commercial harvest for the Eastside Kodiak management units by 119 permit holders, included 2,502 Chinook, 116,554 sockeye, 48,514 coho, 6,899,145 pink, and 287,768 chum salmon (Appendix I4). The last landing from Eastside Kodiak management units occurred on September 5.

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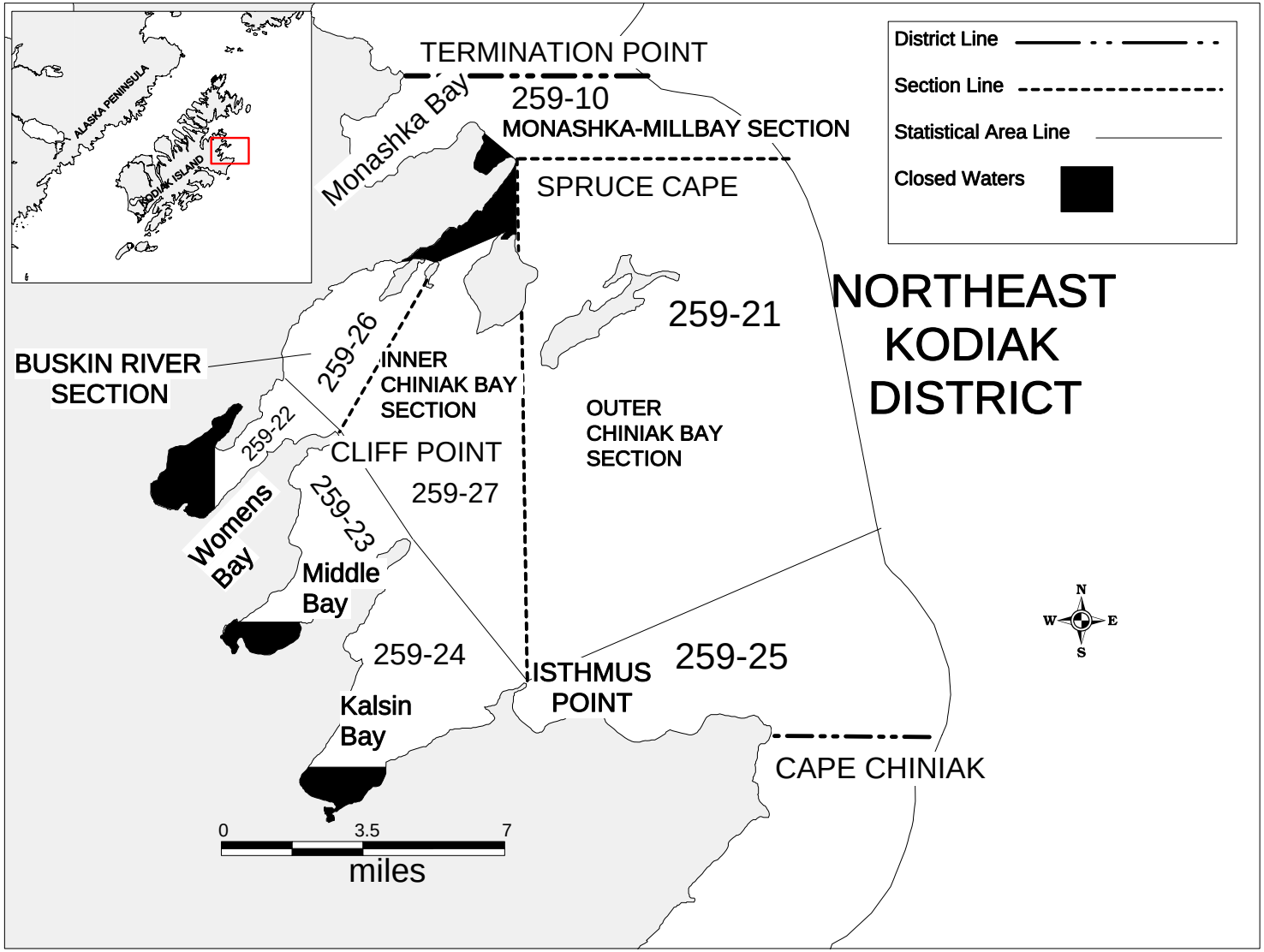
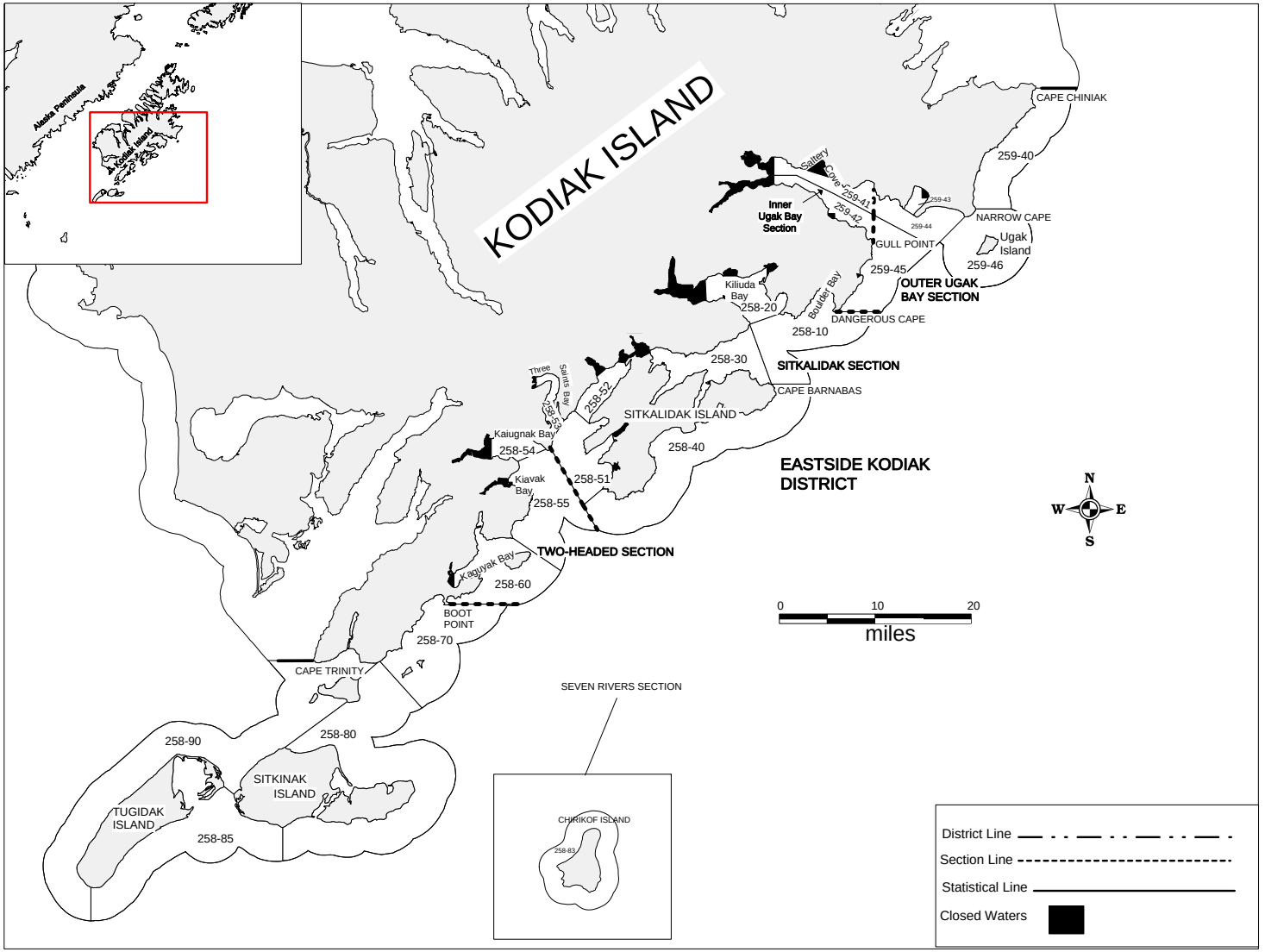


Appendix I2.–Map of the Northeast Kodiak District identifying commercial salmon fishing sections and statistical areas.



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

Appendix I4.–Daily commercial salmon harvest, by species, for the Eastside Kodiak Management Plan units, 2009.

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	4	4	40	626	3,837	23,121	0	0	1,702	4,345	3,963	27,220
	15-Jun	13	13	54	705	8,559	51,325	0	0	4,093	11,760	6,945	49,651
	21-Jun	14	14	192	1,654	5,994	32,683	0	0	8,600	25,521	4,891	34,653
	22-Jun	13	13	92	640	6,797	37,032	0	0	7,687	23,528	5,042	35,274
	27-Jun	4	4	3	33	1,135	6,420	0	0	7	19	1	14
	28-Jun	6	6	10	74	1,187	6,506	0	0	6	14	6	50
	29-Jun	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	30-Jun	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	1-Jul	3	3	8	135	482	2,587	0	0	145	428	14	96
	2-Jul	3	3	66	413	2,220	13,388	0	0	935	1,991	446	3,108
	3-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	6-Jul	8	8	72	462	3,918	22,095	597	3,568	4,915	15,572	1,365	8,905
	7-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	8-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	9-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	10-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	12-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	13-Jul	9	9	72	489	5,507	31,791	3,095	18,880	20,318	65,735	2,121	16,993
	14-Jul	9	10	63	546	5,559	29,483	5,514	33,312	15,438	46,320	3,410	27,311
	15-Jul	5	5	60	550	2,527	15,061	1,927	12,936	17,172	52,255	666	5,315
	16-Jul	8	11	882	2,807	9,825	51,047	7,476	47,407	32,550	103,340	2,928	22,797
	17-Jul	4	4	16	201	1,081	5,823	144	1,197	9,421	28,366	264	2,287
	18-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	19-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	20-Jul	8	8	54	406	2,237	13,095	596	3,749	29,268	104,675	1,585	11,572
	21-Jul	6	6	0	0	1,365	8,330	165	1,611	16,313	88,643	2,303	15,694
	22-Jul	10	14	3	88	3,325	20,157	528	3,490	88,901	337,308	5,433	39,963
	23-Jul	6	6	12	126	1,022	6,132	252	1,743	36,042	111,521	1,914	14,640
	24-Jul	16	16	26	317	3,595	20,244	570	4,099	88,541	269,610	3,304	28,280
	25-Jul	3	3	16	258	1,434	8,220	5	51	15,023	46,645	315	2,937
	26-Jul	5	5	0	0	878	5,007	0	0	10,266	30,799	313	2,292
	27-Jul	11	13	4	60	868	4,544	33	248	80,587	263,681	3,634	32,770
	28-Jul	15	15	45	465	1,342	7,533	98	576	102,559	356,230	4,294	35,363
	29-Jul	13	15	2	17	261	1,591	104	815	131,588	439,215	3,738	31,119
	30-Jul	21	24	24	459	1,378	7,777	210	1,555	230,745	743,541	3,967	35,253

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Management Unit	Date	Permits	Landings	Chinook Number	Chinook Pounds	Sockeye Number	Sockeye Pounds	Coho Number	Coho Pounds	Pink Number	Pink Pounds	Chum Number	Chum Pounds
Eastside Kodiak District (cont.)	31-Jul	18	18	20	315	918	5,407	77	681	129,492	416,484	2,502	20,142
	1-Aug	6	6	0	0	430	2,307	0	0	31,683	97,020	986	7,288
	2-Aug	5	5	0	0	203	1,151	0	0	20,895	62,690	996	7,168
	3-Aug	15	17	5	169	882	5,206	83	688	165,400	511,528	6,947	58,062
	4-Aug	20	25	2	32	909	5,365	125	830	243,148	743,582	12,264	98,819
	5-Aug	20	24	3	60	542	3,127	1,339	4,114	224,014	724,334	5,065	38,647
	6-Aug	23	30	7	128	482	2,777	8,196	24,983	273,769	869,789	4,470	36,800
	7-Aug	26	27	38	875	399	2,099	38	301	207,964	721,036	6,353	50,613
	8-Aug	6	8	0	0	67	425	28	172	116,676	382,989	705	5,145
	9-Aug	8	9	1	12	17	105	0	0	73,865	263,565	161	1,397
	10-Aug	19	28	5	103	132	859	6	73	324,729	1,021,655	2,339	22,231
	11-Aug	22	33	10	224	295	1,646	228	1,702	367,502	1,181,124	4,390	34,720
	12-Aug	22	27	3	57	1,382	8,071	444	3,556	311,702	1,022,460	6,556	51,846
	13-Aug	19	22	8	214	543	3,201	260	1,957	235,579	740,603	4,498	34,395
	14-Aug	16	18	2	36	463	2,589	398	2,694	197,847	654,069	4,438	42,513
	15-Aug	12	16	5	89	250	1,437	189	1,409	151,295	535,581	5,099	42,900
	16-Aug	17	18	2	45	380	2,039	158	1,159	172,402	527,129	7,525	58,992
	17-Aug	17	18	12	327	383	2,349	280	1,938	124,867	469,445	7,351	58,598
	18-Aug	22	24	6	116	751	4,183	280	1,980	183,364	629,811	15,538	124,867
	19-Aug	29	30	23	420	1,888	11,784	461	3,661	232,400	820,073	7,858	64,065
	20-Aug	28	28	6	96	743	4,155	374	2,919	160,228	529,821	12,223	95,827
	21-Aug	30	32	8	115	1,071	6,139	530	4,170	151,073	547,947	13,948	111,647
	22-Aug	29	31	7	97	1,188	6,795	517	3,922	132,437	483,247	12,124	94,805
	23-Aug	26	26	16	249	1,004	5,710	792	5,919	98,232	325,287	10,133	82,022
	24-Aug	18	18	2	48	785	4,524	505	3,798	75,774	270,065	3,534	25,956
	25-Aug	24	25	10	177	965	5,576	823	6,350	58,161	216,665	5,836	42,740
	26-Aug	14	14	9	172	680	3,690	509	4,115	42,685	140,272	3,112	25,467
	27-Aug	5	5	2	34	318	1,816	715	5,472	10,877	33,419	1,549	11,546
	28-Aug	10	11	10	203	281	1,654	626	5,348	29,193	94,417	7,265	52,201
	29-Aug	12	14	17	247	778	4,104	1,321	12,573	43,966	139,650	6,128	54,160
	30-Aug	8	8	13	241	191	1,089	376	3,282	17,089	55,820	2,387	20,723
	31-Aug	5	5	0	0	302	1,558	684	5,488	8,078	28,603	1,590	12,680
	1-Sep	3	3	0	0	3	18	5	41	8,241	28,846	1,277	8,950
	2-Sep	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	3-Sep	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf

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Appendix I4.–Page 3 of 4.

Management Unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Eastside Kodiak District (cont.)	4-Sep	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	6-Sep	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	9-Sep	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	13-Sep	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	22-Sep	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
Total		97	881	2,274	17,993	115,505	646,860	44,651	272,153	5,608,457	18,579,996	264,315	2,097,498
Average weight					7.9		5.6		6.1		3.3		7.9
Northeast Kodiak District													
	17-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	22-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	23-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	24-Jul	3	4	24	359	143	861	38	224	48,715	156,528	79	571
	25-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	26-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	27-Jul	10	12	17	230	13	60	10	70	94,547	316,690	63	544
	28-Jul	12	15	16	170	55	297	8	52	113,574	342,907	297	2,406
	29-Jul	14	15	0	0	2	8	3	12	92,792	302,045	405	3,232
	30-Jul	13	15	0	0	5	24	0	0	115,196	366,085	321	2,718
	31-Jul	15	16	1	8	20	98	4	30	47,499	156,833	1,094	8,233
	1-Aug	11	11	0	0	6	36	0	0	50,461	165,855	412	3,768
	2-Aug	9	11	0	0	8	41	0	0	32,248	118,221	703	5,961
	3-Aug	3	3	0	0	1	6	0	0	8,394	30,610	95	858
	4-Aug	13	13	3	81	12	57	6	42	33,749	123,274	2,966	25,973
	5-Aug	12	12	0	0	7	35	0	0	40,485	135,321	2,550	23,125
	6-Aug	8	8	1	15	10	50	26	167	49,543	168,402	1,419	11,771
	7-Aug	6	6	0	0	1	5	1	2	26,341	100,565	806	7,789
	8-Aug	3	3	0	0	16	97	3	22	11,680	41,417	424	4,039

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Management Unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Northeast Kodiak District (cont.)	9-Aug	6	8	0	0	3	15	0	0	72,417	230,233	582	4,632
	10-Aug	4	4	0	0	4	22	0	0	18,429	64,395	1,032	7,974
	11-Aug	8	8	9	106	2	12	6	36	30,787	94,742	549	4,876
	12-Aug	3	4	0	0	3	13	8	58	21,788	73,807	1,802	15,099
	13-Aug	4	4	0	0	1	8	8	43	17,857	64,399	262	1,940
	14-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	15-Aug	4	6	4	69	0	0	12	81	28,096	97,205	1,282	10,824
	16-Aug	4	4	0	0	0	0	14	117	12,206	45,994	938	8,226
	17-Aug	6	6	0	0	2	9	56	477	14,417	57,472	599	5,728
	18-Aug	13	15	3	51	30	154	102	655	46,871	172,412	1,572	14,474
	19-Aug	7	8	0	0	10	65	70	501	35,477	127,689	226	2,239
	20-Aug	5	5	0	0	5	26	33	220	18,791	66,574	353	2,953
	21-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	22-Aug	8	11	0	0	27	150	48	341	27,012	114,858	426	4,031
	23-Aug	5	7	1	12	70	381	2,384	9,636	24,105	95,195	137	1,196
	24-Aug	7	8	1	14	87	492	192	1,429	24,646	98,300	59	496
	25-Aug	8	8	0	0	57	341	139	1,193	18,448	70,432	238	1,612
	26-Aug	6	6	0	0	69	345	218	1,556	15,915	59,463	77	615
	29-Aug	3	3	0	0	5	25	119	922	4,539	16,162	637	6,094
	30-Aug	4	4	0	0	32	166	137	1,085	6,272	25,527	150	1,191
	1-Sep	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	3-Sep	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	5-Sep	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
Total		55	277	228	2,574	1,049	5,693	3,863	20,227	1,290,688	4,407,456	23,453	201,834
Average weight					11.3		5.4		5.2		3.4		8.6
Eastside Management Plan Total													
Total		119	1,157	2,502	20,567	116,554	652,553	48,514	292,380	6,899,145	22,987,452	287,768	2,299,332
Avg. wt.					8.2		5.6		6.0		3.3		8.0

Note: Conf=confidential

APPENDIX J. NORTH AFOGNAK/SHUYAK FISHERY SUMMARY

Appendix J1.–Narrative account of the North Afognak/Shuyak salmon fishery in the Kodiak Management Area, 2009.

INTRODUCTION

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

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

For the Perenosa Bay Section, from June 1 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 Pauls and Portage Lakes sockeye salmon. 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, though there could be no more than two 33-hour fishing periods. Additional fishing time could be allowed to harvest enhanced sockeye salmon bound for the Hidden Lake system, but only in the Foul Bay Special Harvest Area (FBSHA). From July 6 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

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salmon bound for the Hidden Lake system, but again only in the FBSHA. From July 6 to 25 the Northwest Afognak Section was also managed in accordance with the North Shelikof Strait Sockeye Salmon Management Plan (5 AAC 18.363).

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.

2009 North Afognak/Shuyak Island Fisheries

In 2009, the first commercial salmon fishing period for the North Afognak/Shuyak Island management units began June 9, and was limited initially to the Foul Bay and Waterfall Bay Special Harvest Areas. The 2009 harvest in FBSHA was small with low effort. Five permit holders harvested 1 Chinook, 6,508 sockeye, 3 pink and 1 chum salmon (Appendix J3). Most of the effort and harvest in the WBSHA fishery occurred in August. Six permit holders harvested 2,353 sockeye, 158 coho, 373,079 pink, and 261 chum salmon (Appendix J3). Although the sockeye salmon return to this system was small, the 2009 harvest of pink salmon in this area was unusually large and coincided with large escapements in local streams.

The Pauls Bay Section opened on June 14 and 21 for two 33-hour periods in order to test the strength of the sockeye salmon run but very little harvest effort occurred and the harvest is confidential (Appendix J3). Due to budget constraints, the Pauls Bay weir was not operated in 2009. Aerial and foot surveys were used to determine sockeye salmon escapement. The Pauls Bay Section was reopened on July 6 for a 105-hour fishing period, along with most other areas in the KMA to allow harvest of sockeye and pink salmon. Two other 105-hour fishing periods followed in July but there was little effort. A subsequent fishing period starting July 27 was extended through August 7 and there was some effort, mostly due to the strong local pink salmon run in the area. From August 8 through August 28, this section was closed to conserve a relatively weak coho salmon run. Once adequate coho salmon escapement was confirmed, the section was reopened on August 29 for the remainder of the season but the opening attracted little effort. The total 2009 harvest from this section by 12 permit holders included 47 Chinook, 12,690 sockeye, 1,097 coho, 152,180 pink and 1,566 chum salmon (Appendix J3).

The local Division of Parks, Department of Natural Resources staff and volunteers operated a fish counting weir on Big Bay Creek on the west side of Shuyak Island from August 10 through September 4, 2009 to enumerate coho salmon. The data from this weir was used in-season as an index of local coho salmon run strength in the Shuyak Island Section. A total of 865 coho salmon were counted through the weir (Caldentey *in prep*; Table 4). Although there is no established escapement goal for this system, the 2009 count was very small and a no commercial fishing time was allowed after August 7 to conserve coho salmon in the Shuyak Island Section. Despite fairly liberal amounts of fishing time allowed in this section in July and early August, no commercial salmon harvest occurred here in 2009 (Appendix J3).

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The last landing in the North Afognak/Shuyak Island management units occurred on September 4. In all the units of the North Afognak/Shuyak fishery combined, 43 permit holders harvested 327 Chinook, 63,259 sockeye, 10,779 coho, 2,041,750 pink, and 18,194 chum salmon in 266 landings during 2009 (Appendix J3). The pink salmon harvest was primarily in the Northeast Afognak Section.

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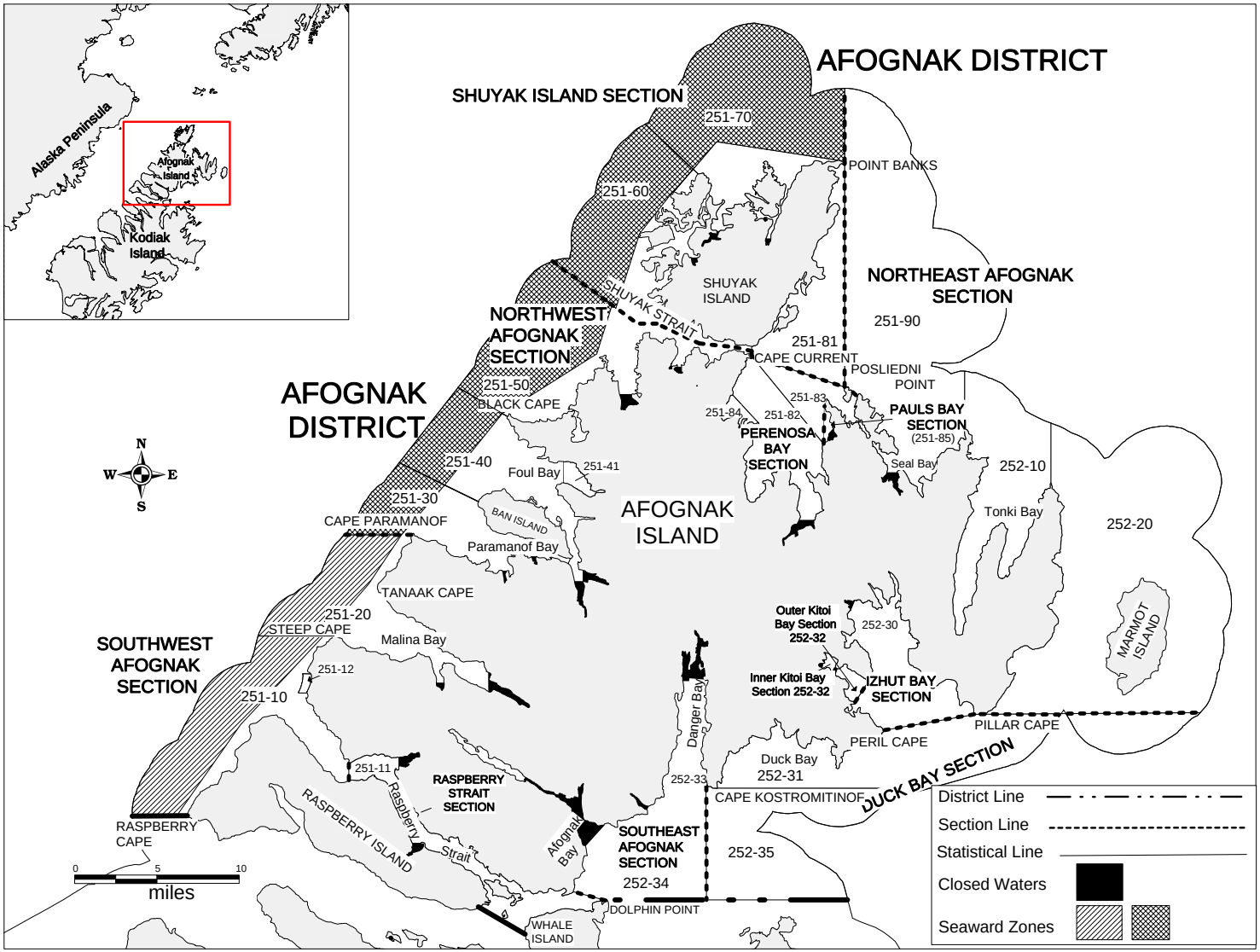

Appendix J2.–Map showing the Afognak District of the Kodiak Management Area.

Appendix J3.–Daily salmon harvest, by species, for the North Afognak/Shuyak Island management units, 2009.

Management Unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Northeast Afognak Section													
	7-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	8-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	9-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	10-Jul	3	3	8	29	321	1,990	117	747	911	2,905	592	4,182
	13-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	14-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	15-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	17-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	20-Jul	3	4	55	201	331	1,905	160	1,373	3,900	11,779	359	2,993
	21-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	22-Jul	3	3	3	20	80	580	57	392	3,864	11,991	123	1,003
	27-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	31-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	2-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	3-Aug	6	7	12	155	329	2,056	316	2,307	47,580	168,358	518	3,389
	4-Aug	4	4	1	7	451	2,437	84	671	42,335	145,805	494	2,987
	5-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	6-Aug	3	4	1	14	499	2,649	176	1,186	57,667	208,343	455	3,426
	7-Aug	3	3	0	0	191	976	84	603	32,773	118,301	115	880
	10-Aug	3	3	1	23	310	1,618	71	564	33,685	116,144	101	911
	11-Aug	5	7	4	38	395	2,149	285	2,117	55,064	212,112	188	1,619
	12-Aug	6	6	0	0	184	1,057	79	550	63,611	196,514	60	454
	13-Aug	6	6	0	0	1,090	6,265	245	1,835	78,973	263,974	309	1,930
	14-Aug	6	7	0	0	680	4,029	283	2,295	112,786	363,157	197	1,628
	15-Aug	6	6	2	15	445	2,359	191	1,590	73,205	237,521	127	1,082
	16-Aug	6	8	1	6	1,420	8,623	458	3,729	93,451	325,737	444	2,873
	17-Aug	7	7	0	0	750	5,076	272	2,132	50,346	160,989	256	1,814
	18-Aug	6	7	0	0	835	5,391	265	2,029	66,520	220,291	296	2,039
	19-Aug	6	6	0	0	839	5,140	218	1,619	51,066	175,669	139	1,040
	20-Aug	5	5	0	0	668	3,583	295	2,286	61,429	208,744	133	1,004
	21-Aug	5	6	1	20	350	1,883	174	1,151	61,004	187,904	23	195
	22-Aug	6	6	0	0	287	1,536	508	3,165	30,124	97,399	51	346

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Management Unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Northeast Afognak Section													
(cont.)	23-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	25-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	26-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	27-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	1-Sep	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
Total		24	142	271	1,638	17,015	96,367	6,672	48,894	1,149,309	3,875,747	13,641	99,774
Avg. Weight					6.0		5.7		7.3		3.4		7.3
Northwest Afognak Section													
(excluding Foul Bay	14-Jun	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
Special Harvest Area)	15-Jun	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	21-Jun	3	3	0	0	1,655	7,801	0	0	7	17	6	43
	22-Jun	3	3	0	0	4,178	19,998	1	8	0	0	2	16
	7-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	8-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	9-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	10-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	16-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	17-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	31-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	1-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	2-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	6-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	18-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	19-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	4-Sep	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
Total		14	24	5	39	21,679	109,594	393	2,883	63,776	201,339	2,060	18,665
Avg. Weight					7.8		5.1		7.3		3.2		9.1

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Management Unit	Date	Permits	Landings	Chinook Number	Chinook Pounds	Sockeye Number	Sockeye Pounds	Coho Number	Coho Pounds	Pink Number	Pink Pounds	Chum Number	Chum Pounds
Foul Bay Special Harvest Area													
	9-Jun	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	10-Jun	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	11-Jun	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	14-Jun	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	17-Jun	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	21-Jun	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	24-Jun	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	29-Jun	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
Total		5	8	1	9	6,508	38,974	0	0	3	9	1	5
Avg. Weight					9.0		6.0				3.0		5.0
Pauls Bay Section													
	14-Jun	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	15-Jun	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	21-Jun	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	6-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	15-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	20-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	23-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	27-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	29-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	3-Aug	3	3	0	0	93	534	104	905	17,307	58,206	112	994
	4-Aug	4	5	0	0	252	1,334	410	2,820	48,348	136,897	456	3,217
	5-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	7-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	30-Aug	3	3	0	0	3	17	116	812	664	2,658	0	0
Total		12	27	47	149	12,690	68,768	1,097	7,621	152,180	461,871	1,566	10,955
Avg. Weight					3.2		5.4		6.9		3.0		7.0

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Management Unit	Date	Permits	Landings	Chinook Number	Chinook Pounds	Sockeye Number	Sockeye Pounds	Coho Number	Coho Pounds	Pink Number	Pink Pounds	Chum Number	Chum Pounds
Perenosa Bay Section (Excluding Waterfall Bay Special Harvest Area)	22-Jun	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	28-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	29-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	31-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	4-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	6-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	7-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	10-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	11-Aug	5	6	0	0	102	630	86	651	54,859	212,714	69	431
	12-Aug	3	3	0	0	88	533	184	1,229	18,516	53,239	51	346
	16-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	17-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	18-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	19-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	20-Aug	4	4	0	0	123	966	199	1,408	12,643	39,319	54	392
	21-Aug	4	4	0	0	71	462	237	1,829	17,479	48,162	47	365
	31-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
Total		15	37	3	12	3,014	16,636	2,459	17,738	303,403	1,030,122	665	4,871
Avg. Weight					4.0		5.5		7.2		3.4		7.3
Waterfall Bay Special Harvest Area													
	9-Jun	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	11-Jun	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	13-Jun	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	16-Jun	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	19-Jun	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	31-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	1-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	2-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	3-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	4-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	5-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	6-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	7-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	10-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf

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Management Unit	Date	Permits	Landings	Chinook Number	Chinook Pounds	Sockeye Number	Sockeye Pounds	Coho Number	Coho Pounds	Pink Number	Pink Pounds	Chum Number	Chum Pounds
Waterfall Bay Special Harvest Area (cont.)	11-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	12-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	14-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	15-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	16-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	18-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	19-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	20-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
Total		6	35	0	0	2,353	12,002	158	1,245	373,079	1,110,651	261	1,788
Avg. Weight							5.1		7.9		3.0		6.9
Shuyak Island Section													
Total		0	0	0	0	0	0	0	0	0	0	0	0
Avg. Weight													
North Afognak/ Shuyak Management Plan Units													
Total		43	266	327	1,847	63,259	342,341	10,779	78,381	2,041,750	6,679,739	18,194	136,058
Avg. Weight					5.6		5.4		7.3		3.3		7.5

Note: Conf=confidential

APPENDIX K. MAINLAND DISTRICT FISHERY SUMMARY

Appendix K1.–Narrative account of the Mainland District salmon fishery in the Kodiak Management Area, 2009.

INTRODUCTION

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

The MDSMP provides that commercial salmon fisheries in the majority of the Mainland District remained closed until July 6, when the general pink salmon fishery begins for most of the Kodiak Management Area. The exceptions were the Cape Igvak Section (managed based on the strength of the Chignik sockeye salmon run through July 25) and two very limited (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 Section). From July 6 through 25, weekly fishing periods could not exceed 57 hours and fishing opportunities were to be based on the abundance of local and mixed stocks of pink and chum salmon, except in the Wide Bay Section, which remained closed. From July 25 to the end of the season, fishing periods were based on the abundance of local pink, chum and coho salmon.

2009 Mainland District Fisheries

On June 14 and again on 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 sockeye salmon. During the pink salmon season in the entire Mainland District (with the exception of the Wide Bay Section, which stayed closed and the Cape Igvak Section, which was already open through July 25 under the CISMP, then extended under the MDSMP), was opened on July 27 for 57 hours. Pink and chum salmon runs were much weaker in the Mainland District than in the Kodiak Archipelago, and only one more 105-hour opening was allowed during the peak of the pink salmon run from August 3 through 7. Additional fishing time was not allowed again in the Mainland District until August 17 (although the Inner Kukak Section remained closed) due to continued weak pink and chum salmon runs. The estimated pink salmon escapement of 430,100 fish (Table 3) was within the escapement goal range of 250,000 to 750,000 fish (Honnold et al. 2007). By August 29, chum salmon escapements were adequate in most streams of the Mainland District except for those in Kukak Bay. The entire district, except for the Inner Kukak Bay and Outer Kukak Bay sections, was reopened August 29 to allow an anticipated very small number of interested permit holders the opportunity to harvest coho salmon. The last landing for commercial salmon from the Mainland District occurred on September 4 (Appendix K3).

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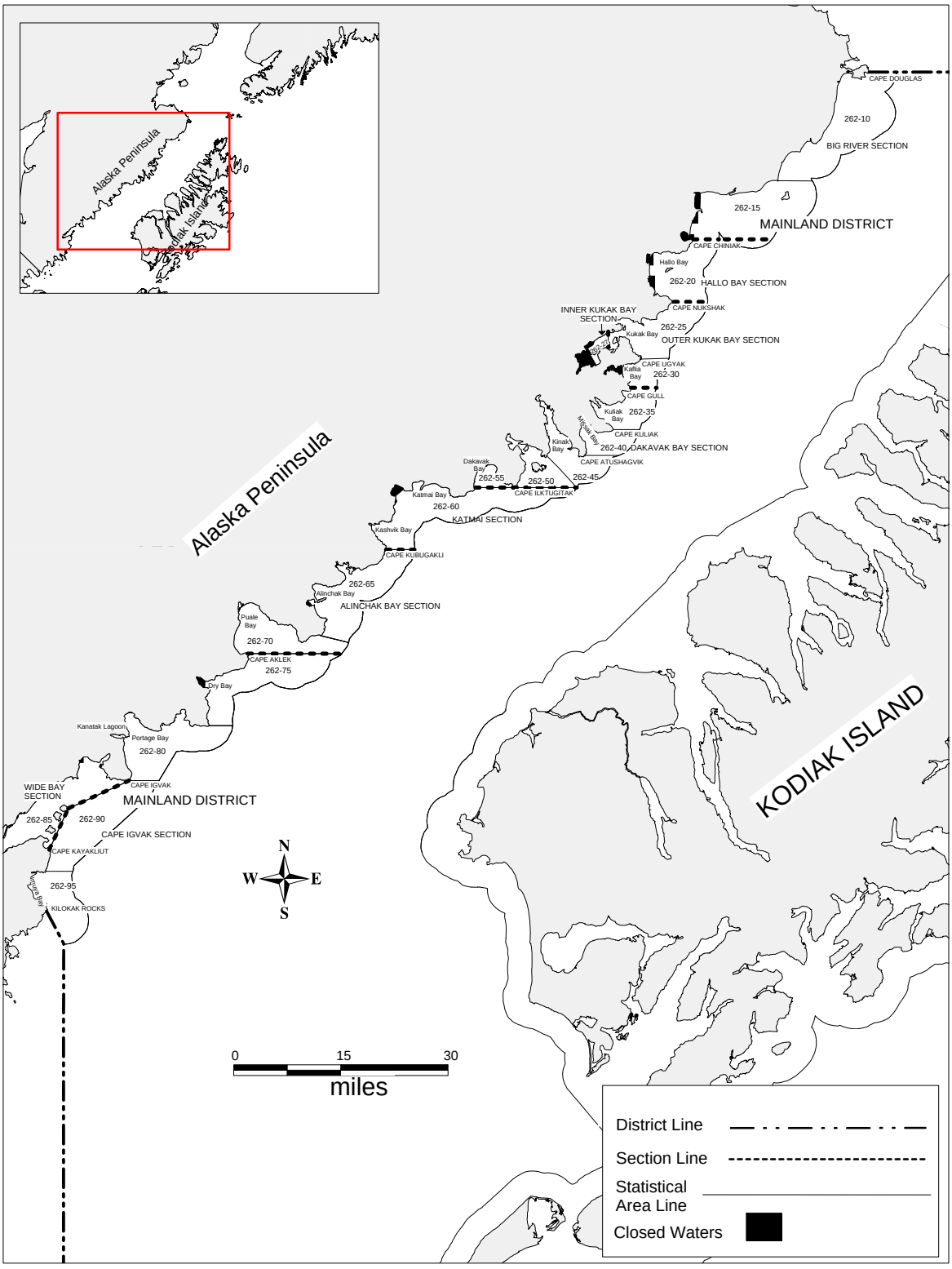
During 2009, the total commercial harvest by 34 permit holders in the Mainland District included 1,833 Chinook, 171,411 sockeye, 9,567 coho, 631,800 pink and 121,807 chum salmon (Appendix K3). This includes all salmon harvested along the Mainland, including those harvested under the direction of the CISMP and the NSSSSMP.

REFERENCES CITED

Honnold S. G., M. J. Witteveen, M. B. Foster, I. Vining, and J. J. Hasbrouck. 2007. Review of escapement goals for salmon stocks in the Kodiak Management Area, Alaska. Alaska Department of Fish and Game, Fishery Manuscript No. 07-10, Anchorage.



Appendix K2.–Map showing the Mainland District identifying commercial salmon fishing sections and statistical areas.

Appendix K3.–Daily commercial salmon harvest, by species, for the Mainland District Management Plan units, 2009.

Management Unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Big River Section													
Total		0	0	0	0	0	0	0	0	0	0	0	0
Hallo Bay Section													
Total		0	0	0	0	0	0	0	0	0	0	0	0
Avg. Weight													
Outer Kukak Bay Section													
	4-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
Total		Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
Avg. Weight													
Inner Kukak Bay Section													
	5-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
Total		Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
Avg. Weight													
Dakavak Bay Section													
	6-Jul	5	5	109	1,336	2,397	13,939	37	303	15,146	46,994	2,500	22,190
	8-Jul	4	4	47	469	1,538	8,476	77	525	5,689	18,328	1,113	8,501
	9-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	13-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	15-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	20-Jul	3	3	8	132	1,387	8,323	409	2,872	3,070	9,209	854	6,709
	22-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	28-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	29-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	18-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	2-Sep	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	4-Sep	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
Total		12	23	183	2,306	6,217	36,065	1,001	7,040	60,429	194,257	12,682	98,715
Avg. Weight					12.6		5.8		7.0		3.2		7.8

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Management Unit	Date	Permits	Landings	Chinook Number	Chinook Pounds	Sockeye Number	Sockeye Pounds	Coho Number	Coho Pounds	Pink Number	Pink Pounds	Chum Number	Chum Pounds
Katmai Section													
	15-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
Total		Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
Avg. Weight													
Alinchak Bay Section													
	6-Jul	3	3	67	591	3,311	17,795	0	0	10,078	34,205	538	4,714
	7-Jul	3	3	86	828	3,378	21,629	106	726	17,356	48,598	850	6,906
	8-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	13-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	14-Jul	6	8	71	463	9,102	55,013	444	2,758	11,424	34,281	3,426	27,926
	15-Jul	3	3	29	365	1,369	8,924	130	888	2,741	8,926	637	5,008
	20-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	22-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	3-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	4-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	5-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	6-Aug	3	6	0	0	0	0	0	0	58,996	188,797	2,936	23,506
	7-Aug	3	4	0	0	22	128	10	63	32,144	104,822	2,027	16,867
	17-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	18-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	19-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
Total		13	46	275	2,452	21,454	130,829	890	5,823	238,368	768,064	48,630	410,330
Avg. Weight					8.9		6.1		6.5		3.2		8.4

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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													
	8-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	9-Jul	20	20	287	2,459	20,232	125,559	1,030	6,511	106,196	310,167	8,444	60,450
	10-Jul	22	22	322	3,270	25,222	163,964	479	3,272	70,402	204,011	9,217	72,264
	11-Jul	21	21	208	2,026	21,317	138,013	623	4,254	27,138	81,284	8,168	59,186
	12-Jul	25	25	199	1,636	18,293	119,622	972	6,600	24,040	67,586	7,886	61,287
	13-Jul	15	15	66	569	14,366	94,017	710	4,714	25,492	70,043	6,965	49,883
	14-Jul	15	17	70	703	14,578	88,653	513	3,507	17,624	52,522	6,941	47,638
	15-Jul	15	15	153	1,315	10,927	71,413	1,492	10,835	23,840	71,732	5,410	37,911
	23-Jul	5	5	8	161	5,002	31,798	547	4,883	10,904	36,977	1,649	12,914
	24-Jul	6	6	10	95	7,462	45,171	897	5,541	10,010	32,043	1,325	9,289
	26-Jul	3	3	7	66	1,296	8,324	238	1,676	3,979	11,940	677	5,423
Total		28	151	1,362	12,667	142,372	910,121	7,541	52,075	329,181	966,996	58,035	425,197
Avg. Weight					9.3		6.4		6.9		2.9		7.3
Wide Bay Section													
Total		0	0	0	0	0	0	0	0	0	0	0	0
Avg. Weight													
Mainland District Total													
Total		34	220	1,833	17,513	171,411	1,085,746	9,567	65,973	631,800	1,942,551	121,807	956,389
Avg. Weight					9.6		6.3		6.9		3.1		7.9

Note: Conf=confidential

APPENDIX L. AREA-WIDE HARVEST TABLES

Appendix L1.–Commercial salmon harvest, by management unit and statistical week, all gear combined, in the Kodiak Management Area, 2009.

Section			Chinook			Sockeye			Coho			Pink			Chum		
(Stat Area)	Stat Week	Week End	No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.
S.W.Afognak	25	20-Jun	53	415	7.8	4,239	24,073	5.7	1	6	6.0	349	999	2.9	142	1,041	7.3
& Raspberry Straits	28	11-Jul	81	576	7.1	20,319	118,814	5.8	91	684	7.5	43,936	135,748	3.1	5,301	40,593	7.7
(combined)	29	18-Jul	71	615	8.7	12,737	68,799	5.4	1,072	7,945	7.4	59,029	189,925	3.2	5,539	46,234	8.3
(251-10,11,12,20)	30	25-Jul	29	198	6.8	9,195	52,586	5.7	739	4,928	6.7	61,678	209,269	3.4	1,850	14,784	8.0
	31	1-Aug	120	1,257	10.5	12,927	70,529	5.5	1,816	13,472	7.4	225,214	715,458	3.2	9,859	83,284	8.4
	32	8-Aug	53	635	12.0	7,330	40,570	5.5	1,384	10,933	7.9	229,134	725,423	3.2	7,114	57,420	8.1
	33	15-Aug	0	0	0.0	150	691	4.6	98	668	6.8	4,052	14,183	3.5	140	1,093	7.8
	Total		407	3,696	9.1	66,897	376,062	5.6	5,201	38,636	7.4	623,392	1,991,005	3.2	29,945	244,449	8.2
N.W.Afognak	24	13-Jun	1	9	9.0	1,923	12,784	6.6	0	0	0.0	0	0	0.0	0	0	0.0
(251-30,40,41,50)	25	20-Jun	1	12	12.0	6,361	32,982	5.2	0	0	0.0	3	8	2.7	2	14	7.0
	26	27-Jun	0	0	0.0	8,535	42,854	5.0	1	8	8.0	7	17	2.4	8	59	7.4
	27	4-Jul	0	0	0.0	764	4,597	6.0	0	0	0.0	1	4	4.0	0	0	0.0
	28	11-Jul	3	20	6.7	8,094	42,411	5.2	7	48	6.9	14,895	46,147	3.1	1,120	10,631	9.5
	29	18-Jul	1	7	7.0	1,607	7,634	4.8	36	239	6.6	6,625	20,311	3.1	258	2,398	9.3
	31	1-Aug	0	0	0.0	520	3,205	6.2	79	673	8.5	12,392	42,255	3.4	332	3,007	9.1
	32	8-Aug	0	0	0.0	350	1,941	5.5	167	1,124	6.7	22,926	66,488	2.9	244	1,863	7.6
	34	22-Aug	0	0	0.0	33	160	4.8	103	791	7.7	6,876	25,955	3.8	26	202	7.8
	36	5-Sep	0	0	0.0	0	0	0.0	0	0	0.0	54	163	3.0	71	496	7.0
	Total		6	48	8.0	28,187	148,568	5.3	393	2,883	7.3	63,779	201,348	3.2	2,061	18,670	9.1
Shuyak																	
(251-60,70,81)	Total		0	0	0.0	0	0	0.0		0	0.0	0	0	0.0	0	0	0.0
Perenosa	24	13-Jun	0	0	0.0	1,470	7,737	5.3	0	0	0.0	0	0	0.0	0	0	0.0
(251-82,83,84,85)	25	20-Jun	0	0	0.0	4,413	22,702	5.1	0	0	0.0	0	0	0.0	0	0	0.0
	26	27-Jun	8	39	4.9	6,347	32,709	5.2	0	0	0.0	7	18	2.6	14	97	6.9
	28	11-Jul	39	102	2.6	2,657	15,167	5.7	4	42	10.5	38	125	3.3	14	102	7.3
	29	18-Jul	0	0	0.0	314	1,883	6.0	23	181	7.9	2,020	6,058	3.0	208	1,663	8.0
	30	25-Jul	1	4	4.0	1,114	6,518	5.9	210	1,406	6.7	18,333	56,812	3.1	492	3,022	6.1
	31	1-Aug	2	16	8.0	202	1,160	5.7	166	914	5.5	157,328	497,257	3.2	379	2,555	6.7
	32	8-Aug	0	0	0.0	631	3,499	5.5	675	4,981	7.4	246,659	733,945	3.0	828	6,176	7.5
	33	15-Aug	0	0	0.0	285	1,715	6.0	448	3,330	7.4	243,174	780,324	3.2	198	1,304	6.6
	34	22-Aug	0	0	0.0	618	4,284	6.9	1,577	11,566	7.3	159,551	522,703	3.3	359	2,695	7.5
	36	5-Sep	0	0	0.0	6	32	5.3	611	4,184	6.8	1,552	5,402	3.5	0	0	0.0
	Total		50	161	3.2	18,057	97,406	5.4	3,714	26,604	7.2	828,662	2,602,644	3.1	2,492	17,614	7.1

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Section			Chinook			Sockeye			Coho			Pink			Chum		
(Stat Area)	Stat Week	Week End	No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.
N.E.Afognak	28	11-Jul	47	282	6.0	2,963	15,710	5.3	577	3,874	6.7	4,385	16,043	3.7	5,131	37,870	7.4
(251-90,252-10,20)	29	18-Jul	105	514	4.9	2,027	11,078	5.5	330	2,337	7.1	14,617	45,058	3.1	1,962	16,265	8.3
	30	25-Jul	71	369	5.2	746	4,362	5.8	307	2,488	8.1	11,085	34,397	3.1	831	6,791	8.2
	31	1-Aug	24	176	7.3	473	2,831	6.0	461	3,330	7.2	52,006	168,917	3.2	1,266	7,629	6.0
	32	8-Aug	15	195	13.0	1,840	10,165	5.5	759	5,427	7.2	209,891	751,358	3.6	1,999	13,387	6.7
	33	15-Aug	7	76	10.9	3,104	17,477	5.6	1,154	8,951	7.8	417,324	1,389,422	3.3	982	7,624	7.8
	34	22-Aug	2	26	13.0	5,149	31,232	6.1	2,190	16,111	7.4	413,940	1,376,733	3.3	1,342	9,311	6.9
	35	29-Aug	0	0	0.0	612	2,998	4.9	829	5,767	7.0	22,000	77,899	3.5	120	848	7.1
	36	5-Sep	0	0	0.0	101	514	5.1	65	609	9.4	4,061	15,920	3.9	8	49	6.1
	Total		271	1,638	6.0	17,015	96,367	5.7	6,672	48,894	7.3	1,149,309	3,875,747	3.4	13,641	99,774	7.3
Izhut Bay	24	13-Jun	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	74	555	7.5
(252-30)	25	20-Jun	45	630	14.0	1,336	6,940	5.2	0	0	0.0	983	3,189	3.2	2,662	22,906	8.6
	26	27-Jun	33	239	7.2	2,663	13,711	5.1	1	6	6.0	6,368	17,391	2.7	10,504	77,209	7.4
	29	18-Jul	0	0	0.0	325	1,859	5.7	37	199	5.4	2,876	9,244	3.2	221	1,416	6.4
	30	25-Jul	55	203	3.7	4,282	30,798	7.2	573	4,336	7.6	54,054	168,246	3.1	2,608	21,582	8.3
	32	8-Aug	1	15	15.0	273	1,491	5.5	161	1,103	6.9	115,647	369,740	3.2	71	483	6.8
	33	15-Aug	1	28	28.0	2,527	13,865	5.5	3,613	26,515	7.3	768,338	2,507,008	3.3	473	3,291	7.0
	34	22-Aug	0	0	0.0	453	2,252	5.0	5,693	41,500	7.3	195,719	632,979	3.2	135	918	6.8
	35	29-Aug	0	0	0.0	54	273	5.1	4,985	36,953	7.4	24,784	86,677	3.5	16	114	7.1
	36	5-Sep	0	0	0.0	143	750	5.2	15,476	124,359	8.0	53,517	183,616	3.4	83	633	7.6
	37	12-Sep	0	0	0.0	34	199	5.9	253	2,050	8.1	10,993	33,565	3.1	20	158	7.9
	Total		135	1,115	8.3	12,090	72,138	6.0	30,792	237,021	7.7	1,233,279	4,011,655	3.3	16,867	129,265	7.7
Kitoi Bay	24	13-Jun	4	64	16.0	150	729	4.9	0	0	0.0	106	355	3.3	723	5,536	7.7
(252-32)	25	20-Jun	68	543	8.0	1,884	9,624	5.1	0	0	0.0	3,762	10,412	2.8	5,801	42,473	7.3
	26	27-Jun	9	125	13.9	612	3,248	5.3	0	0	0.0	319	902	2.8	4,904	33,082	6.7
	31	1-Aug	0	0	0.0	7,424	32,582	4.4	0	0	0.0	317,739	984,686	3.1	1,779	7,396	4.2
	32	8-Aug	0	0	0.0	3,099	14,254	4.6	0	0	0.0	669,328	2,081,463	3.1	0	0	0.0
	33	15-Aug	0	0	0.0	6,134	28,784	4.7	1,334	9,233	6.9	1,077,791	3,406,062	3.2	47	343	7.3
	34	22-Aug	0	0	0.0	957	4,109	4.3	4,217	24,332	5.8	534,258	1,656,474	3.1	4	22	5.5
	36	5-Sep	0	0	0.0	6	24	4.0	3,771	27,150	7.2	6,558	20,526	3.1	1	9	9.0
	37	12-Sep	0	0	0.0	0	0	0.0	13,871	97,101	7.0	8,134	24,402	3.0	0	0	0.0
	39	26-Sep	0	0	0.0	0	0	0.0	5,758	37,427	6.5	0	0	0.0	0	0	0.0
	Total		81	732	9.0	20,266	93,354	4.6	28,951	195,243	6.7	2,617,995	8,185,282	3.1	13,259	88,861	6.7

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Section			Chinook			Sockeye			Coho			Pink			Chum		
(Stat Area)	Stat Week	Week End	No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.
Duck Bay	24	13-Jun	2	28	14.0	859	3,068	3.6	0	0	0.0	334	905	2.7	569	4,331	7.6
(252-31,35)	25	20-Jun	85	729	8.6	8,449	44,620	5.3	0	0	0.0	11,303	34,511	3.1	4,393	26,729	6.1
	26	27-Jun	39	207	5.3	4,519	25,055	5.5	1	6	6.0	19,973	69,236	3.5	6,212	40,239	6.5
	28	11-Jul	83	458	5.5	8,261	47,346	5.7	917	5,904	6.4	22,042	72,145	3.3	17,674	125,186	7.1
	29	18-Jul	170	880	5.2	10,806	60,502	5.6	3,317	22,965	6.9	63,135	194,226	3.1	13,360	94,887	7.1
	30	25-Jul	66	511	7.7	7,569	42,463	5.6	1,533	9,975	6.5	108,310	349,890	3.2	4,535	34,248	7.6
	32	8-Aug	5	52	10.4	2,488	13,594	5.5	1,776	12,427	7.0	1,283,674	4,353,013	3.4	1,781	13,128	7.4
	33	15-Aug	23	326	14.2	3,415	17,736	5.2	13,054	89,561	6.9	2,314,779	7,664,365	3.3	9,070	46,407	5.1
	34	22-Aug	2	20	10.0	2,018	11,107	5.5	44,870	225,630	5.0	1,001,435	3,129,383	3.1	730	5,180	7.1
	35	29-Aug	0	0	0.0	955	4,967	5.2	11,272	85,502	7.6	199,921	704,142	3.5	2,524	10,961	4.3
	36	5-Sep	0	0	0.0	549	2,896	5.3	14,206	110,928	7.8	61,820	225,809	3.7	2,315	12,973	5.6
	37	12-Sep	0	0	0.0	50	255	5.1	1,192	8,820	7.4	1,194	4,605	3.9	10	74	7.4
	Total		475	3,211	6.8	49,938	273,609	5.5	92,138	571,718	6.2	5,087,920	16,802,230	3.3	63,173	414,343	6.6
S.E.Afognak	28	11-Jul	19	51	2.7	193	1,065	5.5	8	75	9.4	1,515	3,033	2.0	148	1,037	7.0
(252-33,34)	30	25-Jul	18	132	7.3	1,305	6,950	5.3	260	1,620	6.2	27,818	86,614	3.1	1,107	7,006	6.3
	31	1-Aug	3	40	13.3	227	1,159	5.1	114	899	7.9	10,371	32,660	3.1	466	4,183	9.0
	32	8-Aug	1	16	16.0	288	1,746	6.1	82	604	7.4	15,597	51,454	3.3	388	3,080	7.9
	33	15-Aug	0	0	0.0	29	146	5.0	200	1,370	6.9	34,173	115,860	3.4	51	415	8.1
	35	29-Aug	0	0	0.0	465	2,492	5.4	1,954	15,706	8.0	62,477	205,594	3.3	83	518	6.2
	36	5-Sep	0	0	0.0	15	76	5.1	138	1,132	8.2	3,061	10,887	3.6	4	29	7.3
	Total		41	239	5.8	2,522	13,634	5.4	2,756	21,406	7.8	155,012	506,102	3.3	2,247	16,268	7.2
Central, Terror Bay,	24	13-Jun	73	855	11.7	30,685	165,402	5.4	0	0	0.0	343	870	2.5	1,087	7,363	6.8
Inner Uganik, Spiridon,	25	20-Jun	186	2,032	10.9	23,648	127,214	5.4	0	0	0.0	117	303	2.6	740	5,105	6.9
Zachar, & Uyak combined	26	27-Jun	0	0	0.0	13,648	82,074	6.0	0	0	0.0	101	315	3.1	8	73	9.1
(253-11,12,13,14,31	27	4-Jul	0	0	0.0	24,108	147,586	6.1	0	0	0.0	2,666	8,340	3.1	37	330	8.9
32,33,34,35,254-10,20,	28	11-Jul	144	1,505	10.5	110,943	652,567	5.9	385	2,770	7.2	159,718	561,231	3.5	30,843	234,300	7.6
21,30,31,40,41,50)	29	18-Jul	130	1,221	9.4	57,562	338,979	5.9	2,814	17,415	6.2	212,700	798,825	3.8	37,136	273,537	7.4
	30	25-Jul	77	920	11.9	45,154	261,755	5.8	3,314	23,127	7.0	580,495	2,089,679	3.6	54,109	423,309	7.8
	31	1-Aug	212	2,775	13.1	87,126	480,546	5.5	12,656	70,561	5.6	1,085,486	3,786,571	3.5	74,070	575,867	7.8
	32	8-Aug	189	2,111	11.2	49,285	272,035	5.5	8,554	62,053	7.3	741,437	2,609,549	3.5	39,851	313,659	7.9
	33	15-Aug	30	454	15.1	41,772	235,300	5.6	12,778	91,448	7.2	494,586	1,852,587	3.7	22,802	178,222	7.8
	36	5-Sep	0	0	0.0	294	1,471	5.0	2,130	17,073	8.0	232,242	799,215	3.4	693	4,846	7.0
	Total		1,041	11,873	11.4	484,225	2,764,929	5.7	42,631	284,447	6.7	3,509,891	12,507,485	3.6	261,376	2,016,611	7.7

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Appendix L1.–Page 4 of 8.

Section			Chinook			Sockeye			Coho			Pink			Chum		
(Stat Area)	Stat Week	Week End	No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.
North Cape, Anton	24	13-Jun	5	61	12.2	1,652	9,293	5.6	0	0	0.0	14	49	3.5	58	347	6.0
Larsen, Sheratin,	25	20-Jun	1	12	12.0	1,871	10,273	5.5	0	0	0.0	40	143	3.6	53	379	7.2
& Kizhuyak combined	28	11-Jul	15	167	11.1	4,526	29,755	6.6	318	2,222	7.0	5,134	16,095	3.1	979	6,995	7.1
(259-30,31,32,33,34,35,	29	18-Jul	38	234	6.2	5,568	34,970	6.3	1,962	13,128	6.7	58,879	182,232	3.1	6,393	46,492	7.3
36,37,38,39)	30	25-Jul	53	617	11.6	8,525	46,850	5.5	2,258	15,050	6.7	211,105	674,866	3.2	14,653	107,211	7.3
	31	1-Aug	28	314	11.2	5,077	28,786	5.7	2,587	18,090	7.0	250,070	798,016	3.2	21,336	165,312	7.7
	32	8-Aug	20	250	12.5	1,948	12,014	6.2	1,009	7,037	7.0	171,493	599,168	3.5	16,006	119,563	7.5
	33	15-Aug	0	0	0.0	540	3,535	6.5	753	5,386	7.2	56,565	199,682	3.5	7,959	56,887	7.1
	Total		160	1,655	10.3	29,707	175,476	5.9	8,887	60,913	6.9	753,300	2,470,251	3.3	67,437	503,186	7.5
Outer Karluk																	
(255-20)	Total		0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Sturgeon (256-40)	Total		0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Halibut Bay	30	25-Jul	7	116	16.6	11,269	59,638	5.3	259	1,926	7.4	40,993	116,826	2.8	574	4,586	8.0
(256-25,30)	32	8-Aug	1	19	19.0	1,028	5,921	5.8	15	114	7.6	13,989	47,051	3.4	36	331	9.2
	Total		8	135	16.9	12,297	65,559	5.3	274	2,040	7.4	54,982	163,877	3.0	610	4,917	8.1
Inner & Outer																	
Ayakulik	30	25-Jul	4	55	13.8	36,318	209,624	5.8	12	80	6.7	10,674	32,373	3.0	437	3,498	8.0
(256-10,15,20)	32	8-Aug	1	16	16.0	24,905	132,502	5.3	81	604	7.5	13,447	49,962	3.7	67	556	8.3
	33	15-Aug	0	0	0.0	3,620	22,626	6.3	96	642	6.7	5,656	20,369	3.6	22	157	7.1
	34	22-Aug	0	0	0.0	1,627	9,912	6.1	74	619	8.4	14,513	49,323	3.4	101	732	7.2
	35	29-Aug	0	0	0.0	23	120	5.2	108	861	8.0	23	69	3.0	1	9	9.0
	Total		5	71	14.2	66,493	374,784	5.6	371	2,806	7.6	44,313	152,096	3.4	628	4,952	7.9
Cape Alitak	24	13-Jun	7	156	22.3	5,837	35,153	6.0	0	0	0.0	3	9	3.0	3	19	6.3
(257-10&20)	25	20-Jun	7	113	16.1	25,670	145,010	5.6	0	0	0.0	213	662	3.1	81	646	8.0
	26	27-Jun	14	222	15.9	25,023	149,991	6.0	1	7	7.0	1,077	3,666	3.4	590	4,345	7.4
	27	4-Jul	53	1,005	19.0	24,736	149,911	6.1	3	21	7.0	5,786	17,532	3.0	864	6,725	7.8
	28	11-Jul	23	407	17.7	20,645	123,748	6.0	174	1,088	6.3	35,594	107,114	3.0	2,193	17,743	8.1
	29	18-Jul	40	374	9.4	11,661	69,545	6.0	1,589	9,399	5.9	114,781	349,331	3.0	6,783	54,056	8.0
	30	25-Jul	4	71	17.8	9,887	60,163	6.1	72	482	6.7	72,508	230,341	3.2	968	7,580	7.8
	31	1-Aug	6	155	25.8	12,442	69,311	5.6	429	2,617	6.1	290,158	925,456	3.2	2,813	20,478	7.3
	32	8-Aug	19	454	23.9	26,507	154,987	5.8	650	4,711	7.2	433,646	1,376,322	3.2	2,708	21,610	8.0
	33	15-Aug	3	67	22.3	2,767	15,970	5.8	68	562	8.3	20,397	75,185	3.7	159	1,400	8.8
	34	22-Aug	2	60	30.0	2,258	11,930	5.3	259	1,852	7.2	14,225	42,272	3.0	247	2,000	8.1
	35	29-Aug	0	0	0.0	1,498	7,942	5.3	311	2,487	8.0	2,254	6,943	3.1	693	5,542	8.0
	Total		178	3,084	17.3	168,931	993,661	5.9	3,556	23,226	6.5	990,642	3,134,833	3.2	18,102	142,144	7.9

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Section			Chinook			Sockeye			Coho			Pink			Chum		
(Stat Area)	Stat Week	Week End	No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.
Moser/Olga Bay &	24	13-Jun	1	21	21.0	33,139	178,853	5.4	0	0	0.0	0	0	0.0	6	39	6.5
Alitak Bay	25	20-Jun	2	26	13.0	37,602	205,806	5.5	0	0	0.0	2	8	4.0	21	148	7.0
(257-40,41,&,43)	26	27-Jun	0	0	0.0	36,880	206,213	5.6	1	9	9.0	40	137	3.4	135	1,007	7.5
	27	4-Jul	3	80	26.7	45,192	243,284	5.4	2	17	8.5	571	2,073	3.6	624	4,698	7.5
	28	11-Jul	1	8	8.0	55,181	301,252	5.5	34	238	7.0	4,919	18,315	3.7	1,465	11,513	7.9
	29	18-Jul	1	7	7.0	24,566	135,395	5.5	43	312	7.3	10,411	40,935	3.9	1,045	7,817	7.5
	30	25-Jul	0	0	0.0	6,916	37,981	5.5	9	65	7.2	4,581	18,033	3.9	298	2,319	7.8
	31	1-Aug	0	0	0.0	29,071	166,055	5.7	44	354	8.0	21,486	86,136	4.0	842	6,817	8.1
	32	8-Aug	0	0	0.0	31,155	172,605	5.5	105	861	8.2	41,333	158,409	3.8	1,025	8,175	8.0
	33	15-Aug	0	0	0.0	6,620	38,536	5.8	20	146	7.3	4,146	17,097	4.1	162	1,220	7.5
	34	22-Aug	0	0	0.0	67,884	374,832	5.5	1,115	10,043	9.0	23,581	93,554	4.0	1,286	9,856	7.7
	35	29-Aug	0	0	0.0	13,862	75,092	5.4	829	7,235	8.7	1,703	6,234	3.7	274	2,170	7.9
	36	5-Sep	0	0	0.0	9,933	54,252	5.5	557	5,090	9.1	394	1,547	3.9	224	1,748	7.8
	37	12-Sep	0	0	0.0	4,399	23,609	5.4	388	2,992	7.7	40	149	3.7	190	1,526	8.0
	Total		8	142	17.8	402,400	2,213,765	5.5	3,147	27,362	8.7	113,207	442,627	3.9	7,597	59,053	7.8
Humpy/Deadman	26	27-Jun	0	0	0.0	4,591	25,940	5.7	0	0	0.0	236	734	3.1	65	568	8.7
(257-50,60,70)	27	4-Jul	5	84	16.8	7,268	44,321	6.1	0	0	0.0	1,444	4,355	3.0	246	2,035	8.3
	28	11-Jul	5	85	17.0	18,756	104,377	5.6	34	246	7.2	16,438	50,067	3.0	1,037	8,313	8.0
	29	18-Jul	0	0	0.0	153	899	5.9	1	7	7.0	912	2,737	3.0	7	59	8.4
	31	1-Aug	0	0	0.0	1,249	7,379	5.9	13	103	7.9	594,222	1,927,005	3.2	8,998	67,131	7.5
	32	8-Aug	1	21	21.0	2,886	16,567	5.7	19	166	8.7	246,762	902,661	3.7	2,476	19,293	7.8
	33	15-Aug	3	57	19.0	15,610	92,580	5.9	106	943	8.9	1,272,718	4,240,688	3.3	8,941	65,112	7.3
	34	22-Aug	3	58	19.3	8,441	46,694	5.5	692	4,785	6.9	672,779	2,187,360	3.3	11,164	92,111	8.3
	35	29-Aug	1	22	22.0	975	5,304	5.4	291	2,296	7.9	86,289	278,683	3.2	10,909	86,922	8.0
	36	5-Sep	0	0	0.0	52	294	5.7	24	194	8.1	515	1,547	3.0	2,955	23,644	8.0
	Total		18	327	18.2	59,981	344,355	5.7	1,180	8,740	7.4	2,892,315	9,595,837	3.3	46,798	365,188	7.8
Seven Rivers	25	20-Jun	18	284	15.8	4,990	27,239	5.5	0	0	0.0	2,583	7,756	3.0	3,614	26,093	7.2
(258-70,80,83,85,90)	26	27-Jun	27	256	9.5	4,561	27,892	6.1	0	0	0.0	7,794	23,386	3.0	4,151	27,172	6.5
	28	11-Jul	20	238	11.9	577	3,584	6.2	454	2,691	5.9	2,183	7,190	3.3	821	5,041	6.1
	29	18-Jul	0	0	0.0	435	2,613	6.0	533	3,196	6.0	1,875	5,626	3.0	150	1,201	8.0
	30	25-Jul	4	51	12.8	118	649	5.5	156	1,134	7.3	1,347	4,572	3.4	121	821	6.8
	31	1-Aug	0	0	0.0	1	6	6.0	0	0	0.0	76,059	249,891	3.3	149	1,046	7.0
	32	8-Aug	0	0	0.0	204	1,290	6.3	14	91	6.5	320,394	960,061	3.0	409	3,250	7.9
	33	15-Aug	3	42	14.0	86	510	5.9	31	289	9.3	356,722	1,151,952	3.2	420	4,046	9.6
	34	22-Aug	0	0	0.0	260	1,886	7.3	67	580	8.7	85,627	304,347	3.6	484	4,624	9.6
	35	29-Aug	0	0	0.0	110	586	5.3	48	378	7.9	11,274	39,699	3.5	36	284	7.9
	Total		72	871	12.1	11,342	66,255	5.8	1,303	8,359	6.4	865,858	2,754,480	3.2	10,355	73,578	7.1

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Section			Chinook			Sockeye			Coho			Pink			Chum		
(Stat Area)	Stat Week	Week End	No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.
Two-Headed	25	20-Jun	9	162	18.0	1,499	9,261	6.2	0	0	0.0	376	1,131	3.0	343	2,624	7.7
(258-54,55,60)	26	27-Jun	8	106	13.3	300	1,812	6.0	0	0	0.0	99	226	2.3	128	878	6.9
	29	18-Jul	14	150	10.7	3,115	18,838	6.0	2,214	13,711	6.2	13,499	38,571	2.9	856	6,866	8.0
	30	25-Jul	23	202	8.8	2,032	11,997	5.9	476	3,208	6.7	49,381	162,375	3.3	3,309	24,484	7.4
	31	1-Aug	17	269	15.8	12	45	3.8	16	170	10.6	60,745	217,580	3.6	1,830	16,546	9.0
	32	8-Aug	3	60	20.0	78	485	6.2	36	258	7.2	135,236	447,972	3.3	3,576	28,354	7.9
	33	15-Aug	0	0	0.0	4	15	3.8	2	16	8.0	37,306	136,470	3.7	451	4,150	9.2
	34	22-Aug	4	92	23.0	1,407	8,832	6.3	225	1,834	8.2	132,773	437,858	3.3	3,023	24,690	8.2
	35	29-Aug	0	0	0.0	52	268	5.2	79	565	7.2	27,583	96,305	3.5	504	3,559	7.1
	36	5-Sep	0	0	0.0	2	12	6.0	2	13	6.5	6,935	24,274	3.5	255	1,791	7.0
	Total		78	1,041	13.3	8,501	51,565	6.1	3,050	19,775	6.5	463,933	1,562,762	3.4	14,275	113,942	8.0
Sitkalidak	25	20-Jun	67	885	13.2	5,907	37,946	6.4	0	0	0.0	2,836	7,218	2.5	6,951	48,154	6.9
(258-10,20,30,40,51,	26	27-Jun	167	1,131	6.8	6,800	33,616	4.9	0	0	0.0	8,304	25,128	3.0	5,600	41,457	7.4
52,53)	28	11-Jul	244	1,661	6.8	17,300	88,191	5.1	2,781	19,341	7.0	13,512	44,863	3.3	2,713	20,713	7.6
	29	18-Jul	1,066	4,357	4.1	17,468	91,472	5.2	15,407	96,813	6.3	74,234	235,047	3.2	8,310	66,127	8.0
	30	25-Jul	29	339	11.7	7,224	42,678	5.9	1,330	9,318	7.0	161,941	581,595	3.6	10,651	81,183	7.6
	31	1-Aug	72	948	13.2	1,766	10,363	5.9	455	3,270	7.2	345,955	1,133,945	3.3	13,836	117,948	8.5
	32	8-Aug	49	1,157	23.6	611	3,640	6.0	1,504	5,455	3.6	543,531	1,779,544	3.3	19,473	159,696	8.2
	33	15-Aug	31	693	22.4	2,879	16,761	5.8	1,463	10,866	7.4	1,159,562	3,769,343	3.3	23,005	195,652	8.5
	34	22-Aug	58	1,097	18.9	4,306	24,306	5.6	2,080	15,541	7.5	850,873	2,940,402	3.5	57,964	447,279	7.7
	35	29-Aug	62	1,084	17.5	4,100	22,887	5.6	4,522	37,779	8.4	276,830	932,888	3.4	30,071	234,349	7.8
	36	5-Sep	13	241	18.5	565	3,056	5.4	1,201	9,988	8.3	32,234	105,823	3.3	8,903	71,352	8.0
	37	12-Sep	0	0	0.0	0	0	0.0	161	1,573	9.8	1,240	4,958	4.0	2,941	22,062	7.5
	38	19-Sep	0	0	0.0	0	0	0.0	33	394	11.9	295	590	2.0	3,332	30,084	9.0
	39	26-Sep	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1,193	10,751	9.0
	Total		1,858	13,593	7.3	68,926	374,916	5.4	30,937	210,338	6.8	3,471,347	11,561,344	3.3	194,943	1,546,807	7.9
Inner & Outer Ugak	26	27-Jun	85	834	9.8	2,265	12,815	5.7	0	0	0.0	97	328	3.4	55	434	7.9
(259-40,41,42,43,44,	27	4-Jul	93	700	7.5	4,936	28,765	5.8	0	0	0.0	1,300	2,879	2.2	775	5,450	7.0
45,46)	28	11-Jul	1	9	9.0	2,023	12,844	6.3	0	0	0.0	615	2,126	3.5	140	1,133	8.1
	29	18-Jul	17	123	7.2	5,896	33,827	5.7	2	12	6.0	11,599	38,656	3.3	101	715	7.1
	30	25-Jul	55	603	11.0	3,636	21,011	5.8	154	1,083	7.0	67,214	246,455	3.7	799	6,685	8.4
	31	1-Aug	6	99	16.5	4,296	23,752	5.5	51	435	8.5	234,161	745,554	3.2	3,619	28,687	7.9
	32	8-Aug	3	47	15.7	2,591	14,735	5.7	8,255	25,284	3.1	252,705	828,371	3.3	13,342	103,954	7.8
	33	15-Aug	0	0	0.0	113	622	5.5	29	220	7.6	108,929	361,292	3.3	3,605	26,154	7.3
	34	22-Aug	2	27	13.5	431	2,420	5.6	228	1,794	7.9	87,498	324,866	3.7	15,096	132,208	8.8
	35	29-Aug	4	46	11.5	549	3,333	6.1	642	4,853	7.6	43,201	150,883	3.5	6,946	55,900	8.0
	36	5-Sep	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	264	1,851	7.0
	Total		266	2,488	9.4	26,736	154,124	5.8	9,361	33,681	3.6	807,319	2,701,410	3.3	44,742	363,171	8.1

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Section			Chinook			Sockeye			Coho			Pink			Chum		
(Stat Area)	Stat Week	Week End	No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.
Outer Chiniak	29	18-Jul	31	137	4.4	246	1,311	5.3	159	902	5.7	4,694	13,660	2.9	491	3,452	7.0
(259-21,25)	30	25-Jul	0	0	0.0	48	217	4.5	8	49	6.1	18,792	65,774	3.5	63	379	6.0
	31	1-Aug	17	230	13.5	29	137	4.7	13	80	6.2	240,969	816,135	3.4	163	1,226	7.5
	32	8-Aug	0	0	0.0	6	28	4.7	26	167	6.4	31,815	114,498	3.6	86	822	9.6
	33	15-Aug	0	0	0.0	5	25	5.0	2	13	6.5	73,731	233,052	3.2	224	1,845	8.2
	34	22-Aug	0	0	0.0	1	8	8.0	3	22	7.3	921	3,234	3.5	43	450	10.5
	Total		48	367	7.6	335	1,726	5.2	211	1,233	5.8	370,922	1,246,353	3.4	1,070	8,174	7.6
Inner Chiniak	31	1-Aug	5	66	13.2	30	158	5.3	5	38	7.6	305,484	948,189	3.1	2,411	19,531	8.1
(259-23,24,27)	32	8-Aug	2	33	16.5	9	56	6.2	1	2	2.0	106,168	382,124	3.6	3,974	35,263	8.9
	33	15-Aug	9	106	11.8	5	29	5.8	15	96	6.4	109,853	368,834	3.4	5,270	43,393	8.2
	34	22-Aug	0	0	0.0	2	10	5.0	107	863	8.1	92,721	346,329	3.7	2,972	27,646	9.3
	35	29-Aug	0	0	0.0	0	0	0.0	2,320	9,189	4.0	1,406	5,621	4.0	82	807	9.8
	36	5-Sep	0	0	0.0	0	0	0.0	20	142	7.1	1,998	8,458	4.2	182	1,567	8.6
	Total		16	205	12.8	46	253	5.5	2,468	10,330	4.2	617,630	2,059,555	3.3	14,891	128,207	8.6
BUSKIN	32	8-Aug	2	63	31.5	19	89	4.7	6	42	7.0	57051	194549	3.4	4877	43204	8.9
(259-22,26)	33	15-Aug	0	0	0.0	2	8	4.0	0	0	0.0	1496	5389	3.6	76	605	8.0
	34	22-Aug	0	0	0.0	13	65	5.0	127	872	6.9	27180	100136	3.7	1111	9480	8.5
	35	29-Aug	0	0	0.0	11	65	5.9	5	27	5.4	1402	5489	3.9	163	1025	6.3
	Total		2	63	31.5	45	227	5.0	138	941	6.8	87129	305563	3.5	6227	54314	8.7
Monashka/Mill Bay	29	18-Jul	9	86	9.6	30	163	5.4	7	35	5.0	2,082	6,268	3.0	12	80	6.7
(259-10)	30	25-Jul	132	1,595	12.1	162	964	6.0	52	302	5.8	57,449	187,988	3.3	87	624	7.2
	31	1-Aug	12	112	9.3	42	228	5.4	7	46	6.6	7,864	26,961	3.4	18	144	8.0
	32	8-Aug	0	0	0.0	21	118	5.6	3	22	7.3	7,406	26,639	3.6	26	227	8.7
	33	15-Aug	4	69	17.3	1	8	8.0	20	124	6.2	11,287	45,479	4.0	6	38	6.3
	34	22-Aug	3	51	17.0	58	321	5.5	107	692	6.5	38,111	149,914	3.9	128	1,176	9.2
	35	29-Aug	2	26	13.0	277	1,519	5.5	727	5,520	7.6	84,845	328,442	3.9	903	8,181	9.1
	36	5-Sep	0	0	0.0	32	166	5.2	123	982	8.0	5,963	24,294	4.1	85	669	7.9
	Total		162	1,939	12.0	623	3,487	5.6	1,046	7,723	7.4	215,007	795,985	3.7	1,265	11,139	8.8
Big River																	
(262-10,15)	Total		0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Halo Bay (262-20)	Total		0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Outer Kukak	32	8-Aug	1	2	2.0	17	87	5.1	15	129	8.6	2,555	9,197	3.6	606	5,510	9.1
(262-25,30)	Total		1	2	2.0	17	87	5.1	15	129	8.6	2,555	9,197	3.6	606	5,510	9.1
Inner Kukak	32	8-Aug	0	0	0.0	2	8	4.0	0	0	0.0	264	925	3.5	1,652	14,876	9.0
(262-27)	Total		0	0	0.0	2	8	4.0	0	0	0.0	264	925	3.5	1,652	14,876	9.0

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Section			Chinook			Sockeye			Coho			Pink			Chum		
(Stat Area)	Stat Week	Week End	No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.
Dakavak	28	11-Jul	158	1,832	11.6	4,118	23,423	5.7	114	828	7.3	21,827	68,496	3.1	3,650	30,987	8.5
(262-35,40,45,50,55)	29	18-Jul	9	133	14.8	414	2,622	6.3	50	327	6.5	915	2,708	3.0	162	1,216	7.5
	30	25-Jul	8	132	16.5	1,412	8,445	6.0	413	2,893	7.0	3,432	10,296	3.0	871	6,846	7.9
	31	1-Aug	8	209	26.1	273	1,575	5.8	420	2,964	7.1	17,458	50,974	2.9	2,866	24,378	8.5
	34	22-Aug	0	0	0.0	0	0	0.0	0	0	0.0	14,697	55,485	3.8	920	9,796	10.6
	36	5-Sep	0	0	0.0	0	0	0.0	4	28	7.0	2,100	6,298	3.0	4,213	25,492	6.1
	Total		183	2,306	12.6	6,217	36,065	5.8	1,001	7,040	7.0	60,429	194,257	3.2	12,682	98,715	7.8
Katmai	29	18-Jul	12	86	7.2	1,349	8,636	6.4	120	906	7.6	1,003	3,112	3.1	202	1,761	8.7
(262-60)	Total		12	86	7.2	1,349	8,636	6.4	120	906	7.6	1,003	3,112	3.1	202	1,761	8.7
Alinchak	28	11-Jul	163	1,522	9.3	7,915	47,287	6.0	115	788	6.9	30,620	92,368	3.0	1,839	14,604	7.9
(262-65,70)	29	18-Jul	112	930	8.3	12,828	79,506	6.2	675	4,298	6.4	16,459	50,091	3.0	4,651	37,346	8.0
	30	25-Jul	0	0	0.0	664	3,741	5.6	78	591	7.6	5,596	18,086	3.2	4,541	43,273	9.5
	32	8-Aug	0	0	0.0	47	295	6.3	10	63	6.3	157,811	502,200	3.2	29,696	243,817	8.2
	34	22-Aug	0	0	0.0	0	0	0.0	12	83	6.9	27,882	105,319	3.8	7,903	71,290	9.0
	Total		275	2,452	8.9	21,454	130,829	6.1	890	5,823	6.5	238,368	768,064	3.2	48,630	410,330	8.4
Cape Igvak	28	11-Jul	849	8,122	9.6	70,448	451,123	6.4	2,172	14,319	6.6	213,292	624,153	2.9	27,182	200,852	7.4
(262-75,80,90,95)	29	18-Jul	488	4,223	8.7	58,164	373,705	6.4	3,687	25,656	7.0	90,996	261,883	2.9	27,202	196,719	7.2
	30	25-Jul	18	256	14.2	12,464	76,969	6.2	1,444	10,424	7.2	20,914	69,020	3.3	2,974	22,203	7.5
	31	1-Aug	7	66	9.4	1,296	8,324	6.4	238	1,676	7.0	3,979	11,940	3.0	677	5,423	8.0
	Total		1,362	12,667	9.3	142,372	910,121	6.4	7,541	52,075	6.9	329,181	966,996	2.9	58,035	425,197	7.3
Wide Bay																	
(262-85)	Total		0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
	Grand Total		7,219	66,207	9.2	1,726,971	9,841,966	5.7	288,744	1,910,292	6.6	27,648,943	91,573,022	3.3	955,808	7,381,016	7.7

APPENDIX M. ESCAPEMENT DATA

Appendix M1.–Peak salmon escapements in the Kodiak Management Area, by district and species, 2009.

	Number of Fish				
District	Chinook	Sockeye	Coho	Pink	Chum
Afognak	0	46,065	13,114	395,362	6
Northwest Kodiak	0	55,303	0	1,041,615	87,500
Southwest Kodiak	3,923	645,311	69,399	194,870	2,132
Alitak Bay	127	300,516	7,827	895,853	31,312
Eastside Kodiak	1	56,391	2,409	1,546,950	74,340
Northeast Kodiak	2	7,758	13,761	633,244	16,849
Mainland	0	7,100	3,425	430,100	103,656
Total	4,053	1,118,444	109,935	5,137,994	315,795