

**Kodiak Management Area Commercial Salmon
Fishery Annual Management Report, 2008**

by

Joe Dinnocenzo

February 2010

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)		General		Measures (fisheries)	
centimeter	cm	Alaska Administrative		fork length	FL
deciliter	dL	Code	AAC	mideye to fork	MEF
gram	g	all commonly accepted		mideye to tail fork	METF
hectare	ha	abbreviations	e.g., Mr., Mrs., AM, PM, etc.	standard length	SL
kilogram	kg			total length	TL
kilometer	km	all commonly accepted			
liter	L	professional titles	e.g., Dr., Ph.D., R.N., etc.	Mathematics, statistics	
meter	m			<i>all standard mathematical</i>	
milliliter	mL	at	@	<i>signs, symbols and</i>	
millimeter	mm	compass directions:		<i>abbreviations</i>	
		east	E	alternate hypothesis	H _A
		north	N	base of natural logarithm	<i>e</i>
		south	S	catch per unit effort	CPUE
		west	W	coefficient of variation	CV
		copyright	©	common test statistics	(F, t, χ^2 , etc.)
		corporate suffixes:		confidence interval	CI
		Company	Co.	correlation coefficient	
		Corporation	Corp.	(multiple)	R
		Incorporated	Inc.	correlation coefficient	
		Limited	Ltd.	(simple)	r
		District of Columbia	D.C.	covariance	cov
		et alii (and others)	et al.	degree (angular)	°
		et cetera (and so forth)	etc.	degrees of freedom	df
		exempli gratia		expected value	<i>E</i>
		(for example)	e.g.	greater than	>
		Federal Information		greater than or equal to	≥
		Code	FIC	harvest per unit effort	HPUE
		id est (that is)	i.e.	less than	<
		latitude or longitude	lat. or long.	less than or equal to	≤
		monetary symbols		logarithm (natural)	ln
		(U.S.)	\$, ¢	logarithm (base 10)	log
		months (tables and		logarithm (specify base)	log ₂ , etc.
		figures): first three		minute (angular)	'
		letters	Jan.,...,Dec	not significant	NS
		registered trademark	®	null hypothesis	H ₀
		trademark	™	percent	%
		United States		probability	P
		(adjective)	U.S.	probability of a type I error	
		United States of		(rejection of the null	
		America (noun)	USA	hypothesis when true)	α
		U.S.C.	United States	probability of a type II error	
			Code	(acceptance of the null	
		U.S. state	use two-letter	hypothesis when false)	β
			abbreviations	second (angular)	"
			(e.g., AK, WA)	standard deviation	SD
				standard error	SE
				variance	
				population	Var
				sample	var
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	pH				
(negative log of)					
parts per million	ppm				
parts per thousand	ppt, ‰				
volts	V				
watts	W				

FISHERY MANAGEMENT REPORT NO. 10-02

**KODIAK MANAGEMENT AREA COMMERCIAL SALMON FISHERY
ANNUAL MANAGEMENT REPORT, 2008**

by
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ABSTRACT

This report provides an overview of the 2008 Kodiak Management Area (KMA) salmon resources, commercial salmon fisheries, personal and subsistence fisheries and stock status.

Sockeye salmon escapements met the established goals of Malina, Afognak, Uganik, Frazer, Saltery and South Olga lakes but were not met in the Buskin, Karluk and Ayakulik drainages. The Kodiak Archipelago pink salmon escapement goal was met but the Mainland District goal was not met. The Mainland District chum salmon escapement goal was met but the Kodiak Archipelago goal was not. The Chinook salmon escapement goals were not achieved in either the Karluk or Ayakulik rivers. Coho salmon escapement goals in the Buskin, Pasagshak and American rivers were met or exceeded but goals in the Olds and Pasagshak rivers were not achieved.

The 2008 KMA commercial salmon fishery began on June 5 with the last reported landing on September 16, 2008. A total of 277 permits were fished which included 129 purse seine permits, 0 beach seine permits and 148 set gillnet permits. The total commercial salmon harvest in the KMA, not including commercially caught salmon retained but not sold, was 17,176 Chinook salmon *Oncorhynchus tshawytscha*, 1,819,116 sockeye salmon *O. nerka*, 300,779 coho salmon *O. kisutch*, 8,788,476 pink salmon *O. gorbuscha*, and 908,030 chum salmon *O. keta*. Commercial harvests exceeded projections for sockeye salmon, but not for Chinook, coho, pink, and chum salmon. The exvessel value for salmon harvested by all gear types totaled approximately \$28.0 million.

Commercially harvested salmon that were reported as retained for personal use but not sold totaled 3,270 salmon in the KMA including; 76 Chinook, 2,513 sockeye, and 681 coho salmon.

Harvest data from the 2,033 subsistence permits issued in 2008 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, sport fisheries, management plan, purse seine, set gillnet, harvest, 2008, annual management report

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 2008 commercial salmon fishing season. Recent and historical commercial harvests 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 emergency orders issued during the 2008 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 2009).

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 Daigneault 2008). 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. Four streams have a history of Chinook salmon *O. tshawytscha* escapement, 49 streams support sockeye salmon *O. nerka* stocks of varying size, 200 streams have coho salmon *O. kisutch* stocks, approximately 150 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 (Duesterloh and Aro 2008). 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 used as brood stock. Pillar Creek Hatchery, located north of the City of Kodiak, near Pillar Creek, which drains into Monashka Bay, is used primarily as an incubation facility for sockeye salmon outstocking projects; however, Chinook and coho salmon are also reared at the facility for outstocking (Duesterloh and Byrne 2008).

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 involve placement of juvenile salmon at sites where they will return as adults to systems with no spawning habitat and are intended for harvest. In 2008, sockeye salmon were stocked at Spiridon, Hidden, Crescent, Little Waterfall, and Big Waterfall lakes to produce harvest opportunities in small terminal fisheries near the outlets of these systems. Sockeye salmon were also stocked in 2008 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 at these locations (personal communication, Kevin Brennan, KRAA executive director, Kodiak Alaska).

The KRPT summarized their production goals in the Kodiak Regional Comprehensive Management Plan. 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 (KRPT 1992). To date, the peak years of supplemental production have produced an undetermined number of Chinook salmon and an estimated additional 796,359 sockeye, 209,259 coho, 13,603,742 pink, and 466,205 chum salmon to the annual harvest (Table 2).

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 divisions of Commercial Fisheries (CFD) and Sport Fish (SFD) accepted these recommended changes to the escapement goals. In 2008, 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 Kodiak Archipelago or the Mainland District.

In 2008, SALTERY Lake weir was operated for the first time since it was discontinued after 2003 (Caldentey 2009). 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 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 enabling proactive management of this stock.

A comparison of 2008 salmon peak escapements and escapement goals of index streams, by species are outlined in Table 3.

ESCAPEMENT MONITORING

In 2008, ten fish counting 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 2009; Table 4; Figure 2).

The majority of sockeye salmon and all Chinook salmon escapement counts were obtained with these weirs (Tables 3-5; Caldentey 2009). These data allowed for precise 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 were 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 are considered an index of the actual escapement for use in season to aid fishery management.

A “peak indexed escapement” estimate was calculated postseason for all systems surveyed and, together with weir escapement data, were used to estimate an area-wide escapement (Table 5). In this document, peak indexed escapement for sockeye, chum, and coho salmon is 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 is 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 is done to compensate for the shorter stream life and more varied spawning dates of pink salmon. All escapement values in past Annual Management Reports are total counts from weirs plus peak index counts, and this document follows that methodology. Indexed peak salmon escapement estimates by species and district are listed in Appendix M1. Indexed peak escapement estimates by species for individual streams are published in a separate escapement report (Caldentey 2009).

STOCK STATUS

Chinook Salmon

During 2008, the Karluk River Chinook salmon run was extremely weak. Although retention by seine gear of Chinook salmon, 28 inches or greater in length was prohibited in June and July, only 752 Chinook salmon were counted through the weir (Caldentey 2009; Table 4) below the escapement goal range of 3,600-7,300 (Honnold et al. 2007; Table 2). This is the second year in a row that this escapement goal was not met.

In 2008, there were 3,071 Chinook salmon counted through the Ayakulik River weir (Caldentey 2009; Table 4), which was below the escapement goal range of 4,800-9,600 (Honnold et al. 2007; Table 3) and below the 1998-2007 average escapement of 13,492 salmon (Caldentey 2007).

Dog Salmon Creek has an introduced run of Chinook salmon and a total of 90 were counted through the weir in 2008 (Caldentey 2009; Table 4). There is no escapement goal established for this system however the average escapement in the previous decade (1998-2007) was 370 fish (Caldentey 2007).

Sockeye Salmon

Sockeye salmon escapements for major and selected minor systems were enumerated through the use of fish counting weirs (Caldentey 2009; Table 4). Fish counted through weirs accounted for about 88% of all documented sockeye salmon escapements in 2008. A total of 821,268 sockeye salmon were counted through KMA weirs. Additional escapements of 110,249 sockeye salmon were estimated by aerial and foot surveys in other systems such as Malina Lake, Little River Lake, Pasagshak Lake, Ocean Beach, Kafia Lake, Uganik Lake, and Swikshak Lagoon (Caldentey 2009). Sockeye salmon escapements generally met escapement goals with the exception of the Little River, early- and late-run Karluk, Ayakulik, and Buskin stocks (Table 3). A detailed listing of escapement estimates of specific systems can be found in a separate escapement report (Caldentey 2009).

Coho Salmon

Estimating coho salmon escapements to KMA streams can be difficult. Coho salmon often do not migrate into streams to spawn until late fall when rains cause the water levels to rise. The high waters create 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 prior to the 2008 season (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 insufficient budgets. Coho salmon counted into systems with weirs account for 72% of the documented coho salmon escapement. In the limited surveys conducted, coho salmon escapements appeared weak, with the 2008 aggregated KMA escapement estimate of 66,200 fish (Table 5; Caldentey 2009).

Pink Salmon

The majority of pink salmon streams were monitored by aerial surveys, but approximately 49% of the 2008 pink salmon escapement was counted through salmon weirs. The 2008 pink salmon escapement of 2,924,708 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 236,500 fish was below the escapement goal range of 250,000 to 750,000 fish (Table 3; Honnold et al. 2007). District-wide escapements can be found in Appendix M1.

Chum Salmon

After a recent review by ADF&G salmon management and research staff (Honnold et al. 2007) the KMA district-wide chum salmon escapement goals were aggregated from district-wide lower escapement goal ranges to a goal for the entire Kodiak Archipelago and a separate goal for the Mainland District. The majority of the 2008 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. Several major KMA chum salmon systems along Kodiak's west side and in the Mainland District are very remote making it difficult to survey them with ideal frequency. Typically other species of salmon, usually in greater numbers, are present in chum salmon systems and make counting the less numerous chum salmon difficult. Because of this, estimates based on aerial surveys are considered minimum estimates of actual escapement.

The 2008 chum salmon escapement in the Mainland District was 122,425 fish, exceeding the minimum goal of 104,000 fish (Table 3; Honnold et al. 2007). The chum salmon escapement for the Kodiak Archipelago of 101,482 fish did not meet 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 2008, there were 608 commercial salmon fishing permits available in the KMA, of which 277 were fished (CFEC 2008; Table 7). This is far below the recent 10-year average (1998-2007) of 328 permits fished annually.

The KMA is one of 13 designated salmon net registration areas in the State of Alaska. Inseason management of the KMA commercial salmon fishery is structured around seven districts that are subdivided into 56 sections (Appendices A1-A8). These sections are occasionally subdivided further inseason to adjust fishing effort to account for unexpected salmon surpluses or deficits. Each section defines a traditional geographic harvest area which is 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, 2008) and one Terminal Harvest Area (THA; 5 AAC 18.378, 2008) within the KMA to provide harvest opportunity of enhanced salmon runs (Wadle et al. 2008).

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, 2008). 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), 2008) except after September 4. These management units were designated set gillnet-only prior to Alaska being granted statehood. In 1970, this rule was amended such that the Moser 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 (5AAC 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

Ten BOF approved Management Plans (MP), which describe biological and allocative constraints, guide department staff when regulating the Kodiak commercial salmon fisheries. These plans are part of the Kodiak Area Commercial Salmon Fishery Regulations (ADF&G 2008), and were in effect for the KMA in 2008 (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 G), Mainland District Salmon MP (Appendix K) and North Afognak/Shuyak Island Salmon MP (Appendix J). The Cape Igvak Salmon and the North Shelikof Strait Sockeye Salmon management plans (Appendices C and F) affect Kodiak purse seine permit holders' opportunity to target salmon migrating through the KMA to spawning systems in the Chignik and Cook Inlet Management areas. The Crescent Lake Coho Salmon and Spiridon Bay Sockeye Salmon (Appendix H) MPs provide for full utilization of enhanced stocks while protecting local natural stocks.

RECENT REGULATION CHANGES

The BOF regularly reviews the salmon fishery regulations. The most recent review in January of 2008 resulted in the following notable changes:

- 1) A new regulation (5 AAC 18.331 (j), 2008) 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), 2008),
- 3) In the North Shelikof Strait Sockeye Salmon Management Plan, the shoreward zone of the Northwest Afognak Section was increased from what previously was waters inshore of a cape-to-cape line to a line to points one half mile west of these capes (5 AAC 18.363(3)(C), 2008) and,
- 4) A new regulation (5 AAC 18.350 (a) (8), 2008) formalized the adoption of closed waters upstream of the stream terminus of streams designated on the Kodiak Area Salmon Statistical Chart.

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.

SALMON FORECASTS

ADF&G forecasts of salmon runs inform the industry and management staff of what is likely to happen. In addition, the length of the initial fishing periods for pink salmon are determined pre-season based on the magnitude of the pink salmon forecast (Wadle 2008). Chinook, coho, pink and chum salmon harvests were projected by broad geographic area, while forecasts were made for major individual sockeye salmon stocks. Projected harvests were summarized by fishery and geographic area (Nelson et al. 2008; Table 9).

The 2008 commercial Chinook salmon projected harvest was approximately 20,000 fish (Table 9). The sockeye salmon harvest was forecasted to be 1,706,150 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 2008 projected KMA harvest included 409,737 coho, 9,850,000 pink and 919,372 chum salmon. This projection included expected supplemental production of salmon from Kitoi Bay hatchery and the Spiridon Bay enhancement projects.

2008 HARVEST STRATEGY

Seasonal Abundance and Management Consideration

Fluctuations in the abundance of each salmon species within the KMA follow a general chronology (Figure 3). Generally, "early-run" sockeye and Chinook salmon are present throughout June to mid-July, and "late-run" sockeye salmon are present from mid-July through September. Pink and chum salmon are present from July through August. Coho salmon are generally present from August through October. The shift in management consideration follows the anticipated change in abundance of salmon species.

Inseason management actions follow a generalized plan described in annually issued harvest strategies. These strategies detail a specific chronology of management actions related to salmon run timing by species. Sockeye salmon are the primary species targeted from June through early July. However, consideration of early-run chum salmon stocks may influence management in localized areas. Pink salmon are the primary species of management consideration from early July through mid-August, although some areas are managed based on conservation of local sockeye or chum salmon stocks. Late-run sockeye, coho, and late-run chum salmon are of primary management consideration from mid-August through early September. Beginning in early September, coho salmon are the primary species of management focus in many areas although late-run sockeye salmon are still an important consideration in the Alitak and West side fisheries.

The 2008 Kodiak Area Commercial Salmon Fishery Harvest Strategy, released in May 2008, outlined the approaching fishing season (Wadle et al. 2008). This document contained a synopsis of the expected chronology of the 2008 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.

Anticipated Commercial Fishing Openings

The 2008 harvest strategy listed June 5 as the initial opening date of the salmon fishery to target early-run sockeye salmon (Figure 3). 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 were used to evaluate the actual run strength of the Karluk and Ayakulik early-run sockeye salmon stocks. The SHAs of Foul and Waterfall bays were also slated to open on June 5. 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 as early as it has been the last few years, the first fishing period in the Cape Igvak Section could occur between June 5 and June 9.

An initial 33-hour opening was scheduled to start June 9 in the Anton Larsen, Sharatin Bay, Terror Bay, Inner Uganik Bay, Spiridon 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, concurrent with open fishing periods in the Central and North Cape sections. Additionally, more areas could open during the second period if sockeye salmon escapements to local minor systems were of sufficient strength. After June 10, additional fishing

time in west side 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. Based on the preseason forecast, (Nelson et al. 2008) small harvestable surpluses were projected, and short openings near the peak of the sockeye salmon run would be allowed.

Two 33-hour fishing periods were scheduled to start on June 14 and 21 in 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 utilize a portion of minor sockeye salmon runs to Saltery, Ocean Beach, Thorsheim, Long Lagoon, Swikshak, and Kafia Lake systems.

The initial fishing period targeting pink salmon was scheduled to begin July 6, and subsequent weekly fishing periods for July and August were projected (Wadle et al. 2008). Based on the forecasted pink salmon run strength, the first three weekly pink salmon fishing periods in July were set at 2.4 days (57 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.

2008 COMMERCIAL SALMON FISHERY SUMMARY

As anticipated, the 2008 Kodiak commercial salmon fishery began on June 5 with a 57-hour opening in the Central and North Cape sections of the Northwest Kodiak District and in terminal fisheries at Foul and Waterfall bays and in the Duck Bay Section to intercept a portion of the Kitoi hatchery chum salmon run. A 33-hour period in the Alitak District also occurred as anticipated on June 9. The Chignik sockeye salmon run was much weaker than expected and no fishing periods were allowed in the Cape Igvak Section. The anticipated harvestable surplus of Ayakulik River sockeye salmon did not materialize and no fishing time was allowed during June or July, when sockeye salmon would normally be targeted. 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 was moved up a day earlier than anticipated to June 8, but the second opening was delayed until June 22 when it became apparent that most salmon runs were running a bit later than normal. The pink fishery started as scheduled with 57-hour weekly fishing periods in July.

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 2008, the KMA commercial salmon harvest occurred over a 106-day period, with the last reported landing occurring on September 16 (Figure 3). A total of 10 shore-based plants processed salmon from the 2008 KMA fishery (Table 10).

PERMIT PARTICIPATION

A total of 277 KMA commercial salmon fishing permit holders reported harvests in 2008. This was 27 less than the 2007 season and below the recent 10-year (1998-2007) average of 328 permits (Table 7). Purse seine participation during the 2008 season (129 permits) decreased from 2007 season (144 permits) and was below the previous 10-year average of 169 permits. No beach seine permit holders were active during the 2008 season. Set gillnet participation in the 2008 KMA commercial salmon fishing season also decreased (148 permits) from the 2007 season (157 permits). Set gillnet participation was below the recent 10-year average of 158 permits (Table 7).

HARVEST

A total of 11,833,577 salmon were harvested in the 2008 KMA commercial fisheries, considerably lower than the recent 10-year (1998-2007) average of 24,741,876 salmon (Table 6).

Purse seiners caught 83.2% (9,849,353) of the total number of salmon harvested (Table 11), which included 1,067,843 sockeye, 7,667,429 pink, and 830,530 chum salmon. Set gillnet fishermen caught 16.8% (1,984,224) of the commercial salmon harvest (Table 11), which included 751,273 sockeye 1,121,047 pink, and 77,500 chum salmon.

CHINOOK SALMON

The Chinook salmon harvest of 17,176 fish was less than the 1998-2007 average of 19,037 fish (Table 6), and slightly below forecast of 20,000 fish (Table 9). The average weight for Chinook salmon was 8.04 pounds (Table 11). The majority of the Chinook salmon harvest was taken by seine fishermen during June and early July in the Southwest Afognak Section and the Northwest Kodiak District.

Both Karluk and Ayakulik Chinook salmon runs were weak in 2008. To conserve Chinook salmon for escapement, the department implemented 5 AAC 18.395 (non-retention of Chinook salmon over 28 inches) during the one 33-hour open period allowed in the Outer Karluk Section during June and July (the months when Chinook salmon were present). No fishing was allowed in the Inner Karluk, Outer Ayakulik or Inner Ayakulik sections during this time due to low sockeye salmon abundance.

SOCKEYE SALMON

The sockeye salmon harvest of 1,819,116 fish (Table 6) was above forecast (1,706,150 fish; Table 9) but below the 1998-2007 average catch of 3,051,291 fish (Table 6). The average weight for sockeye salmon was 5.53 pounds (Table 11). Approximately 32% of the sockeye salmon harvest (573,523 fish) came from the early and late runs combined in the Westside Kodiak fishery¹. The combined Kitoi Bay Hatchery early and late runs produced a harvest of 66,318 fish and an estimated harvest of 244,000 sockeye salmon bound for Spiridon Lake (Table 9).

¹ From the Southwest Afognak Section, Northwest Kodiak District (except for Spiridon and Settler Cove Terminal 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.

COHO SALMON

The coho salmon harvest of 300,779 fish (Table 6) was below forecast (409,737 fish; Table 9) and also below the 1998-2007 average (409,412 fish; Table 6). Average weight for coho salmon was 8.08 pounds (Table 11). Westside fisheries caught approximately 68,730 coho salmon (forecast 136,637 fish; Table 9). The Eastside/North end Kodiak coho salmon catch² was 43,576 (forecast 48,241 fish). The Afognak non-hatchery harvest included 29,506 coho salmon (forecast 37,380 fish). The coho salmon harvest attributed to the Kitoi Bay Hatchery was 120,366 fish which was also below the hatchery forecast of 161,000 fish (Table 9).

PINK SALMON

The pink salmon harvest of 8,788,476 fish (Table 6) was below the forecasted harvest (9,850,000 fish; Table 9) and less than the most recent five even-year (1998-2006) average of 20,690,329 fish (Table 6). The average weight (3.70 pounds; Table 11) of pink salmon caught was larger than the 2007 average pink salmon weight and heavier than most other recent years' harvest. The non-hatchery pink salmon harvest of 6,670,084 fish was slightly above the harvest projection (5,900,000 fish), with the Westside Kodiak fishery accounting for more than 46% of the estimated total (3,067,936 harvest, forecast 3,800,000; Table 9). Fisheries associated with the Kitoi Bay Hatchery caught approximately 2,118,392 pink salmon (forecast 3,950,000; Table 9) but 1,694,647 of those fish (80%) were harvested in the cost recovery fishery for the Kitoi Bay Hatchery.

CHUM SALMON

The chum salmon harvest of 908,030 fish (Table 6) was slightly below forecast of 919,372 fish (Table 9) but above the 1998-2007 average of 869,010 fish (Table 6). The chum salmon average weight was 8.41 pounds (Table 11). Westside fisheries harvested 176,770 chum salmon compared to a forecast 271,100 fish (Table 9), Eastside/North end Kodiak catches totaled 317,947 chum salmon compared to a forecast 201,300 fish, and Mainland catches totaled 213,810 chum salmon compared to a forecast of 168,270 fish. The chum salmon harvest attributed to the Kitoi Bay Hatchery of 93,025 fish was less than the hatchery forecast of 215,000 (Table 9).

EXVESSEL VALUE

The estimated total exvessel value of the 2008 fishery was \$27,957,042 (Table 11), which was above the 1998-2007 average value of \$24,321,902 (Table 12). This exvessel value was based on inseason price estimates. The average price per pound, by gear and species, can be found in Table 11. The inseason values do not reflect additional payments made to fishermen for dock deliveries, refrigerated or iced fish, or post-season price adjustments.

Purse seine permit holders' gross earnings averaged \$164,127 (1998-2007 average \$109,266; Table 12). Gillnet permit holders' gross earnings averaged \$43,199 (1998-2007 average \$38,427; 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 2008 KMA commercial salmon fishery (Duesterloh and Aro 2008). In the past, KRAA implemented cost recovery programs from 1987 through 1989 and 2003 through 2007. The purpose was to raise funds to defray operational costs at the Kitoi Bay Hatchery. In 2008, a cost recovery harvest occurred August 2 through August 23, and took place within Inner Kitoi Bay Section and included 4,275 sockeye, 1,694,647 pink and 717 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 (5 AAC 01.525, 2008).

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.

The 2008 Chinook salmon runs to both the Ayakulik and Karluk rivers were weak and the early-run Karluk sockeye salmon run was late necessitating emergency orders closing subsistence fishing on those streams. On June 19, subsistence fishing for all salmon in that part of Karluk River above the weir was closed to conserve both Chinook and sockeye salmon needed for escapement. On June 21, subsistence fishing for Chinook salmon only was closed in the Ayakulik River to conserve fish in that drainage needed for escapement. Also on June 21, the subsistence fishery above the Karluk weir was reopened for all species of salmon except Chinook salmon when it appeared sockeye salmon escapement rates improved.

The 2008 Buskin Lake sockeye salmon run was weak necessitating an emergency order closing subsistence fishing near the mouth of this stream. On June 19, subsistence fishing was closed in this locality until August 1, to conserve sockeye salmon necessary to meet escapement needs.

The 2008 subsistence harvest data were not summarized at the time this report was written. However, 1,929 of the 2007 subsistence returned permits reported subsistence harvest of 32,429 salmon; including 207 Chinook, 25,656 sockeye, 4,715 coho, 1,585 pink and 266 chum salmon (Table 13). Historically, the most utilized subsistence fishery areas include the north end of Kodiak Island, the Buskin and Pasagshak rivers, and the southeast side of Afognak Island at Afognak Lake. Reported subsistence salmon harvests averaged 36,778 fish annually for the 10-year period 1998-2007 (Table 13). Sockeye salmon have accounted for 78% of the recent 10-year average harvest (28,538), followed by coho salmon at 16% (5,981), pink salmon at 4% (1,512), and both chum (370), and Chinook salmon (377) 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 legally retain harvested salmon for their own personal 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 board also placed the regulation under General Provisions in commercial salmon regulation books to more closely match the user group. The regulation was numbered 5 AAC 39.010 and 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 2008, 19 permit holders reported retaining 3,270 salmon from their commercial harvest for “home pack” or personal use. This included 76 Chinook, 2,513 sockeye, 681 coho, 0 pink and 0 chum salmon (Table 14).

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TABLES AND FIGURES

Table 1.—Estimated number of anadromous 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	1	8	33	91	54
Northeast Kodiak	27	0	1	27	20	12
Mainland	97	0	5	13	97	61
TOTAL	415	4	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 Daigneault 2008). 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, 1994-2008.

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	285,132	120,404	2,186,636	100,994	2,693,166
<u>Average</u>					
1998-2007	358,544	147,747	6,895,502	197,366	7,599,159

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).

Table 3.—Comparison of 2008 salmon peak escapements and escapement goals of index streams, by species, in the Kodiak Management Area.

<i>Species</i>	Stream	Escapement Goal		Escapement
System (or group of systems)	Number	Lower	Upper	Estimate ^a
<i>Chinook</i>				
Karluk ^b	255-101	3,600	7,300	752
Ayakulik ^b	256-201	4,800	9,600	3,071
	Total	8,400	16,900	3,823
<i>Sockeye</i>				
Malina	251-105	1,000	10,000	3,690
Afognak	252-342	20,000	50,000	26,874
Little River	253-115	3,000		2,300
Uganik	253-122	24,000		64,700
Karluk	255-101			
	Early run	110,000	250,000	82,071
	Late run	170,000	380,000	164,419
Ayakulik	256-201	200,000	500,000	162,888
Upper Station	257-304			
	Early run	30,000	65,000	38,800
	Late run	120,000	265,000	184,856
Frazer	257-403	75,000	170,000	105,363
Buskin	259-211	8,000	13,000	5,900
Pasagshak	259-411	3,000	12,000	14,900
Saltery ^b	259-415	15,000	30,000	49,266
	Total	779,000	1,745,000	906,027
<i>Coho</i>				
Buskin	259-211	3,200	7,200	9,028
American	259-231	400	900	700
Olds (Sid Olds)	259-242	1,000	2,200	656
Pasagshak	259-411	1,200	3,300	3,875
	Total	5,800	13,600	14,259
<i>Pink</i>				
Mainland District		250,000	750,000	236,500
Kodiak Archipelago		2,000,000	5,000,000	2,924,708
	Total	2,250,000	5,750,000	3,161,208
<i>Chum</i>				
Mainland District		104,000		122,425
Kodiak Archipelago		151,000		101,482
	Total	255,000		223,907

^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, 2008.

Weir Locations	Dates		Species ^a					Totals
	Installed	Removed	Chinook	Sockeye	Coho	Pink	Chum	
1. Karluk River	5/23	9/22	752	246,490	16,524	624,540	72	888,378
2. Ayakulik River	5/25	9/7	3,071	162,888	8,819	741,797	15	916,590
3. Dog Salmon River	5/29	8/20	90	153,276	22	106,331	1,748	261,467
4. Frazer Lake fish pass ^b	6/10	8/28	19	105,363	0	283	0	105,665
5. Upper Station	5/22	9/16	1	223,656	9,050	5,415	0	238,122
6. Buskin River	5/20	9/29	2	5,898	9,028	43,167	76	58,171
7. Lake Louise	6/8	9/8	0	833	145	1,084	0	2,062
8. Afognak River-Litnik	5/22	8/7	0	26,874	147	15,716	1	42,738
9. Saltery River	6/27	8/7	0	49,266	17	12,916	35	62,234
10. Big Bay Creek	8/10	9/9	0	0	4,108	1,020	0	5,128
Totals			3,916	821,268	47,860	1,551,986	1,947	2,474,890

^a Counts include post weir estimates after weirs were removed.

^b Fish 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 eliminated from the totals.

Table 5.—Indexed salmon escapements, by species, in the Kodiak Management Area, 1978-2008.

Year	Number of Salmon					
	Chinook	Sockeye	Coho	Pink	Chum	Total
1978	14,677	1,000,353	37,479	5,006,273	482,956	6,541,738
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
<u>Average - Previous 10 Years:</u>						
1998-2007	20,967	1,654,694	132,114	5,364,912	549,389	7,722,076
Odd Years Only				3,802,171		
Even Years Only				6,927,653		
<u>Average - Previous Decades:</u>						
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
<u>Average - Overall</u>						
1978-2008	20,105	1,740,574	142,196	4,964,111	611,685	7,478,672

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, 1882-2008.

Year	Number of Salmon					Total ^a
	Chinook ^a	Sockeye ^a	Coho ^a	Pink ^a	Chum ^a	
1882	-	58,800	-	-	-	58,800
1883	-	188,706	-	-	-	188,706
1884	-	282,184	-	-	-	282,184
1885	-	468,580	-	-	-	468,580
1886	-	646,100	-	-	-	646,100
1887	-	1,004,500	-	-	-	1,004,500
1888	-	2,781,100	-	-	-	2,781,100
1889	-	3,754,735	-	-	-	3,754,735
1890	-	3,592,707	-	-	-	3,592,707
1891	-	3,846,388	-	-	-	3,846,388
1892	-	3,126,459	-	-	-	3,126,459
1893	-	3,244,609	-	-	-	3,244,609
1894	-	3,830,336	-	-	-	3,830,336
1895	-	2,246,966	8,321	-	-	2,255,287
1896	-	3,328,846	-	-	-	3,328,846
1897	-	2,785,515	1,500	-	-	2,787,015
1898	-	2,033,094	19,175	-	-	2,052,269
1899	1,104	1,934,771	32,475	-	-	1,968,350
1900	4,838	3,450,480	32,239	-	-	3,487,557
1901	3,838	4,826,159	-	2,015	-	4,832,012
1902	2,932	3,868,101	34,972	-	-	3,906,005
1903	1,187	1,826,163	119,541	10,000	-	1,956,891
1904	3,190	2,875,118	103,136	5,180	-	2,986,624
1905	2,496	2,142,367	86,913	-	-	2,231,776
1906	3,640	3,980,462	23,738	-	-	4,007,840
1907	4,015	4,232,454	38,059	-	-	4,274,528
1908	3,028	2,487,848	73,789	286,374	-	2,851,039
1909	3,907	1,915,230	51,500	153,595	-	2,124,232
1910	1,598	1,954,717	44,291	215,382	-	2,215,988
1911	689	2,685,949	21,870	229,551	6,492	2,944,551
1912	686	2,246,467	17,491	547,171	24,588	2,836,403
1913	1,082	1,663,163	27,634	590,039	3,822	2,285,740
1914	1,329	1,255,444	32,063	1,726,411	13,094	3,028,341
1915	939	1,664,426	51,819	252,073	20,331	1,989,588
1916	1,038	3,373,055	49,683	3,181,890	28,962	6,634,628
1917	1,457	3,645,914	30,485	225,335	15,961	3,919,152
1918	2,021	1,894,466	78,169	2,467,325	81,699	4,523,680
1919	1,831	1,619,101	104,233	282,715	60,102	2,067,982
1920	1,637	1,957,636	88,970	1,977,421	55,175	4,080,839
1921	660	2,857,922	45,764	67,688	24,779	2,996,813
1922	703	1,097,359	119,724	2,766,257	223,970	4,208,013
1923	1,915	1,090,117	77,554	928,510	38,653	2,136,749
1924	1,002	1,407,525	120,686	5,435,091	117,883	7,082,187
1925	1,911	1,693,057	92,960	267,367	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					Total ^a
	Chinook ^a	Sockeye ^a	Coho ^a	Pink ^a	Chum ^a	
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					Total ^a
	Chinook ^a	Sockeye ^a	Coho ^a	Pink ^a	Chum ^a	
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
<u>Averages^b</u>						
1998-2007	19,037	3,051,291	409,412	20,393,127	869,010	24,741,876
Even Years, 1998-2006				20,690,329		
Odd Years, 1997-2007				20,095,924		
1882-2007	5,145	1,825,728	132,702	7,566,089	545,635	10,074,070
1948-2007	7,823	1,647,068	165,341	10,613,741	801,724	13,235,697
Even Years, 1948-2006				11,214,281		
Odd Years, 1949-2007				12,488,434		

Source: 1882-1947 data are from processors case pack information. 1948-2008 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, 1975-2008

Year	Purse Seine		Beach Seine		Set Gillnet		Total		Percent
	Available	Fished	Available	Fished	Available	Fished	Available	Fished	
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
<u>Average - Previous 10 Years:</u>									
1998-2007	384	169	36	1	188	158	608	328	54
<u>Average - Previous Decades:</u>									
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
<u>Average^a - Overall:</u>									
1975-2008	388	267	35	13	189	164	612	444	73

Source: Commercial Fisheries Entry Commission Summary Information and Reports (CFEC 2008) 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, 2008.

Management Plan	Year Initiated	Management Units Affected	Dates in Effect
Cape Igvak Salmon	1978	Cape Igvak Section Wide Bay Section	6/5 - 7/25
Alitak District Salmon	1987	Alitak District	6/1 - 10/31
Westside Kodiak Salmon	1990	NW Kodiak District SW Kodiak District SW Afognak Section	6/1 - 10/31
North Shelikof Strait Sockeye Salmon	1991	SW Afognak Section NW Afognak Section Shuyak Island Section Big River Section Hollo Bay Section Inner and Outer Kukak Bay Sections Dakavak Bay Section	7/6 - 7/25
Crescent Lake Coho Salmon	1990	Special Harvest Area in the Central Section near Port Lions	7/15 - 10/31
Spiridon Bay Sockeye Salmon	1993	Special Harvest Area in Spiridon Bay Section	6/9 - 10/31
Eastside Afognak Salmon	1993	Southeast Afognak Section Kitoi Bay Section Izhut Bay Section Duck Bay Section Raspberry Strait Section	6/1 - 10/31
Eastside Kodiak Salmon	1995	Eastside Kodiak District NE Kodiak District	6/14 - 10/31
Afognak Shuyak Salmon	1995	Perenosa Bay Section Shuyak Island Section NW Afognak Section	6/1 – 10/31
Mainland District Salmon	1999	Mainland District	6/14 – 10/31

Table 9.—Projected versus actual 2008 commercial salmon harvest, by species and fishery, for the Kodiak Management Area.

	Chinook	Sockeye	Coho	Pink	Chum	Total
Projected Harvest 2008 ^a	20,000	1,706,150	409,737	5,900,000	919,372	8,955,258
Actual Harvest 2008 ^b	17,176	1,819,116	300,779	8,788,476	908,030	11,833,577

FISHERY	2008 Harvest	
	Projection ^c	Actual ^b
Early Sockeye Salmon Fisheries (6/1-7/15)		
Kitoi Bay Hatchery ^d	23,000	39,399
Cape Igvak ^e	108,000	0
Karluk ^f	251,000	173,065
Ayakulik ^g	85,500	0
Alitak District ^h	357,000	408,048
Minor Systems ⁱ	39,000	57,363
Minor Enhancement ^j	20,000	5,879
Spiridon ^k	109,368	164,644
Other	100,000	67,591
Subtotal	1,092,868	915,989
Late Sockeye Salmon Fisheries (7/16-10/31)		
Kitoi Bay Hatchery ^d	23,000	26,919
Cape Igvak ^e	60,150	0
Karluk ^f	191,000	312,442
Ayakulik ^g	85,500	49,740
Alitak District ^h	55,000	335,004
Minor Systems ⁱ	12,000	19,815
Spiridon ^k	116,632	79,356
Other	70,000	79,851
Subtotal	613,282	903,127
TOTAL SOCKEYE	1,706,150	1,819,116
Coho Salmon Fisheries		
Kitoi Bay Hatchery ^d	161,000	120,366
A fognak (non-hatchery) ^l	37,380	29,506
Westside Kodiak ^m	136,637	68,730
Alitak District	8,530	15,390
Eastside/Northend Kodiak ⁿ	48,241	43,576
Mainland District	17,950	23,211
Subtotal	409,737	300,779

-continued-

Table 9.–Page 2 of 3.

FISHERY	2008 Harvest	
	Projection ^c	Actual ^b
Pink Salmon Fisheries		
Kitoi Bay Hatchery ^d	3,950,000	2,118,392
Afognak (non-hatchery) ^l	400,000	939,579
Westside Kodiak ^m	3,800,000	3,067,936
Alitak District	700,000	712,242
Eastside/Northend Kodiak ⁿ	600,000	1,298,089
Mainland District	400,000	652,238
Subtotal/Wild stock pinks	5,900,000	6,670,084
Subtotal/all pinks	9,850,000	8,788,476
Chum Salmon Fisheries		
Kitoi Bay Hatchery ^d	215,000	93,025
Afognak (non-hatchery) ^l	19,750	27,784
Westside Kodiak ^m	271,100	176,770
Alitak District	43,952	78,694
Eastside/Northend Kodiak ⁿ	201,300	317,947
Mainland District	168,270	213,810
Subtotal	919,372	908,030
Grand Total ^o	12,905,258	11,833,577

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

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

^c 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.

^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 Terminal 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.

^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.

-continued-

- ⁱ From minor systems at Inner and Outer Ugak Bay (Saltery), Buskin River, Perenosa Bay (Portage), Northwest Afognak (Thorsheim and Long Lagoon), Big River (Swishak), and Outer Kukak Bay (Kafliia and 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 West side 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 2008 harvest of 20,000 Chinook salmon, the actual harvest of 17,176 Chinook salmon.

Table 10.—Commercial salmon buyers and processing plants active in the Kodiak Management Area, by geographic area and type, 2008.

Buyers/Processors	<u>Shore-based Processors</u>			<u>Floating Processors</u>		
	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				
Gordon Jensen Jr.					X	
Family Pride Inc. F/V Family Pride				X		
Richard Blanc					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	8	2	0	4	3	0

Table 11.—Commercial salmon harvest and value, by gear and species, in the Kodiak Management Area, 2008.

	Number of Salmon						
	Chinook	Sockeye	Coho	Pink	Chum	Total	%
Purse Seine							
Total # ^a	15,248	1,067,843	268,303	7,667,429	830,530	9,849,353	83.2
<u>Avg. Wt.</u>	<u>7.83</u>	<u>5.54</u>	<u>8.11</u>	<u>3.66</u>	<u>8.41</u>		
Total Lbs. ^a	119,397	5,919,961	2,176,830	28,100,915	6,981,377	43,298,480	82.0
<u>Avg. \$/Lb.</u> ^b	<u>\$0.99</u>	<u>\$1.17</u>	<u>\$1.11</u>	<u>\$0.30</u>	<u>\$0.47</u>		
Exvessel \$	\$118,203.03	\$6,926,354.37	\$2,416,281.30	\$8,430,274.50	\$3,281,247.19	\$21,172,360.39	75.7
# of Permits =	129						
Average Value \$	\$916.30	\$53,692.67	\$18,730.86	\$65,350.97	\$25,436.02	\$164,126.82	
Percent %	0.6	32.7	11.4	39.8	15.5	100.0	
Beach Seine	<i>No Activity in 2008</i>						
Set Gillnet							
Total # ^a	1,928	751,273	32,476	1,121,047	77,500	1,984,224	16.8
<u>Avg. Wt.</u>	<u>9.7</u>	<u>5.51</u>	<u>7.81</u>	<u>3.95</u>	<u>8.49</u>		
Total Lbs. ^a	18,706	4,142,318	253,561	4,430,263	657,701	9,502,549	18.0
<u>Avg. \$/Lb.</u> ^b	<u>\$1.09</u>	<u>\$1.17</u>	<u>\$0.99</u>	<u>\$0.23</u>	<u>\$0.39</u>		
Exvessel \$	20,390	4,846,512	251,025	1,018,960	256,503	6,393,391	22.9
# of Permits =	148						
Average Value \$	\$137.77	\$32,746.70	\$1,696.12	\$6,884.87	\$1,733.13	\$43,198.59	
Percent %	0.3	75.8	3.9	15.9	4.0	100.0	
Total All Gear							
Total # ^a	17,176	1,819,116	300,779	8,788,476	908,030	11,833,577	100.0
<u>Avg. Wt.</u>	<u>8.04</u>	<u>5.53</u>	<u>8.08</u>	<u>3.70</u>	<u>8.41</u>		
Total Lbs. ^a	138,103	10,062,279	2,430,391	32,531,178	7,639,078	52,801,029	100.0
<u>Avg. \$/Lb.</u> ^b	<u>\$0.99</u>	<u>\$1.17</u>	<u>\$1.11</u>	<u>\$0.30</u>	<u>\$0.47</u>		
Exvessel \$	\$136,722	\$11,772,866	\$2,697,734	\$9,759,353	\$3,590,367	\$27,957,042	100.0
% of Total Value	0.5	42.1	9.6	34.9	12.8	100.0	

^a Numbers and pounds of fish are derived from ADF&G fish ticket summaries. There were 7,970 fish tickets generated in 2008; each ticket represents a landing. Each gear type had the following landings: Purse Seine – 3,009; Beach Seine – 0; Set Gillnet – 4,961. 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 fishers for refrigerated or iced fish, dock deliveries, or postseason settlements.

Table 12.—Estimated commercial salmon harvest and value, by gear type, in the Kodiak Management Area, 1970-2008.

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
Average - Previous 10 Years:					
1998-2007	24,742,827	\$24,321,902	\$109,266	\$38,427	\$1,547
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 2003-2008 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, 1970-2007.

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
<u>Recent 10-year Average</u>									
1998-2007	2,105	1,825	86	377	28,538	5,981	1,512	370	36,778
Species Composition by Percent				1%	78%	16%	4%	1%	100%
<u>Averages^b - Previous Decades:</u>									
1990-1999	1,976	1,778	90	263	22,590	6,756	1,622	480	31,448
1980-1988	1,259	1,076	85	119	14,481	6,038	2,450	707	23,677
1970-1979	973	618	64	81	8,808	3,770	3,024	453	16,053
<u>Average^b - Overall</u>									
1970-2007	1,718	1,530	79	238	21,112	6,170	1,958	523	30,001

Source: 1981 and 1986 to 2007 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.
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Table 14.–Retention of salmon taken in commercial salmon fisheries but not sold, by species, for the Kodiak Management Area, 1997-2008.

Year	Permits	Landings	Home Pack in Number of Salmon ^a					Total
			Chinook	Sockeye	Coho	Pink	Chum	
1997	10	10	7	678	91	6	2	784
1998	4	5	8	26	9	0	0	43
1999	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
10-yearAverage:								
1998-2007	19	39	43	3,433	3,185	1,260	35	7,956

Source: ADF&G fish ticket data base

Note: Conf=Confidential data.

^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 BOF adopted a regulation clearly stating that these fish were not to be sold or bartered (5 AAC 39.010).

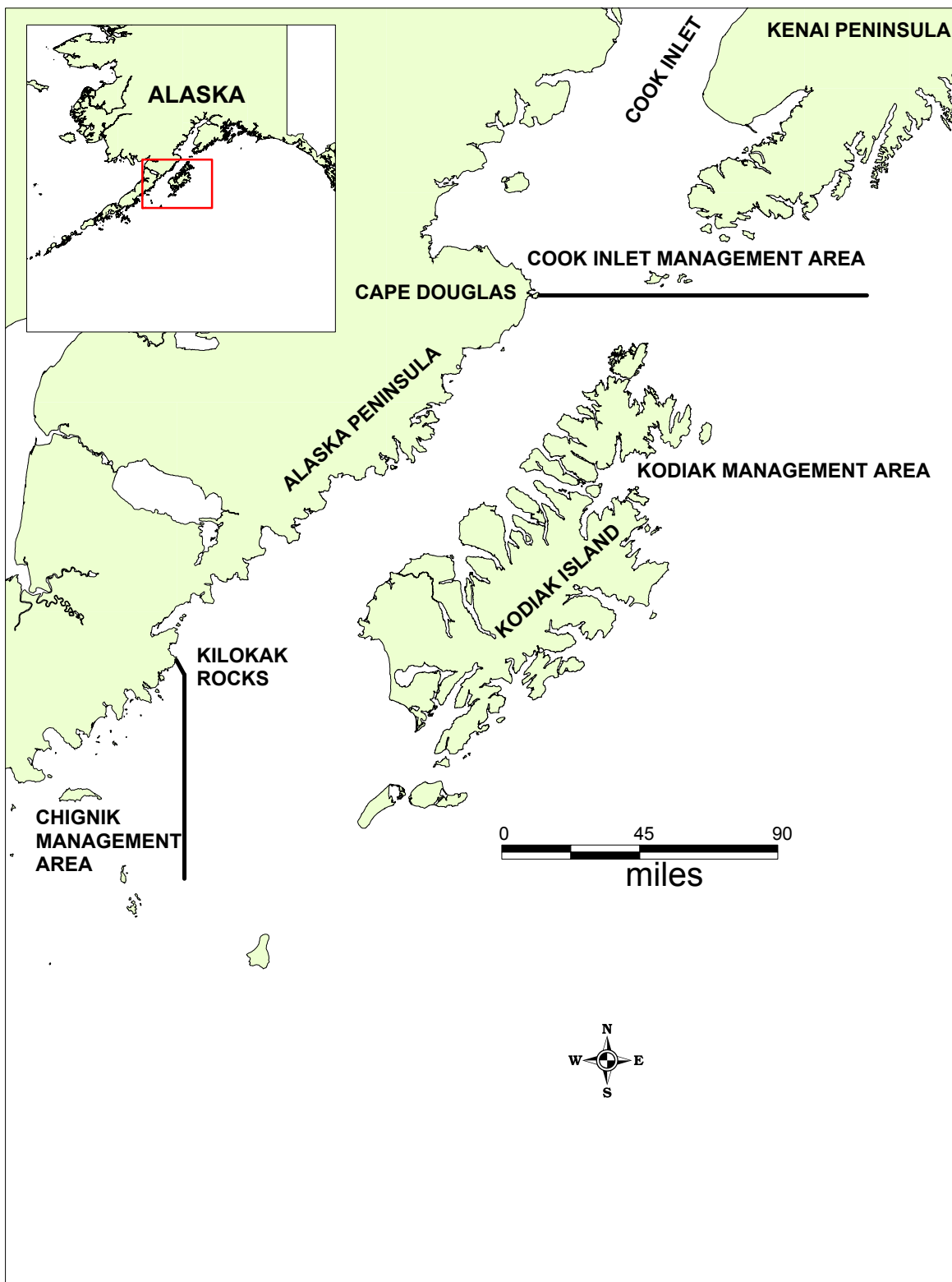


Figure 1.—Map of the location of the Kodiak Management Area and neighboring management areas, 2008.

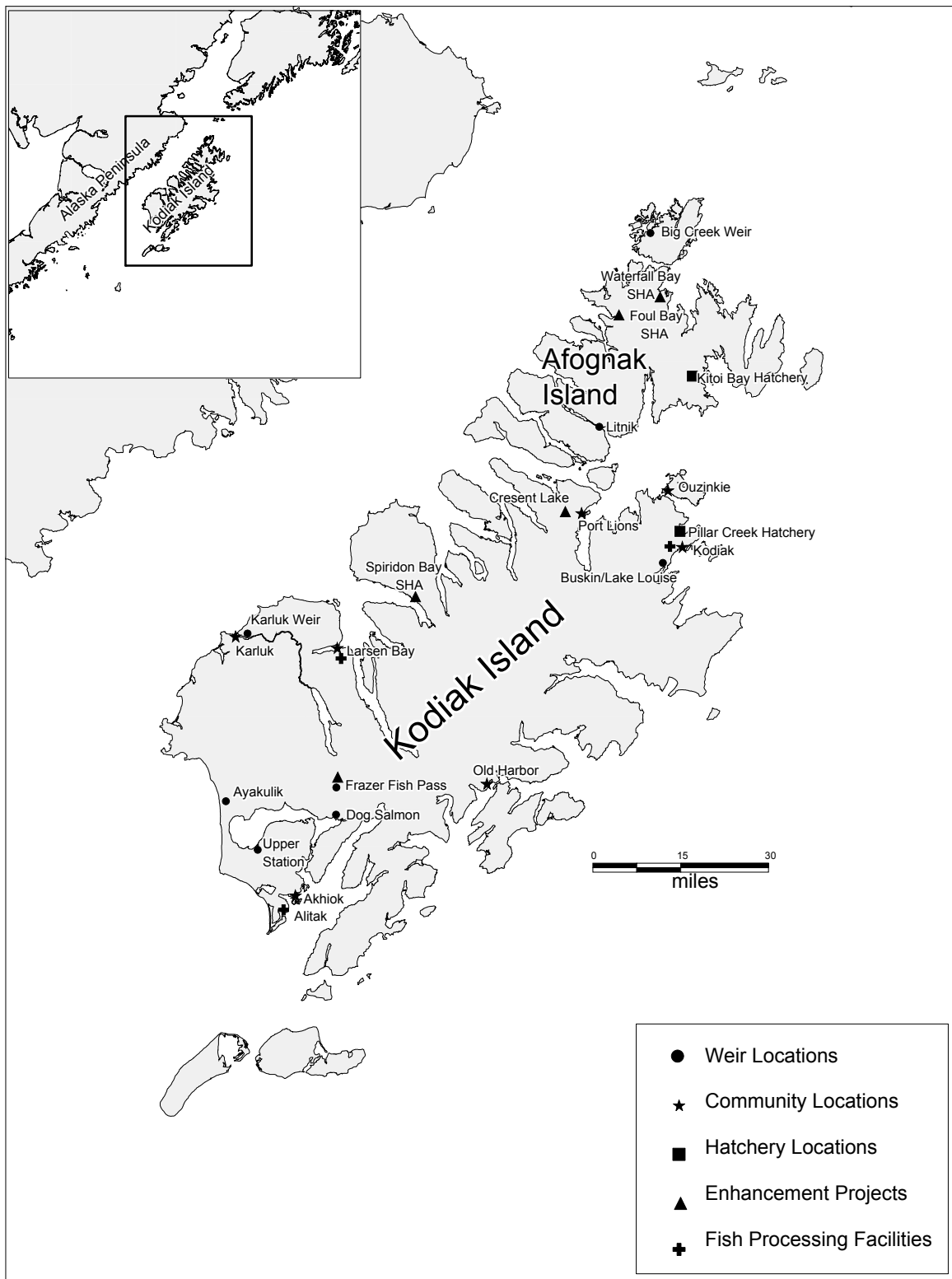


Figure 2.—Map of the Kodiak Archipelago showing communities, canneries, sockeye salmon enhancement projects, weir, and hatchery locations in the Kodiak Management Area, 2008.

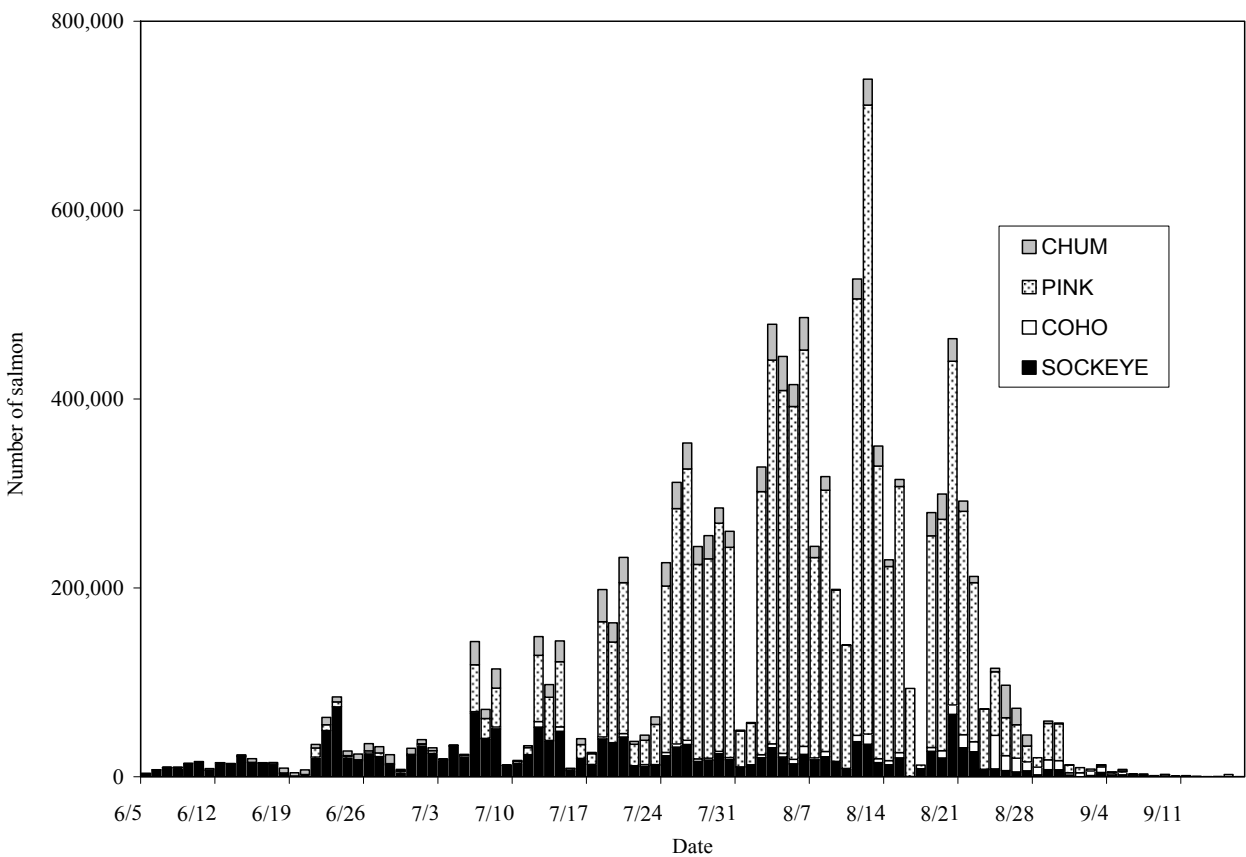
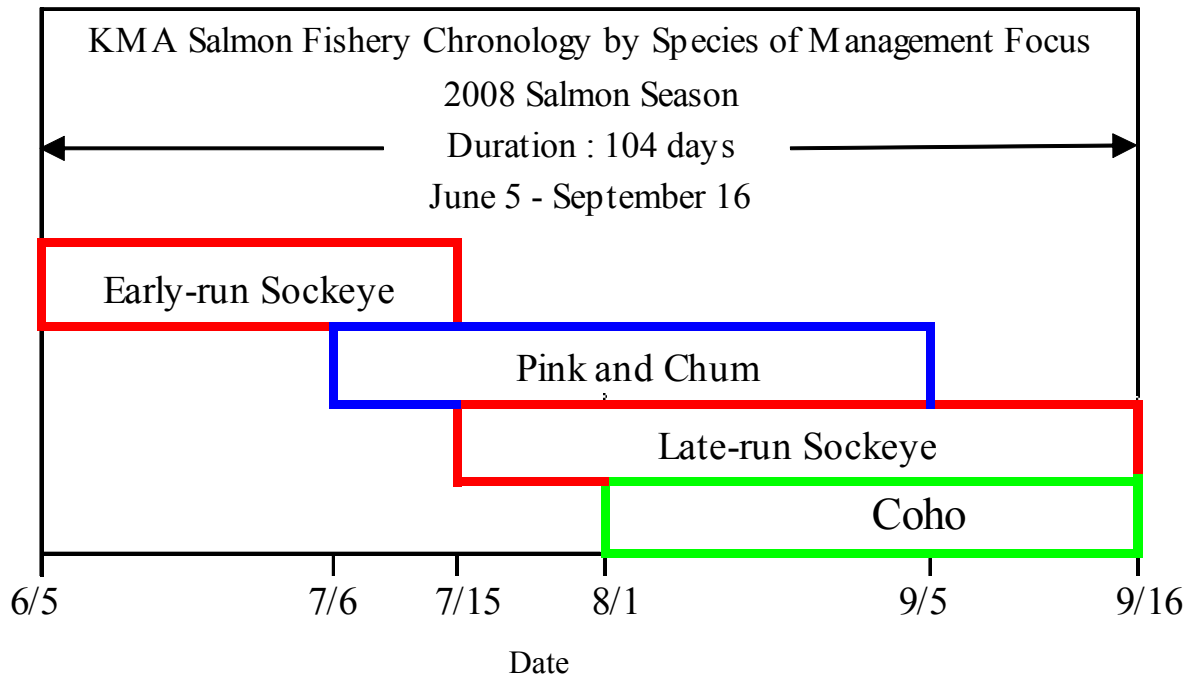
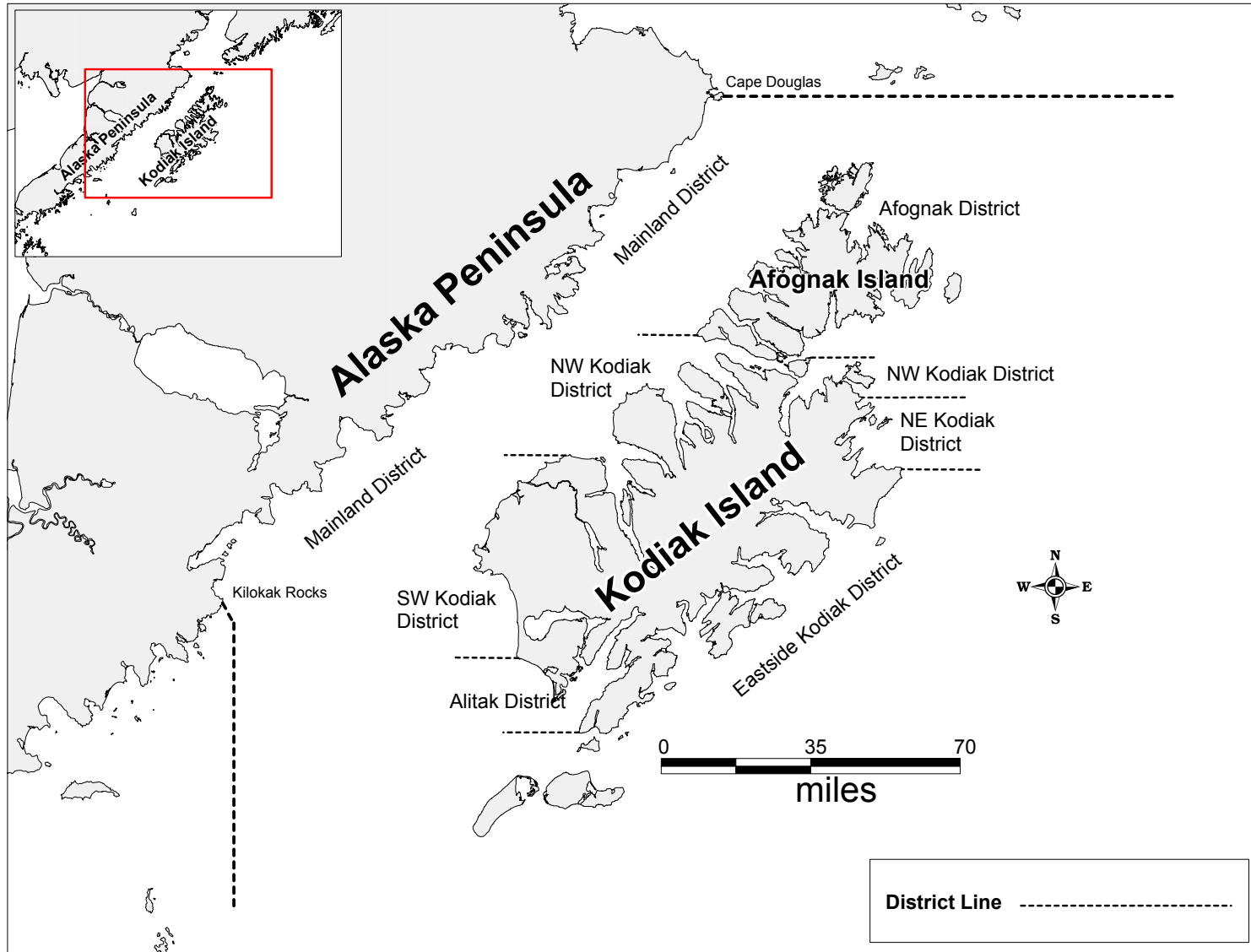


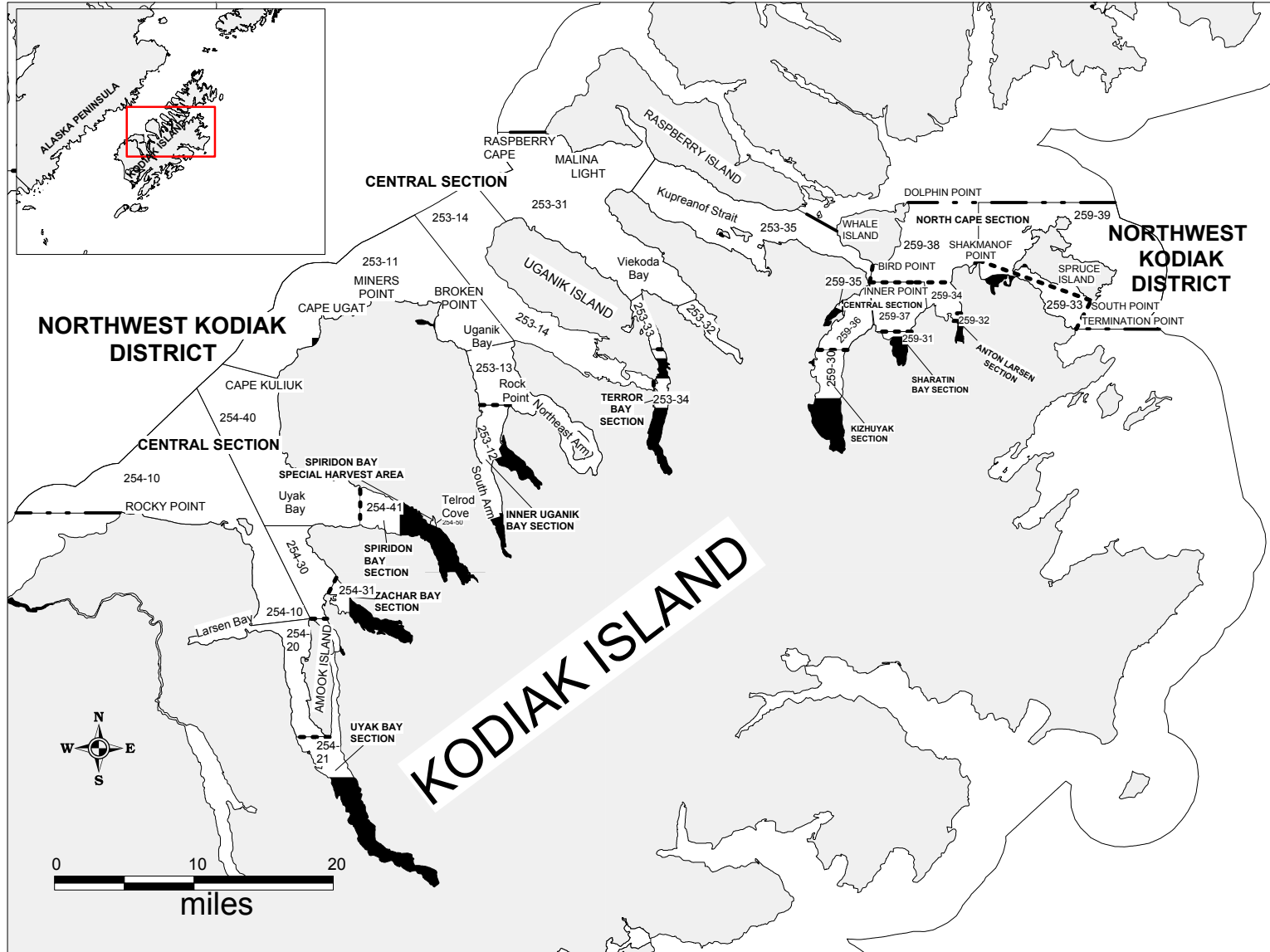
Figure 3.—Commercial salmon fishery chronology and daily harvest by date and species of management focus, Kodiak Management Area, 2008.

APPENDIX A. MAPS OF FISHING DISTRICTS

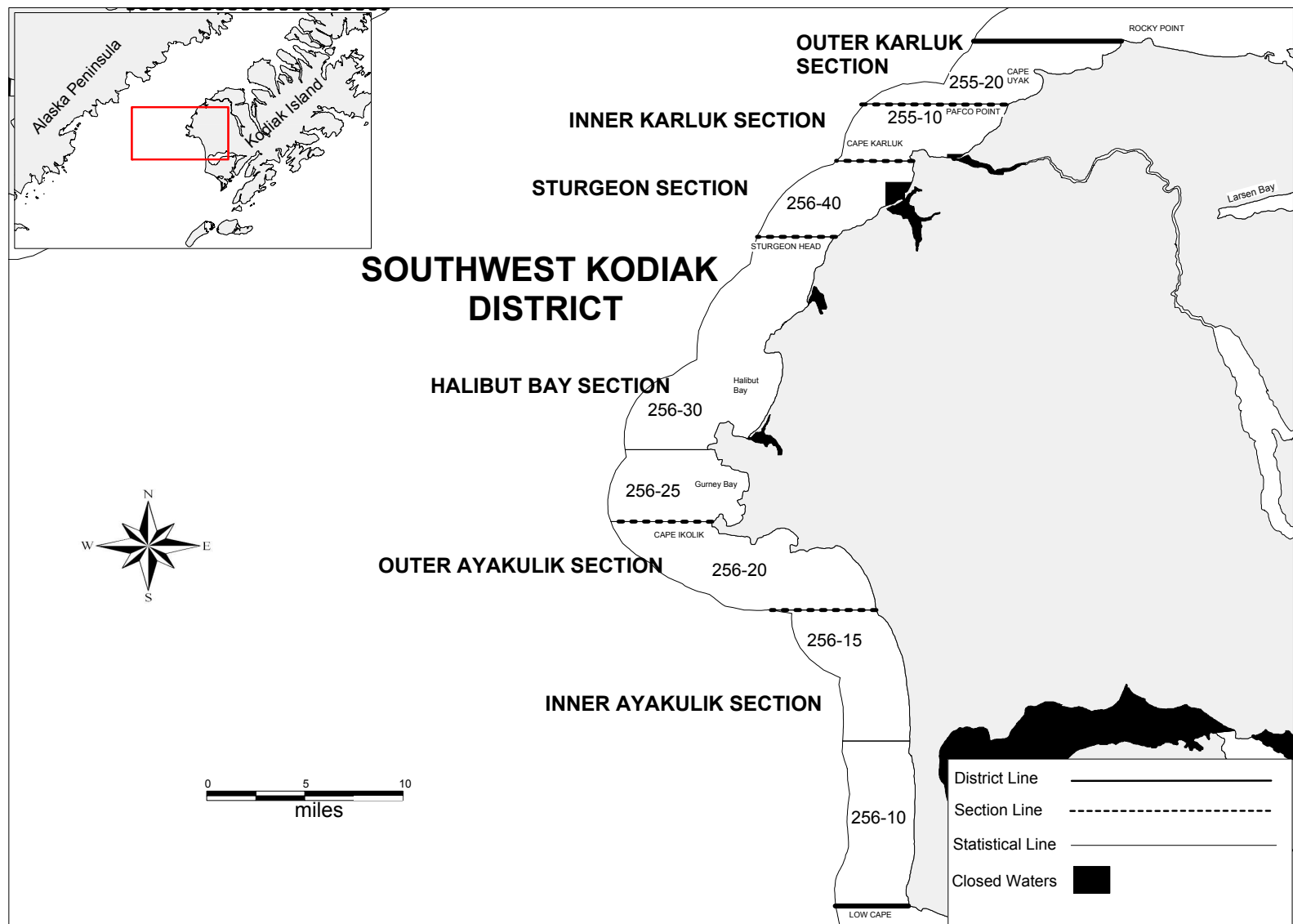


Appendix A1.—Map of the Kodiak Management Area identifying commercial salmon fishing districts.

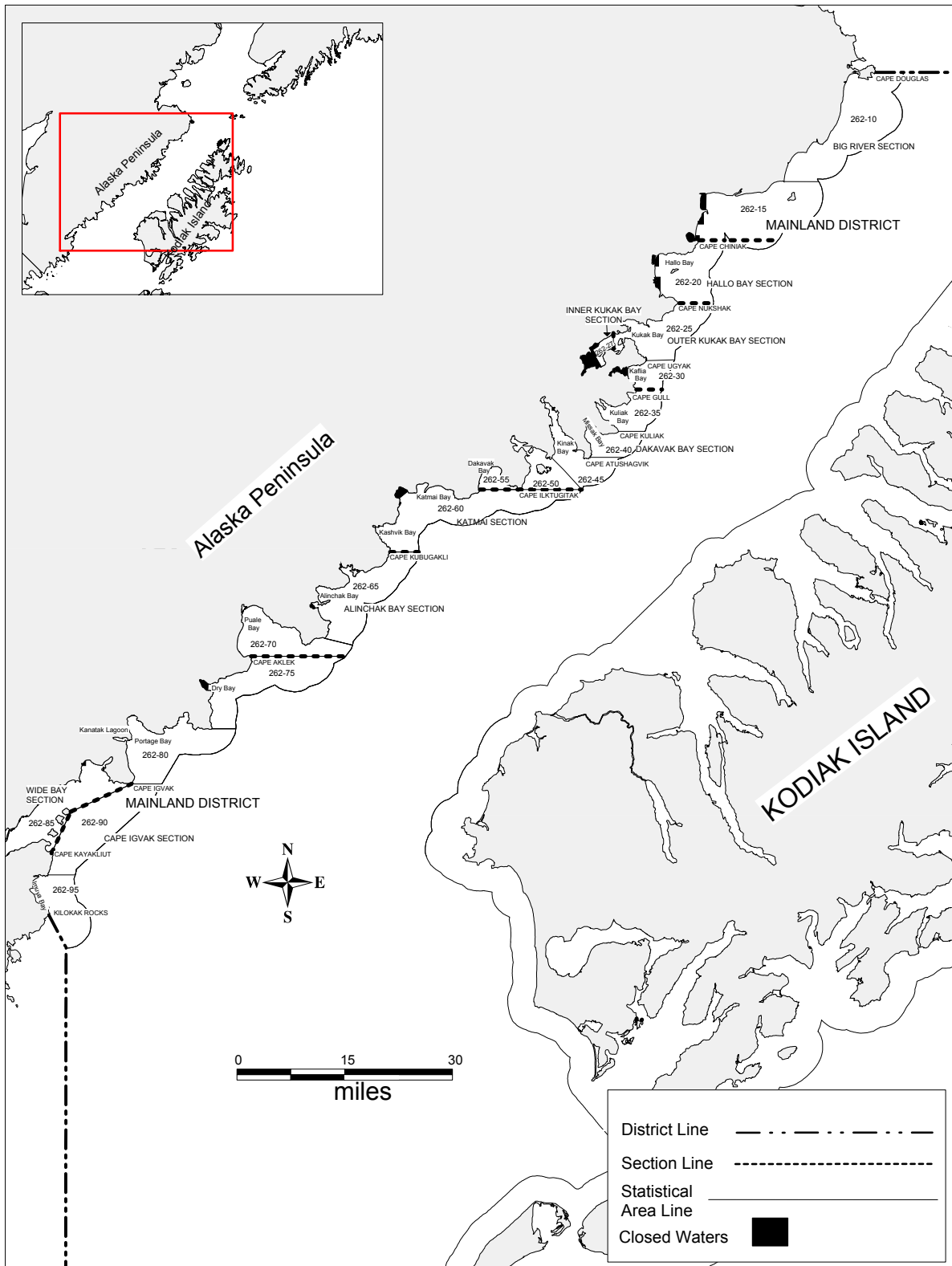
Appendix A2.—Map of the Alitak District identifying commercial salmon fishing sections and statistical areas.



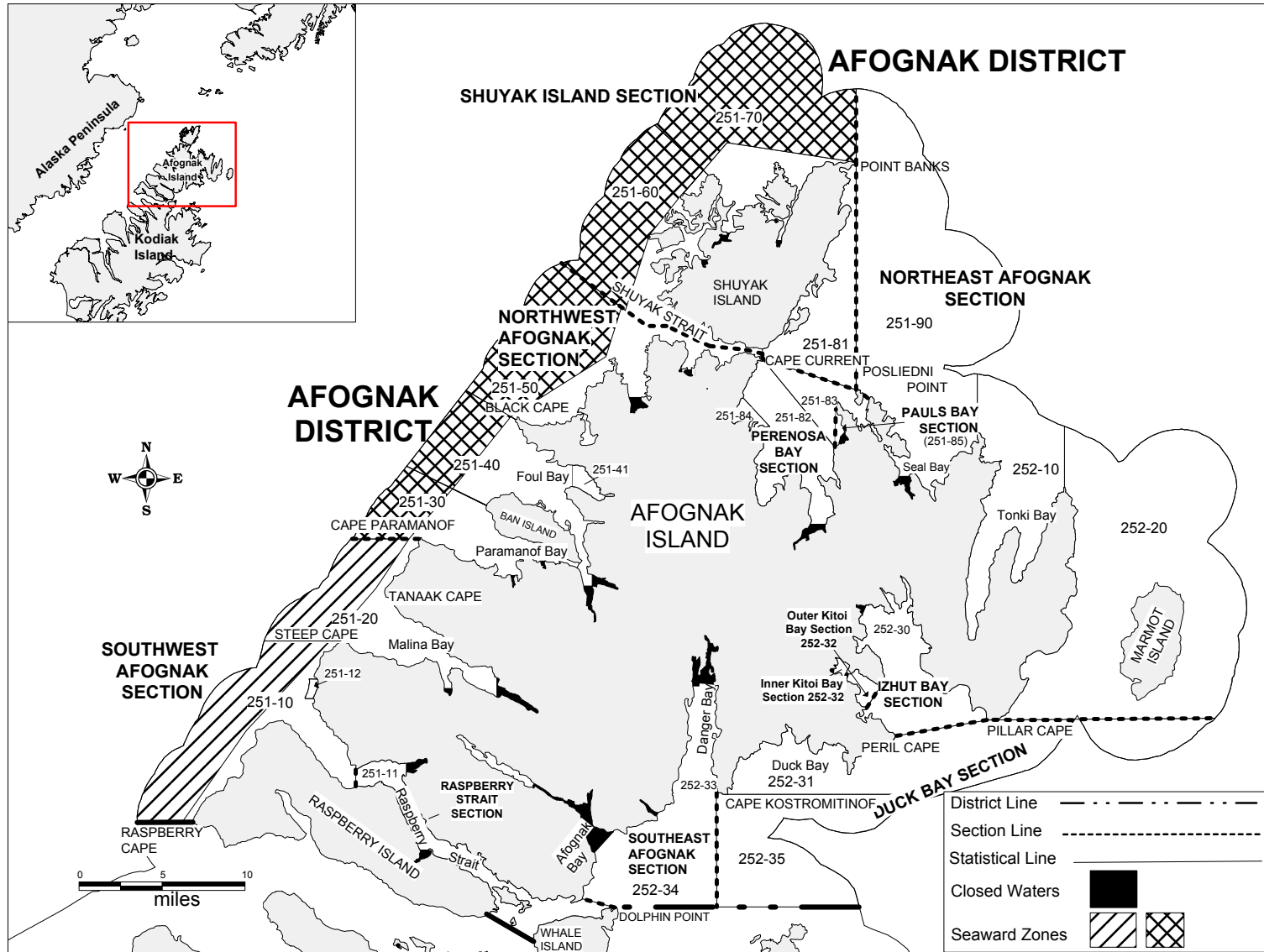
Appendix A3.—Map of the Northwest Kodiak District identifying commercial salmon fishing sections and statistical areas.



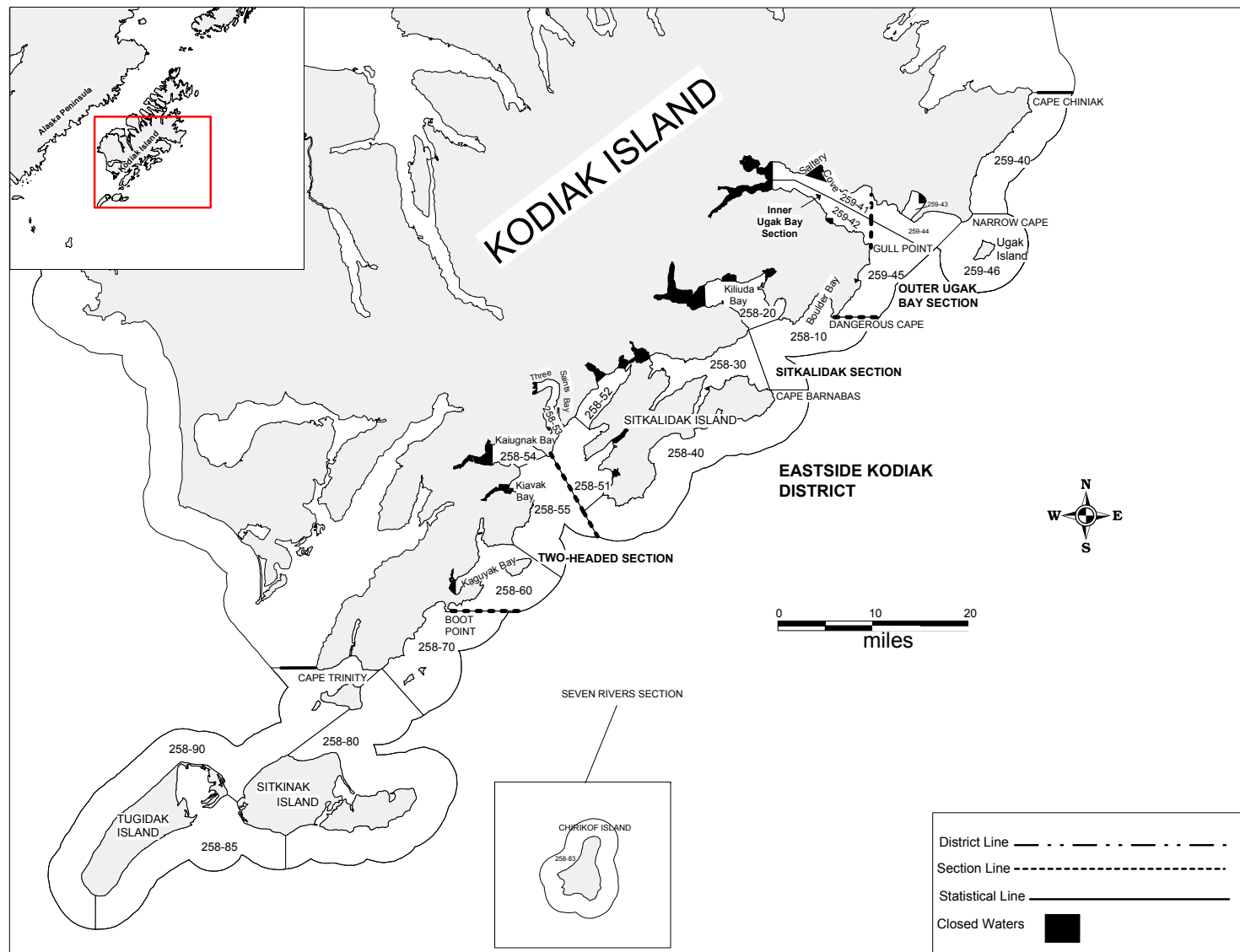
Appendix A4.—Map of the Southwest Kodiak District identifying commercial salmon fishing sections and statistical areas.



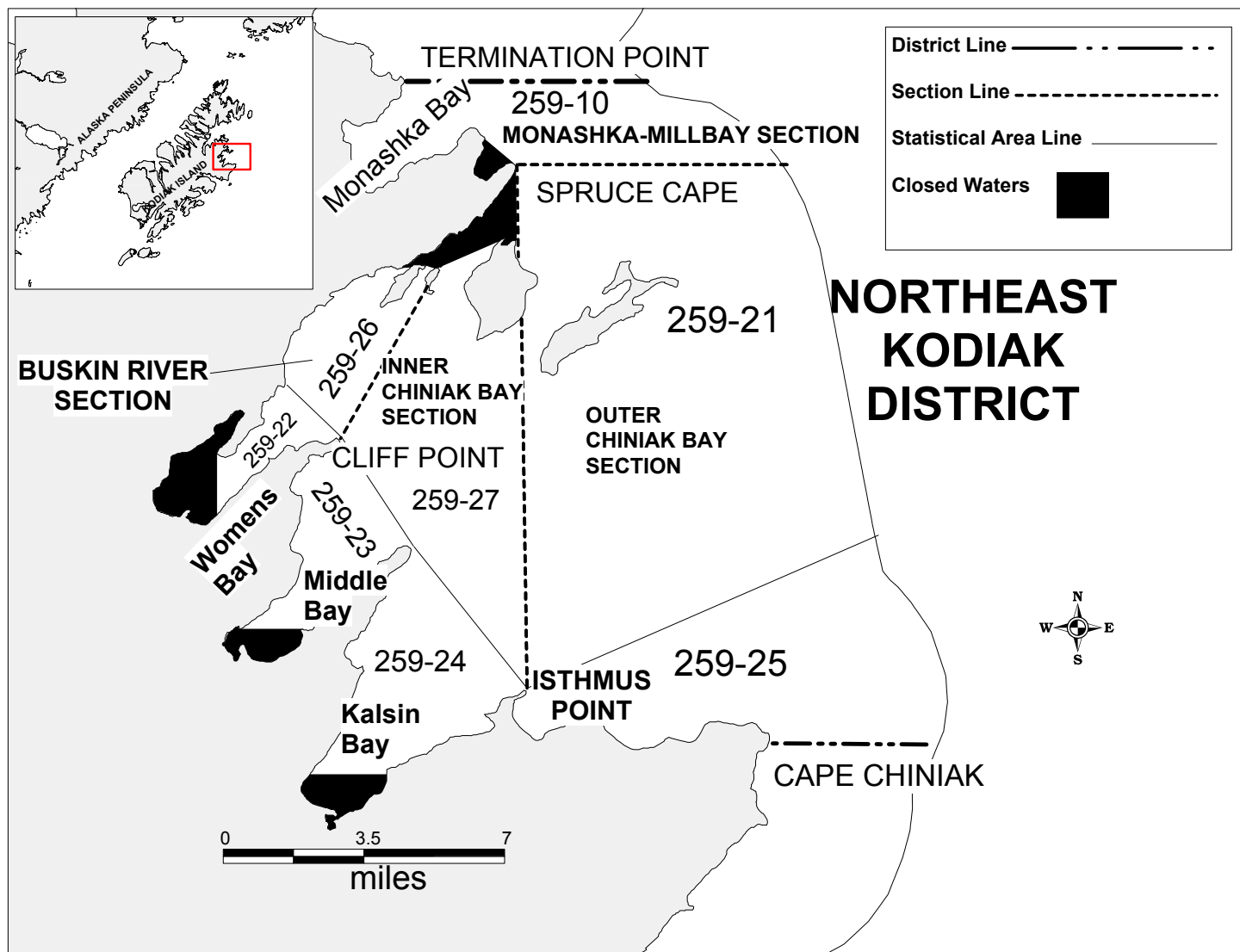
Appendix A5.—Map of the Mainland District identifying commercial salmon fishing sections and statistical areas.



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, 2008.

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

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Appendix B1.– Page 2 of 8.

<i>Ditricts/Sections</i>		6/1	6/2	6/3	6/4	6/5	6/6	6/7	6/8	6/9	6/10	6/11	6/12	6/13	6/14	6/15	6/16	6/17	6/18	6/19	6/20	6/21	6/22	6/23	6/24	6/25	6/26	6/27	6/28	6/29	6/30
Northeast Kodiak	Outer Chiniak																														
	Inner Chiniak																														
	Buskin River																														
	Monashka/Mill 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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Appendix B1.– Page 3 of 8.

<i>Districts/Sections</i>		7/1	7/2	7/3	7/4	7/5	7/6	7/7	7/8	7/9	7/10	7/11	7/12	7/13	7/14	7/15	7/16	7/17	7/18	7/19	7/20	7/21	7/22	7/23	7/24	7/25	7/26	7/27	7/28	7/29	7/30	7/31
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																																

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Appendix B1.– Page 4 of 8.

<i>Districts/Sections</i>		7/1	7/2	7/3	7/4	7/5	7/6	7/7	7/8	7/9	7/10	7/11	7/12	7/13	7/14	7/15	7/16	7/17	7/18	7/19	7/20	7/21	7/22	7/23	7/24	7/25	7/26	7/27	7/28	7/29	7/30	7/31
Northeast Kodiak	Outer Chiniak																															
	Inner Chiniak																															
	Buskin River																															
	Monashka/Mill Bays																															
Afognak		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
	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																															
Mainland	Malina THA																															
	Raspberry Strait																															
		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
	Big River																															
	Hallo Bay																															
	Outer Kukak Bay																															
	Inner Kukak Bay																															
	Dakavak Bay																															
	Katmai																															
	Alinchak																															
	Cape Igvak																															
	Wide Bay																															
fishing time in entire section																																
fishing time in partial section																																

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Appendix B1.– Page 5 of 8.

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

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Appendix B1.– Page 6 of 8.

<i>Districts/Sections</i>		8/1	8/2	8/3	8/4	8/5	8/6	8/7	8/8	8/9	8/10	8/11	8/12	8/13	8/14	8/15	8/16	8/17	8/18	8/19	8/20	8/21	8/22	8/23	8/24	8/25	8/26	8/27	8/28	8/29	8/30	8/31
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																															
	Perenos																															
	Waterfall Bay SHA																															
	Shuyak Island																															
	Northwest Afognak																															
	Foul Bay SHA																															
	Southwest Afognak																															
	Malina THA																															
	Raspberry Strait																															
Mainland	Big River																															
	Hallo Bay																															
	Outer Kukak Bay																															
	Inner Kukak Bay																															
	Dakavak Bay																															
	Katmai																															
	Alinchak																															
	Cape Igvak																															
	Wide Bay																															
fishing time in entire section																																
fishing time in partial section																																

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Appendix B1.– Page 7 of 8.

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

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Appendix B1.– Page 8 of 8.

<i>Districts/Sections</i>		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																																

Appendix B2.—Summary of emergency orders issued in the Kodiak Management Area, 2008.

E.O. #	Issued	Effective	Action In Effect
1	9:00 AM 6/3/08	NOON 6/5/08	<p><u>Opening</u> for 57 hours from NOON 6/5 to 9:00 PM 6/7</p> <ul style="list-style-type: none"> - Central and North Cape sections <p><u>Opening</u> from NOON 6/5 until further notice</p> <ul style="list-style-type: none"> - Foul Bay Special Harvest Area (FBSHA) - Waterfall Bay Special Harvest Area (WBSHA) - Duck Bay and Izhut Bay sections <p><u>Closed water adjustments</u></p> <ul style="list-style-type: none"> - Reduced until further notice in: Foul Bay and Waterfall Bay
2	10:00 AM 6/5/08	NOON 6/9/08	<p><u>Opening</u> for 33 hours from NOON 6/9 to 9:00 PM 6/10</p> <ul style="list-style-type: none"> - Alitak District <p><u>Open</u> until further notice</p> <ul style="list-style-type: none"> - FBSHA - WBSHA - Duck Bay, Izhut Bay, Inner Kitoi Bay, and Outer Kitoi Bay sections <p><u>Closed water adjustments</u></p> <ul style="list-style-type: none"> - Reduced until further notice in: Foul Bay, Waterfall Bay and Kitoi Bay
3	11:00 AM 6/7/08	NOON 6/8/08	<p><u>Extension</u> for 48 hours from NOON 6/8 until 9:00 PM 6/9</p> <ul style="list-style-type: none"> - Central and North Cape sections <p><u>Opening</u> for 33 hours from NOON 6/8 to 9:00 PM 6/9</p> <ul style="list-style-type: none"> - Anton Larsen Bay, Kizhuyak Bay, Sharatin Bay, Terror Bay, Inner Uganik Bay, Spiridon Bay Zachar Bay and Uyak Bay sections - Southwest Afognak Section (except the Malina Creek Terminal Harvest Area (MCTHA), which remains closed) <p><u>Open</u> until further notice</p> <ul style="list-style-type: none"> - FBSHA - WBSHA - Duck Bay, Izhut Bay, Inner Kitoi Bay and Outer Kitoi Bay sections <p><u>Closed water adjustments</u></p> <ul style="list-style-type: none"> - Reduced until further notice in: Foul Bay, Waterfall Bay, and Kitoi Bay

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Appendix B2.–Page 2 of 16.

E.O.#	Issued	Effective	Action in Effect
4	10:00 AM 6/9/08	9:00 PM 6/9/08	<p><u>Extension</u> for 24 hours from 9:00 PM 6/9 until 9:00 PM 6/10</p> <ul style="list-style-type: none"> - North Cape and Central sections <p><u>Open</u> until further notice</p> <ul style="list-style-type: none"> - FBSHA - WBSHA - Duck Bay, Izhut Bay, Inner Kitoi Bay, and Outer Kitoi Bay sections <p><u>Closed water adjustments</u></p> <ul style="list-style-type: none"> - Reduced until further notice in: Foul Bay, Waterfall Bay, and Kitoi Bay
5	11:00 AM 6/10/08	9:00 PM 6/10/08 NOON 6/14/07	<p><u>Extension</u> for 48 hours from 9:00 PM 6/10 until 9:00 PM 6/12</p> <ul style="list-style-type: none"> - Central and North Cape sections <p><u>Opening</u> in the Alitak District as follows</p> <ul style="list-style-type: none"> - 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 A.M. 6/13 to 9:00 A.M. 6/15 <p><u>Open</u> until further notice</p> <ul style="list-style-type: none"> - FBSHA - WBSHA - Duck Bay, Izhut Bay, Inner Kitoi Bay, and Outer Kitoi Bay sections <p><u>Closed water adjustments</u></p> <ul style="list-style-type: none"> - Reduced until further notice in: Foul Bay, Waterfall Bay, and Kitoi Bay
6	10:30 AM 6/12/07	NOON 6/14/08	<p><u>Opening</u> for 33 hours from NOON 6/14 to 9:00 PM 6/15:</p> <ul style="list-style-type: none"> - Northwest Afognak, Pauls Bay, and Perenos Bay sections - Big River and Outer Kukak sections - Eastside Kodiak District <p><u>Open</u> until further notice</p> <ul style="list-style-type: none"> - FBSHA - WBSHA - Duck Bay, Izhut Bay, Inner Kitoi Bay, and Outer Kitoi Bay sections <p><u>Closed water adjustments</u></p> <ul style="list-style-type: none"> - Reduced until further notice in: Foul Bay, Waterfall Bay, and Kitoi Bay

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E.O.#	Issued	Effective	Action in Effect
7	11:00 AM 6/13/08	9:00 AM 6/14/08	<p><u>Extension</u> of the current period in the Alitak District for 48 hours as follows:</p> <ul style="list-style-type: none"> - Olga Bay Section until 9:00 AM 6/16 - Moser Bay Section until 3:00 PM 6/16 - Alitak Bay Section until 9:00 PM 6/16 - Cape Alitak and Humpy-Deadman sections until 9:00 AM 6/17 <p><u>Open</u> until further notice</p> <ul style="list-style-type: none"> - FBSHA - WBSHA - Duck Bay, Izhut Bay, Inner Kitoi Bay, and Outer Kitoi Bay sections <p><u>Closed water adjustments</u></p> <ul style="list-style-type: none"> - Reduced until further notice in: Foul Bay, Waterfall Bay, and Kitoi Bay
8	9:30 AM 6/15/08	9:00 AM 6/16/08	<p><u>Extension</u> of the current fishing period in the Alitak District for 24 hours as follows:</p> <ul style="list-style-type: none"> - Olga Bay Section until 9:00 AM 6/17 - Moser Bay section until 3:00 PM 6/17 - Alitak Bay Section until 9:00 PM 6/17 - Cape Alitak and Humpy-Deadman sections until 9:00 AM 6/18 <p><u>Open</u> until further notice</p> <ul style="list-style-type: none"> - FBSHA - WBSHA - Duck Bay, Izhut Bay, Inner Kitoi Bay, and Outer Kitoi Bay sections <p><u>Closed water adjustments</u></p> <ul style="list-style-type: none"> - Reduced until further notice in: Foul Bay, Waterfall Bay, and Kitoi Bay
9	NOON 6/20/08	6:00 AM 6/21/08	<p><u>Opening</u> in the Alitak District as follows:</p> <ul style="list-style-type: none"> - Olga Bay Section from 6:00 AM 6/21 to 9:00 AM 6/23 - Moser Bay Section from NOON 6/21 to 3:00 PM 6/23 - Alitak Bay Section from 6:00 PM 6/21 to 9:00 PM 6/23 - Cape Alitak and Humpy-Deadman sections from 6:00 AM 6/22 to 9:00 AM 6/24
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E.O.#	Issued	Effective	Action in Effect
9 (cont.)		NOON 6/22/08	<u>Opening</u> for 33 hours from NOON 6/22 to 9:00 PM 6/23 <ul style="list-style-type: none"> - Southwest Afognak, Northwest Afognak, Pauls Bay and Perenosa Bay sections - Big River and Outer Kukak sections - Outer Karluk Section - Northwest Kodiak District - Eastside Kodiak District
		NOON 6/22/08	<u>Effective</u> until 9:00 PM 6/23: Nonretention of Chinook salmon <ul style="list-style-type: none"> - Outer Karluk Section
		NOON 6/23/08	<u>Opening</u> until further notice <ul style="list-style-type: none"> - Spiridon Bay Special Harvest Area (SBSHA)
			<u>Closed water adjustments</u> <ul style="list-style-type: none"> - Reduced until further notice in Foul Bay, Waterfall Bay and Kitoi Bay
			<u>Open</u> until further notice <ul style="list-style-type: none"> - FBSHA - WBSHA - Duck Bay, Izhut Bay, Inner Kitoi Bay, and Outer Kitoi Bay Sections
10	2:00 PM 6/20/08	NOON 6/21/08	<u>Moved</u> the time of the 33-hour opening to 24 hours earlier in the following from noon 6/21 to 9:00 PM 6/22 in the following: <ul style="list-style-type: none"> - Southwest Afognak, Northwest Afognak, Pauls Bay and Perenosa Bay sections - Big River and Outer Kukak sections - Eastside Kodiak District
			<u>Closed Water Adjustments</u> <ul style="list-style-type: none"> - Reduced until further notice in Foul Bay, and Waterfall Bay and Kitoi Bay
			<u>Open</u> until further notice <ul style="list-style-type: none"> - FBSHA - WBSHA - Duck Bay, Izhut Bay, Inner Kitoi Bay, and Outer Kitoi Bay sections - SBSHA
11	10:00 AM 6/22/08	9:00 AM 6/23/08	<u>Extension</u> of the current period in the Alitak District for 48 hours as follows: <ul style="list-style-type: none"> - Olga Bay Section until 9:00 AM 6/25 - Moser Bay Section until 3:00 PM 6/25 - Alitak Bay Section until 9:00 PM 6/25 - Cape Alitak and Humpy-Deadman sections until 9:00 AM 6/26

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E.O.#	Issued	Effective	Action in Effect
11 (cont.)			<u>Closed water adjustments</u> - Reduced until further notice in Foul Bay, Waterfall Bay and Kitoi Bay <u>Open until further notice</u> - FBSHA - WBSHA - Duck Bay, Izhut Bay, Inner Kitoi Bay, and Outer Kitoi Bay sections - SBSHA
12	11:00 AM 6/24/08	9:00 AM 6/25/08 9:00 PM 6/26/08	<u>Extension</u> of the current period in the Alitak District for 48 hours as follows: - Olga Bay Section until 9:00 AM 6/27 - Moser Bay Section until 3:00 PM 6/27 - Alitak Bay Section until 9:00 PM 6/27 - Cape Alitak and Humpy-Deadman sections until 9:00 AM 6/28 <u>Closing</u> at 9:00 PM 6/26 - Inner Kitoi Bay and Outer Kitoi Bay sections <u>Open until further notice</u> - FBSHA - WBSHA - Duck Bay and Izhut Bay sections - SBSHA <u>Closed water adjustments</u> - Reduced until further notice in Foul Bay and Waterfall Bay
13	10:00 AM 6/29/08	6:00 AM 6/30/08	<u>Opening</u> in the Alitak District as follows: - Olga Bay Section from 6:00 AM 6/30 to 9:00 AM 7/2 - Moser Bay Section from NOON 6/30 to 3:00 PM 7/2 - Alitak Bay Section from 6:00 PM 6/30 to 9:00 PM 7/2 - Cape Alitak and Humpy-Deadman sections from 6:00 AM 7/1 to 9:00 AM 7/3 <u>Open until further notice</u> - FBSHA - WBSHA - Duck Bay and Izhut Bay sections - SBSHA <u>Closed water adjustments</u> - Reduced until further notice in Foul Bay and Waterfall Bay
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E.O.#	Issued	Effective	Action in Effect
14	10:00 AM 6/30/08	9:00 PM 7/1/08	<p><u>Closing</u> at 9:00 PM 7/1/08</p> <ul style="list-style-type: none"> - Izhut Bay Section <p><u>Open</u> until further notice</p> <ul style="list-style-type: none"> - FBSHA - WBSHA - Duck Bay Section - SBSHA <p><u>Closed water adjustments</u></p> <ul style="list-style-type: none"> - Reduced until further notice in Foul Bay and Waterfall Bay
15	10:00 AM 7/1/08	9:00 AM 7/4/08	<p><u>Extension</u> of the current period in the Alitak District for 48 hours as follows:</p> <ul style="list-style-type: none"> - Olga Bay Section until 9:00 AM 7/4 - Moser Bay Section until 3:00 PM 7/4 - Alitak Bay Section until 9:00 PM 7/4 - Cape Alitak and Humpy-Deadman sections until 9:00 AM 7/5 <p><u>Open</u> until further notice</p> <ul style="list-style-type: none"> - FBSHA - WBSHA - Duck Bay Section - SBSHA <p><u>Closed water adjustments</u></p> <ul style="list-style-type: none"> - Reduced until further notice in Foul Bay and Waterfall Bay
16	NOON 7/3/08	NOON 7/4/08 NOON 7/6/08	<p><u>Opening</u> for 105 hours from NOON 7/4 until 9:00 PM 7/8</p> <ul style="list-style-type: none"> - Inner Ugak Bay and Outer Ugak Bay sections <p><u>Opening</u> for 57 hours from NOON 7/6 until 9:00 PM 7/8</p> <ul style="list-style-type: none"> - Northwest Kodiak District (except for the Kizhuyak Bay Section) - Southwest Afognak, Northwest Afognak, Raspberry Strait, Shuyak Island, Pauls Bay, Perenosa Bay, and Northeast Afognak sections - Eastside Kodiak District (except for the Inner Ugak Bay and Outer Ugak Bay sections which are already open) - Northeast Kodiak District (except the Buskin River Section) - Mainland District (except the Cape Igvak and Wide Bay sections)
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E.O.#	Issued	Effective	Action in Effect
16 (cont.)		9:00 AM 7/4/08	<u>Extension</u> of the current period in the Alitak District for 48 hours as follows: <ul style="list-style-type: none"> - Olga Bay Section until 9:00 AM 7/6 - Moser Bay Section until 3:00 PM 7/6 - Alitak Bay Section until 9:00 PM 7/6 - Cape Alitak and Humpy-Deadman sections until 9:00 AM 7/7
		NOON. 7/4/08	<u>Closed Water Adjustment</u> decreased until 9:00 PM 7/8: <ul style="list-style-type: none"> - Saltery Creek
		9:00 PM 7/4/08	<u>Closed</u> until further notice <ul style="list-style-type: none"> - Duck Bay Section
		9:00 PM 7/8/08	<u>Closed</u> until further notice <ul style="list-style-type: none"> - FBSHA - WBSHA
			<u>Open</u> until further notice <ul style="list-style-type: none"> - SBSHA
			<u>Closed water adjustments</u> <ul style="list-style-type: none"> - Reduced until further notice in Foul Bay and Waterfall Bay
17	10:30 AM 7/8/08	6:00 AM 7/9/08	<u>Opening</u> in the Alitak Bay Section as follows: <ul style="list-style-type: none"> - Olga Bay Section from 6:00 AM 7/9 to 9:00 AM 7/15 - Moser Bay Section fro NOON 7/9 to 3:00 PM 7/15 - Alitak Bay Section from 6:00 PM 7/9 to 9:00 PM 7/15 - Cape Alitak and Humpy-Deadman sections from 6:00 AM 7/10 to 9:00 AM 7/16
			<u>Open</u> until further notice <ul style="list-style-type: none"> - SBSHA
18	9:30 AM 7/11/08	NOON 7/12/08	<u>Opening</u> for 57 hours from NOON 7/12 until 9:00 PM 7/14 <ul style="list-style-type: none"> - Northwest Kodiak District (except for the Kizhuyak Bay Section) - Southwest Afognak, Northwest Afognak, Raspberry Strait, Shuyak Island, Pauls Bay, Perenosa Bay, and Northeast Afognak sections - Eastside Kodiak District - Northeast Kodiak District (except the Buskin River Section) - Mainland District (except the Cape Igvak and Wide Bay sections)
			<u>Open</u> until further notice <ul style="list-style-type: none"> - SBSHA
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E.O.#	Issued	Effective	Action in Effect
19	10:30 AM 7/13/08	9:00 PM 7/14/08	<p><u>Extension</u> for 144 hours from 9:00 PM 7/14 until 9:00 PM 7/20:</p> <ul style="list-style-type: none"> - Inner Ugak Bay Section <p><u>Open</u> until further notice</p> <ul style="list-style-type: none"> - SBSHA
20	11:00 AM 7/14/08	9:00 AM 7/15/08 3:00 PM 7/14/08	<p><u>Extension</u> of the current period in the Alitak District as follows:</p> <ul style="list-style-type: none"> - Olga Bay Section from 9:00 AM 7/15 until further notice - Moser Bay Section from 3:00 PM 7/15 until further notice - Alitak Bay Section from 9:00 PM 7/15 until further notice - Cape Alitak Section from 9:00 AM 7/16 until further notice <p><u>Closed Waters Adjustment</u> Reduced until 9:00 PM 7/20:</p> <ul style="list-style-type: none"> - Saltery Cove <p><u>Open</u> until further notice</p> <ul style="list-style-type: none"> - SBSHA
21	10:00 AM 7/15/08	NOON 7/16/08	<p><u>Opening</u> until further notice</p> <ul style="list-style-type: none"> - Duck Bay Section <p><u>Open</u> until further notice</p> <ul style="list-style-type: none"> - SBSHA - Olga Bay , Moser Bay, Alitak Bay, and Cape Alitak sections <p><u>Closed water adjustments</u></p> <ul style="list-style-type: none"> - Reduced until 9:00 PM 7/20 at Saltery Cove
22	9:45 AM 7/17/08	NOON 7/18/08	<p><u>Opening</u> for 57 hours from NOON 7/18 until 9:00 PM 7/20</p> <ul style="list-style-type: none"> - Mainland District (except the Cape Igvak and Wide Bay sections) - Eastside Kodiak District (except the Inner Ugak Bay Section which is already open) - Northwest Kodiak District (except the Kizhuyak Bay Section) - Northeast Kodiak District (except the Buskin River Section) - Humpy-Deadman Section - Southwest Afognak, Northwest Afognak, Raspberry Strait, Shuyak Island, Pauls Bay, Perenosa Bay, and Northeast Afognak sections <p><u>Open</u> until further notice</p> <ul style="list-style-type: none"> - SBSHA - Olga Bay , Moser Bay, Alitak Bay, and Cape Alitak sections - Duck Bay Section <p><u>Closed water adjustments</u></p> <ul style="list-style-type: none"> - Reduced until 9:00 PM 7/20 at Saltery Cove

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E.O.#	Issued	Effective	Action in Effect
23	9:30 AM 7/20/08	9:00 PM 7/20/08	<p><u>Extension</u> of the current fishing period from 9:00 PM 7/20 until further notice</p> <ul style="list-style-type: none"> - Inner Ugak Bay Section <p><u>Closed Waters Adjustment</u> Reduced until further notice</p> <ul style="list-style-type: none"> - Saltery Cove <p><u>Open</u> until further notice</p> <ul style="list-style-type: none"> - SBSHA - Olga Bay , Moser Bay, Alitak Bay, and Cape Alitak sections - Duck Bay Section
24	11:00 AM 7/21/08	NOON 7/22/08	<p><u>Opening</u> until further notice</p> <ul style="list-style-type: none"> - Izhut Bay Section <p><u>Closed Waters Adjustment</u> Reduced until further notice</p> <ul style="list-style-type: none"> - Saltery Cove <p><u>Open</u> until further notice</p> <ul style="list-style-type: none"> - SBSHA - Olga Bay , Moser Bay, Alitak Bay, and Cape Alitak sections - Duck Bay Section - Inner Ugak Bay Section
25	9:30 AM 7/23/08	NOON 7/24/08 9:00 PM 7/26/08	<p><u>Opening</u> for 57 hours from NOON 7/24 until 9:00 PM 7/26</p> <ul style="list-style-type: none"> - Mainland District (except the Cape Igvak and Wide Bay sections) - Eastside Kodiak District (except the Inner Ugak Bay Section which is already open) - Northwest Kodiak District - Northeast Kodiak District (except the Buskin River Section) - 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 are already open) <p><u>Closes</u> the current fishing period at 9:00 PM 7/26</p> <ul style="list-style-type: none"> - Olga Bay, Moser Bay, Alitak Bay and Cape Alitak sections <p><u>Open</u> until further notice</p> <ul style="list-style-type: none"> - SBSHA - Duck Bay and Izhut Bay sections - Inner Ugak Bay Section <p><u>Closed water adjustments</u></p> <ul style="list-style-type: none"> - Reduced until further notice in Saltery Cove
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E.O.#	Issued	Effective	Action in Effect
26	2:00 PM 7/25/08	9:00 PM 7/26/08	<p><u>Extension</u> for 24 hours from 9:00 PM 7/26 until 9:00 PM 7/27</p> <ul style="list-style-type: none"> - Mainland District (except the Cape Igvak and Wide Bay sections, which remain closed) - Eastside Kodiak District (except the Inner Ugak Bay Section which is already open) - Northwest Kodiak District - Northeast Kodiak District (except the Buskin River Section) - 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 are already open) <p><u>Open</u> until further notice</p> <ul style="list-style-type: none"> - SBSHA - Duck Bay and Izhut Bay sections - Inner Ugak Bay Section <p><u>Closed water adjustments</u></p> <ul style="list-style-type: none"> - Reduced until further notice in Saltery Cove
27	10:00 AM 7/27/08	9:00 PM 7/27/08 NOON 7/28/08 6:00 AM 7/28/08	<p><u>Extension</u> for 48 hours from 9:00 PM 7/27 until 9:00 PM 7/29</p> <ul style="list-style-type: none"> - Mainland District (except the Cape Igvak and Wide Bay sections which will open at noon 7/28) - Afognak District (except the Inner Kitoi Bay and Outer Kitoi Bay sections which remain closed and the Duck Bay and Izhut Bay sections which are already open) - Outer Ugak and Sitkalidak sections - Northwest Kodiak District - Northeast Kodiak District (except the Buskin River Section) - Humpy-Deadman Section <p><u>Opening</u> for 33 hours from NOON 7/28 until 9:00 PM 7/29</p> <ul style="list-style-type: none"> - Wide Bay and Cape Igvak sections <p><u>Opening</u> in the Alitak District as follows:</p> <ul style="list-style-type: none"> - Olga Bay Section from 6:00 AM 7/28 to 9:00 AM 7/31 - Moser Bay Section from NOON 7/28 to 3:00 PM 7/31 - Alitak Bay Section from 6:00 PM 7/28 to 9:00 PM 7/31 - Cape Alitak Section from 6:00 AM 7/29 to 9:00 AM 8/1 <p><u>Open</u> until further notice</p> <ul style="list-style-type: none"> - SBSHA - Duck Bay and Izhut Bay sections - Inner Ugak Bay Section <p><u>Closed water adjustments</u></p> <ul style="list-style-type: none"> - Reduced until further notice in Saltery Cove

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E.O.#	Issued	Effective	Action in Effect
28	NOON 7/28/08	9:00 PM 7/29/08	<p><u>Extension</u> for 24 hours from 9:00 PM 7/29 until 9:00 PM 7/30</p> <ul style="list-style-type: none"> - Mainland District (except the Cape Igvak and Wide Bay sections which will open at NOON 7/28) - Outer Ugak and Sitkalidak sections - Northwest Kodiak District - Northeast Kodiak District (except the Buskin River Section) - Humpy-Deadman Section - Afognak District (except the Inner Kitoi Bay, Outer Kitoi Bay, Duck Bay and Izhut Bay sections) <p><u>Closing</u> at 9:00 PM 7/29</p> <ul style="list-style-type: none"> - Duck Bay and Izhut Bay sections <p><u>Open</u> until further notice</p> <ul style="list-style-type: none"> - SBSHA - Inner Ugak Bay Section <p><u>Closed water adjustments</u></p> <ul style="list-style-type: none"> - Reduced until further notice in Saltery Cove
29	NOON 7/30/08	9:00 AM 7/31/08	<p><u>Extension</u> of the current period in the Alitak District for 72 hours as follows:</p> <ul style="list-style-type: none"> - Olga Bay Section from 9:00 AM 7/31 until 9:00 AM 8/3 - Moser Bay Section from 3:00 PM 7/31 until 3:00 PM 8/3 - Alitak Bay Section from 9:00 PM 7/31 until 9:00 PM 8/3 - Cape Alitak Section from 9:00 AM 8/1 until 9:00 AM 8/4 <p><u>Open</u> until further notice</p> <ul style="list-style-type: none"> - SBSHA - Inner Ugak Bay Section <p><u>Closed water adjustments</u></p> <ul style="list-style-type: none"> - Reduced until further notice in Saltery Cove
30	9:00 AM 8/1/08	NOON 8/2/08	<p><u>Opening</u> for 57 hours from NOON 8/2 until 9:00 PM 8/4</p> <ul style="list-style-type: none"> - Mainland District - Northwest Kodiak District - Eastside Kodiak District (except the Inner Ugak Section which is already open) - Afognak District (except the Inner Kitoi Bay, Outer Kitoi Bay, Duck Bay and Izhut Bay sections which remain closed) - Northeast Kodiak District - Outer Karluk, Halibut Bay and Sturgeon sections <p><u>Closing</u> at 9:00 PM 8/4</p> <ul style="list-style-type: none"> - Inner Ugak Bay Section <p><u>Open</u> until further notice</p> <ul style="list-style-type: none"> - SBSHA

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E.O.#	Issued	Effective	Action in Effect
30 (cont.)			<u>Closed water adjustments</u> - Reduced until further notice in Saltery Cove
31	11:00 AM 8/4/08	9:00 PM 8/4/08	<u>Extension</u> for 48 hours from 9:00 PM 8/4 until 9:00 PM August 6 - Mainland District - Northwest Kodiak District (except the Kizhuyak and Inner Uganik Bay Sections which close 9:00 PM 8/4) - Eastside Kodiak District (except the Two Headed and Seven Rivers sections which close at 9:00 PM 8/4) - Afognak District (except the Inner Kitoi Bay, Outer Kitoi Bay, Duck Bay and Izhut Bay sections which remain closed and the Southeast Afognak Section which closes 9:00 PM 8/4) - Outer Karluk, Halibut Bay and Sturgeon sections <u>Closed Waters Adjustment</u> Increased until further notice - Saltery Cove <u>Open</u> until further notice - SBSHA
32	9:30 AM 8/6/08	9:00 PM 8/6/08 6:00 AM 8/7/08	<u>Extension</u> for 48 hours from 9:00 PM 8/6 until 9:00 PM 8/8: - Mainland District (except the Wide Bay Section which closes 9:00 PM 8/6) - Outer Karluk, Halibut Bay and Sturgeon sections <u>Opening</u> in the Alitak District as follows - Olga Bay Section from 6:00 AM 8/7 until 9:00 AM 8/10 - Moser Bay Section from NOON 8/7 until 3:00 PM 8/10 - Alitak Bay Section from 6:00 P.M 8/7 until 9:00 PM 8/10 - Cape Alitak Section from 6:00 AM 8/8 until 9:00 AM 8/11 <u>Open</u> until further notice - SBSHA
33	9:00 AM 8/9/08	9:00 AM 8/10/08	<u>Extension</u> for 48 hours in the Alitak District as follows: - Olga Bay Section from 9:00 AM 8/10 until 9:00 AM 8/12 - Moser Bay Section from 3:00 PM 8/10 until 3:00 PM 8/12 - Alitak Bay Section from 9:00 PM 8/10 until 9:00 P.M 8/12 - Cape Alitak Section from 9:00 AM 8/11 until 9:00 AM 8/13 <u>Open</u> until further notice - SBSHA
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E.O.#	Issued	Effective	Action in Effect
34	9:00 AM 8/10/08	NOON 8/11/08	<u>Opening</u> for 57 hours from NOON 8/11 until 9:00 PM 8/13 <ul style="list-style-type: none"> - Eastside Kodiak District - Northeast Kodiak District - Afognak District (except the Malina Creek Special Harvest Area and the Inner Kitoi Bay, Outer Kitoi Bay, Duck Bay and Izhut Bay sections which remain closed) - Humpy-Deadman Section <u>Opening</u> for 105 hours from NOON 8/11 until 9:00 PM 8/15 <ul style="list-style-type: none"> - Northwest Kodiak District - Outer Karluk, Halibut Bay, and Sturgeon sections 9:00 PM 8/13/08 <u>Closes 9:00 PM 8/13</u> <ul style="list-style-type: none"> - SBSHA
35	9:30 AM 8/16/08	6:00 AM 8/17/08	<u>Opening</u> in the Alitak District as follows: <ul style="list-style-type: none"> - Olga Bay Section from 6:00 AM 8/17 to 9:00 AM 8/19 - Moser Bay Section from NOON 8/17 until 3:00 PM 8/19 - Alitak Bay Section from 6:00 PM 8/17 until 9:00 PM 8/19 - Cape Alitak Section from 6:00 AM 8/18 until 9:00 AM 8/20 NOON 8/18/08 <u>Opening</u> for 54 hours until 6:00 PM 8/20 <ul style="list-style-type: none"> - Eastside Kodiak District (except the Seven Rivers and Two Headed sections which remain closed) - Northeast Kodiak District - Afognak District (except the Inner Kitoi Bay, Outer Kitoi Bay, Duck Bay and Izhut Bay sections which remain closed) - Humpy-Deadman Section - Mainland District - Outer Karluk and Sturgeon sections <u>Opening</u> for 78 hours from NOON 8/18 until 6:00 PM 8/21 <ul style="list-style-type: none"> - Northwest Kodiak District - Halibut Bay Section
36	10:00 AM 8/18/08	7:00 AM 8/20/08	<u>Opening</u> for 12 hours from 7:00 AM until 7:00 PM 8/20 <ul style="list-style-type: none"> - Inner Ayakulik and Outer Ayakulik sections <u>Closed Waters Adjustment</u> Reduced until 7:00 PM 8/20 <ul style="list-style-type: none"> - Ayakulik River
37	11:00 AM 8/19/08	6:00 PM 8/20/08	<u>Extension</u> for 48 hours from 6:00 PM 8/20 until 9:00 PM 8/22: <ul style="list-style-type: none"> - Mainland District

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E.O.#	Issued	Effective	Action in Effect
38	11:00 AM 8/20/08	6:00 AM 8/21/08	<u>Opening</u> in the Alitak District as follows: <ul style="list-style-type: none"> - Olga Bay Section from 6:00 AM 8/21 to 9:00 AM 8/26 - Moser Bay Section from NOON 8/21 until 3:00 PM 8/26 - Alitak Bay Section from 6:00 PM 8/21 until 9:00 PM 8/26 - Cape Alitak Section from 6:00 AM 8/22 until 9:00 AM 8/27
		6:00 PM 8/20/08	<u>Extension</u> until further notice: <ul style="list-style-type: none"> - Shuyak Island, Pauls Bay and Perenos Bay sections
		6:00 PM 8/21/08	<u>Extension</u> for 24 hours from 6:00 PM 8/21 until 6:00 PM 8/22 <ul style="list-style-type: none"> - Northwest Kodiak District - Halibut Bay Section
39	11:00 AM 8/22/08	NOON 8/24/08	<u>Opening</u> until further notice: <ul style="list-style-type: none"> - Duck Bay and Izhut Bay sections
			<u>Open</u> until further notice: <ul style="list-style-type: none"> - Shuyak Island, Pauls Bay, and Perenos Bay sections
40	NOON 8/25/08	NOON 8/24/08	<u>Opening</u> for 54 hours from NOON 8/24 until 6:00 PM 8/27: <ul style="list-style-type: none"> - Southeast Afognak, Northeast Afognak and Northwest Afognak sections - Northeast Kodiak District - Eastside Kodiak District (except the Two Headed and Seven Rivers sections which remain closed) - Humpy-Deadman Section
			<u>Open</u> until further notice: <ul style="list-style-type: none"> - Shuyak Island, Pauls Bay and Perenos Bay sections - Duck Bay and Izhut Bay sections
41	10:30 AM 8/25/08	9:00 AM 8/26/08	<u>Extension</u> for 24 hours in the Alitak District as follows: <ul style="list-style-type: none"> - Olga Bay Section until 9:00 AM 8/27 - Moser Bay Section until 3:00 PM 8/27 - Alitak Bay Section until 9:00 PM 8/27 - Cape Alitak Section until 9:00 AM 8/28
			<u>Open</u> until further notice: <ul style="list-style-type: none"> - Shuyak Island, Pauls Bay and Perenos Bay sections - Duck Bay and Izhut Bay sections
42	10:00 AM 8/26/08	NOON 8/29/08	<u>Opening</u> for 54 hours from NOON 8/29 until 6:00 PM 8/31: <ul style="list-style-type: none"> - Northwest Kodiak District
-			<u>Open</u> until further notice: <ul style="list-style-type: none"> - Shuyak Island, Pauls Bay, and Perenos Bay sections - Duck Bay and Izhut Bay sections
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E.O.#	Issued	Effective	Action in Effect
43	9:30 AM 8/28/08	NOON 8/29/08	<p><u>Opening</u> for 54 hours from NOON 8/29 until 6:00 PM 8/31:</p> <ul style="list-style-type: none"> - Southwest Afognak Section <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> - Shuyak Island, Pauls Bay and Perenos Bay sections - Duck Bay and Izhut Bay sections
44	11:00 AM	6:00 PM	<p><u>Closes</u> at 6:00 PM 8/30:</p> <ul style="list-style-type: none"> - Shuyak Island, Pauls Bay and Perenos Bay sections <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> - Duck Bay and Izhut Bay sections
45	9:15 AM 9/1/08	6:00 AM 9/2/08	<p><u>Opening</u> in the Alitak District as follows:</p> <ul style="list-style-type: none"> - Olga Bay Section from 6:00 AM 9/2 to 9:00 AM 9/5 - Moser Bay Section from noon 9/2 to 3:00 PM 9/5 - Alitak Bay Section from 6:00 PM 9/2 to 9:00 PM 9/5 - Cape Alitak Section from 6:00 AM 9/3 to 9:00 AM 9/6 <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> - Duck Bay and Izhut Bay sections
46	10:30 AM 9/4/08	9:00 AM 9/5/08 NOON 9/5/08	<p><u>Extension</u> for 72 hours in the Alitak District as follows:</p> <ul style="list-style-type: none"> - Olga Bay Section until 9:00 AM 9/8 - Moser Bay Section until 3:00 PM. 9/8 - Alitak Bay Section until 9:00 PM 9/8 - Cape Alitak Section from until 9:00 AM 9/9 <p><u>Opening</u> until further notice</p> <ul style="list-style-type: none"> - That portion of the Outer Kitoi Bay Section east of a line from a point at 58° 10.70' N. lat., 152° 19.70' W. long. to a point at 58° 11.20' N. lat., 152° 19.23' W. long. <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> - Duck Bay and Izhut Bay sections
47	10:30 AM 9/4/08	9:00 AM 9/5/08	<p><u>Opening</u> in the Alitak District as follows:</p> <ul style="list-style-type: none"> - Olga Bay Section from 9:00 AM 9/11 until further notice - Moser Bay Section from 3:00 PM 9/11 until further notice - Alitak Bay Section from 9:00 PM 9/11 until further notice - Cape Alitak Section from 9:00 AM 9/12 until further notice

-continued-

E.O.#	Issued	Effective	Action in Effect
47 (cont.)	9/4/08	9:00 AM 9/5/08	<u>Open</u> until further notice: Duck Bay and Izhut Bay sections <ul style="list-style-type: none"> - That portion of the Outer Kitoi Bay Section east of a line from a point at 58° 10.70' N. lat., 152° 19.70' W. long. to a point at 58° 11.20' N. lat., 152° 19.23' W. long.
48	11:30 AM 9/12/08	NOON 9/15/08	<u>Opening</u> for 54 hours from NOON 9/15 until 6:00 PM 9/17: <ul style="list-style-type: none"> - Eastside Kodiak District - Inner Ayakulik and Outer Ayakulik sections - Humpy-Deadman Section - Inner Kukak, Outer Kukak, Hallo Bay, and Big River sections <u>Closed Water Adjustment</u> Increased until 6:00 PM 9/17: <ul style="list-style-type: none"> - Ayakulik River <u>Open</u> until further notice: <ul style="list-style-type: none"> - Duck Bay and Izhut Bay sections - That portion of the Outer Kitoi Bay Section east of a line from a point at 58° 10.70' N. lat., 152° 19.70' W. long. to a point at 58° 11.20' N. lat., 152° 19.23' W. long. - Olga Bay, Moser Bay, Alitak Bay, and Cape Alitak sections

APPENDIX C. CAPE IGVAK FISHERY SUMMARY

Introduction

Beginning in 1964, a purse seine fishery developed along the capes in the Cape Igvak Section of the Mainland District (Appendix C2). Tagging studies and stock identification studies using average weight and age composition conducted in 1968 and 1969 concluded that up to 80 percent of the sockeye salmon harvested in the Cape Igvak Section were of Chignik origin (from the unpublished Kodiak Area Annual Report, 1969, ADF&G, Kodiak). The issue of interception of Chignik-bound sockeye salmon in the Cape Igvak Section came before the 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 harvest¹. The CISMP also stipulated strict allocative and biological requirements. Through July 25 in Chignik, a minimum harvest of 600,000 sockeye must be expected (300,000 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 et al. 2008).

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 and has averaged 10.3%, of the total CMA sockeye salmon harvest (Appendix C3 and C4). The Cape Igvak harvest has met or exceeded the 15% allocation level only 7 times (1983, 1987, 1993, 1999, 2001, 2004 and 2005).

2008 Cape Igvak Fishery

Early Run

The 2008 preseason forecast for the Chignik system predicted a return of approximately 1.07 million 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 720,000 early-run sockeye salmon (Nelson et al. 2008).

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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 not as strong as forecasted and although the early run had sufficient strength to achieve adequate escapement, there was little harvestable surplus and the Cape Igvak Section was not opened to fishing during the early run.

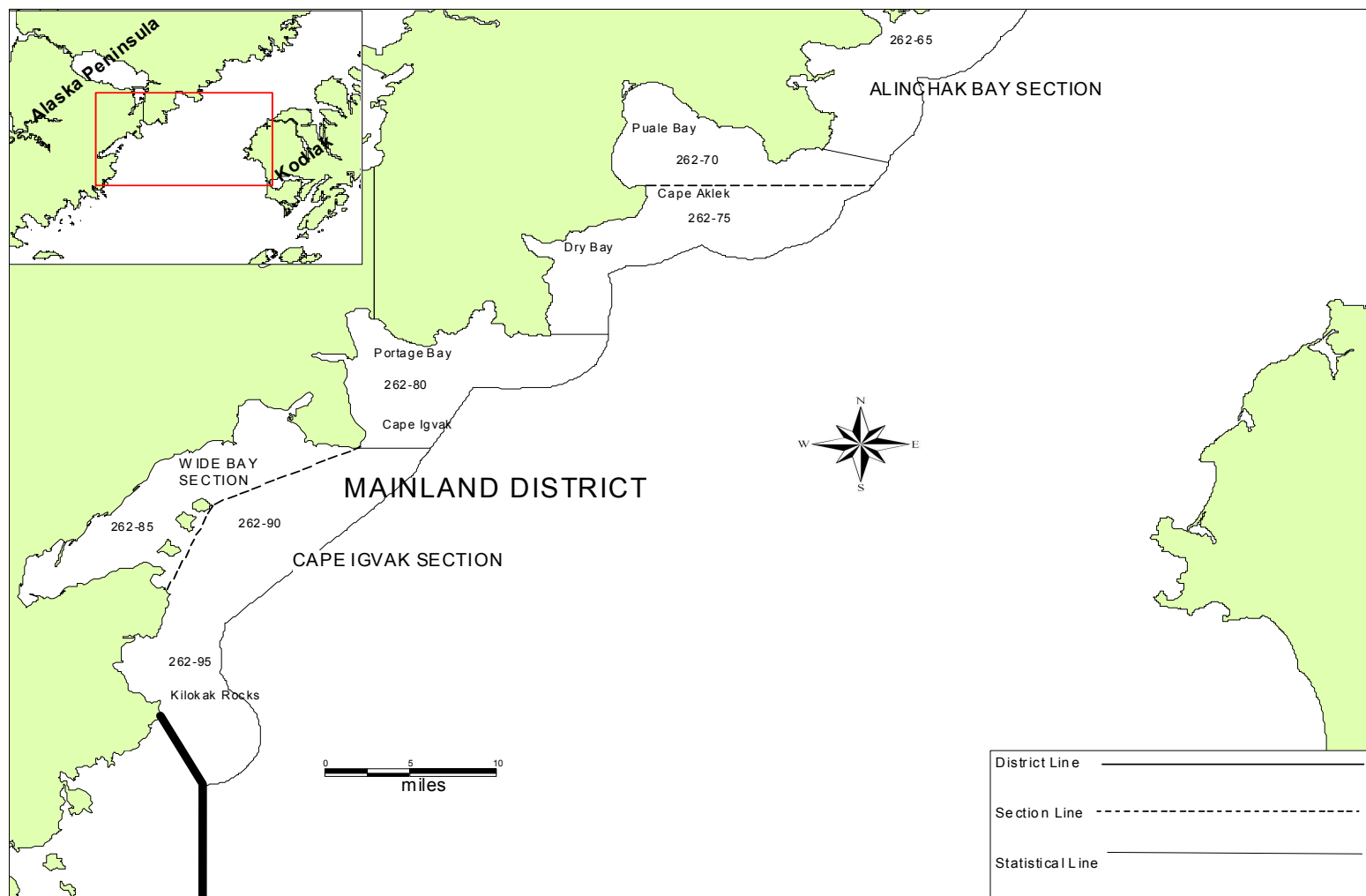
Late Run

The preseason forecast for late-run (Chignik Lake) sockeye salmon was approximately 651,000 fish in 2008. 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 401,000 sockeye salmon.

The actual late run was weaker than forecast and did not meet the biological and allocative criteria necessary to allow a Cape Igvak fishery during the late run.

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- Nelson P., M. D. Plotnick and A. M. Carroll. 2008. Run forecasts and harvest projections for the 2008 Alaska salmon fisheries and review of the 2007 season. Alaska Department of Fish and Game, Special Publication No. 08-09, Anchorage.
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Appendix C2.—Map of the Cape Igvak Section of the Kodiak Management Area, 2008.

Appendix C3.—Harvest of sockeye salmon considered to be Chignik bound in the Chignik, Cape Igvak, and Southeastern District Mainland commercial salmon fisheries, from 1978-2008.

Year	Chignik		Cape Igvak ^a		Southeastern District Mainland ^a		Total
	Catch ^b	Percent	Catch ^b	Percent	Catch ^b	Percent	
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

^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 only 80% of the sockeye caught in those areas are destined for Chignik (excluding sockeye salmon caught in the Northwest Stepovak Section from 1964 to 1991 and during July in 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 modified from the ADF&G computerized historical fish ticket database in 2008.

^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 fishers.

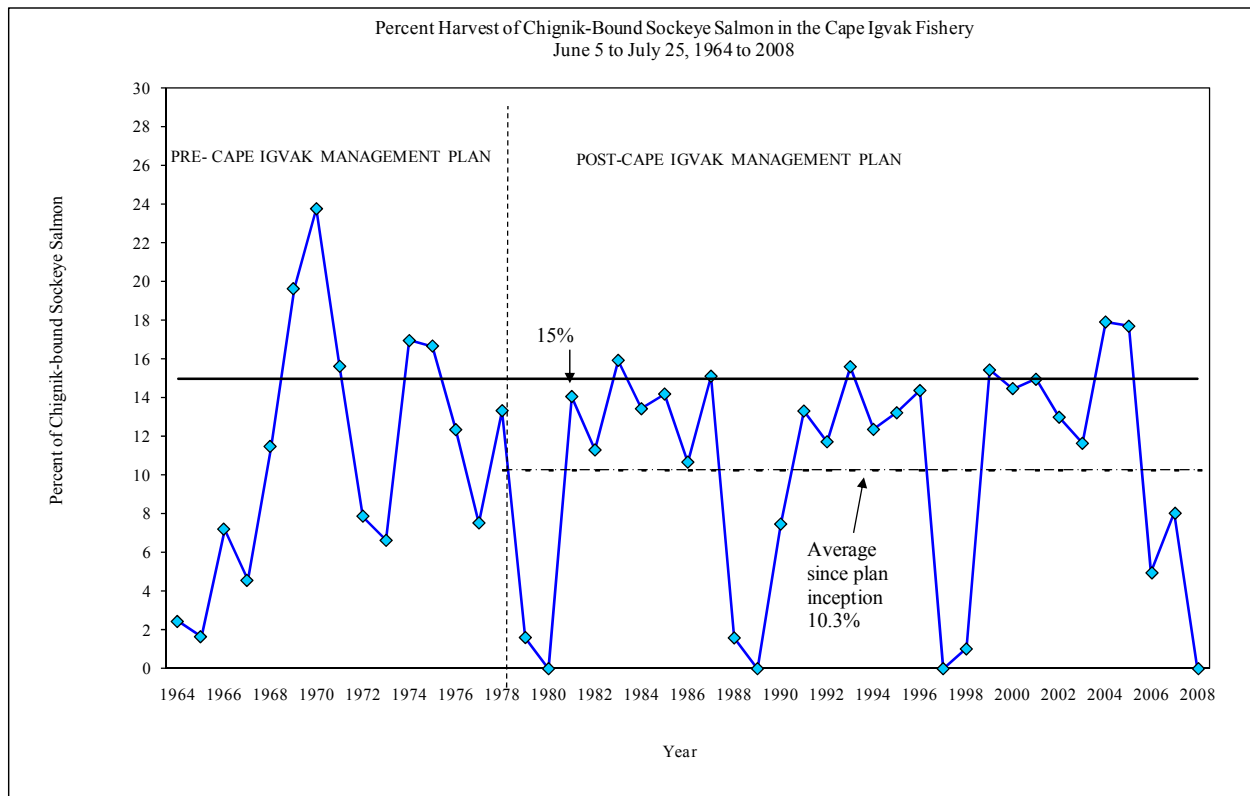
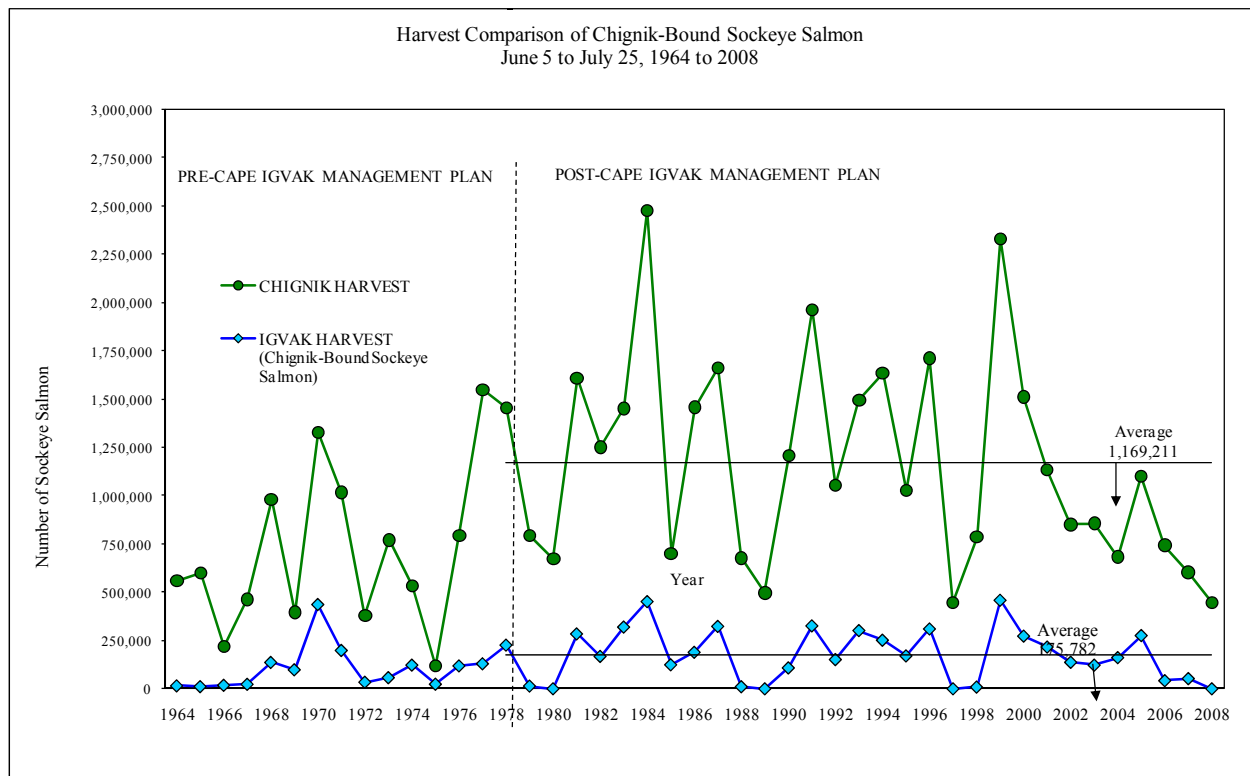
^d In 1978, seining prior to July 11 was disallowed in the Southeastern District Mainland. Set gillnet fisheries were allowed for 3 days per week through July 10, after which the fishery was based on local stock abundance.

^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 BOF review of historical records, the allocation of Chignik bound sockeye to the Southeastern District Mainland fishery (excluding Orzinski 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 was 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 percent to 6.0 percent.
 - ^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 SEDM during the fishermen's strike (June 14 to July 2).
 - ⁿ In 2002, the BOF 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.
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Appendix C4.–Impact of the Cape Igvak Salmon Management Plan.



APPENDIX D. ALITAK DISTRICT FISHERY SUMMARY

Introduction

The Alitak District (AD) fishery is unique in the Kodiak Management Area (KMA), because set gillnet and seine gear can both fish in this district, but are segregated by sections. Set gillnets are allowed only in the inside waters of the Alitak Bay, Moser Bay, and Olga Bay sections, while seine gear is limited to the outer waters of the Cape Alitak and Humpy-Deadman sections until September 5 (5 AAC 18.330 (d)(2); Appendix D2). Prior to the mid-1980s, various strategies were applied in the AD to conserve and build 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 et al. 2008).

This management plan has been in effect since 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 et al. 2008). 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.

2008 Alitak Fishery

The 2008 forecast for the Frazer Lake system was 420,000 sockeye salmon (Nelson et al. 2008; range 235,000 to 604,000), with an estimated harvestable surplus of approximately 295,000 sockeye salmon. The forecast for Upper Station early run was 92,000 sockeye salmon (range 31,000 to 152,000), with an estimated harvestable surplus of approximately 62,000 sockeye salmon (Nelson et al. 2008).

A 33-hour commercial salmon test fishing period was tentatively scheduled for June 9 in the AD if by June 5, the run was as strong as forecast (Wadle et al. 2008). 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. However, in 2008, the sockeye salmon run to the Upper Station system began later than normal and cumulative escapement was below the desired range through June 4. Also at that time, no sockeye salmon had passed Dog Salmon weir which was later than normal. Daily weir counts through Upper Station

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weir subsequently increased resulting in cumulative escapement consistently within desired ranges after June 5. Although few sockeye salmon had passed the Dog Salmon weir, several thousand were staging on Dog Salmon Flats (Appendix D2). A 33-hour test fishery occurred on June 9 and the subsequent harvest confirmed an increasing abundance of sockeye salmon in the AD.

The fishery was reopened on June 12 and the resulting harvest indicated a high abundance of sockeye salmon in the district. Despite the harvest, cumulative escapement past Upper Station weir was still within desired escapement goal ranges. The build-up of sockeye salmon on Dog Salmon Flats started moving through Dog Salmon weir and by July 20 cumulative escapement had caught up with interim escapement goals and fell within the desired range. The fishing period was extended to the maximum length allowed by the management plan (171 hours) followed by the required 69-hour closure.

Both the Frazer and early-run Upper Station sockeye salmon runs proved to be strong and two more fishing periods of maximum length were allowed. During the closed period on July 6, it became apparent that the achievement of escapement goals for both runs was assured and fishing was reopened until further notice.

Cumulative escapement into the Upper Station System through July 15 was 38,800 sockeye salmon (Caldentey 2009), which was within the early Upper Station sustainable escapement goal (SEG) range (30,000 – 65,000; Honnold et al. 2007).

The cumulative sockeye salmon escapement of Frazer Lake sockeye salmon through the Dog Salmon weir by July 15 was 128,593 fish (Caldentey 2009), which was within desired range as well as the annual escapement goal range (90,000 – 170,000 fish; Honnold et al. 2007).

The ADMP (5AAC 18.361) dictates that during even-numbered years (as in 2008), from July 16 through August 9, commercial salmon fishing must be managed in the Cape Alitak, Moser, and Olga Bay sections based on the pink salmon run to the Frazer system or the sockeye salmon run to the Upper Station system. After July 15, the Humpy-Deadman Section shall be managed based on the strength of salmon runs to local systems through season's end.

The late-run Upper Station sockeye salmon run was forecast to produce 241,000 fish (forecast range 81,000 to 402,000 fish; Nelson et al. 2008) of which approximately 55,000 of these fish were in excess of escapement needs. The Frazer pink salmon run, like most of the KMA was expected to be mediocre at best. The pink salmon escapement at Dog Salmon weir was a little later than normal but by late July, a large build-up of pink salmon was present on Dog Salmon Flats. Late-run sockeye salmon cumulative escapement past Upper Station weir was relatively slow during the ongoing fishing period that continued into the second half of July. Management consideration of Upper Station late-run sockeye salmon resulted in a closure of the continuous fishing period on July 26. Almost immediately escapement rates of sockeye salmon past Upper Station weir increased and cumulative escapement was again within the desired range for the date. Although pink salmon were not passing the Dog Salmon weir in large numbers, the build-up of pink salmon on Dog Salmon Flats was visibly growing. A fishing period was allowed starting July 28 which was extended until August 3. After a 4-day closure another fishing period was allowed beginning August 7. By this date the build-up of pink salmon on Dog Salmon Flats had grown quite large and escapement rates

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of sockeye salmon past Upper Station weir were accelerating and within desired inseason escapement objectives.

By August 12, conservation concern for the pink salmon run at Frazer was growing as the build-up present on the flats had yet to result in escapement past the weir. A 5-day closure occurred during which the escapement rate of pink salmon accelerated and the minimum season escapement objective for pink salmon was assured. During this time sockeye salmon escapement at Upper Station was tracking within inseason escapement objectives and a 33-hour fishing period was allowed starting August 17. After a short closure, an additional 2 periods of maximum length were allowed in late August and early September followed by another fishing period during which effort declined and fishing was extended indefinitely.

The late-run Upper Station annual escapement was 184,856 sockeye salmon (Caldentey 2009), within the established SEG (120,000 to 265,000 fish; Honnold et al. 2007).

Season Totals

Set gillnet harvest in the Olga Bay Section (statistical area 257-40), by twenty-two permit holders included 3 Chinook, 87,151 sockeye, 522 coho, 30,202 pink, and 940 chum salmon (Appendix D3). Set gillnet harvest in the Moser Bay Section (statistical area 257-43) by twenty-seven permit holders included 1 Chinook, 212,367 sockeye, 1,383 coho, 60,646 pink, and 1,327 chum salmon (Appendix D3). Set gillnet harvest in the Alitak Bay Section (statistical area 257-41) by thirty-one permit-holders, included 4 Chinook, 165,796 sockeye, 689 coho, 64,807 pink, and 3,565 chum salmon (Appendix D3).

The purse seine harvest in the Cape Alitak Section (statistical areas 257-10 and 20) by forty-one permit holders included 243 Chinook, 260,528 sockeye, 11,386 coho, 409,643 pink, and 41,459 chum salmon (Appendix D4). The purse seine harvest by sixteen permit holders in the Humpy-Deadman Section (statistical areas 257-50, 60 and 70) included 14 Chinook, 17,127 sockeye, 1,034 coho, 146,938 pink and 29,964 chum salmon (Appendix D4). Purse seine harvest in the Olga Bay Section by five permit-holders included 0 Chinook, 83 sockeye, 376 coho, 6 pink and 1,439 chum salmon (Appendix D4).

Forty-one purse seine permit holders fished in the AD fisheries, and harvested 257 Chinook (97% of the total AD Chinook harvest), 277,738 sockeye (37%), 12,796 coho (83%), 556,587 pink (88%), and 72,862 chum salmon (93%; Appendices D4, D5 and D6). Sixty-one gillnet permit holders fished in the AD, and harvested 8 Chinook (3%), 465,314 sockeye (63%), 2,594 coho (17%), 155,655 pink (22%), and 5,832 chum (7%) salmon (Appendices D3, D5 and D6).

Terminal harvest fisheries were not prosecuted in 2008 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).

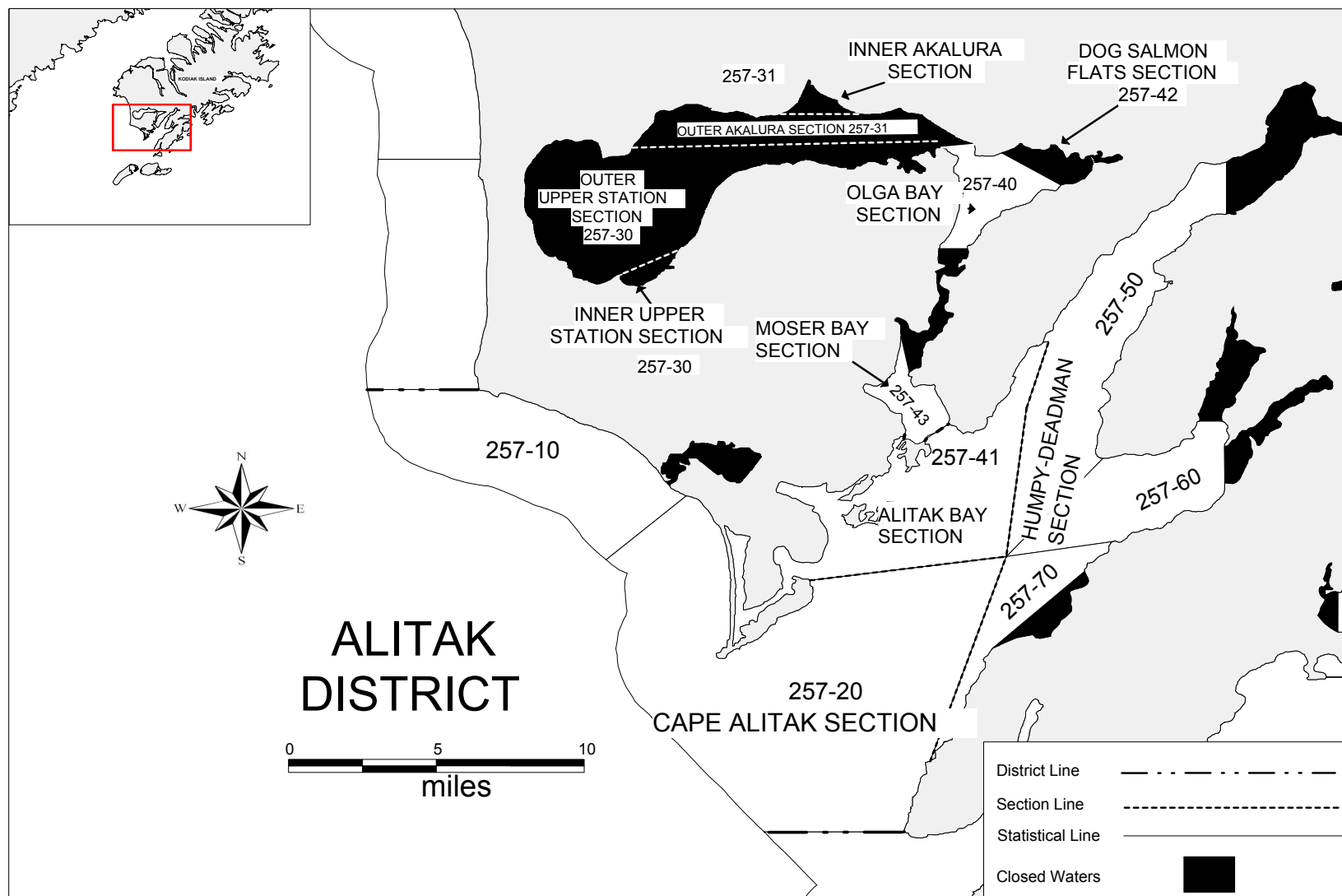
The Frazer Lake escapement (counted through the Dog Salmon weir) equaled 153,276 sockeye salmon (Caldentey 2009; Table 6) of which 105,363 fish passed through the Frazer Lake fish

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pass which was 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 223,656 fish (Caldentey 2009; Table 3) 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, 2008.

Appendix D3.—Set gillnet daily salmon harvest, by species and section, for the Alitak District sections, 2008.

Statistical Area	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Olga Bay Section 257-40	9-Jun	10	10	0	0	2,157	10,588	0	0	0	0	1	8
	10-Jun	9	15	0	0	1,291	6,237	0	0	0	0	0	0
	12-Jun	11	13	0	0	2,938	13,963	0	0	1	3	1	8
	13-Jun	10	14	0	0	2,496	11,985	0	0	0	0	0	0
	14-Jun	9	13	1	17	1,251	5,884	0	0	0	0	1	8
	15-Jun	10	20	0	0	2,021	9,712	0	0	0	0	1	10
	16-Jun	6	6	0	0	497	2,419	0	0	0	0	1	9
	17-Jun	9	9	0	0	600	2,976	0	0	0	0	0	0
	21-Jun	11	17	0	0	5,616	27,953	0	0	0	0	10	88
	22-Jun	10	18	0	0	4,240	20,610	0	0	0	0	11	98
	23-Jun	12	16	0	0	1,554	7,429	0	0	0	0	9	70
	24-Jun	8	13	0	0	393	1,928	0	0	0	0	5	43
	25-Jun	5	6	0	0	450	2,219	0	0	0	0	8	64
	26-Jun	11	13	0	0	2,254	10,851	0	0	1	5	11	89
	27-Jun	8	9	0	0	1,009	4,803	0	0	0	0	7	60
	30-Jun	11	19	0	0	7,167	35,331	0	0	3	15	31	265
	1-Jul	11	18	0	0	4,593	22,459	0	0	0	0	23	197
	2-Jul	10	13	0	0	1,218	5,920	0	0	3	15	9	83
	3-Jul	10	12	0	0	618	3,088	0	0	0	0	25	229
	4-Jul	8	14	0	0	1,105	5,406	0	0	2	10	9	81
	5-Jul	8	12	0	0	1,309	6,409	0	0	3	13	21	173
	6-Jul	7	7	0	0	414	2,152	0	0	2	10	4	34
	9-Jul	10	16	0	0	5,101	25,142	0	0	37	172	100	842
	10-Jul	8	11	0	0	1,175	5,714	0	0	13	52	34	303
	11-Jul	9	12	0	0	337	1,672	0	0	8	33	33	291
	12-Jul	8	8	0	0	624	3,070	0	0	9	43	14	131
	13-Jul	7	7	0	0	183	936	0	0	4	16	3	25
	14-Jul	8	9	0	0	139	754	0	0	4	18	7	52

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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	15-Jul	7	7	0	0	167	921	0	0	3	12	17	135
Section	16-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
257-40	17-Jul	4	4	0	0	78	462	0	0	4	16	4	44
(contd.)	18-Jul	4	4	0	0	95	542	0	0	12	52	5	46
	19-Jul	3	3	0	0	161	899	0	0	22	91	2	27
	20-Jul	4	4	0	0	162	920	0	0	41	176	2	20
	21-Jul	4	4	0	0	282	1,648	0	0	53	249	6	48
	22-Jul	4	4	0	0	120	653	0	0	33	134	5	40
	23-Jul	4	4	0	0	117	736	0	0	47	208	1	8
	24-Jul	4	4	0	0	292	1,829	0	0	121	536	3	25
	25-Jul	4	4	0	0	364	2,206	0	0	151	616	2	19
	26-Jul	4	4	0	0	250	1,542	0	0	125	527	1	9
	28-Jul	8	15	0	0	1,870	11,079	1	6	1,304	5,410	17	140
	29-Jul	9	15	0	0	1,154	6,917	0	0	1,093	4,704	13	118
	30-Jul	8	12	0	0	679	4,147	1	8	1,089	4,370	9	85
	31-Jul	7	10	0	0	702	4,268	3	23	816	3,369	8	67
	1-Aug	6	9	0	0	700	4,323	0	0	795	3,264	7	61
	2-Aug	6	8	0	0	582	3,548	1	4	1,105	4,758	7	55
	3-Aug	6	6	0	0	257	1,616	0	0	542	2,256	7	63
	7-Aug	10	22	0	0	2,876	17,162	4	23	4,463	18,054	24	203
	8-Aug	7	7	0	0	611	3,694	1	7	921	3,699	9	76
	9-Aug	11	15	0	0	783	4,692	7	52	2,560	10,462	24	202
	10-Aug	9	15	0	0	720	4,335	7	47	2,384	9,772	30	259
	11-Aug	8	13	0	0	851	4,979	7	64	1,857	7,482	21	180
	12-Aug	6	6	0	0	190	1,114	5	45	818	3,438	6	59
	17-Aug	7	21	2	8	4,964	28,699	55	523	2,326	9,653	55	473
	18-Aug	8	18	0	0	3,738	21,402	27	253	1,091	4,473	29	255
	19-Aug	5	5	0	0	1,110	6,511	3	28	463	1,865	9	71
	21-Aug	7	22	0	0	3,875	22,163	62	643	3,122	13,391	27	210
	22-Aug	6	12	0	0	1,864	10,953	39	407	1,164	4,775	23	185

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Statistical Area	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Olga Bay Section 257-40 (contd.)	23-Aug	5	8	0	0	790	4,537	36	354	472	1,949	15	118
	24-Aug	7	12	0	0	1,002	5,869	59	565	452	1,902	32	266
	25-Aug	4	8	0	0	698	3,975	29	300	318	1,204	31	259
	26-Aug	4	8	0	0	671	3,837	36	309	168	667	18	152
	27-Aug	4	4	0	0	163	929	22	227	102	421	7	55
	2-Sep	3	7	0	0	731	4,172	39	419	34	140	32	265
	3-Sep	3	6	0	0	401	2,305	28	254	31	138	19	148
	4-Sep	3	5	0	0	234	1,368	28	278	6	25	18	139
	5-Sep	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
Total		22	690	3	25	87,151	459,116	522	5,051	30,202	124,679	940	7,979
Average weight					8.33		5.27		9.68		4.13		8.49
Moser Bay Section 257-43	9-Jun	9	9	0	0	1,741	8,581	0	0	0	0	0	0
	10-Jun	9	17	0	0	2,111	10,524	0	0	0	0	1	8
	12-Jun	10	10	1	22	3,989	20,085	0	0	0	0	0	0
	13-Jun	13	17	0	0	5,424	27,319	0	0	0	0	2	18
	14-Jun	12	18	0	0	3,203	16,165	0	0	0	0	2	17
	15-Jun	12	19	0	0	4,712	23,692	0	0	0	0	3	19
	16-Jun	10	12	0	0	2,604	12,915	0	0	0	0	2	15
	17-Jun	9	10	0	0	2,000	10,463	0	0	0	0	5	36
	21-Jun	9	9	0	0	3,603	18,073	0	0	0	0	4	32
	22-Jun	16	20	0	0	5,958	30,890	0	0	1	3	0	0
	23-Jun	12	14	0	0	2,872	14,614	0	0	0	0	6	52
	24-Jun	13	14	0	0	2,838	14,572	0	0	0	0	4	28
	25-Jun	11	18	0	0	5,537	26,437	0	0	0	0	7	66
	26-Jun	13	21	0	0	6,833	33,494	0	0	1	4	11	100
	27-Jun	11	13	0	0	2,504	12,485	0	0	0	0	6	51
	30-Jun	10	15	0	0	4,953	24,294	0	0	0	0	6	52
	1-Jul	13	19	0	0	5,919	29,006	0	0	4	15	18	151
	2-Jul	12	15	0	0	4,085	20,287	0	0	5	17	19	168
	3-Jul	12	18	0	0	3,723	18,766	0	0	7	36	16	159
	4-Jul	10	22	0	0	4,742	23,350	0	0	4	15	14	113
	5-Jul	10	18	0	0	2,768	13,528	0	0	8	30	15	135
	6-Jul	10	12	0	0	2,724	13,183	0	0	12	51	5	44

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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	9-Jul	10	13	0	0	3,368	16,705	0	0	36	137	33	283
Section	10-Jul	10	14	0	0	2,200	10,842	0	0	39	144	6	53
257-43	11-Jul	12	17	0	0	2,159	10,559	0	0	31	118	14	126
(contd.)	12-Jul	13	19	0	0	3,827	18,955	0	0	49	193	37	322
	13-Jul	11	12	0	0	1,528	7,507	0	0	23	90	10	80
	14-Jul	10	14	0	0	975	4,931	0	0	34	131	25	203
	15-Jul	10	15	0	0	1,374	6,721	0	0	36	144	26	210
	16-Jul	10	13	0	0	710	3,420	0	0	39	156	16	136
	17-Jul	11	14	0	0	1,012	5,034	2	18	95	388	33	269
	18-Jul	14	20	0	0	2,164	11,025	0	0	312	1,228	31	273
	19-Jul	11	19	0	0	1,627	8,621	0	0	329	1,291	28	243
	20-Jul	12	19	0	0	2,315	12,681	0	0	438	1,716	14	122
	21-Jul	12	18	0	0	2,073	11,508	1	8	803	3,167	22	187
	22-Jul	11	14	0	0	1,009	5,782	2	14	462	1,891	10	85
	23-Jul	12	18	0	0	1,980	11,309	1	9	713	2,904	11	98
	24-Jul	13	19	0	0	2,891	16,599	2	12	961	3,853	20	168
	25-Jul	13	23	0	0	4,438	25,594	5	36	1,551	6,207	20	174
	26-Jul	12	19	0	0	2,482	14,434	3	27	1,272	5,078	19	168
	28-Jul	10	15	0	0	3,132	18,317	0	0	1,817	7,141	29	247
	29-Jul	14	28	0	0	5,280	30,524	4	29	3,880	15,781	39	332
	30-Jul	13	19	0	0	2,747	16,052	1	8	1,925	7,691	16	139
	31-Jul	14	23	0	0	3,762	21,615	5	38	2,620	10,416	21	187
	1-Aug	12	23	0	0	4,011	23,779	0	0	3,879	15,571	77	632
	2-Aug	13	18	0	0	3,041	17,808	4	30	2,924	11,910	24	212
	3-Aug	11	12	0	0	1,539	9,152	0	0	1,201	4,808	11	101
	7-Aug	12	14	0	0	2,800	16,565	7	56	3,591	14,409	53	468
	8-Aug	14	19	0	0	3,031	16,973	11	95	3,900	14,501	37	334
	9-Aug	16	24	0	0	4,389	25,238	24	192	6,595	24,413	51	435
	10-Aug	16	25	0	0	3,477	19,630	14	109	5,230	21,079	30	272
	11-Aug	15	20	0	0	4,383	25,534	32	292	4,689	18,804	33	296
	12-Aug	10	12	0	0	2,301	12,645	8	71	1,976	7,899	8	76
	17-Aug	11	12	0	0	2,872	16,143	46	466	1,151	4,665	24	214
	18-Aug	12	22	0	0	8,954	47,480	101	999	2,427	9,304	32	284

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Statistical Area	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Moser Bay Section 257-43 (contd.)	19-Aug	11	16	0	0	4,732	25,180	37	315	699	2,644	9	77
	21-Aug	12	17	0	0	5,746	31,012	80	819	1,106	4,136	26	242
	22-Aug	14	24	0	0	5,768	31,288	117	1,174	1,043	4,005	41	350
	23-Aug	11	18	0	0	3,676	19,842	134	1,456	684	2,602	33	284
	24-Aug	10	19	0	0	4,407	23,567	79	894	726	2,700	39	347
	25-Aug	10	18	0	0	2,693	14,280	129	1,535	638	2,263	35	310
	26-Aug	9	16	0	0	2,197	12,197	146	1,579	409	1,637	45	368
	27-Aug	9	9	0	0	1,037	5,904	58	628	177	764	14	119
	2-Sep	9	9	0	0	447	2,489	43	440	55	217	12	93
	3-Sep	10	13	0	0	1,035	5,700	126	1,356	17	71	30	220
	4-Sep	8	11	0	0	676	3,635	68	688	7	27	15	111
	5-Sep	6	7	0	0	200	1,154	19	196	8	33	3	20
	6-Sep	5	7	0	0	636	3,598	40	392	7	26	10	84
	7-Sep	4	5	0	0	358	1,982	31	320	0	0	8	67
	8-Sep	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
Total		27	1,117	1	22	212,367	1,124,595	1,383	14,333	60,646	238,524	1,327	11,393
Average weight					22.00		5.30		10.36		3.93		8.59
Alitak Bay Section 257-41	9-Jun	8	9	0	0	1,031	5,628	0	0	0	0	1	6
	10-Jun	13	20	0	0	1,716	9,201	0	0	0	0	3	20
	12-Jun	3	3	0	0	171	900	0	0	0	0	0	0
	13-Jun	14	17	0	0	3,410	17,212	0	0	2	6	3	19
	14-Jun	12	20	0	0	4,923	25,655	0	0	3	10	4	31
	15-Jun	12	17	0	0	2,995	15,475	0	0	0	0	2	13
	16-Jun	15	18	1	21	2,395	12,097	0	0	0	0	5	47
	17-Jun	13	25	0	0	5,041	25,505	0	0	0	0	2	15
	21-Jun	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	22-Jun	12	25	0	0	7,378	37,253	0	0	2	7	16	124
	23-Jun	12	18	0	0	4,103	20,221	1	7	2	7	22	172
	24-Jun	12	20	0	0	6,559	33,332	0	0	8	28	43	343
	25-Jun	4	5	0	0	1,446	7,184	0	0	0	0	5	43
	26-Jun	15	22	0	0	7,896	40,772	0	0	7	28	33	261
	27-Jun	18	20	0	0	3,799	19,798	0	0	15	63	50	405
	30-Jun	3	3	0	0	284	1,437	0	0	2	7	1	9

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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 Section	1-Jul	11	15	0	0	4,443	23,193	0	0	2	8	39	321
	2-Jul	13	21	0	0	5,722	28,947	1	5	56	187	75	625
257-41 (contd.)	3-Jul	13	18	0	0	4,747	24,029	1	6	34	115	55	455
	4-Jul	11	18	0	0	3,602	17,658	1	6	35	113	61	483
	5-Jul	13	19	0	0	2,826	13,687	0	0	64	218	59	492
	6-Jul	13	17	0	0	2,421	11,929	0	0	42	156	41	321
	9-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	10-Jul	12	16	0	0	2,385	11,770	0	0	230	898	99	853
	11-Jul	12	15	0	0	1,830	9,072	0	0	144	553	46	386
	12-Jul	11	13	0	0	1,370	6,816	0	0	157	607	34	285
	13-Jul	11	15	0	0	2,064	10,343	2	12	181	709	100	805
	14-Jul	10	13	0	0	1,345	6,803	2	14	131	538	84	711
	15-Jul	10	13	0	0	1,975	9,855	0	0	222	856	71	606
	16-Jul	11	12	0	0	1,190	5,970	3	19	305	1,190	78	665
	17-Jul	10	12	1	16	1,907	9,406	3	22	515	2,038	111	964
	18-Jul	11	12	0	0	1,681	8,361	0	0	614	2,407	92	801
	19-Jul	12	14	0	0	1,750	8,823	4	24	905	3,603	141	1,255
	20-Jul	12	16	0	0	2,707	14,051	3	26	1,371	5,344	88	757
	21-Jul	9	13	0	0	1,633	8,985	0	0	1,316	5,146	77	657
	22-Jul	10	16	0	0	1,697	9,546	1	7	2,207	8,790	132	1,133
	23-Jul	9	14	0	0	1,585	8,835	2	14	1,373	5,417	96	847
	24-Jul	13	16	0	0	2,637	14,718	2	17	1,503	5,952	101	863
	25-Jul	9	13	0	0	3,837	20,917	5	35	1,634	6,551	87	766
	26-Jul	13	16	0	0	2,674	14,840	3	25	2,453	9,855	144	1,252
	28-Jul	4	6	0	0	774	4,479	0	0	941	3,698	86	766
	29-Jul	11	15	0	0	2,313	13,276	1	8	1,646	6,362	107	905
	30-Jul	11	14	1	16	2,814	16,082	3	24	2,287	9,130	108	973
	31-Jul	11	12	0	0	1,301	7,386	1	8	2,081	8,366	89	760
	1-Aug	11	19	0	0	3,474	20,466	5	37	4,688	18,651	127	1,110
	2-Aug	12	15	1	10	2,860	16,051	5	39	4,087	16,177	127	1,095
	3-Aug	10	16	0	0	2,729	15,070	3	22	3,372	13,413	96	808
	7-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	8-Aug	13	19	0	0	3,773	20,930	13	108	7,500	28,883	105	898

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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-Aug	9	16	0	0	2,052	11,439	3	27	4,027	15,708	35	305
Section	10-Aug	10	18	0	0	2,671	14,870	11	99	5,025	19,505	59	537
257-41	11-Aug	10	14	0	0	2,801	15,683	9	72	3,054	11,989	45	398
(contd.)	12-Aug	10	16	0	0	3,904	21,676	32	282	3,343	13,193	95	844
	17-Aug	3	3	0	0	542	3,082	1	9	352	1,399	6	53
	18-Aug	11	15	0	0	5,612	31,235	29	271	2,205	8,547	33	319
	19-Aug	13	18	0	0	4,894	26,949	64	646	1,887	7,417	51	448
	21-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	22-Aug	9	13	0	0	2,082	11,925	31	295	682	2,666	44	363
	23-Aug	10	13	0	0	2,099	12,352	77	566	662	2,643	41	355
	24-Aug	11	13	0	0	2,027	11,556	33	344	454	1,813	45	383
	25-Aug	7	11	0	0	862	4,826	23	198	306	1,217	34	288
	26-Aug	8	10	0	0	1,172	6,588	46	467	225	910	34	281
	27-Aug	10	16	0	0	1,329	7,703	91	647	123	493	28	232
	3-Sep	7	10	0	0	566	3,316	59	563	6	23	18	130
	4-Sep	6	7	0	0	173	962	8	87	6	23	4	29
	5-Sep	4	6	0	0	373	2,107	27	282	6	24	13	98
	6-Sep	5	5	0	0	415	2,325	36	355	10	42	5	37
	7-Sep	5	5	0	0	445	2,513	31	298	4	16	12	93
	8-Sep	3	3	0	0	132	754	6	58	0	0	2	13
Total		31	924	4	63	165,796	878,262	689	6,115	64,807	254,882	3,565	30,466
Average weight					15.75		5.30		8.88		3.93		8.55
Grand Total		61	2,731	8	110	465,314	2,461,973	2,594	25,499	155,655	618,085	5,832	49,838
Average weight					13.75		5.29		9.83		3.97		8.55

Note: Conf=Confidential

Appendix D4.–Purse seine daily salmon harvest, by species and section, for the Alitak District, 2008.

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	6	6	9	158	1,257	6,499	0	0	9	31	6	67
(257-10 & 20)	14-Jun	5	5	11	219	3,840	19,517	0	0	7	20	28	248
	15-Jun	4	4	11	157	3,964	19,063	0	0	23	73	33	292
	16-Jun	8	9	25	425	7,638	36,107	0	0	7	15	45	311
	17-Jun	6	6	9	174	5,238	26,073	11	96	46	148	43	325
	18-Jun	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	22-Jun	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	23-Jun	16	18	21	304	24,085	121,557	0	0	100	311	331	2,932
	24-Jun	9	9	4	68	4,315	22,865	0	0	14	49	135	1,170
	25-Jun	4	5	2	57	5,377	28,137	0	0	38	114	144	1,256
	26-Jun	8	8	2	52	3,200	17,673	0	0	55	172	119	1,023
	27-Jun	8	8	6	101	7,158	38,667	0	0	130	379	141	1,232
	28-Jun	6	6	5	109	7,447	38,202	0	0	49	156	69	607
	1-Jul	11	11	14	306	9,719	48,926	0	0	366	1,015	434	3,549
	2-Jul	7	7	0	0	4,706	23,605	0	0	283	846	294	1,392
	3-Jul	3	3	0	0	2,227	11,141	0	0	236	709	124	996
	4-Jul	12	12	3	113	11,198	56,069	0	0	662	2,010	406	3,507
	5-Jul	7	7	1	55	4,749	21,391	1	6	490	1,466	143	1,132
	6-Jul	3	3	3	72	3,378	15,785	0	0	410	1,233	124	1,075
	7-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	10-Jul	5	6	0	0	3,212	16,686	4	40	1,709	5,219	712	5,696
	11-Jul	15	15	4	51	13,480	68,519	25	168	7,026	21,380	1,840	15,689
	12-Jul	8	8	14	211	11,327	58,925	53	386	5,124	15,377	1,507	12,054
	13-Jul	5	5	1	21	5,300	29,757	3	29	3,392	10,169	543	4,617
	14-Jul	11	11	7	122	12,452	76,571	12	75	8,348	27,012	767	7,043
	15-Jul	3	3	0	0	934	5,626	0	0	985	3,228	160	1,468
	16-Jul	7	7	6	119	7,393	44,795	19	146	7,976	25,394	4,225	40,815
	17-Jul	4	4	5	116	4,693	23,548	6	22	4,391	13,247	567	5,116
	18-Jul	4	4	9	236	2,168	11,485	24	172	4,065	12,196	422	3,370
	19-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf

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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 (contd.)	20-Jul	3	4	3	33	2,122	10,743	58	397	12,224	36,662	3,702	32,338
	22-Jul	5	5	2	68	1,378	8,966	0	0	3,502	12,263	2,834	21,323
	23-Jul	9	9	4	105	4,350	27,235	36	341	21,288	73,964	5,548	42,074
	24-Jul	7	8	2	73	2,586	16,823	37	268	24,549	85,935	3,650	27,413
	25-Jul	6	6	3	51	2,584	16,700	53	340	31,272	110,514	2,057	15,438
	26-Jul	4	4	2	56	963	6,263	50	301	15,888	55,668	599	4,526
	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	5	5	2	69	2,801	17,060	139	931	29,615	94,361	542	4,219
	1-Aug	7	7	6	131	3,419	22,252	114	704	25,841	90,453	347	2,621
	2-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	3-Aug	5	5	5	80	2,495	15,974	37	240	10,512	37,824	303	2,474
	4-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	8-Aug	6	6	1	26	1,387	6,420	187	1,326	17,250	51,749	269	2,143
	9-Aug	17	19	14	245	7,816	48,733	609	6,265	66,376	224,633	639	5,896
	10-Aug	3	3	0	0	1,178	6,573	155	1,090	9,333	28,001	70	577
	11-Aug	10	11	2	25	13,311	89,887	246	3,023	31,498	121,704	323	3,508
	12-Aug	7	7	0	0	4,187	32,566	128	1,693	11,973	52,691	686	8,262
	13-Aug	4	4	0	0	3,882	23,576	19	210	8,076	28,892	128	1,386
	18-Aug	7	7	2	28	7,054	36,995	914	6,945	7,162	22,765	1,601	14,122
	19-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
	22-Aug	7	7	1	44	1,860	9,700	1,180	8,257	849	2,548	117	958
	23-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	24-Aug	3	3	0	0	664	3,258	371	2,598	272	890	19	151
	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	4	4	0	0	3,339	16,510	1,534	10,745	1,338	4,212	2,423	20,141
	28-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	3-Sep	7	7	3	37	2,480	12,399	1,437	11,062	298	893	184	1,417
	4-Sep	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	5-Sep	4	5	2	26	1,233	6,255	615	6,956	94	325	242	1,980

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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 (contd.)	7-Sep	3	3	0	0	236	1,178	178	1,963	26	80	38	306
	8-Sep	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	12-Sep	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	16-Sep	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
Total		41	358	243	4,605	260,528	1,420,071	11,386	92,039	409,643	1,393,387	41,459	344,345
Average weight					18.95		5.45		8.08		3.40		8.31
Olga Bay													
Section (257-40)	5-Sep	5	5	0	0	83	414	376	4,136	6	16	1,439	12,358
Total		5	5	0	0	83	414	376	4,136	6	16	1,439	12,358
Average weight							4.99		11.00		2.67		8.59
Humpy-Deadman													
Section (257-50,60 & 70)	13-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
	2-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	7-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
	18-Jul	4	4	3	34	986	5,202	17	126	4,466	13,399	422	3,375
	19-Jul	3	4	0	0	1,958	10,275	35	267	8,535	25,608	505	4,051
	20-Jul	5	5	0	0	773	4,058	12	106	10,798	32,401	489	3,916
	26-Jul	4	4	0	0	703	4,576	30	178	16,529	57,855	531	3,989
	27-Jul	5	5	0	0	468	2,993	13	115	14,237	49,821	417	3,149
	28-Jul	7	7	0	0	1,529	9,092	32	216	23,501	80,420	774	5,899
	29-Jul	6	6	0	0	1,543	8,847	40	289	23,908	76,365	651	5,052
	30-Jul	3	3	0	0	633	3,358	76	540	18,674	57,408	284	2,273
	1-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
	11-Aug	3	4	2	35	1,499	10,224	71	708	7,240	29,552	10,848	99,287
	12-Aug	4	4	0	0	807	6,271	12	142	5,060	22,263	1,387	16,659
	18-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
	25-Aug	4	4	0	0	873	4,229	407	2,855	2,776	12,139	7,077	56,618
	27-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
Total		16	64	14	244	17,127	98,372	1,034	8,282	146,938	497,368	29,964	260,620
Average weight					17.43		5.74		8.01		3.38		8.70
Grand Total		41	427	257	4,849	277,738	1,518,857	12,796	104,457	556,587	1,890,771	72,862	617,323
Average weight					18.87		5.47		8.16		3.40		8.47

Note: Conf=Confidential

Appendix D5.–Salmon harvest by gear type and species, for the Alitak District, 2008.

	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		Total	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Purse Seine														
Total	41	427	257	4,849	277,738	1,518,857	12,796	104,457	556,587	1,890,771	72,862	617,323	920,240	4,136,257
Avg. Wt.				18.9		5.5		8.2		3.4		8.5		
Set Gillnet														
Total	61	2,680	8	110	465,314	2,461,973	2,594	25,499	155,655	618,085	5,832	49,838	629,403	3,155,505
Avg. Wt.				13.8		5.3		9.8		4.0		8.5		
Year Total	102	3,107	265	4,959	743,052	3,980,830	15,390	129,956	712,242	2,508,856	78,694	667,161	1,549,643	7,291,762
Avg. Wt.				18.7		5.4		8.4		3.5		8.5		

Appendix D6.–Commercial salmon harvest, by species, with percent harvest by gear type, in the Alitak District, 1954-2008.

YEAR	Chinook ^a			Sockeye ^a			Coho ^a			Pink ^a			Chum ^a			Total ^a		
	Number	GN%	PS%	Number	GN%	PS%	Number	GN%	PS%	Number	GN%	PS%	Number	GN%	PS%	Number	GN%	PS%
1954	3	33%	67%	44,448	94%	6%	1,118	93%	7%	490,038	47%	53%	55,788	19%	81%	591,395	48%	52%
1955	38	74%	26%	56,058	89%	11%	410	68%	32%	1,656,363	15%	85%	100,031	17%	83%	1,812,900	18%	82%
1956	10	10%	90%	62,673	77%	23%	904	25%	75%	335,669	30%	70%	55,967	11%	89%	455,223	34%	66%
1957	7	14%	86%	15,365	88%	12%	378	31%	69%	410,620	12%	88%	49,661	27%	73%	476,031	16%	84%
1958	11	0%	100%	30,542	79%	21%	488	33%	67%	770,851	29%	71%	81,255	8%	92%	883,147	29%	71%
1959	11	18%	82%	24,888	59%	41%	378	30%	70%	544,592	23%	77%	70,589	8%	92%	640,458	23%	77%
1960	29	17%	83%	68,472	77%	23%	2,129	77%	23%	1,561,476	25%	75%	102,432	13%	87%	1,734,538	26%	74%
1961	23	4%	96%	145,781	67%	33%	1,470	49%	51%	1,589,027	14%	86%	60,600	18%	82%	1,796,901	19%	81%
1962	5	20%	80%	124,496	75%	25%	1,792	79%	21%	1,886,769	23%	77%	54,115	26%	74%	2,067,177	26%	74%
1963	30	7%	93%	54,992	60%	40%	1,202	31%	69%	1,522,856	14%	86%	42,836	10%	90%	1,621,916	15%	85%
1964	29	10%	90%	50,167	72%	28%	2,324	76%	24%	1,408,731	46%	54%	34,460	13%	87%	1,495,711	46%	54%
1965	16	6%	94%	68,876	68%	32%	688	16%	84%	1,129,185	11%	89%	20,604	17%	83%	1,219,369	14%	86%
1966	2	50%	50%	70,526	91%	9%	585	78%	22%	429,204	40%	60%	33,153	18%	82%	533,470	46%	54%
1967	6	0%	100%	14,227	82%	18%	50	0%	100%	84,918	66%	34%	17,377	55%	45%	116,578	66%	34%
1968	16	44%	56%	40,662	86%	14%	3,701	79%	21%	1,046,221	21%	79%	29,450	35%	65%	1,120,050	24%	76%
1969	27	37%	63%	98,722	54%	46%	7,240	7%	93%	3,768,917	8%	92%	45,134	15%	85%	3,920,040	10%	90%
1970	8	50%	50%	81,528	76%	24%	4,540	73%	27%	949,488	27%	73%	93,306	15%	85%	1,128,870	30%	70%
1971	33	30%	70%	124,480	55%	45%	2,261	66%	34%	1,066,180	10%	90%	191,437	7%	93%	1,384,391	14%	86%
1972	15	40%	60%	22,127	70%	30%	1,270	51%	49%	187,154	17%	83%	93,236	6%	94%	303,802	18%	82%
1973	4	50%	50%	10,338	62%	38%	125	70%	30%	49,932	35%	65%	24,408	19%	81%	84,807	34%	66%
1974	19	16%	84%	66,605	52%	48%	1,284	49%	51%	363,389	9%	91%	22,220	9%	91%	453,517	16%	84%
1975	0	0%	0%	16,515	72%	28%	1,627	3%	97%	235,720	11%	89%	2,855	40%	60%	256,717	15%	85%
1976	18	28%	72%	96,668	71%	29%	3,518	53%	47%	1,804,003	26%	74%	66,183	14%	86%	1,970,390	28%	72%
1977	20	40%	60%	78,805	69%	31%	1,343	57%	43%	961,673	23%	77%	70,978	12%	88%	1,112,819	26%	74%
1978	694	58%	42%	218,165	59%	41%	2,788	52%	48%	4,191,756	12%	88%	72,166	16%	84%	4,485,569	14%	86%
1979	108	24%	76%	317,906	50%	50%	15,007	54%	46%	1,664,249	7%	93%	22,454	32%	68%	2,019,724	14%	86%
1980	34	21%	79%	208,200	83%	17%	12,972	34%	66%	2,033,236	12%	88%	67,471	12%	88%	2,321,913	18%	82%
1981	45	13%	87%	346,073	74%	26%	17,011	55%	45%	2,073,629	13%	87%	61,513	37%	63%	2,498,271	22%	78%
1982	43	30%	70%	476,862	86%	14%	29,378	40%	60%	519,880	27%	73%	101,543	22%	78%	1,127,706	52%	48%
1983	159	12%	88%	460,087	59%	41%	28,953	45%	55%	1,318,526	7%	93%	107,786	21%	79%	1,915,511	21%	79%
1984	290	11%	89%	382,729	67%	33%	25,299	51%	49%	433,806	25%	75%	84,924	24%	76%	927,048	43%	57%
1985	199	21%	79%	703,186	63%	37%	43,914	48%	52%	1,057,912	14%	86%	84,760	33%	67%	1,889,971	34%	66%
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%
Averages ^b :																		
1954-200	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%
1998-200	515	9%	91%	511,946	59%	41%	9,934	48%	52%	1,527,774	14%	86%	43,732	21%	79%	2,093,869	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

INTRODUCTION

Management of Westside Kodiak fisheries were complex due to the mixing of various local salmon stocks during inshore migration. Various tagging studies have been done along Kodiak Island's west side to help discern migratory pathways and timing of the Westside salmon stocks, as well as salmon moving to the Alitak District. 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 fishers (Prokopowich et al 1991).

The goal of the Westside Kodiak Management Plan (WKMP; 5 AAC 18.362) is to achieve escapement of sockeye salmon returning to the Karluk, Ayakulik, and other minor Westside sockeye salmon stocks, and of pink, chum, and coho salmon returning to systems in the Southwest Afognak, Central, North Cape, Anton Larsen Bay, Sheratin 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 is the intent of the board that salmon bound for these systems will be harvested to the extent possible by the traditional fisheries located in all 17 sections (Wadle et al 2008). A map depicting these sections is included in Appendix E2.

Since 1999, the Karluk River early-run sockeye salmon escapement has exceeded the upper goal (currently 250,000 sockeye salmon by July 15; (Honold et al. 2007)) in every year, except 2006 and 2008 (Caldentey 2009). 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.

2008 Westside Kodiak Fisheries

In 2008, the Karluk early-run (through July 15) sockeye salmon return started late and was weaker than expected. ADF&G preseason salmon forecasts called for a surplus (in excess of escapement needs) of early-run sockeye salmon returning to Karluk (forecasted harvestable surplus of approximately 251,000 fish), Frazer (295,000 fish), Upper Station (62,000 fish), and Ayakulik (85,500 fish; Nelson et al. 2008). The initial commercial fishing period began on June 5, which was the same as the previous year's opening date but earlier than the traditional opening date of June 9. The resulting harvest indicated a weaker than expected run of sockeye salmon traveling along the west side.

After the first opening, sockeye salmon escapement started building up in Karluk Lagoon and passing the weir in large amounts on June 18. Between June 18 and June 20, 62,424 sockeye salmon (76% of the eventual early-run 2008 escapement) passed Karluk weir and fish continued to build up in the lagoon. Based on the accelerated escapement rate and a history of over-escapement in past years in similar circumstances, another short opening was allowed starting June 22 to further

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test the strength of the run. The resulting harvest indicated low abundance in the west side fishery and another fishing period was not allowed until the beginning of the pink salmon season.

For the first time since 1981, the 2008 Karluk early-run sockeye salmon escapement of 82,071 fish (Caldentey 2009) was not within or above the desired range of 110,000 to 250,000 fish (Honnold et al. 2007). Approximately 173,056 early-run Karluk sockeye salmon were harvested (Table 9), below the forecast (251,000 fish; Nelson et al. 2008), although it is likely some of these fish were of Uganik or Little River lakes origin.

Karluk late-run (post July 15) sockeye salmon run also proved to be weaker than forecast (191,000 fish projected harvest; Nelson et al. 2008). Despite the relatively short fishing periods of 57 hours that were allowed initially in the Westside fishery, less than adequate escapement of late-run sockeye salmon occurred in Karluk River. Only 164,419 sockeye salmon passed the weir after July 15 (Table 3; Caldentey 2009), below the desired escapement goal range of 170,000 to 380,000 fish (Honnold et al. 2007).

The 2008 Ayakulik sockeye salmon run was late and weak. No fishing was allowed targeting sockeye salmon in the Inner Ayakulik and Outer Ayakulik sections in 2008. The Ayakulik River pink salmon run was moderately strong. By August 17, the cumulative pink salmon escapement past Ayakulik weir was 659,125 fish (Caldentey 2009) which was near the upper end of the desired range of objectives for that date. A large buildup of approximately 600,000 pink salmon was present below the weir in the river and in the ocean off the river mouth. If these fish would have all been allowed to escape, the pink salmon escapement would have been well above the desired escapement objective range for this river. To prevent this, a 12-hour opening was allowed on August 20 to harvest the excess pink salmon. During the opening, closed waters were increased to 500 yards from the stream mouth in part to protect what was thought to be a few sockeye salmon in the area. The harvest during that opening included 134,028 pink salmon and 49,740 sockeye salmon. On September 15, a 54-hour fishing period was allowed in the Inner Ayakulik and Outer Ayakulik sections to allow a harvest opportunity on the Ayakulik River coho salmon run but no harvest was reported. The total sockeye salmon escapement (162,888 fish; Caldentey 2009) was below established goals (200,000 to 500,000 fish; Honnold et al. 2007). The incidental harvest of Ayakulik sockeye salmon (49,740 fish) was well below forecast (171,000 fish; Nelson et al. 2008).

The total commercial harvest from Westside Kodiak management units (Southwest Afognak to Ayakulik¹) was 4,695,129 salmon, including 13,124 Chinook, 634,029 sockeye, 92,156 coho, 3,732,167 pink, and 223,653 chum salmon from 3,386 landings (Appendix E3). The total

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¹ Westside Kodiak salmon harvest totals do not include salmon taken in the Spiridon Bay Special Harvest Area. Sockeye salmon from an enhancement project return to this area. It is covered under a separate management plan; see Appendix H for a description of the Spiridon Bay Special Harvest Area fishery. They do include sockeye salmon destined for Spiridon Bay that were caught outside the Spiridon Bay SHA.

Westside Kodiak salmon harvest was 40% percent of the total KMA salmon harvest. Seine fishermen made 1,105 landings for 11,204 Chinook, 348,070 sockeye, 62,274 coho, 2,766,775 pink, and 151,985 chum salmon (Appendix E4). Set gillnet fishermen made 2,281 landings for 1,920 Chinook, 285,959 sockeye, 29,882 coho, 965,392 pink, and 71,668 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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Appendix E2.–Map of the west side Kodiak including Southwest Kodiak and Northwest Kodiak districts and the Southwest Afognak Section of the Afognak District.

Appendix E3.—Commercial salmon harvest, by species, for Westside management units in the Kodiak Management Area, 1975-2008.

Year	Permits	Landings	Number of Salmon					Total
			Chinook	Sockeye	Coho	Pink	Chum	
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	3,386	13,124	634,029	92,156	3,732,167	223,653	4,695,129
Average ^a								
1997-2006	261	7,699	14,515	1,881,114	164,893	8,799,457	324,897	11,184,876
1975-2007	339	7,784	9,215	1,418,064	114,845	6,742,221	298,311	8,582,654

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 2008.

Gear	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		Total	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Seine	112	1,105	11,204	80,815	348,070	1,942,012	62,274	490,617	2,766,775	9,881,384	151,985	1,303,703	3,340,308	13,698,531
Average weight				7.21		5.58		7.88		3.57		8.58		
Set Gillnet	87	2,281	1,920	18,596	285,959	1,680,345	29,882	228,062	965,392	3,812,178	71,668	607,863	1,354,821	6,347,044
Average weight				9.69		5.88		7.63		3.95		8.48		
Grand total	199	3,386	13,124	99,411	634,029	3,622,357	92,156	718,679	3,732,167	13,693,562	223,653	1,911,566	4,695,129	20,045,575
Average weight				7.57		5.71		7.80		3.67		8.55		

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.—Purse seine daily salmon harvest, by species for the Westside Management Plan units, 2008.

Management Unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	
Southwest Afognak Section														
	22-Jun	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	
	23-Jun	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	
	7-Jul	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	
	8-Jul	3	3	651	3,773	1,154	5,679	0	0	2,111	8,505	1,007	6,714	
	12-Jul	9	9	503	3,847	2,315	13,238	58	424	13,098	48,542	1,178	10,432	
	13-Jul	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	
	14-Jul	10	10	334	3,766	2,763	16,127	106	806	12,356	44,393	1,777	14,209	
	18-Jul	11	11	253	1,910	6,048	33,656	420	3,014	27,422	96,821	3,032	27,313	
	19-Jul	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	
	20-Jul	12	12	156	1,291	3,096	16,767	482	3,593	23,991	77,282	2,702	22,752	
	24-Jul	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	
	25-Jul	5	5	150	1,441	1,117	5,596	439	3,969	17,468	43,692	1,282	10,266	
	26-Jul	5	5	169	1,117	1,223	6,272	279	2,038	15,120	51,219	1,058	8,594	
	27-Jul	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	
	29-Jul	4	4	82	1,143	955	5,456	770	6,217	23,440	88,739	1,258	9,150	
	30-Jul	7	7	58	613	873	4,903	376	2,871	20,154	75,636	635	4,387	
	2-Aug	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	
	3-Aug	3	3	69	440	158	1,031	132	1,109	10,266	34,869	859	6,892	
	5-Aug	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	
	11-Aug	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	
	18-Aug	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	
	19-Aug	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	
	20-Aug	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	
	29-Aug	3	3	1	10	202	1,051	281	2,427	893	3,038	22	145	
	31-Aug	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	
Total			29	90	2,619	20,708	22,010	121,142	4,172	33,950	198,326	684,278	16,227	132,218
Average weight					7.9		5.5		8.1		3.5		8.1	
Northwest Kodiak District														
	5-Jun	11	11	2,037	12,852	2,264	11,482	0	0	40	118	589	4,868	
	6-Jun	3	3	22	168	370	2,182	0	0	0	0	24	272	
	7-Jun	5	5	15	153	773	3,640	0	0	9	37	52	403	
	8-Jun	3	3	778	4,617	754	3,999	0	0	25	60	267	1,921	
	9-Jun	4	4	5	48	2,230	9,553	0	0	16	65	152	1,126	
	10-Jun	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	

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Management				Chinook		Sockeye		Coho		Pink		Chum	
Unit	Date	Permits	Landings	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Northwest Kodiak													
District													
(cont.)	11-Jun	8	8	232	1,353	2,171	10,044	0	0	105	360	587	4,574
	12-Jun	4	4	73	358	290	1,474	0	0	20	62	108	830
	22-Jun	6	6	649	4,080	1,690	9,760	0	0	406	1,185	140	1,156
	23-Jun	15	15	1,174	7,272	5,387	29,432	0	0	2,568	8,695	1,069	8,283
	6-Jul	14	14	255	1,673	16,786	96,355	141	975	13,979	57,795	2,116	18,512
	7-Jul	7	7	15	262	7,261	40,824	333	1,446	6,950	24,572	1,089	7,468
	8-Jul	23	24	550	3,973	12,748	70,484	631	4,434	17,343	61,824	4,904	42,352
	12-Jul	23	23	119	591	10,253	55,460	1,200	7,604	27,500	110,055	8,255	76,510
	13-Jul	10	12	85	287	1,288	6,793	256	1,732	21,151	72,355	5,953	58,877
	14-Jul	21	23	174	830	4,348	23,242	536	4,390	19,421	70,795	8,145	78,091
	18-Jul	23	23	235	1,245	7,165	41,820	142	1,103	25,510	94,983	11,122	103,820
	19-Jul	17	18	299	2,276	4,700	25,089	202	1,614	38,564	121,962	4,738	48,127
	20-Jul	21	21	716	4,782	6,789	34,074	432	3,142	36,984	128,267	5,957	54,156
	24-Jul	19	20	5	70	1,485	7,944	59	506	48,491	170,878	5,673	51,483
	25-Jul	24	25	64	834	4,284	22,740	963	7,078	102,807	369,749	10,334	87,471
	26-Jul	20	20	133	1,250	3,124	16,504	643	4,865	69,156	238,585	3,341	28,409
	27-Jul	22	24	112	1,110	3,156	16,937	1,004	7,718	76,903	288,263	3,617	30,672
	28-Jul	16	16	78	1,119	1,694	7,567	239	1,667	52,523	192,509	1,969	17,210
	29-Jul	11	11	9	140	582	3,293	153	1,118	44,524	163,783	1,256	11,227
	30-Jul	21	21	12	84	2,026	10,592	456	3,361	64,650	235,487	1,555	13,377
	2-Aug	17	17	34	356	816	4,543	518	4,104	41,573	161,895	1,619	16,315
	3-Aug	19	19	8	71	976	5,121	663	4,740	52,551	205,017	2,282	21,036
	4-Aug	23	23	36	418	1,624	10,069	1,028	8,969	80,393	302,369	2,959	23,890
	5-Aug	21	21	43	428	2,194	11,573	1,321	10,184	73,159	262,233	1,833	15,751
	6-Aug	21	25	56	468	1,779	9,539	1,482	11,266	70,913	244,968	2,122	16,291
	11-Aug	23	23	15	195	1,426	7,653	1,433	11,153	83,848	308,640	1,860	16,087
	12-Aug	27	27	27	221	1,515	8,389	1,412	12,878	95,220	315,018	3,492	28,963
	13-Aug	24	25	37	424	2,152	11,565	1,905	14,295	74,703	275,394	3,770	32,134
	14-Aug	28	29	10	113	2,404	12,609	2,086	16,446	80,228	298,667	5,015	25,631
	15-Aug	34	35	57	616	2,173	11,436	2,208	16,150	71,522	254,750	5,442	43,582
	18-Aug	11	11	12	109	493	2,706	1,129	10,318	29,193	105,936	6,301	48,055
	19-Aug	8	8	3	27	165	931	611	5,414	12,770	45,151	550	4,309
	20-Aug	18	18	9	121	2,812	15,505	1,302	10,437	35,726	128,642	1,958	15,869
	21-Aug	21	21	32	244	1,260	6,460	1,847	14,768	39,360	130,253	965	8,440

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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.)	22-Aug	25	25	28	262	2,762	16,324	2,195	19,809	43,593	157,266	1,136	9,488
	29-Aug	31	31	9	86	2,433	12,999	3,492	28,989	24,427	87,571	2,454	18,501
	30-Aug	15	15	0	0	1,907	9,483	2,444	18,677	25,219	96,614	489	3,872
	31-Aug	8	8	0	0	215	1,204	1,315	11,466	4,588	17,765	102	792
Total		101	744	8,282	55,711	133,189	721,542	35,781	282,816	1,608,650	5,810,659	127,456	1,100,927
Average weight					6.7		5.4		7.9		3.6		8.6
Inner & Outer Karluk sections													
	22-Jun	6	6	8	73	2,751	14,208	0	0	56	162	45	361
	23-Jun	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid
	2-Aug	3	3	1	18	728	4,264	151	987	7,578	27,516	16	110
	3-Aug	6	6	5	66	2,855	14,236	182	1,361	39,615	131,601	466	4,952
	4-Aug	7	7	4	61	1,897	11,466	217	2,110	27,626	99,614	211	1,722
	5-Aug	3	3	0	0	1,122	5,489	69	574	9,089	36,630	85	722
	6-Aug	6	6	0	0	1,331	6,424	312	2,518	24,035	82,494	245	2,097
	7-Aug	9	10	25	297	5,258	25,901	773	7,043	55,317	200,014	475	4,107
	8-Aug	11	11	7	92	2,666	13,282	641	5,366	62,767	239,458	449	3,971
	11-Aug	10	10	22	253	5,122	27,455	1,427	11,254	52,650	187,653	732	6,035
	12-Aug	5	5	0	0	3,073	15,410	645	4,855	27,852	99,994	280	2,489
	13-Aug	8	8	11	144	1,936	9,831	545	4,210	30,855	108,679	447	3,808
	14-Aug	3	3	0	0	84	416	40	307	3,483	12,636	45	407
	15-Aug	8	8	4	58	5,286	26,174	814	6,404	35,017	129,400	465	4,191
	19-Aug	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid
	20-Aug	4	4	0	0	1,001	5,028	327	2,822	5,444	20,974	14	122
Total		30	94	92	1,110	36,969	190,731	6,320	51,316	386,508	1,393,197	4,059	35,745
Average weight					12.1		5.2		8.1		3.6		8.8
remainder of Southwest Kodiak District													
	2-Aug	8	8	10	119	3,810	19,859	66	514	23,608	76,789	85	756
	3-Aug	13	13	10	167	8,594	53,500	220	2,051	52,074	184,667	273	2,228
	4-Aug	11	11	20	361	10,861	53,187	447	2,943	50,814	176,626	186	1,475
	5-Aug	5	5	7	104	3,298	15,042	178	1,100	12,933	46,166	128	1,060
	6-Aug	16	16	42	632	11,419	67,637	996	7,086	61,180	216,912	1,147	9,011
	7-Aug	9	9	15	222	6,330	36,540	526	4,429	37,374	135,090	591	4,987
	8-Aug	11	11	15	169	7,799	39,254	725	5,390	37,371	140,424	304	2,368
	11-Aug	7	7	3	64	3,601	22,152	293	2,084	16,263	58,475	52	426

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Management Unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
remainder of Southwest Kodiak District (cont.)	12-Aug	12	12	16	238	7,240	42,372	383	3,576	27,173	100,621	139	1,198
	13-Aug	3	3	2	26	1,201	8,062	147	1,118	6,594	25,296	90	703
	14-Aug	11	11	30	462	6,659	40,196	542	5,249	32,176	104,495	114	1,022
	15-Aug	14	14	19	305	8,829	50,488	1,257	8,649	42,817	144,994	228	1,844
	19-Aug	3	3	0	0	2,476	13,770	251	1,710	3,340	12,527	77	635
	20-Aug	42	47	7	161	55,937	344,799	4,019	35,576	143,084	479,366	534	4,685
	21-Aug	15	15	9	162	12,763	74,608	4,776	32,097	23,143	77,915	194	1,561
	22-Aug	14	14	6	94	5,085	27,131	1,175	8,963	3,347	12,887	101	854
Total		55	199	211	3,286	155,902	908,597	16,001	122,535	573,291	1,993,250	4,243	34,813
Average weight					15.6		5.8		7.7		3.5		8.2
Grand Total		112	1,105	11,204	80,815	348,070	1,942,012	62,274	490,617	2,766,775	9,881,384	151,985	1,303,703
Average weight					7.2		5.6		7.9		3.6		8.6

Note: The Westside Kodiak Management Plan commercial harvest includes the Southwest Afognak Section, the Northwest Kodiak District (except for the Spiridon Bay Special Harvest Area), and the Southwest Kodiak District. Confid=Confidential

Appendix E6.-Set gillnet salmon harvest, by species for Westside Management Plan units, 2008.

Management Unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Northwest Kodiak District	5-Jun	13	13	38	375	840	4,439	0	0	1	4	16	113
	6-Jun	41	59	109	1,044	6,945	39,243	0	0	23	81	206	1,461
	7-Jun	43	51	111	1,410	8,965	50,442	0	0	52	212	221	1,593
	8-Jun	38	43	101	1,014	8,774	48,643	0	0	61	241	265	1,901
	9-Jun	33	42	88	860	6,434	36,139	0	0	45	174	234	1,758
	10-Jun	35	35	91	890	6,145	34,788	0	0	78	332	273	1,904
	11-Jun	38	41	46	494	4,504	25,031	0	0	48	191	120	868
	12-Jun	44	56	130	1,253	7,165	40,444	1	7	97	414	202	1,453
	21-Jun	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid
	22-Jun	27	30	89	728	7,771	45,141	2	13	565	2,199	334	2,316
	23-Jun	55	75	221	1,793	14,586	84,679	2	14	1,260	5,005	598	4,426
	6-Jul	35	36	5	38	8,827	52,312	4	27	2,781	10,686	1,302	10,924
	7-Jul	53	56	33	289	15,133	90,054	27	186	5,687	22,785	2,218	18,324
	8-Jul	50	63	20	259	13,658	81,075	138	1,076	6,290	26,727	1,829	15,381
	12-Jul	36	37	12	160	6,172	36,895	91	676	6,812	27,046	1,069	10,051
	13-Jul	51	55	12	103	14,101	83,230	180	1,291	11,833	48,179	2,114	19,719
	14-Jul	54	68	15	160	10,902	65,874	276	1,791	11,748	48,281	2,254	19,455
	18-Jul	38	40	5	42	8,541	50,547	196	1,234	15,890	61,791	1,849	17,230
	19-Jul	54	67	24	293	15,392	92,033	340	2,310	25,909	103,412	3,941	32,674
	20-Jul	57	79	26	210	12,948	78,300	737	4,820	29,808	119,803	5,172	41,770
	24-Jul	33	38	7	111	6,146	37,022	194	1,412	19,980	78,645	2,800	25,462
	25-Jul	58	67	11	120	10,339	62,788	579	4,033	45,845	182,519	4,663	41,306
	26-Jul	57	81	13	200	8,030	48,298	782	5,793	53,778	216,926	4,651	39,420
	27-Jul	54	65	23	230	5,827	34,614	378	2,759	38,051	151,313	3,236	27,709
	28-Jul	56	61	29	306	4,035	24,129	609	4,259	31,879	126,630	2,719	23,323
	29-Jul	58	70	43	444	5,294	31,493	724	4,812	42,189	165,268	3,043	26,288
	30-Jul	59	76	21	170	5,569	30,429	514	3,846	42,988	164,954	2,872	23,712
	2-Aug	35	40	22	241	2,362	14,087	407	2,911	27,551	109,090	1,355	12,268
	3-Aug	54	65	49	476	3,784	22,743	760	5,361	45,144	177,236	2,532	21,237
	4-Aug	49	52	68	591	2,661	15,862	861	6,384	32,956	129,082	2,194	19,449
	5-Aug	51	53	163	1,442	2,614	15,766	954	6,975	32,181	128,876	1,824	16,339

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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	52	71	57	562	3,242	19,162	1,497	10,810	38,478	148,577	2,179	18,428
	11-Aug	40	47	14	162	2,966	17,901	1,676	12,441	44,407	169,908	1,808	15,180
	12-Aug	46	53	33	347	3,827	22,900	1,798	13,933	52,500	207,643	1,692	14,147
	13-Aug	45	55	46	420	3,834	23,101	1,424	10,732	53,855	214,589	2,235	17,761
	14-Aug	52	62	42	348	3,572	21,158	1,574	12,174	46,460	183,860	1,913	15,998
	15-Aug	48	58	16	130	3,268	19,173	1,161	8,900	34,022	136,740	1,442	11,822
	18-Aug	8	8	1	3	555	3,339	66	539	3,337	13,300	65	479
	19-Aug	42	54	15	136	3,129	19,016	1,377	10,707	34,427	134,321	838	6,894
	20-Aug	48	57	23	271	3,800	22,509	1,604	12,683	33,408	129,465	896	7,195
	21-Aug	43	49	25	229	5,649	33,133	1,690	13,494	39,363	153,786	868	6,943
	22-Aug	43	53	15	146	6,209	35,620	2,025	16,210	33,970	133,361	935	7,629
	29-Aug	30	35	1	12	4,779	27,647	1,724	13,460	7,636	30,595	204	1,652
	30-Aug	39	50	4	27	5,374	31,371	2,793	23,954	9,743	39,038	377	3,096
	31-Aug	14	14	2	39	1,289	7,763	717	6,035	2,256	8,893	110	805
Total		87	2,281	1,920	18,596	285,959	1,680,345	29,882	228,062	965,392	3,812,178	71,668	607,863
Average weight					9.7		5.9		7.6		3.9		8.5

Note: Confid=Confidential.

**APPENDIX F. NORTH SHELIKOF STRAIT SOCKEYE
SALMON FISHERY SUMMARY**

INTRODUCTION

In 1988 there was a significant harvest of large (greater than 6 pound) sockeye salmon in management units bordering the northern portion of Shelikof Strait (Appendix F2). Analysis of average weights, salmon ages (determined from scale analysis), 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, nontraditional harvest pattern. In 1990 the North Shelikof Strait Sockeye Salmon Management Plan (NSSSSMP; 5AAC 18.363) was adopted into regulation.

The NSSSSMP limits purse seine fishing opportunities in those sections of the KMA which border 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 cape¹. The seaward zone of the Southwest Afognak Unit closes to fishing if 50,000 sockeye salmon are harvested from July 6 through July 25. The seaward zone of the North Shelikof 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.

In the eighteen years the NSSSSMP has been in effect the North Shelikof Units have had seaward zone closures every year except 1991, 2000, and 2008 (Appendix F3). The Southwest Afognak Unit seaward zone closures have occurred 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 baseline running cape to cape, in order to allow for traditional harvest opportunities of pink salmon. In 2008, the seaward zone boundary of that portion of the Northwest Shelikof unit in the Northwest Afognak Section was moved ½ mile offshore of the baseline running cape to cape in order to allow for traditional harvest opportunities for pink salmon.

2008 Summary

In 2008, during the July 6 to 25 period of the NSSSSMP, four fishing periods were scheduled preseason in the Southwest Afognak Section and the North Shelikof management units of 57 hours in length (Wadle et al. 2008). For that portion of the units on Afognak Island, this was shorter than normal because of the expectation of a weak pink salmon run (Nelson et al. 2008).

First Fishing Period (July 6 to 8)

Commercial salmon fishing was slow during the first fishing period both because of low effort and low abundance of fish. Only four permit holders made landings in the North Shelikof Management units and harvested 11 Chinook, 618 sockeye, 7 coho, 2,341 pink and 2,196 chum salmon (Appendix F5).

Commercial salmon fishing effort was even lower in the Southwest Afognak Section with 3 permit holders harvesting 651 Chinook, 1,236 sockeye, 0 coho, 2,201 pink, and 1,132 chum salmon in the first period (Appendix F6).

Second Fishing Period (July 12 to 14)

Undoubtedly the lack of success in the first period contributed to the low effort in the second period. Less than 3 permit holders fished in the North Shelikof Management units during the second period and their harvest is confidential. (Appendix F5).

During the second period in the Southwest Afognak units, fishing effort increased and 14 permit holders harvested 895 Chinook, 5,291 sockeye, 176 coho, 27,070 pink and 3,105 chum salmon (Appendix F6).

Third Fishing Period (July 18 to 20)

By this period it was evident that sockeye salmon abundance in this fishery was low. Harvest effort continued to be low. During this period, less than 3 permit holders fished in the North Shelikof units, and their harvest information was confidential (Appendix F5).

During this period, 15 vessels fished the Southwest Afognak unit as harvest opportunities elsewhere were decreasing. Although it was apparent the harvest cap would not be reached, the low pink forecast and apparent low abundance of pink salmon resulted in this short opening not being extended. The salmon harvest in the Southwest Afognak unit for the third fishing period was 409 Chinook, 9,366 sockeye, 902 coho, 52,199 pink, and 5,868 chum salmon (Appendix F6).

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Fourth Fishing Period (July 24 to 25)

During this last fishing period, there were less than 3 permit holders fishing in the North Shelikof Unit and their catch information was confidential. Abundance and harvest of all salmon species continued to be low. In the Southwest Afognak Unit, 5 permit holders harvested 150 Chinook, 1,323 sockeye, 486 coho, 18,453 pink and 1,622 chum salmon.

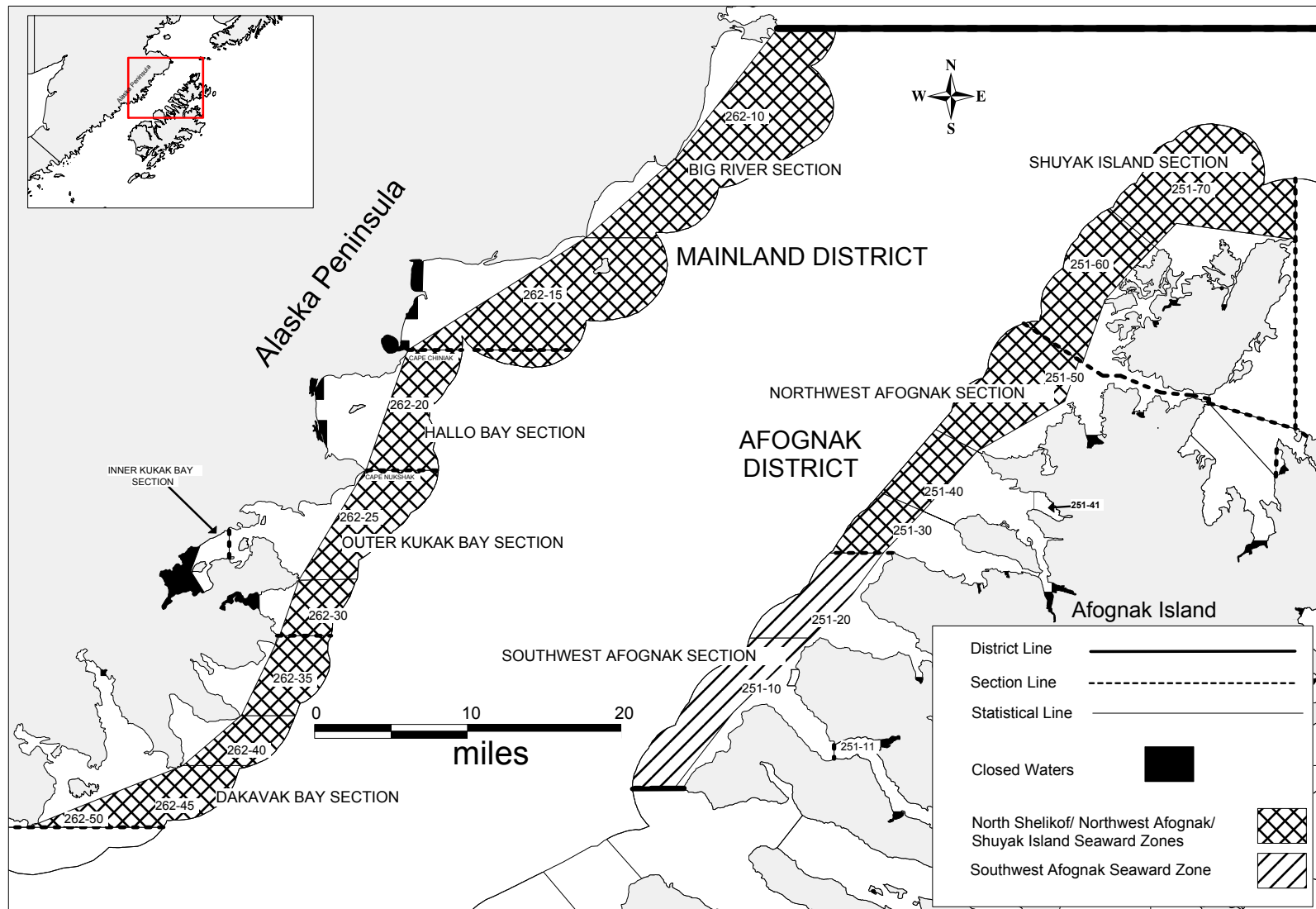
The 2008 North Shelikof Unit harvest for the July 6 through July 25 period totaled 175 Chinook, 5,227 sockeye, 512 coho, 18,924 pink, and 5,082 chum salmon, with 7 vessels participating (Appendix F3). The average weight of the sockeye salmon harvested in the North Shelikof Unit was 5.3 pounds (Appendices F3 and F5).

The 2008 Southwest Afognak Unit harvest for the time period July 6 through July 25 totaled 2,105 Chinook, 17,216 sockeye, 1,564 coho, 99,923 pink, and 11,727 chum salmon, with 22 vessels participating (Appendices F4 and F6). The average weight of the sockeye salmon harvested in the Southwest Afognak Unit was 5.5 pounds (Appendix F6).

This was the first year since 2000 when seaward zones of both the North Shelikof and the South west Afognak units were not closed as sockeye salmon harvest was so small that neither trigger was reached.

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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 units (15,000 sockeye salmon harvest trigger) of the Kodiak Management Area, 1991-2008.

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	6.3	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

Note: In 1988, the Upper Cook Inlet sockeye salmon run was very strong; the Upper Cook Inlet commercial harvest was approximately 6,800,000 sockeye salmon. In the Kodiak Area, within the North Shelikof Units 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 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, 1991-2008.

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					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

Note: In 1988, the Upper Cook Inlet sockeye salmon run was very strong; the Upper Cook Inlet commercial harvest was approximately 6,800,000 sockeye salmon. In the Kodiak Area, within the North Shelikof Units 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 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, 2008.

Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
First Period (July 6-July 8)												
6-Jul	3	3	8	84	338	1,825	6	57	1,623	3,790	1,669	14,221
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
Total	4	4	11	106	618	3,113	7	64	2,341	6,232	2,196	18,336
Avg. Wt.				9.6		5.0		9.1		2.7		8.3
Second Period (July 12-14)												
12-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	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
Third Period (July 18-20)												
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	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
Fourth Period (July 24-25)												
24-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
25-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
<u>North Shelikof Management Harvest July 6-25</u>												
Total	7	11	175	1,537	5,227	27,575	512	3,472	18,924	65,979	5,082	43,270
Avg. Wt.				8.8		5.3		6.8		3.5		8.5

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, 2008.

Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
First Period (July 6-8)												
6-Jul	0	0	0	0	0	0	0	0	0	0	0	0
7-Jul	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid
8-Jul	3	3	651	3,773	1,154	5,679	0	0	2,111	8,505	1,007	6,714
Total	3	4	651	3,773	1,236	6,079	0	0	2,201	8,865	1,132	7,464
Avg. Wt.				5.8		4.9				4.0		6.6
Second Period (July 12-14)												
12-Jul	9	9	503	3,847	2,315	13,238	58	424	13,098	48,542	1,178	10,432
13-Jul	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid
14-Jul	10	10	334	3,766	2,763	16,127	106	806	12,356	44,393	1,777	14,209
Total	14	20	895	7,952	5,291	30,854	176	1,314	27,070	99,401	3,105	25,842
Avg. Wt.				8.9		5.8		7.5		3.7		8.3
Third Period (July 18-20)												
18-Jul	11	11	253	1,910	6,048	33,656	420	3,014	27,422	96,821	3,032	27,313
19-Jul	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid
20-Jul	12	12	156	1,291	3,096	16,767	482	3,593	23,991	77,282	2,702	22,752
Total	15	24	409	3,201	9,366	51,533	902	6,607	52,199	177,247	5,868	51,137
Avg. Wt.				7.8		5.5		7.3		3.4		8.7
Fourth Period (July 24-25)												
24-Jul	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid
25-Jul	5	5	150	1,441	1,117	5,596	439	3,969	17,468	43,692	1,282	10,266
Total	5	6	150	1,441	1,323	6,626	486	4,398	18,453	46,156	1,622	12,993
Avg. Wt.				9.6		5.0		9.0		2.5		8.0
Season												
Total	22	54	2,105	16,367	17,216	95,092	1,564	12,319	99,923	331,669	11,727	97,436
Avg. Wt.				7.8		5.5		7.9		3.3		8.3

Note: Confid=Confidential

APPENDIX G. EASTSIDE AFOGNAK FISHERY SUMMARY

INTRODUCTION

In 1990 the Alaska Board of Fisheries (BOF) adopted the Eastside Afognak Management Plan (5AAC 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 KMA commercial fishery managers and the Kitoi Bay Hatchery manager. This hatchery, on the eastside of Afognak Island, (Appendix G2) produces significant returns of pink, chum, and coho salmon. The goal of this plan is to achieve escapement and harvest objectives for salmon stocks of the Raspberry Straits, Southeast Afognak, Duck Bay, Izhut Bay, and Kitoi Bay sections, and 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.

2008 Eastside Afognak Fishery

Management of the Southeast Afognak Section was based on local salmon runs. Fisheries could 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 et al. 2008). Small returns of sockeye salmon to Afognak Lake resulted in no directed sockeye salmon harvest in 2008. However, 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 2008 sockeye salmon escapement into Afognak Lake was 26,874 fish (Caldentey 2009), within the escapement goal range of 20,000 to 50,000 fish (Honold 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 on July 24 for a week followed by 4 short fishing periods throughout August. Thirty two permit holders harvested 8 Chinook, 1,742 sockeye, 5,600 coho, 204,693 pink, and 366 chum salmon (Appendix G3).

The commercial salmon fishery targeting Kitoi Bay Hatchery fish began on June 5 with the last delivery occurring on September 14. In fisheries targeting the Kitoi Bay hatchery return, which include the Duck Bay, Izhut Bay, Inner Kitoi and Outer Kitoi Bay sections, 103 permit holders harvested 1,278 Chinook 66,318 sockeye, 120,366 coho, 2,118,392 pink, and 93,025 chum salmon (Appendix G3). The hatchery coho, pink and chum salmon harvests were below harvest forecasts (Nelson et al. 2008) but the sockeye 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 KRAA. The cost recovery fishery took approximately 1.7 million pink salmon (6.9 million pounds), about 80% of the Kitoi Bay Hatchery pink salmon 2008 harvest. This year, 717 chum and 4,275 sockeye 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, 2008.

Appendix B: Daily Summary Data, by Species, for the Management Unit of the Southeast Afognak Unit, 2008													
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													
3-Aug	3-Aug	3	3	0	0	77	412 0	82	602	18,644	64,445	59	534
4-Aug	4-Aug	5	5	2	53	105	614 0	130	1,000	26,326	103,495	112	980
11-Aug	11-Aug	10	10	3	54	135	774 0	842	6,958	64,681	249,292	57	474
12-Aug	12-Aug	13	18	1	2	57	278 0	764	6,378	46,027	177,750	72	551
18-Aug	18-Aug	8	9	0	0	47	239 0	528	4,477	18,227	73,621	28	237
19-Aug	19-Aug	6	6	2	40	13	69 0	745	6,951	17,886	56,262	18	134
20-Aug	20-Aug	6	7	0	0	1,308	7,037 0	371	2,815	12,267	48,041	14	105
26-Aug	26-Aug	4	4	0	0	0	0 0	2,138	21,320	635	1,751	6	41
Total		32	62	8	149	1,742	9,423	5,600	50,501	204,693	774,657	366	3,056
Average weight					18.6		5.4		9.0		3.8		8.3
Izhut Bay Section 252-30													
10-Jun	10-Jun	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid
16-Jun	16-Jun	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid
17-Jun	17-Jun	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid
18-Jun	18-Jun	3	3	44	556	124	597	0	0	4	12	1,292	9,580
19-Jun	19-Jun	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid
20-Jun	20-Jun	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid
22-Jun	22-Jun	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid
23-Jun	23-Jun	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid
24-Jun	24-Jun	3	3	5	150	125	730	0	0	51	154	924	7,793
26-Jun	26-Jun	7	7	5	25	1,141	6,840	0	0	558	2,256	4,241	30,947
27-Jun	27-Jun	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid
28-Jun	28-Jun	8	8	16	124	1,218	6,272	1	8	264	927	8,097	51,079
29-Jun	29-Jun	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid
30-Jun	30-Jun	10	10	19	156	1,078	5,651	8	52	475	1,797	6,040	44,204
1-Jul	1-Jul	4	4	6	92	1,261	5,748	2	11	404	1,693	3,045	23,030
22-Jul	22-Jul	3	3	1	30	679	3,702	260	1,832	3,233	11,142	192	1,724
23-Jul	23-Jul	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid

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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													
(continued)	24-Jul	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid
	26-Jul	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid
	24-Aug	54	54	0	0	70	318	30,962	263,862	48,231	169,362	14	93
	25-Aug	22	23	0	0	45	209	10,513	92,917	17,390	62,789	14	121
	26-Aug	21	22	0	0	17	87	4,703	43,036	11,186	32,371	24	184
	27-Aug	15	15	0	0	27	123	3,875	32,172	6,125	22,371	575	4,592
	28-Aug	15	16	0	0	10	47	5,066	45,576	4,178	13,215	0	0
	29-Aug	8	8	0	0	0	0	3,374	26,427	4,011	13,882	0	0
	30-Aug	9	9	0	0	1	5	2,086	17,385	1,527	5,550	0	0
	31-Aug	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid
	1-Sep	5	5	0	0	46	233	4,374	39,075	5,212	17,109	12	87
	2-Sep	5	5	0	0	7	34	2,929	26,226	997	3,378	0	0
	3-Sep	5	5	0	0	4	20	2,026	17,923	436	1,442	0	0
	4-Sep	11	11	0	0	0	0	1,798	15,950	1,190	4,005	0	0
	5-Sep	5	5	0	0	0	0	1,458	10,917	402	1,385	0	0
	6-Sep	5	5	0	0	1	3	1,397	12,524	358	1,176	0	0
	7-Sep	4	4	0	0	1	4	1,154	9,563	330	1,067	0	0
	8-Sep	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid
	9-Sep	5	6	0	0	0	0	2,257	20,255	382	1,088	0	0
	10-Sep	3	3	0	0	1	8	623	4,790	97	327	0	0
	11-Sep	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid
	12-Sep	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid
	13-Sep	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid
	14-Sep	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid
Total		82	260	223	2,308	7,369	38,145	81,481	702,169	115,279	399,615	32,631	235,240
Average weight					10.3		5.2		8.6		3.5		7.2
Duck Bay Section													
252-31 & 35	15-Jun	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid
	18-Jun	4	4	14	207	2,669	12,904	0	0	879	2,963	2,113	16,218
	19-Jun	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid
	20-Jun	6	6	26	239	1,800	9,139	0	0	522	1,770	2,859	22,153
	21-Jun	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid
	22-Jun	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid
	23-Jun	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid
	24-Jun	7	7	253	1,713	1,885	9,777	3	35	1,224	4,200	3,678	31,475
	25-Jun	3	3	5	41	1,180	6,062	0	0	488	1,688	1,454	10,763
	26-Jun	4	4	10	97	3,224	17,257	1	6	1,732	6,865	2,448	19,494

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Management				Chinook		Sockeye		Coho		Pink		Chum	
Unit	Date	Permits	Landings	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Duck Bay Section													
(continued)	27-Jun	10	10	66	390	6,625	34,882 0	30	196	3,844	15,186	5,554	42,028
	28-Jun	7	7	15	82	1,734	9,646 0	16	99	887	3,438	1,398	10,093
	29-Jun	7	7	46	266	2,455	13,453 0	21	173	1,266	4,853	1,297	9,823
	30-Jun	5	5	14	62	1,351	7,335 0	13	95	893	3,163	385	3,046
	1-Jul	5	5	2	18	334	1,642 0	2	9	255	851	790	6,061
	2-Jul	Confid	Confid d	Confid	Confid l	Confid	Confid id	Confid	Confid d	Confid	Confid d	Confid	Confid
	3-Jul	Confid	Confid d	Confid	Confid l	Confid	Confid id	Confid	Confid d	Confid	Confid d	Confid	Confid
	16-Jul	3	3	30	195	1,320	6,907 0	169	1,220	3,833	14,396	873	7,248
	17-Jul	Confid	Confid d	Confid	Confid l	Confid	Confid id	Confid	Confid d	Confid	Confid d	Confid	Confid
	18-Jul	Confid	Confid d	Confid	Confid l	Confid	Confid id	Confid	Confid d	Confid	Confid d	Confid	Confid
	19-Jul	Confid	Confid d	Confid	Confid l	Confid	Confid id	Confid	Confid d	Confid	Confid d	Confid	Confid
	20-Jul	4	4	6	50	1,939	10,428 0	204	1,382	12,418	46,656	767	5,856
	21-Jul	8	8	12	100	2,342	12,350 0	488	3,764	16,589	60,834	1,245	10,539
	22-Jul	9	9	1	10	1,519	7,827 0	1,901	9,297	11,859	45,827	806	6,458
	23-Jul	6	6	0	0	1,125	6,259 0	495	3,860	11,826	44,331	666	4,852
	24-Jul	7	8	18	87	2,266	11,813 0	1,761	14,127	35,252	134,974	1,419	11,876
	25-Jul	6	6	0	0	1,505	8,463 0	821	7,389	27,480	102,455	896	8,100
	26-Jul	13	13	10	161	1,956	10,792 0	1,006	7,360	36,784	138,679	1,086	9,240
	27-Jul	10	11	11	154	1,287	7,239 0	765	5,245	26,854	103,864	527	4,040
	28-Jul	8	8	59	422	871	4,270 0	400	2,847	19,716	76,097	503	3,963
	29-Jul	7	7	5	63	401	2,084 0	214	1,527	16,319	61,930	244	1,867
	24-Aug	12	12	0	0	115	587 0	3,917	33,587	16,178	55,946	433	4,657
	25-Aug	10	10	0	0	31	160 0	3,430	26,907	12,531	41,412	16	95
	26-Aug	11	11	0	0	90	478 0	3,822	28,201	10,893	36,253	22	149
	27-Aug	7	7	0	0	25	125 0	2,187	18,129	4,777	16,053	5	34
	28-Aug	6	6	0	0	21	92 0	2,684	22,105	5,459	18,580	2	14
	29-Aug	Confid	Confid d	Confid	Confid l	Confid	Confid id	Confid	Confid d	Confid	Confid d	Confid	Confid
	30-Aug	6	6	0	0	25	128 0	2,430	21,131	2,564	9,436	9	81
	31-Aug	Confid	Confid d	Confid	Confid l	Confid	Confid id	Confid	Confid d	Confid	Confid d	Confid	Confid
	2-Sep	3	3	0	0	8	32 0	1,932	17,752	969	3,101	4	42
	3-Sep	4	4	0	0	37	185 0	2,370	20,844	1,086	4,272	7	70
	5-Sep	3	3	0	0	0	0 0	679	4,961	460	1,617	0	0
Total		66	226	829	5,716	51,491	271,982	34,000	268,345	307,173	1,144,691	39,461	311,337
Average weight					6.9		5.3		7.9		3.7		7.9

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Management Unit				Chinook		Sockeye		Coho		Pink		Chum	
Unit	Date	Permits	Landings	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Inner & Outer Kitoi Bay Sections													
	9-Jun	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid
	11-Jun	3	3	73	448	147	651	0	0	36	120	884	7,468
	13-Jun	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid
	14-Jun	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid
	15-Jun	3	3	63	697	90	508	0	0	7	27	2,952	23,359
	18-Jun	4	4	13	226	207	1,076	0	0	20	60	1,682	13,608
	19-Jun	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid
	20-Jun	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid
	21-Jun	3	3	1	20	34	171	0	0	2	8	1,317	10,332
	22-Jun	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid
	23-Jun	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid
	25-Jun	5	5	3	18	802	4,143	0	0	585	3,113	4,546	36,399
	26-Jun	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid
	2-Aug	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid
	3-Aug	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid
	4-Aug	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid
	5-Aug	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid
	6-Aug	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid
	7-Aug	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid
	8-Aug	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid
	9-Aug	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid
	10-Aug	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid
	11-Aug	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid
	12-Aug	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid
	13-Aug	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid
	14-Aug	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid
	15-Aug	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid
	16-Aug	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid
	18-Aug	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid
	19-Aug	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid
	20-Aug	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid
	21-Aug	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid
	22-Aug	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid
	23-Aug	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid
	6-Sep	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid	Confid
Total		22	65	226	2,169	7,458	35,795	4,885	37,983	1,695,940	6,960,813	20,933	167,086
Average weight					9.6		4.8		7.8		4.1		8.0

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Management Unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Management Units Targeting Kitoi Hatchery (Inner & Outer Kitoi, Izhut and Duck Bay Sections)													
Subtotal		103	546	1,278	10,193	66,318	345,922	120,366	1,008,497	2,118,392	8,505,119	93,025	713,663
Avg.Wt.					8.0		5.2		8.4		4.0		7.7
East Afognak Management Units													
Grand Total		104	608	1,286	10,342	68,060	355,345	125,966	1,058,998	2,323,085	9,279,776	93,391	716,719
Average weight					8.0		5.2		8.4		4.0		7.7

Note: Confid=Confidential

APPENDIX H. SPIRIDON BAY SPECIAL HARVEST AREA FISHERY SUMMARY

INTRODUCTION

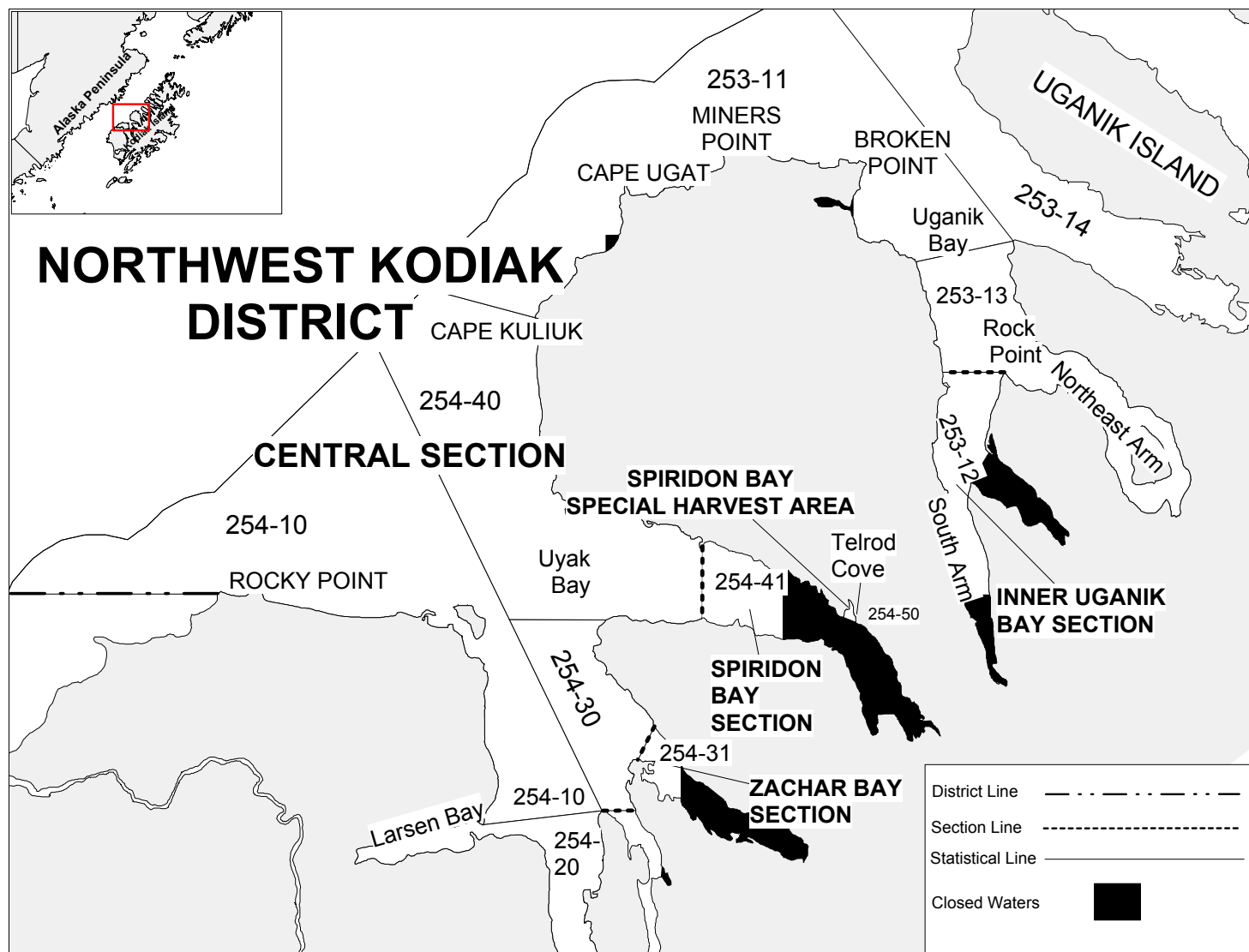
Adult sockeye salmon, resulting from juvenile stocking of Spiridon Lake, return each year to Telrod Cove in Spiridon Bay (Appendix H2). Some of these fish are harvested in Westside Kodiak commercial fisheries and the remainder are harvested in a terminal fishery in the Spiridon Bay Special Harvest Area (SBSHA) in Telrod Cove. Sockeye salmon stocked into Spiridon Lake in recent years originated from Saltery Lake. 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.

2008 Spiridon Bay Sockeye Salmon Fishery

A return of approximately 226,000 Spiridon Lake sockeye salmon was expected in 2008 (Nelson et al. 2008). On June 23, the SBSHA in Telrod Cove was opened until further notice to allow harvest of enhancement project sockeye salmon. Twenty seiners harvested 11 Chinook, 155,981 sockeye, 33 coho, 67,869 pink, and 7,742 chum salmon from the SBSHA (Appendix H3). Commercial fishing in the SBSHA was closed after the sockeye salmon run had subsided on August 13. In 2008, salmon purse seine and set gillnet permit holders had a reduced fishing schedule along the west side of Kodiak in traditional fishing areas during fisheries directed at west side pink, chum, and late-run Karluk sockeye salmon due to weak runs. Some Spiridon-bound sockeye salmon were harvested in those fisheries. The total contribution of sockeye salmon by the Spiridon enhancement project to the common property fishery was estimated based on analyses of samples of commercial catch from Uganik, Viekoda, And Uyak bays and Kupreanof Straits (Appendix H4). The total 2008 harvest of Spiridon enhancement project sockeye salmon was estimated at 244,000 fish, with approximately 64% (155,981) harvested within the SBSHA and 36% (88,019) harvested in the Southwest Afognak Section and Central and North Cape sections of the Northwest Kodiak District (Appendix H5). The proportion of fish harvested in the SBSHA was larger than normal due to the unusually small amount of fishing time allowed in the Westside fishery in June and July.

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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, 2008.

Management Unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Spiridon Bay SHA													
	23-Jun	11	11	10	89	18,313	109,472	0	0	92	363	15	126
	24-Jun	8	9	1	15	5,024	28,605	0	0	72	310	1	9
	25-Jun	9	9	0	0	2,137	14,222	0	0	37	182	3	27
	26-Jun	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	27-Jun	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	28-Jun	9	9	0	0	2,281	13,542	0	0	3	13	0	0
	29-Jun	10	10	0	0	2,545	14,744	0	0	4	14	2	16
	30-Jun	10	10	0	0	7,568	46,593	0	0	35	142	0	0
	1-Jul	12	12	0	0	7,532	48,737	0	0	41	150	3	28
	2-Jul	11	11	0	0	5,623	34,758	0	0	76	352	1	10
	3-Jul	12	12	0	0	5,705	34,992	0	0	125	530	4	42
	4-Jul	9	9	0	0	6,316	38,436	0	0	115	508	6	61
	5-Jul	7	7	0	0	5,086	31,429	0	0	113	504	6	74
	6-Jul	7	7	0	0	6,275	37,949	0	0	296	1,246	54	545
	7-Jul	8	9	0	0	6,846	40,612	0	0	628	2,379	121	1,095
	8-Jul	11	11	0	0	6,653	37,962	16	106	716	2,968	88	844
	9-Jul	8	8	0	0	3,476	20,519	0	0	156	701	11	101
	10-Jul	8	8	0	0	5,141	30,868	0	0	298	1,276	35	436
	11-Jul	9	10	0	0	5,580	30,952	0	0	316	1,206	34	358
	12-Jul	7	7	0	0	8,174	49,818	0	0	812	2,804	102	890
	13-Jul	5	5	0	0	2,926	17,425	0	0	264	1,090	46	501
	14-Jul	8	8	0	0	2,482	14,869	0	0	1,009	3,902	226	2,168
	15-Jul	3	3	0	0	799	4,554	0	0	310	1,293	67	704
	16-Jul	6	6	0	0	4,343	24,959	0	0	1,734	6,841	444	4,440
	17-Jul	8	8	0	0	4,885	27,779	0	0	3,928	13,811	396	3,780
	18-Jul	3	3	0	0	1,222	7,197	0	0	739	3,449	128	1,359
	19-Jul	6	6	0	0	4,084	23,972	0	0	2,701	10,204	644	5,780
	20-Jul	7	7	0	0	3,172	18,255	0	0	2,662	11,298	832	7,764
	21-Jul	5	5	0	0	1,538	9,214	3	23	3,087	12,357	584	6,312
	22-Jul	8	8	0	0	2,689	15,992	0	0	3,495	13,705	585	5,847
	23-Jul	7	7	0	0	2,491	13,726	0	0	4,908	19,823	1,052	8,275
	24-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	25-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	26-Jul	5	5	0	0	3,975	23,877	0	0	7,940	24,726	1,013	8,215
	27-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf

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Appendix H3.–Page 2 of 2.

Management Unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Spiridon Bay SHA (continued)	29-Jul	3	3	0	0	1,736	10,315	0	0	2,996	12,026	169	1,641
	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	4	4	0	0	868	5,320	0	0	5,530	19,499	216	2,654
	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	3	3	0	0	662	3,731	2	15	2,329	9,538	151	1,355
	6-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
	10-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
Total		20	268	11	104	155,981	930,001	33	251	67,869	257,559	7,742	72,175
Average weight					9		6				4		9

Note: Conf=Confidential



ALASKA DEPARTMENT OF FISH AND GAME

DIVISION OF COMMERCIAL FISHERIES

MEMORANDUM

TO:	Mark Witteveen Finfish Research Biologist Division of Commercial Fisheries Region IV - Kodiak	DATE:	January 16, 2009
		PHONE:	(907) 486-1857
		FAX:	(907) 486-1841
FROM:	Matthew B. Foster <i>MBF</i> Finfish Research Biologist Division of Commercial Fisheries Region IV - Kodiak	SUBJECT:	Spiridon SPA 2008

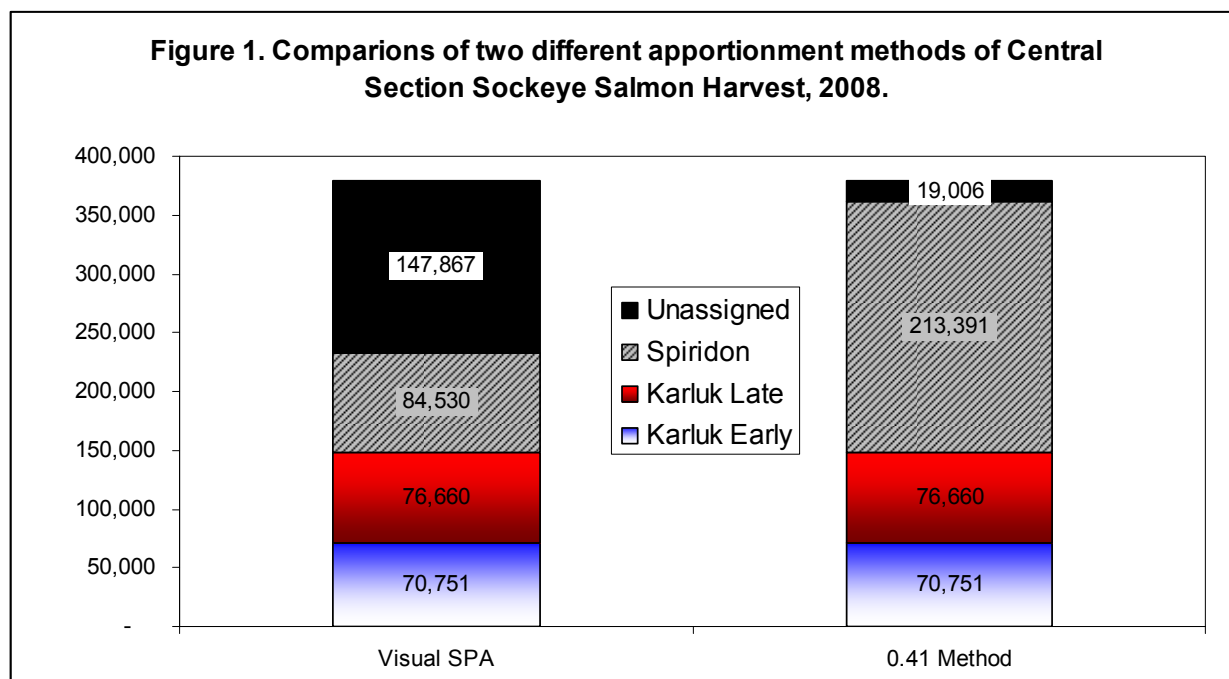
With the unusual Kodiak Management Area (KMA) Central Section commercial salmon fishing time, harvest, and low Karluk Lake sockeye abundance during the 2008 season, it was clear that the typical Spiridon run reconstruction method could not be used. I conducted a visual scale pattern analysis (SPA) of the Uyak and Uganik commercial sockeye scale samples. Over 5,000 individual scales from the commercial harvest were assessed for the presence of the unique Spiridon age-2.2 scale pattern. Results were compared to the stock separation SPA conducted from 1994-1997 (Nelson and Barrett 1994; Nelson and Swanton 1996; Nelson and Swanton 1997; Nelson 1999).

Since 1990, the Central Section commercial sockeye salmon harvest has averaged over one million fish. End of the season run reconstructions at both Karluk and Spiridon attempt to estimate the contribution of Karluk- or Spiridon-bound fish within the harvest. Since 1985, age-marker analysis (utilizing Karluk Lake's fairly unique age-3.x fish) has been conducted to estimate the contribution of Karluk sockeye salmon both early and late run (Barrett and Nelson 1995); contribution of Karluk sockeye salmon within the SW Kodiak District is also estimated but outside the scope of this brief analysis.

Using SPA, an average of 0.41 (ranging from 0.33 to 0.45) of Spiridon Lake-bound sockeye salmon were harvested in the SBSHA (Spiridon Bay special harvest area) from 1994 to 1997 (Nelson 1999). In lieu of formal stock separation analyses, from 1998 through 2007, the average (0.41) estimated proportion of Spiridon-bound harvest occurring in the SBSHA was used to calculate the number of Spiridon Lake sockeye salmon harvested in the SW Afognak Section and NW Kodiak District combined (Foster 2008). This catch estimate is combined with the SBSHA sockeye salmon catch to estimate the Spiridon Lake run. The enhanced run is fully utilized; therefore, there is no escapement. The age composition of the SBSHA commercial harvest samples are applied to the total Spiridon Lake run to estimate the run by age class.

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Using the typical application of 0.41 for the 2008 Spiridon run reconstruction would have resulted in an estimated Spiridon-bound harvest within the Central Section creating a highly unlikely scenario of abundance of remaining or “unassigned” sockeye salmon. More precisely defined, the typical application (0.41) would leave only about 19 thousand fish “unassigned” within the Central Section sockeye harvest of 380 thousand fish after subtraction of the Karluk-bound fish as well (Figure 1). Other salmon stocks known to be traveling through the Central Section and likely available to harvest but not quantified as such, would be Ayakulik, Upper Station, Frazer, Uganik, Litnik, Little River, Malina, Barabara, Upper Cook Inlet, Chignik etc. The results of the 2008 visual SPA on the Central Section commercial harvest samples resulted in an estimated Spiridon-bound Central Section harvest of about 85 thousand fish (as opposed to about 214 thousand fish using the 0.41 and resulting in more realistic total “unassigned” abundance of about 148 thousand fish (Figure 1).

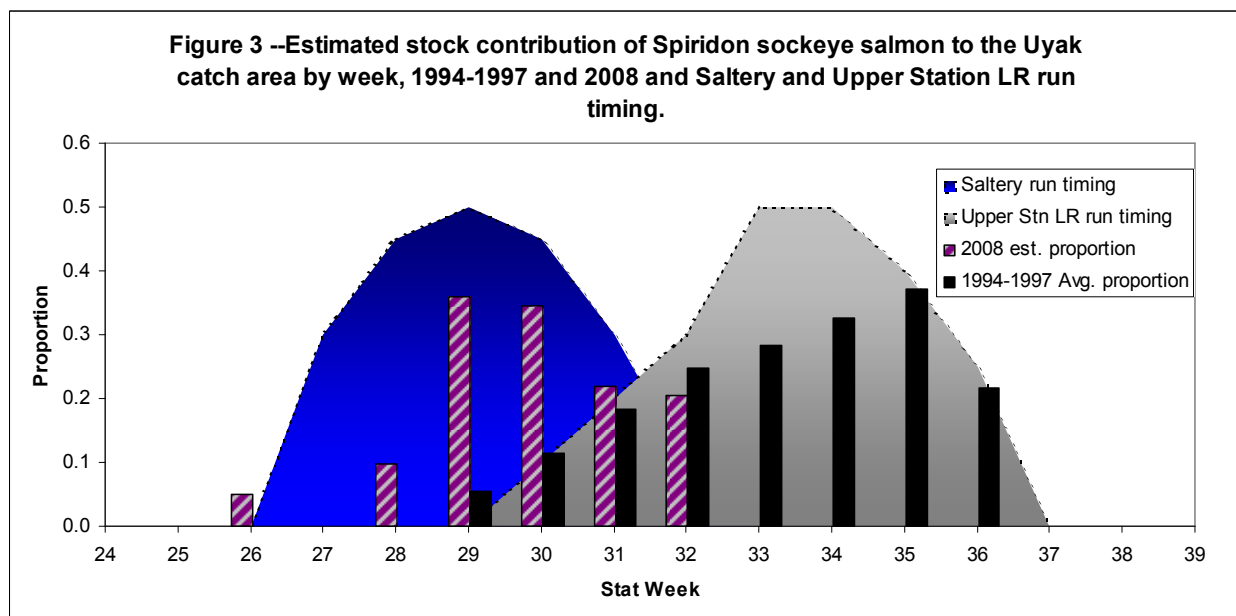
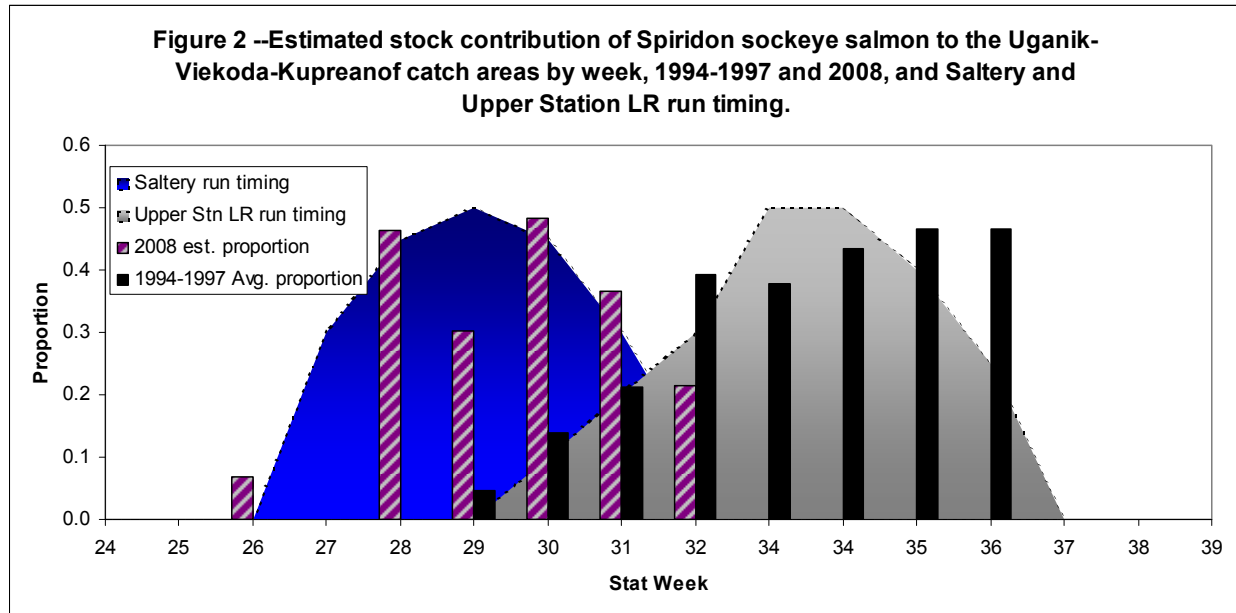


Note: For ease of explanation, SW Afognak harvest attributed to Spiridon is excluded.

A comparison of the 2008 SPA with the 1994-1997 SPA results highlight both similarities and differences between the very different timeframes (Figures 2-3). Primarily, the estimated percentage, by area, of Uganik-Viekoda-Kupreanof and the Uyak bays harvest are relatively similar between the two. Both analyses indicate that the Spiridon-bound sockeye salmon are in greater relative abundance as they travel through Uganik-Viekoda-Kupreanof bays and are of lesser relative abundance in the commercial harvest in Uyak Bay. A major difference between these timeframes is due to the broodstock used for Spiridon Lake enhancement; Upper Station late run broodstock was used primarily from 1990 to 1997 but since 1998 has exclusively originated from Saltery Lake. The obvious run timing differences are seen in the estimated harvest percentages and Saltery and Upper Station escapement timing generalizations are included in the figures for comparison (Figures 2-3). In 2008, Spiridon-bound fish were first identified in the harvest samples during late June, week 26, however no harvest occurred during the next week 27. By week 28 and the second week of July, Spiridon-bound fish were prevalent in the Uganik commercial

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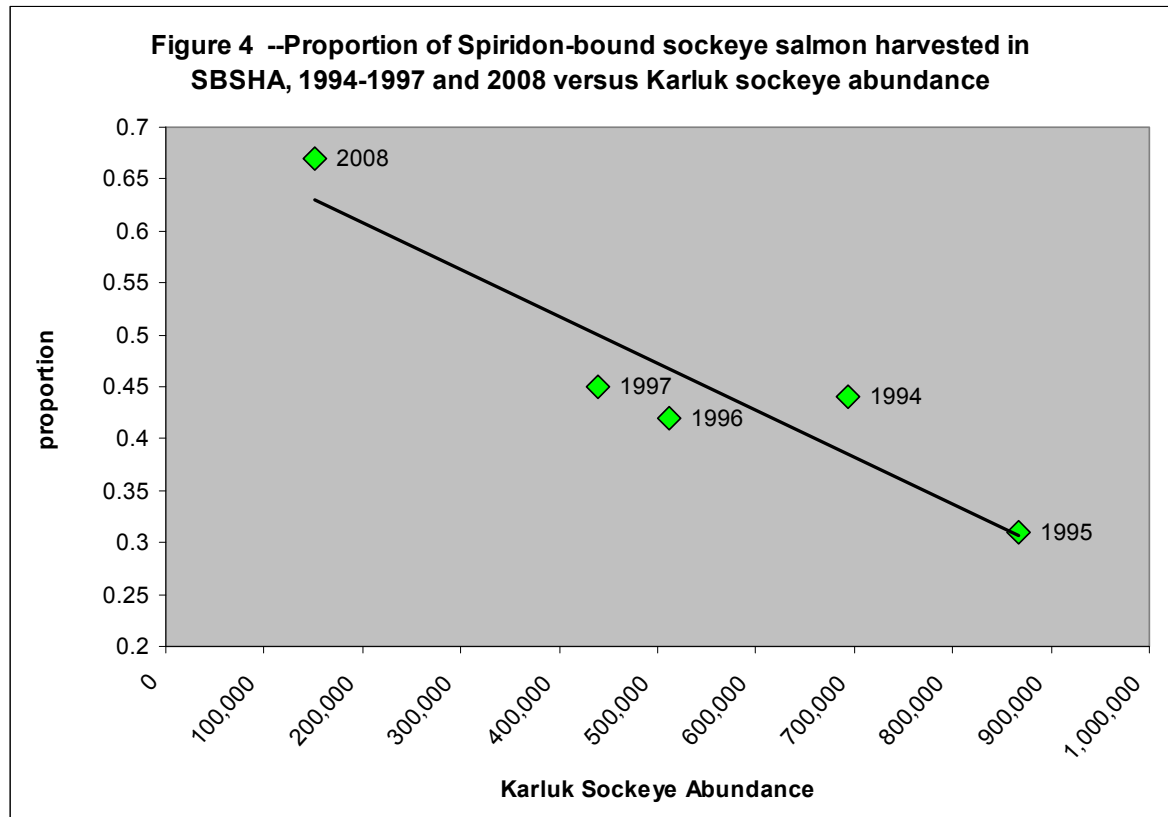
harvest areas and to a lesser extent in Uyak Bay and by the first week in August, the last of the Spiridon-bound fish were identified in the harvest.



Furthermore, the 2008 SPA resulted in an estimated proportion of Spiridon harvest occurring inside the SBSHA equaling 0.67; markedly different from previous years but occurring under a very different climate of stock abundance, fishing time, and run timing. This proportion is considerably higher than the average from 1994 to 1997 for numerous reasons but the driving force behind it and Central Section

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harvest is the low abundance of Karluk Lake sockeye salmon. Correlation between the Spiridon “proportion” and the abundance of Karluk sockeye salmon is strong (Figure 4). Due to difference in Spiridon run timing between 2008 and 1994-1997, the 2008 Karluk abundance is gauged by the Karluk early run and the 1994-1997 abundance is gauged by the Karluk late run. Regardless if the early, late, or combined Karluk sockeye abundance is used, this linkage is apparent and suggests that if SPA or another accurate method is not employed, that a sliding scale proportion (something likely between 0.3 and 0.7) be used to more accurately estimate the Spiridon-bound fish harvested in the Central Section.



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CC: Honnold, Wadle, Schrof, McCullough, Brennan, Baer

Appendix H5.—Estimated contribution to the commercial harvest of the sockeye salmon Spiridon Lake enhancement project, by locality, in the Kodiak Management Area, 2008.

	Actual	Estimated	
	Telrod Cove	Southwest Afognak Section and NW Kodiak District	Westside Total
Total	155,981	88,019	244,000
Percent	64%	36%	100%

APPENDIX I. EASTSIDE KODIAK FISHERY SUMMARY

INTRODUCTION

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

For the Northeast Kodiak District (Appendix I2), all sections are to remain closed to commercial salmon fishing until July 6, when the general pink salmon fishery begins for most of the KMA (Wadle et al. 2008). Fishing opportunities through August 24 are 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 may be allowed based on local pink salmon and Buskin River sockeye salmon. From August 25 to September 5, fishing periods are based on the abundance of local pink and coho salmon, and after September 5, on local coho salmon.

In the southern portion of the Eastside Kodiak District (Appendix I3), including the Seven Rivers, Two Headed, and Sitkalidak sections, not more than two 33-hour fishing periods may occur from June 14 to July 5, to harvest local and migrating sockeye salmon. The Inner Ugak Bay Section may not open for more than two 33-hour fishing periods from June 14 to June 21. From June 22 to July 5 fishing opportunities are 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. A weir is operated on the Buskin River for accurate escapement enumeration. Within the Inner Ugak Section of the Eastside Kodiak District, the Saltery Lake system produces a significant run of sockeye salmon. This year, for the first time since 2003, a weir was operated on this stream to enumerate sockeye salmon. Other minor sockeye salmon systems are present in the Eastside Kodiak District, including Pasagshak River, Lake Miam, and Ocean Beach system.

2008 Eastside Kodiak Fisheries

For the first time since 2003, Saltery River weir was operated by Kodiak Regional Aquaculture Association which allowed for increased precision in management of 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 River weir was 49,266 fish (Caldentey 2009) which is above the desired escapement goal range of 15,000 to 30,000 fish (Wadle et al. 2008) The Inner Ugak Section was first opened on June 14 then reopened on June 21 for two 33-hour periods in June. Fishing was again reopened on July 4 and on July 12 after which it remained open to almost continuous fishing until August 6, when the sockeye salmon run was over. Concern for weak pink and chum salmon runs in the area resulted in very limited fishing time after August 6.

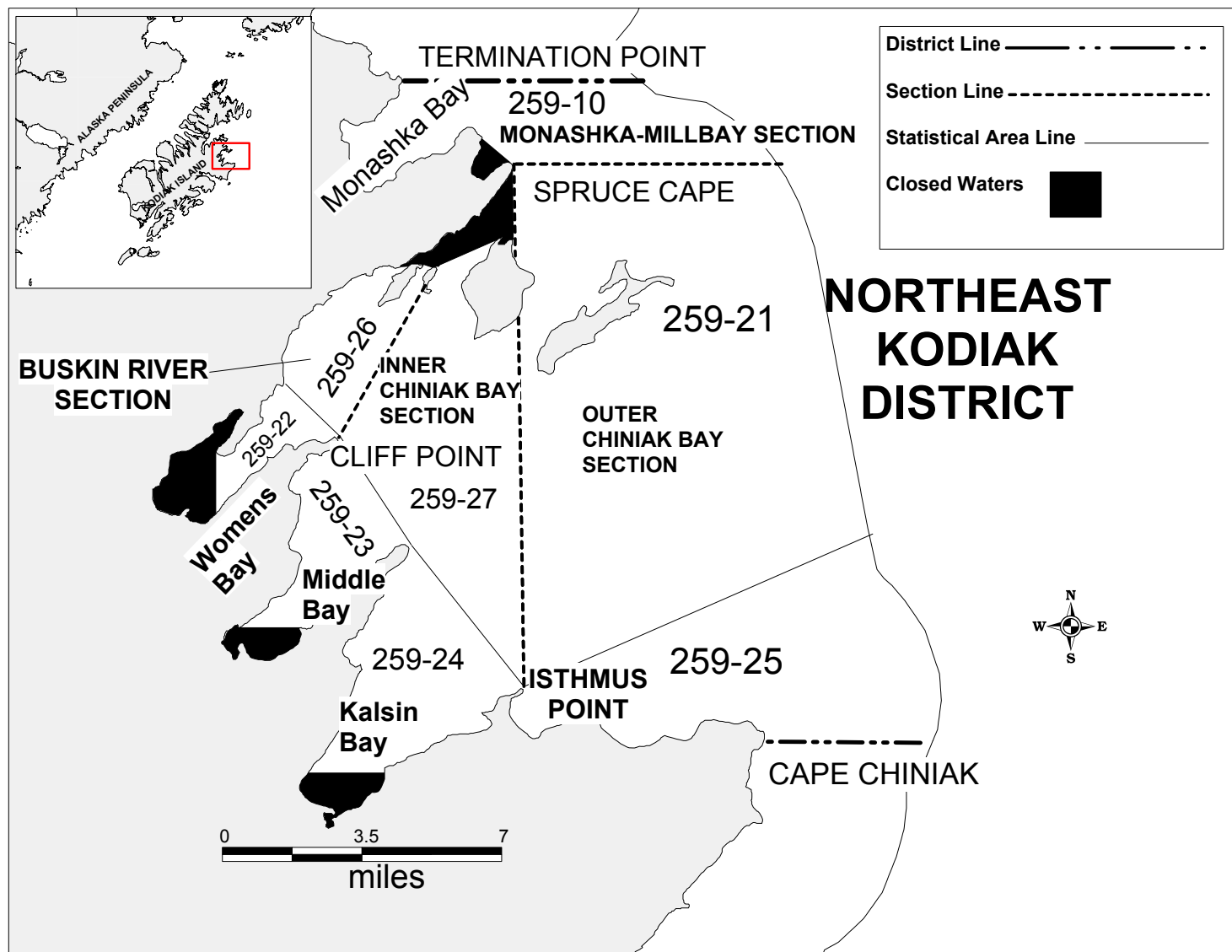
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The Buskin River had a weak run of sockeye salmon although the pink salmon run to this system had moderate strength. Although no commercial fishing was allowed in the Buskin River Section until August, and the subsistence fishery was closed on June 19 through July, the sockeye salmon escapement of 5,898 fish (Caldentey 2009) did not fall within the desired escapement goal range of 8,000 to 13,000 fish (Honnold et al. 2007).

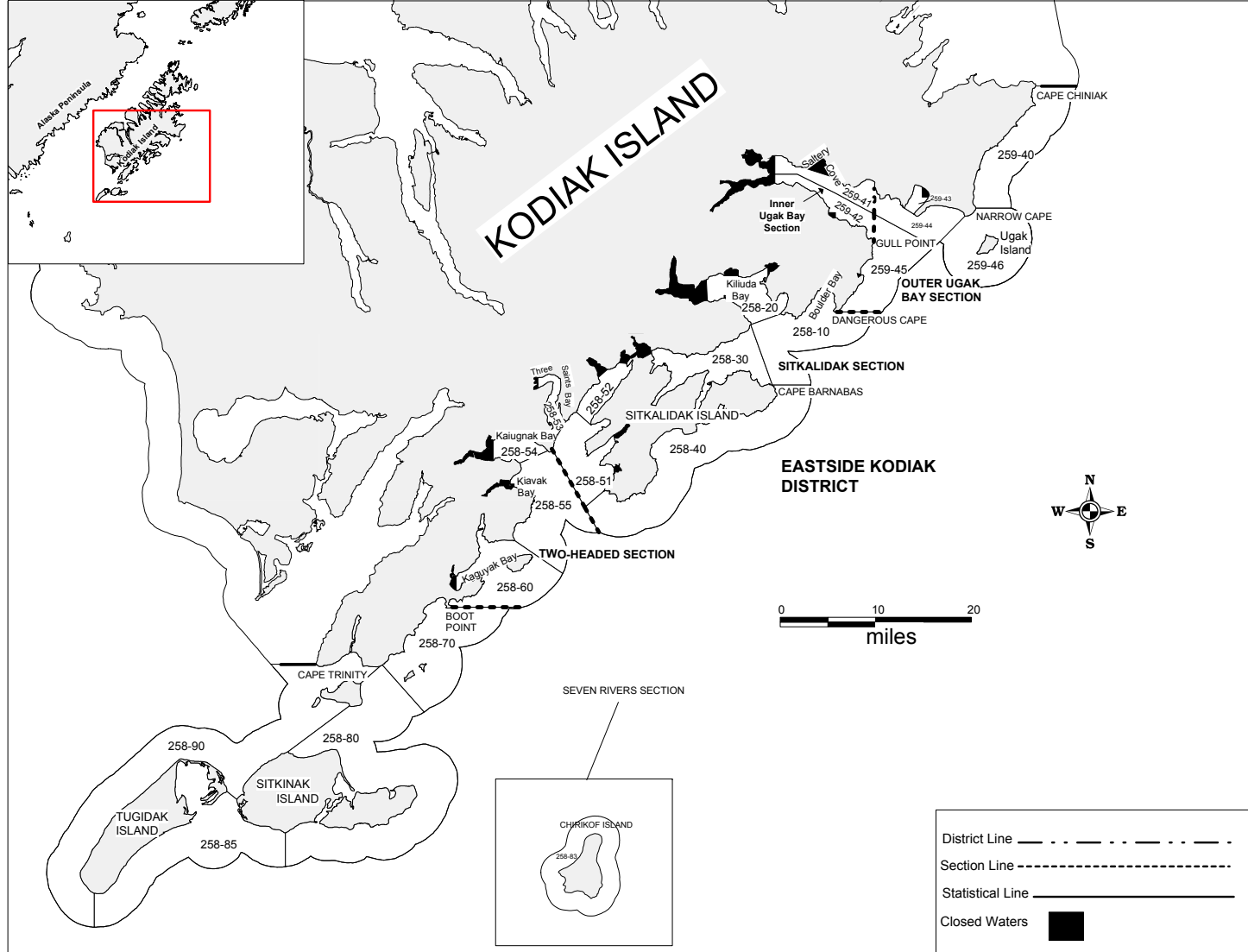
Generally chum salmon runs in the Eastside Kodiak fishery were of moderate strength but pink salmon runs were poor, especially in the Seven Rivers and Two Headed sections where almost no harvest time was allowed. The total commercial harvest for the Eastside Kodiak management units (Northeast and Eastside Kodiak districts) by 63 permit holders, included 1,861 Chinook, 143,899 sockeye, 24,289 coho, 764,315 pink, and 279,549 chum salmon (Appendix I4). The last landing from Eastside Kodiak management units occurred on September 15.

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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, 2008.

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	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	21-Jun	5	5	62	817	11,271	65,494	0	0	9,383	29,869	1,931	16,696
	22-Jun	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	4-Jul	8	8	10	102	5,290	29,993	0	0	35	93	60	448
	5-Jul	8	8	32	386	5,329	28,633	19	167	435	1,350	434	4,150
	6-Jul	24	24	170	1,417	24,622	139,506	1,529	10,737	28,036	97,932	18,796	159,303
	7-Jul	15	17	172	1,190	7,018	37,230	317	2,320	6,507	20,586	4,747	38,014
	8-Jul	21	23	148	977	13,795	67,660	1,092	7,044	11,138	42,259	9,686	76,042
	12-Jul	12	12	348	2,700	6,554	37,799	4,473	31,147	13,211	49,863	6,458	55,747
	13-Jul	6	8	54	515	4,817	25,292	100	697	1,608	5,637	1,464	11,748
	14-Jul	8	8	358	2,855	8,615	44,981	3,919	25,611	8,266	27,543	5,676	47,138
	15-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	16-Jul	6	6	24	277	4,246	24,351	3	16	719	2,899	711	5,726
	18-Jul	7	7	51	336	2,799	15,703	837	6,149	21,091	73,573	7,585	60,341
	19-Jul	8	8	39	434	1,658	9,749	344	2,537	13,378	44,227	7,543	59,919
	20-Jul	10	10	96	923	2,284	12,278	1,001	7,273	12,060	42,901	5,687	44,128
	21-Jul	3	3	12	186	3,379	21,513	3	19	811	2,757	1,252	9,704
	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	11	12	22	369	2,574	13,742	1,135	7,361	30,334	112,792	6,472	54,954
	25-Jul	6	8	5	65	2,150	11,008	460	3,469	10,449	35,320	6,502	55,994
	26-Jul	14	16	23	254	7,015	38,473	1,502	11,287	45,115	157,635	8,891	75,191
	27-Jul	9	9	1	6	2,751	14,306	457	3,326	20,289	69,123	5,414	39,823
	28-Jul	8	8	2	33	1,736	9,697	127	1,040	23,356	94,011	5,663	45,642
	29-Jul	5	5	22	576	368	2,065	15	110	8,952	30,932	2,174	18,582
	30-Jul	11	11	7	123	530	3,009	77	594	21,464	81,705	3,415	25,615
	2-Aug	9	9	5	71	2,348	11,858	1,267	9,729	44,431	169,118	6,944	59,571
	3-Aug	13	14	2	26	1,128	6,083	73	591	46,486	171,537	8,567	71,148
	4-Aug	8	8	2	45	759	4,197	125	886	33,116	121,805	3,391	29,264
	5-Aug	15	15	1	13	1,752	8,968	832	6,478	63,085	217,761	6,908	58,855
	6-Aug	20	21	4	68	1,444	7,004	1,060	7,250	67,879	233,037	8,103	72,368
	11-Aug	6	6	2	37	600	3,592	133	1,051	17,583	62,165	5,054	44,808
	12-Aug	14	15	7	128	1,232	6,717	512	3,755	67,203	227,122	18,127	158,381

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Management Unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Eastside Kodiak District (cont.)	13-Aug	12	12	4	41	1,084	4,761	391	2,899	31,688	100,742	14,671	124,080
	18-Aug	4	4	0	0	4	24	30	267	10,054	36,695	3,869	35,399
	19-Aug	9	9	0	0	76	394	91	801	13,085	48,824	16,203	145,549
	20-Aug	8	8	0	0	190	886	542	3,638	21,857	77,551	13,869	110,206
	24-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	25-Aug	10	10	3	60	49	297	221	1,883	5,378	18,174	26,424	229,120
	26-Aug	9	11	1	12	66	364	685	5,253	9,561	33,279	17,284	147,762
	27-Aug	7	7	0	0	6	26	204	1,488	2,977	9,905	8,034	64,268
	15-Sep	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
Total		60	377	1,736	15,779	140,396	770,523	23,765	168,545	728,310	2,572,911	275,856	2,325,270
Average weight					9.1		5.5		7.1		3.5		8.4
Northeast Kodiak District	6-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	8-Jul	4	4	111	390	1,160	6,368	131	974	2,110	7,194	1,833	13,951
	13-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
	2-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
	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
	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
	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
Total		10	24	125	561	3,503	13,785	524	3,931	36,005	129,391	3,693	30,835
Average weight					4.5		3.9		7.5		3.6		8.3
Eastside Management Plan Total													
Total		63	398	1,861	16,340	143,899	784,308	24,289	172,476	764,315	2,702,302	279,549	2,356,105
Avg. wt.					8.8		5.5		7.1		3.5		8.4

Note: Conf=Confidential

APPENDIX J. NORTH AFOGNAK FISHERY SUMMARY

INTRODUCTION

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

For the Northeast Afognak and Shuyak Island sections, commercial salmon fishing is to remain closed until July 6, when the general pink salmon fishery begins for most of the Kodiak Management Area. Fishing opportunities in the Northeast Afognak Section are based on the abundance of local and migrating pink salmon through August 24, then management switches toward local pink and coho salmon through September 5, then exclusively to local coho salmon after September 5. Fishing opportunities in the Shuyak Island Section are to be based on the abundance of local and mixed pink salmon through August 1, then are based on local coho salmon through the end of the season. From July 6 to 25 the Shuyak Island Section is 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 are based on sockeye salmon returning to the Pauls Bay and Portage Lake systems. Additional fishing time may 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 is based on local and migrating Kodiak pink salmon and Pauls and Portage lakes sockeye salmon. From July 21 to August 20, management is 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 fishing opportunities are to be based exclusively on the abundance of local coho salmon.

For the Northwest Afognak Section, from June 1 to July 5 fishing opportunities are based on sockeye salmon bound to the minor systems at Thorsheim Lake and Long Lagoon, though there may be no more than two 33-hour fishing periods. Additional fishing time may 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 is based on the abundance of local and mixed pink salmon, and after August 24, fishing periods are based on the abundance of local coho salmon. Additional fishing time may be allowed to harvest enhanced coho salmon bound for the Hidden Lake system, but again only in the FBSHA. From July 6 to 25 the Northwest

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Afognak Section is 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 are based on sockeye salmon returning to Pauls Lake. From July 6 to August 1, management of the Pauls Bay Section is based on local and mixed pink and sockeye salmon bound for Pauls Lake. After August 1, management is based on the abundance of local coho salmon.

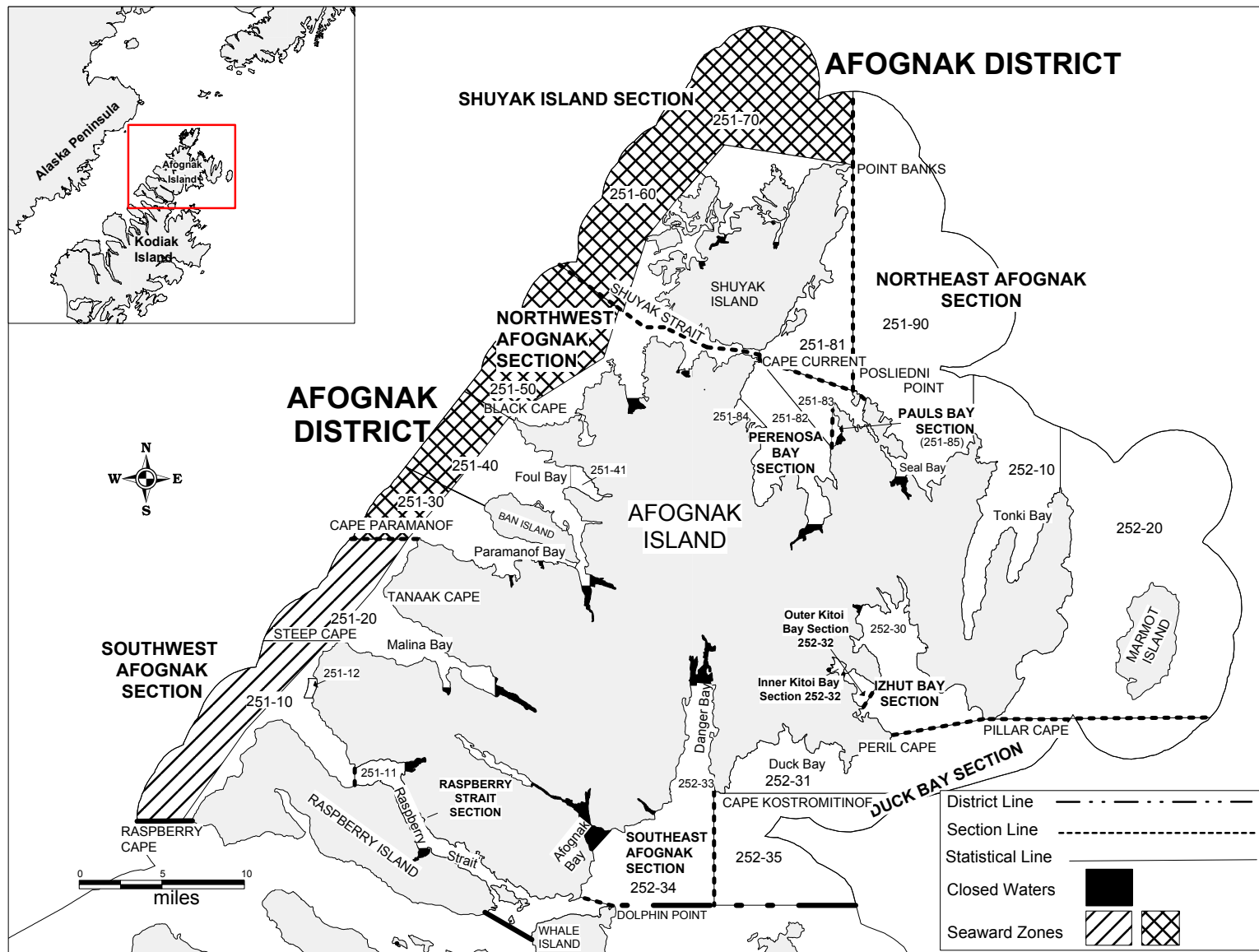
2008 North Afognak/Shuyak Island Fisheries

In 2008, the first commercial salmon fishing period for the North Afognak/Shuyak Island management units began June 5, and was limited to the Foul Bay and Waterfall Bay Special Harvest Areas. The FBSHA catches were small with little effort. The 2008 harvest included only 2 Chinook, 5,715 sockeye, 5 coho, 375 pink and 227 chum salmon (Appendix J3). There was very little effort or harvest in the WBSHA fishery during the 2008 season and the harvest was confidential (Appendix J3)

The Pauls Bay Section (5 ACC 18.368(f); 2005) 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 2008. Aerial and foot surveys were used to determine interim salmon escapements. The Pauls Bay Section was reopened on July 6 along with most other areas in the Kodiak Management Area to allow harvest of pink salmon. Five other relatively short fishing periods were allowed in July and early August followed by a extended period from August 18 through August 30 which was intended to allow harvest on a relatively strong coho salmon run. Effort was low and the total harvest included 23 Chinook, 6,245 sockeye, 7,128 coho, 97,377 pink and 842 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 9, 2008 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 4,108 coho salmon were counted through the weir. Although there is no established escapement goal for this system, the 2008 count was relatively large and a liberal amount of commercial fishing time (17 days) was allowed in August to harvest coho salmon in the Shuyak Island Section although there was very little effort. The total 2008 commercial salmon harvest for this section harvested by six permit holders was 2 Chinook, 183 sockeye, 2,379 coho, 1,235 pink and 398 chum salmon (Appendix J3).

For the entirety of the North Afognak/Shuyak Island management units, the last landing occurred on August 29. Twenty-nine permit holders harvested 133 Chinook, 37,139 sockeye, 19,734 coho, 536,560 pink, and 11,191 chum salmon in 89 landings (Appendix J3). The pink salmon harvest primarily was taken in the Northeast Afognak Section.



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, 2008.

Management Unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	
Northeast Afognak Section														
	12-Jul	Conf	Conf		Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	
	18-Jul	Conf	Conf		Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	
	20-Jul	Conf	Conf		Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	
	25-Jul	Conf	Conf		Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	
	27-Jul	Conf	Conf		Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	
	28-Jul	Conf	Conf		Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	
	29-Jul	Conf	Conf		Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	
	3-Aug	3	3	#	0	0	189	924	116	836	24,993	108,072	248	2,054
	4-Aug	Conf	Conf		Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	
	5-Aug	Conf	Conf		Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	
	6-Aug	3	3	#	6	41	483	2,911	475	3,463	19,684	75,214	338	2,876
	11-Aug	3	3	#	1	11	113	580	64	549	23,571	79,884	53	462
	12-Aug	5	10	#	5	45	4,546	24,900	1,538	13,412	148,906	509,644	879	7,483
	18-Aug	Conf	Conf		Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	19-Aug	7	7	#	0	0	1,021	5,496	1,616	11,566	52,309	211,417	128	959
	20-Aug	4	4	#	0	0	173	921	336	2,993	11,485	42,385	102	889
Total		13	46		96	653	16,498	91,825	6,644	51,930	411,946	1,478,655	8,354	72,603
Avg. Weight						6.8				7.8		3.6		8.7
Northwest Afognak Section														
(excluding Foul Bay SHA)	14-Jun	Conf	Conf		Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	22-Jun	Conf	Conf		Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	18-Jul	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
Total		8	8		6	42	5,422	28,424	2,609	21,740	7,043	25,049	1,331	11,086
Avg. Weight						7.0				8.3		3.6		8.3

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Appendix J3.—Page 2 of 3.

Management Unit				Chinook		Sockeye		Coho		Pink		Chum		
	Date	Permits	Landings	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	
Foul Bay SHA														
	10-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	
	14-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	
	17-Jun	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	
	22-Jun	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	
	1-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	
Total		5	9	2	24	5,715	22,290	5	34	375	1,305	227	1,956	
Avg. Weight					12.0		3.9		6.8		3.5		8.6	
Pauls Bay Section														
	14-Jun	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	
	22-Jun	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	3	6	#	2	26	1,327	6,959	3,745	25,529	48,991	178,557	319	2,771
	18-Aug	4	4	#	0	0	142	773	1,154	10,989	18,648	55,211	63	564
	19-Aug	3	3	#	0	0	214	1,238	1,310	12,531	10,783	35,220	44	371
	20-Aug	Conf	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	Conf
Total		9	18	23	190	6,245	28,170	7,128	57,526	97,377	334,920	842	6,878	
Avg. Weight					8.3		4.5		8.1		3.4		8.2	
Perenos Bay Section (Excluding Waterfall Bay SHA)														
	14-Jun	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	
	21-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	
Total		6	6	4	49	2,912	11,750	969	8,097	18,584	76,016	39	413	
Avg. Weight					12.3		4.0		8.4		4.1		10.6	
Waterfall Bay SHA														
	17-Jun	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	

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Appendix J3.–Page 3 of 3.

Management Unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Shuyak Island Section													
	14-Jul	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
	29-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
Total		6	6	2	18	183	1,083	2,379	20,152	1,235	4,495	398	3,421
Avg. Weight					9.0		5.9		8.5		3.6		8.6
North Afognak/ Shuyak Island Mangement Plan													
Units													
Total		29	89	133	976	37,139	184,204	19,734	159,479	536,560	1,920,440	11,191	96,357
Avg. Weight					7.3		5.0		8.1		3.6		8.6

Note: Conf=Confidential

APPENDIX K. MAINLAND DISTRICT FISHERY SUMMARY

INTRODUCTION

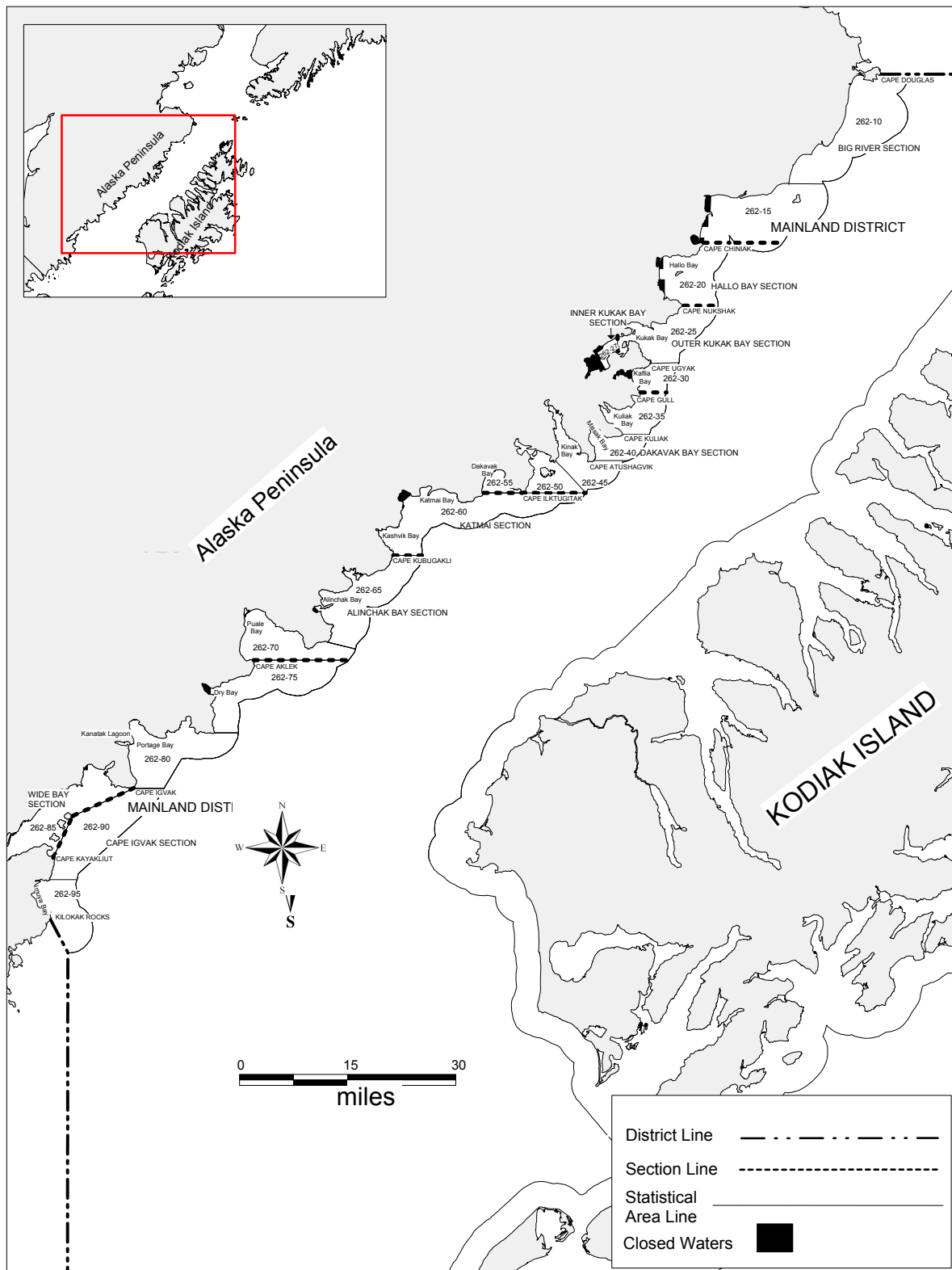
The Mainland District in the Kodiak Management Area (Appendix K2) is covered under three separate regulatory management plans, two of which are strictly allocative plans allowing the harvest of sockeye salmon considered to be non-local. The Cape Igvak Salmon Management Plan covers the southernmost sections 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) 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, 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).

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

2008 Mainland District Fisheries

The last fishing period resulting from the prosecution of the NSSSSMP that began on July 24 was extended through 9:00 pm. on July 30 to further test the strength of local pink and chum salmon runs. The Cape Igvak and Wide Bay sections were opened for 57 hours on July 28. Fishing time in August was more restricted than normal due to a weak pink salmon run. Initially, there was an 57-hour opener on August 2, which eventually was extended through August 8 except in the Wide Bay Section which closed on August 6 due to lack of adequate pink salmon escapement in local streams. On August 18, the entire Mainland District was opened for 54 hours. There was another 54-hour opening allowed in the Big River, Hallo Bay, Outer Kukak and Inner Kukak Bay sections beginning at noon on September 15 to allow the harvest of coho salmon, but no effort was reported. The last landing for commercial salmon from the Mainland District occurred on August 22 (Appendix K3).

The total commercial harvest from the Mainland District in 2008 was 926,711 salmon including 496 Chinook, 36,956 sockeye, 23,211 coho, 652,238 pink and 213,810 chum salmon by 29 permit holders (Appendix K3). This includes all salmon harvested along the Mainland, including those harvested under the direction of the Cape Igvak Salmon Management Plan (there was none in 2008) and the North Shelikof Strait Sockeye Salmon Management Plan.



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, 2008.

Management Unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Big River Section													
	2-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
	22-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
Hallo Bay Section													
	2-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
Outer Kukak Bay Section													
	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
	19-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
Total		5	6	1	7	56	318	102	891	4,471	23,947	7,506	67,619
Avg. Weight					7.0		5.7		8.7		5.4		9.0
Inner Kukak Bay Section													
	30-Jul	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		3	4	0	0	1	5	26	147	1,247	4,451	3,065	21,263
Avg. Weight							5.0		5.7		3.6		6.9

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Appendix K3.–Page 2 of 4.

Management Unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Dakavak Bay Section													
	6-Jul	3	3	8	84	338	1,825	6	57	1,623	3,790	1,669	14,221
	8-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	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
	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	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
	2-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	3-Aug	3	3	2	14	660	3,560	108	980	14,012	41,842	1,021	10,079
	4-Aug	3	3	2	15	84	406	149	1,473	11,050	33,207	1,409	13,281
	5-Aug	3	3	0	0	182	946	350	2,451	11,279	39,162	3,484	30,638
	6-Aug	5	5	6	128	119	579	331	3,429	27,548	87,897	8,755	32,862
	7-Aug	3	3	2	58	166	828	687	6,234	19,050	67,326	2,115	19,614
	8-Aug	5	5	10	149	213	1,161	1,026	6,846	11,788	42,650	3,235	25,598
	18-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	19-Aug	4	4	0	0	617	3,081	535	3,742	6,579	26,005	1,251	10,839
	21-Aug	4	4	0	0	243	1,102	384	3,460	4,287	16,428	1,773	15,974
Total		14	49	250	2,447	7,626	37,757	4,570	35,492	201,494	657,376	30,714	229,250
Avg. Weight					9.8		5.0		7.8		3.3		7.5
Katmai Section													
	6-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
Total		Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf

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Appendix K3.–Page 3 of 4.

Management				Chinook		Sockeye		Coho		Pink		Chum	
Unit	Date	Permits	Landings	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Alinchak													
Bay 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
	13-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	14-Jul	3	3	12	183	3,798	19,548	106	863	6,476	21,122	2,500	21,033
	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
	24-Jul	3	3	1	11	83	501	48	362	6,327	18,981	3,273	28,180
	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	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
	30-Jul	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	2-Aug	4	6	1	17	13	88	0	0	57,137	184,751	5,964	55,723
	3-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	4-Aug	3	6	7	153	46	295	6	60	36,894	124,612	20,339	177,326
	5-Aug	3	3	0	0	19	120	13	178	12,377	49,512	5,220	63,498
	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
	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	3	3	0	0	2	10	0	0	5,972	23,807	2,491	21,946
	22-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
Total		7	54	95	1,512	12,393	65,704	456	3,903	239,134	791,800	102,429	909,258
Avg. Weight					15.9		5.3		8.6		3.3		8.9

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Management				Chinook		Sockeye		Coho		Pink		Chum	
Unit	Date	Permits	Landings	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Cape Igvak Section													
	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	3	4	48	603	1,658	9,143	761	6,859	22,055	66,211	5,110	44,969
	2-Aug	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf	Conf
	3-Aug	3	3	31	354	4,090	24,307	1,860	15,899	17,917	65,197	3,268	28,770
	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	4	6	6	73	3,025	17,867	2,600	19,385	23,767	90,991	6,440	44,581
	8-Aug	4	4	15	183	1,377	7,934	2,877	24,108	16,275	64,351	3,035	25,971
	21-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
Total		8	28	149	1,994	16,833	101,203	17,983	149,434	131,736	452,280	29,239	241,433
Avg. Weight					13.4		6.0		8.3		3.4		8.3
Wide Bay Section													
	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	3	5	0	0	3	19	1	8	22,918	74,004	11,439	97,911
	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
Total		4	13	0	0	41	210	15	135	54,956	169,992	32,647	273,568
Avg. Weight							5.1		9.0		3.1		8.4
Mainland District Total													
Total		29	154	496	5,971	36,956	205,234	23,211	190,552	652,238	2,168,683	213,810	1,818,995
Avg. Weight					12.0		5.6		8.2		3.3		8.5

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, 2008.

Section (Stat Area)	Stat Week	Week End	Chinook			Sockeye			Coho			Pink			Chum		
			No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.
S.W.Afognak & Raspberry Straits (combined) (251-10,11,12,20)	26	27-Jun	77	441	5.7	461	2,226	4.8	0	0	0.0	175	600	3.4	53	412	7.8
	28	11-Jul	1,154	7,620	6.6	3,551	19,317	5.4	58	424	7.3	15,299	57,407	3.8	2,310	17,896	7.7
	29	18-Jul	645	6,015	9.3	9,246	52,382	5.7	538	3,904	7.3	42,180	150,824	3.6	5,093	43,795	8.6
	30	25-Jul	475	3,849	8.1	5,642	29,665	5.3	1,247	10,029	8.0	57,564	174,657	3.0	5,382	44,339	8.2
	31	1-Aug	165	2,057	12.5	2,215	12,685	5.7	1,181	9,348	7.9	52,394	195,283	3.7	2,290	16,724	7.3
	32	8-Aug	79	509	6.4	246	1,488	6.0	369	3,129	8.5	16,082	56,855	3.5	961	7,817	8.1
	33	15-Aug	0	0	0.0	2	10	5.0	4	35	8.8	462	1,340	2.9	3	27	9.0
	34	22-Aug	22	198	9.0	314	1,605	5.1	357	3,348	9.4	12,916	42,816	3.3	107	1,005	9.4
	35	29-Aug	1	10	10.0	202	1,051	5.2	281	2,427	8.6	893	3,038	3.4	22	145	6.6
	36	5-Sep	1	9	9.0	131	713	5.4	137	1,306	9.5	361	1,458	4.0	6	58	9.7
Total			2,619	20,708	7.9	22,010	121,142	5.5	4,172	33,950	8.1	198,326	684,278	3.5	16,227	132,218	8.1
N.W.Afognak (251-30,40,41,50)	24	13-Jun	0	0	0.0	3,992	15,630	3.9	0	0	0.0	2	12	6.0	6	64	10.7
	25	20-Jun	0	0	0.0	1,419	5,095	3.6	0	0	0.0	0	0	0.0	0	0	0.0
	26	27-Jun	2	14	7.0	4,054	20,194	5.0	0	0	0.0	9	40	4.4	681	5,435	8.0
	27	4-Jul	1	17	17.0	73	294	4.0	0	0	0.0	12	36	3.0	96	774	8.1
	28	11-Jul	1	7	7.0	181	993	5.5	5	34	6.8	362	1,266	3.5	126	1,129	9.0
	29	18-Jul	4	28	7.0	1,377	8,300	6.0	107	773	7.2	3,674	13,373	3.6	612	5,339	8.7
	35	29-Aug	0	0	0.0	41	208	5.1	2,502	20,967	8.4	3,359	11,627	3.5	37	301	8.1
	Total		8	66	8.3	11,137	50,714	4.6	2,614	21,774	8.3	7,418	26,354	3.6	1,558	13,042	8.4
Shuyak (251-60,70,81)	29	18-Jul	2	18	9.0	183	1,083	5.9	30	208	6.9	1,104	4,069	3.7	398	3,421	8.6
	35	29-Aug	0	0	0.0	0	0	0.0	2,349	19,944	8.5	131	426	3.3	0	0	0.0
	Total		2	18	9.0	183	1,083	5.9	2,379	20,152	8.5	1,235	4,495	3.6	398	3,421	8.6
Perenosa (251-82,83,84,85)	24	13-Jun	18	159	8.8	4,384	17,820	4.1	0	0	0.0	0	0	0.0	14	127	9.1
	25	20-Jun	0	0	0.0	164	662	4.0	0	0	0.0	0	0	0.0	0	0	0.0
	26	27-Jun	5	43	8.6	2,896	12,164	4.2	0	0	0.0	0	0	0.0	315	2,277	7.2
	33	15-Aug	4	37	9.3	1,379	7,204	5.2	4,065	28,348	7.0	61,038	228,556	3.7	374	3,261	8.7
	34	22-Aug	0	0	0.0	498	2,732	5.5	4,032	37,275	9.2	54,923	182,380	3.3	178	1,626	9.1
	Total		27	239	8.9	9,321	40,582	4.4	8,097	65,623	8.1	115,961	410,936	3.5	881	7,291	8.3
N.E.Afognak (251-90,252-10,20)	28	11-Jul	3	64	21.3	1,625	8,932	5.5	44	308	7.0	3,256	11,396	3.5	1,130	10,164	9.0
	29	18-Jul	21	88	4.2	2,090	12,527	6.0	281	1,936	6.9	6,372	23,267	3.7	917	7,881	8.6
	30	25-Jul	20	176	8.8	4,139	23,021	5.6	1,243	9,425	7.6	22,903	69,945	3.1	2,107	18,905	9.0
	31	1-Aug	36	196	5.4	1,696	9,166	5.4	508	4,233	8.3	36,130	126,145	3.5	2,167	18,634	8.6
	32	8-Aug	10	73	7.3	1,070	6,154	5.8	942	6,944	7.4	80,553	301,601	3.7	867	7,190	8.3
	33	15-Aug	6	56	9.3	4,659	25,480	5.5	1,602	13,961	8.7	172,477	589,528	3.4	932	7,945	8.5
	34	22-Aug	0	0	0.0	1,219	6,545	5.4	2,024	15,123	7.5	90,255	356,773	4.0	234	1,884	8.1
	Total		96	653	6.8	16,498	91,825	5.6	6,644	51,930	7.8	411,946	1,478,655	3.6	8,354	72,603	8.7

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Section (Stat Area)	Stat Week	Week End	Chinook			Sockeye			Coho			Pink			Chum		
			No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.
Izhut Bay (252-30)	24	13-Jun	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	143	1,277	8.9
	25	20-Jun	157	1,601	10.2	330	1,631	4.9	0	0	0.0	25	69	2.8	4,720	35,551	7.5
	26	27-Jun	40	429	10.7	3,084	16,749	5.4	2	13	6.5	1,132	4,025	3.6	17,214	119,518	6.9
	27	4-Jul	25	248	9.9	2,399	11,792	4.9	10	63	6.3	893	3,532	4.0	9,336	68,996	7.4
	30	25-Jul	1	30	30.0	1,323	6,870	5.2	852	6,203	7.3	10,536	39,583	3.8	579	4,821	8.3
	35	29-Aug	0	0	0.0	170	789	4.6	60,579	521,375	8.6	92,648	319,540	3.4	627	4,990	8.0
	36	5-Sep	0	0	0.0	58	290	5.0	14,319	125,479	8.8	9,013	29,833	3.3	12	87	7.3
	37	12-Sep	0	0	0.0	5	24	4.8	5,383	46,018	8.5	1,002	2,957	3.0	0	0	0.0
	38	19-Sep	0	0	0.0	0	0	0.0	336	3,018	9.0	30	76	2.5	0	0	0.0
Total			223	2,308	10.3	7,369	38,145	5.2	81,481	702,169	8.6	115,279	399,615	3.5	32,631	235,240	7.2
Kitoi Bay (252-32)	24	13-Jun	85	612	7.2	639	3,120	4.9	1	12	12.0	236	958	4.1	2,032	16,733	8.2
	25	20-Jun	117	1,388	11.9	666	3,333	5.0	0	0	0.0	101	351	3.5	9,509	75,409	7.9
	26	27-Jun	24	169	7.0	1,878	9,395	5.0	0	0	0.0	928	4,389	4.7	8,675	69,209	8.0
	31	1-Aug	0	0	0.0	377	1,884	5.0	9	78	8.7	34,442	144,314	4.2	531	4,247	8.0
	32	8-Aug	0	0	0.0	1,970	9,141	4.6	17	137	8.1	530,390	2,241,116	4.2	186	1,488	8.0
	33	15-Aug	0	0	0.0	1,242	5,673	4.6	894	5,763	6.4	666,729	2,686,436	4.0	0	0	0.0
	34	22-Aug	0	0	0.0	686	3,249	4.7	2,903	25,614	8.8	463,086	1,883,131	4.1	0	0	0.0
	36	5-Sep	0	0	0.0	0	0	0.0	69	623	9.0	28	118	4.2	0	0	0.0
	37	12-Sep	0	0	0.0	0	0	0.0	992	5,756	5.8	0	0	0.0	0	0	0.0
Total			226	2,169	9.6	7,458	35,795	4.8	4,885	37,983	7.8	1,695,940	6,960,813	4.1	20,933	167,086	8.0
Duck Bay (252-31,35)	25	20-Jun	100	873	8.7	6,202	30,659	4.9	0	0	0.0	2,004	6,673	3.3	6,566	50,888	7.8
	26	27-Jun	442	2,846	6.4	16,946	90,895	5.4	53	350	6.6	9,565	36,306	3.8	16,338	128,893	7.9
	27	4-Jul	85	522	6.1	7,255	37,690	5.2	109	738	6.8	5,372	20,927	3.9	5,373	39,612	7.4
	29	18-Jul	80	428	5.4	5,513	29,368	5.3	719	5,228	7.3	18,457	72,120	3.9	2,525	19,990	7.9
	30	25-Jul	47	408	8.7	12,652	67,932	5.4	6,676	47,179	7.1	152,208	573,756	3.8	6,885	56,921	8.3
	31	1-Aug	75	639	8.5	2,559	13,593	5.3	1,379	9,619	7.0	62,889	241,891	3.8	1,274	9,870	7.7
	35	29-Aug	0	0	0.0	319	1,628	5.1	19,809	159,484	8.1	53,791	182,726	3.4	488	5,042	10.3
	36	5-Sep	0	0	0.0	45	217	4.8	5,255	45,747	8.7	2,887	10,292	3.6	12	121	10.1
Total			829	5,716	6.9	51,491	271,982	5.3	34,000	268,345	7.9	307,173	1,144,691	3.7	39,461	311,337	7.9
S.E.Afognak (252-33,34)	32	8-Aug	2	53	26.5	182	1,026	5.6	212	1,602	7.6	44,970	167,940	3.7	171	1,514	8.9
	33	15-Aug	4	56	14.0	192	1,052	5.5	1,606	13,336	8.3	110,708	427,042	3.9	129	1,025	7.9
	34	22-Aug	2	40	20.0	1,368	7,345	5.4	1,644	14,243	8.7	48,380	177,924	3.7	60	476	7.9
	35	29-Aug	0	0	0.0	0	0	0.0	2,138	21,320	10.0	635	1,751	2.8	6	41	6.8
Total			8	149	18.6	1,742	9,423	5.4	5,600	50,501	9.0	204,693	774,657	3.8	366	3,056	8.3

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Section (Stat Area)	Stat Week	Week End	Chinook			Sockeye			Coho			Pink			Chum		
			No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.
Central, Terror Bay,	23	6-Jun	2,303	15,479	6.7	18,991	105,630	5.6	0	0	0.0	99	339	3.4	1,102	8,666	7.9
Inner Uganik, Spiridon,	24	13-Jun	1,539	10,531	6.8	36,853	201,770	5.5	1	7	7.0	419	1,566	3.7	2,243	16,618	7.4
Zachar, & Uyak combir	26	27-Jun	1,922	12,287	6.4	51,780	307,407	5.9	3	19	6.3	1,878	7,206	3.8	1,425	10,965	7.7
(253-11,12,13,14,31	27	4-Jul	0	0	0.0	40,375	249,689	6.2	0	0	0.0	509	2,200	4.3	22	231	10.5
32,33,34,35,254-10,20,	28	11-Jul	539	4,734	8.8	125,850	732,805	5.8	141	1,004	7.1	55,422	221,420	4.0	18,554	168,824	9.1
21,30,31,40,41,50)	29	18-Jul	663	4,708	7.1	81,911	478,986	5.8	919	6,498	7.1	155,529	562,596	3.6	40,074	379,810	9.5
	30	25-Jul	904	6,846	7.6	64,081	372,271	5.8	3,224	22,978	7.1	358,274	1,330,261	3.7	42,609	373,197	8.8
	31	1-Aug	334	3,837	11.5	32,786	187,441	5.7	3,363	24,218	7.2	386,233	1,464,310	3.8	18,825	163,748	8.7
	32	8-Aug	455	4,237	9.3	17,287	100,379	5.8	5,454	40,490	7.4	294,652	1,104,596	3.7	11,719	100,701	8.6
	33	15-Aug	287	2,824	9.8	23,556	136,279	5.8	10,472	79,533	7.6	498,463	1,861,625	3.7	17,414	141,479	8.1
	34	22-Aug	160	1,492	9.3	26,118	151,441	5.8	10,842	88,913	8.2	283,409	1,045,637	3.7	12,404	97,160	7.8
	35	29-Aug	14	125	8.9	14,433	81,148	5.6	9,958	79,832	8.0	66,406	251,329	3.8	1,865	14,835	8.0
	36	5-Sep	2	39	19.5	1,504	8,967	6.0	2,032	17,501	8.6	6,844	26,658	3.9	212	1,597	7.5
	Total		9,122	67,139	7.4	535,525	3,114,213	5.8	46,409	360,993	7.8	2,108,137	7,879,743	3.7	168,468	1,477,831	8.8
North Cape, Anton	23	6-Jun	29	523	18.0	1,166	5,798	5.0	0	0	0.0	26	113	4.3	6	44	7.3
Larsen, Sheratin,	24	13-Jun	25	481	19.2	2,079	10,494	5.0	0	0	0.0	95	399	4.2	60	443	7.4
& Kizhuyak combined	25	20-Jun	1	18	18.0	2	12	6.0	0	0	0.0	0	0	0.0	0	0	0.0
(259-30,31,32,33,34,35	26	27-Jun	222	1,690	7.6	5,520	28,057	5.1	1	8	8.0	3,125	10,746	3.4	735	5,378	7.3
36,37,38,39)	28	11-Jul	470	2,511	5.3	7,133	39,334	5.5	2,440	15,526	6.4	35,142	132,650	3.8	4,673	34,967	7.5
	29	18-Jul	186	528	2.8	5,267	30,397	5.8	1,209	8,967	7.4	25,182	99,752	4.0	1,993	16,915	8.5
	30	25-Jul	71	731	10.3	3,825	21,683	5.7	1,168	8,694	7.4	72,261	263,156	3.6	4,370	35,988	8.2
	31	1-Aug	49	363	7.4	5,595	31,426	5.6	1,639	12,337	7.5	93,838	360,702	3.8	5,074	45,121	8.9
	32	8-Aug	25	219	8.8	3,964	22,455	5.7	3,117	24,237	7.8	140,883	532,560	3.8	6,450	53,898	8.4
	33	15-Aug	10	152	15.2	4,277	23,565	5.5	6,214	49,653	8.0	140,865	512,242	3.6	11,270	79,953	7.1
	34	22-Aug	3	56	18.7	716	4,102	5.7	3,004	25,466	8.5	21,738	85,844	3.9	2,108	18,141	8.6
	35	29-Aug	0	0	0.0	60	352	5.9	495	5,248	10.6	619	2,489	4.0	1,659	12,286	7.4
	Total		1,091	7,272	6.7	39,604	217,675	5.5	19,287	150,136	7.8	533,774	2,000,653	3.7	38,398	303,134	7.9
Outer Karluk	26	27-Jun	13	121	9.3	4,126	22,455	5.4	0	0	0.0	142	413	2.9	78	557	7.1
(255-20)	31	1-Aug	1	18	18.0	728	4,264	5.9	151	987	6.5	7,578	27,516	3.6	16	110	6.9
	32	8-Aug	41	516	12.6	15,129	76,798	5.1	2,194	18,972	8.6	218,449	789,811	3.6	1,931	17,571	9.1
	33	15-Aug	37	455	12.3	15,501	79,286	5.1	3,471	27,030	7.8	149,857	538,362	3.6	1,969	16,930	8.6
	34	22-Aug	0	0	0.0	1,485	7,928	5.3	504	4,327	8.6	10,482	37,095	3.5	65	577	8.9
	Total		92	1,110	12.1	36,969	190,731	5.2	6,320	51,316	8.1	386,508	1,393,197	3.6	4,059	35,745	8.8
Sturgeon (256-40)	32	8-Aug	13	147	11.3	7,107	33,168	4.7	684	5,236	7.7	41,771	158,140	3.8	322	2,862	8.9
	33	15-Aug	14	267	19.1	3,238	15,496	4.8	636	4,950	7.8	30,424	100,494	3.3	118	1,026	8.7
	34	22-Aug	0	0	0.0	418	1,883	4.5	698	4,886	7.0	696	2,438	3.5	7	68	9.7
	Total		27	414	15.3	10,763	50,547	4.7	2,018	15,072	7.5	72,891	261,072	3.6	447	3,956	8.9

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Section (Stat Area)	Stat Week	Week End	Chinook			Sockeye			Coho			Pink			Chum		
			No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.
Halibut Bay (256-25,30)	31	1-Aug	10	119	11.9	3,810	19,859	5.2	66	514	7.8	23,608	76,789	3.3	85	756	8.9
	32	8-Aug	96	1,508	15.7	41,194	231,992	5.6	2,408	17,763	7.4	209,975	741,745	3.5	2,307	18,267	7.9
	33	15-Aug	56	828	14.8	24,292	147,774	6.1	1,986	15,726	7.9	94,599	333,387	3.5	505	4,167	8.3
	34	22-Aug	17	308	18.1	26,103	150,903	5.8	6,700	47,259	7.1	38,190	131,907	3.5	452	3,791	8.4
	Total		179	2,763	15.4	95,399	550,528	5.8	11,160	81,262	7.3	366,372	1,283,828	3.5	3,349	26,981	8.1
Inner & Outer Ayakulik (256-10,15,20)	34	22-Aug	5	109	21.8	49,740	307,522	6.2	2,823	26,201	9.3	134,028	448,350	3.3	447	3,876	8.7
	Total		5	109	21.8	49,740	307,522	6.2	2,823	26,201	9.3	134,028	448,350	3.3	447	3,876	8.7
Cape Alitak (257-10&20)	24	13-Jun	20	377	18.9	5,409	27,531	5.1	0	0	0.0	16	51	3.2	46	422	9.2
	25	20-Jun	45	756	16.8	17,090	82,586	4.8	11	96	8.7	79	244	3.1	127	963	7.6
	26	27-Jun	42	724	17.2	55,757	287,345	5.2	0	0	0.0	400	1,235	3.1	980	8,544	8.7
	27	4-Jul	18	474	26.3	32,599	161,132	4.9	1	6	6.0	2,037	6,046	3.0	1,401	10,576	7.5
	28	11-Jul	21	334	15.9	32,874	167,305	5.1	82	594	7.2	14,605	44,221	3.0	4,313	35,560	8.2
	29	18-Jul	30	634	21.1	33,624	195,338	5.8	81	569	7.0	32,591	101,549	3.1	6,854	63,792	9.3
	30	25-Jul	16	386	24.1	13,983	86,730	6.2	234	1,647	7.0	108,723	375,006	3.4	18,390	143,112	7.8
	31	1-Aug	20	398	19.9	11,400	68,055	6.0	417	2,699	6.5	84,697	283,368	3.3	1,764	13,611	7.7
	32	8-Aug	20	351	17.6	12,295	75,014	6.1	849	7,958	9.4	96,841	323,667	3.3	1,265	10,942	8.6
	33	15-Aug	2	25	12.5	22,558	152,602	6.8	548	6,016	11.0	60,880	231,288	3.8	1,207	13,733	11.4
	34	22-Aug	3	72	24.0	10,205	53,405	5.2	2,463	17,828	7.2	8,619	27,137	3.1	1,786	15,630	8.8
	35	29-Aug	1	11	11.0	7,872	38,583	4.9	3,916	28,029	7.2	2,872	9,185	3.2	2,843	23,551	8.3
	36	5-Sep	5	63	12.6	4,330	21,737	5.0	2,422	22,095	9.1	451	1,397	3.1	469	3,744	8.0
	37	12-Sep	0	0	0.0	552	2,958	5.4	232	2,562	11.0	52	264	5.1	38	306	8.1
	38	19-Sep	0	0	0.0	80	400	5.0	140	2,000	14.3	0	0	0.0	15	150	10.0
	Total		243	4,605	19.0	260,628	1,420,721	5.5	11,396	92,099	8.1	412,863	1,404,658	3.4	41,498	344,636	8.3
Moser/Olga Bay & Alitak Bay (257-40,41,&,43)	24	13-Jun	2	39	19.5	37,852	189,927	5.0	0	0	0.0	6	19	3.2	19	143	7.5
	25	20-Jun	1	21	21.0	32,128	161,512	5.0	0	0	0.0	0	0	0.0	35	284	8.1
	26	27-Jun	0	0	0.0	67,623	338,892	5.0	1	7	7.0	37	145	3.9	254	2,069	8.1
	27	4-Jul	0	0	0.0	63,824	316,795	5.0	3	17	5.7	232	814	3.5	496	4,191	8.4
	28	11-Jul	0	0	0.0	30,003	147,913	4.9	0	0	0.0	833	3,257	3.9	507	4,337	8.6
	29	18-Jul	1	16	16.0	22,134	111,379	5.0	16	109	6.8	3,790	14,974	4.0	887	7,574	8.5
	30	25-Jul	0	0	0.0	35,545	199,333	5.6	30	230	7.7	18,628	74,317	4.0	861	7,446	8.6
	31	1-Aug	2	26	13.0	41,196	240,117	5.8	35	262	7.5	38,977	156,769	4.0	911	7,884	8.7
	32	8-Aug	0	0	0.0	24,910	142,923	5.7	73	582	8.0	38,843	151,286	3.9	457	3,937	8.6
	33	15-Aug	0	0	0.0	21,298	120,466	5.7	125	1,081	8.6	28,376	113,161	4.0	327	2,921	8.9
	34	22-Aug	2	8	4.0	63,568	352,234	5.5	946	9,288	9.8	21,634	86,531	4.0	501	4,328	8.6
	35	29-Aug	0	0	0.0	18,258	101,231	5.5	751	7,693	10.2	4,098	15,991	3.9	362	3,060	8.5
	36	5-Sep	0	0	0.0	6,058	34,054	5.6	919	9,658	10.5	203	821	4.0	1,631	13,841	8.5
	37	12-Sep	0	0	0.0	1,000	5,611	5.6	71	708	10.0	4	16	4.0	23	181	7.9
	Total		8	110	13.8	465,397	2,462,387	5.3	2,970	29,635	10.0	155,661	618,101	4.0	7,271	62,196	8.6

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Section (Stat Area)	Stat Week	Week End	Chinook			Sockeye			Coho			Pink			Chum		
			No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.
Humpy/Deadman (257-50,60,70)	24	13-Jun	7	148	21.1	2,680	14,628	5.5	0	0	0.0	11	27	2.5	27	152	5.6
	25	20-Jun	0	0	0.0	322	1,630	5.1	0	0	0.0	0	0	0.0	0	0	0.0
	27	4-Jul	0	0	0.0	728	3,641	5.0	0	0	0.0	33	99	3.0	40	322	8.1
	28	11-Jul	0	0	0.0	373	1,866	5.0	0	0	0.0	37	118	3.2	9	63	7.0
	29	18-Jul	3	34	11.3	3,395	18,046	5.3	52	393	7.6	13,825	41,609	3.0	992	7,979	8.0
	30	25-Jul	0	0	0.0	1,476	8,634	5.8	42	284	6.8	27,327	90,256	3.3	1,020	7,905	7.8
	31	1-Aug	0	0	0.0	4,173	24,290	5.8	161	1,160	7.2	80,320	264,014	3.3	2,126	16,373	7.7
	32	8-Aug	1	15	15.0	211	1,785	8.5	62	801	12.9	2,905	12,782	4.4	28	344	12.3
	33	15-Aug	2	35	17.5	2,306	16,495	7.2	83	850	10.2	12,300	51,815	4.2	12,235	115,946	9.5
	34	22-Aug	1	12	12.0	405	1,966	4.9	110	916	8.3	4,122	13,001	3.2	6,291	53,741	8.5
	35	29-Aug	0	0	0.0	958	4,741	4.9	514	3,818	7.4	2,838	12,376	4.4	7,157	57,504	8.0
	Total		14	244	17.4	17,027	97,722	5.7	1,024	8,222	8.0	143,718	486,097	3.4	29,925	260,329	8.7
Seven Rivers (258-70,80,83,85,90)	25	20-Jun	8	117	14.6	4,873	29,242	6.0	0	0	0.0	3,359	10,079	3.0	613	5,520	9.0
	26	27-Jun	6	70	11.7	6,430	38,585	6.0	0	0	0.0	3,989	11,968	3.0	1,016	9,156	9.0
	28	11-Jul	116	761	6.6	6,589	34,067	5.2	2,632	18,635	7.1	15,460	57,100	3.7	8,205	67,108	8.2
	29	18-Jul	15	145	9.7	909	4,817	5.3	618	4,705	7.6	10,670	32,021	3.0	1,797	14,383	8.0
	30	25-Jul	9	252	28.0	134	1,027	7.7	349	2,892	8.3	792	5,270	6.7	398	2,956	7.4
	31	1-Aug	2	27	13.5	417	2,170	5.2	383	2,678	7.0	8,061	24,660	3.1	217	1,726	8.0
	33	15-Aug	1	20	20.0	166	1,333	8.0	20	264	13.2	4,990	21,959	4.4	47	574	12.2
	Total		157	1,392	8.9	19,518	111,241	5.7	4,002	29,174	7.3	47,321	163,057	3.4	12,293	101,423	8.3
Two-Headed (258-54,55,60)	25	20-Jun	1	11	11.0	125	896	7.2	0	0	0.0	85	246	2.9	36	201	5.6
	28	11-Jul	93	862	9.3	4,778	26,105	5.5	152	1,094	7.2	4,272	12,903	3.0	4,537	36,785	8.1
	29	18-Jul	14	170	12.1	443	2,307	5.2	84	595	7.1	3,211	9,633	3.0	823	6,581	8.0
	31	1-Aug	1	9	9.0	105	546	5.2	25	178	7.1	2,682	8,046	3.0	2,704	21,634	8.0
	33	15-Aug	0	0	0.0	753	4,061	5.4	153	1,072	7.0	12,533	40,391	3.2	1,830	14,637	8.0
	Total		109	1,052	9.7	6,204	33,915	5.5	414	2,939	7.1	22,783	71,219	3.1	9,930	79,838	8.0
Sitkalidak (258-10,20,30,40,51, 52,53)	24	13-Jun	37	585	15.8	1,357	7,481	5.5	0	0	0.0	668	1,337	2.0	384	3,480	9.1
	25	20-Jun	39	541	13.9	6,010	34,002	5.7	0	0	0.0	5,789	19,113	3.3	1,192	10,252	8.6
	27	4-Jul	23	290	12.6	3,467	17,329	5.0	19	167	8.8	424	1,303	3.1	415	4,004	9.6
	28	11-Jul	525	3,897	7.4	17,817	98,005	5.5	3,656	25,067	6.9	28,738	100,870	3.5	21,669	181,695	8.4
	29	18-Jul	436	3,498	8.0	6,533	34,379	5.3	3,772	24,831	6.6	28,424	102,182	3.6	18,286	147,574	8.1
	30	25-Jul	137	1,359	9.9	9,791	51,559	5.3	3,730	26,325	7.1	92,020	325,476	3.5	23,418	195,949	8.4
	31	1-Aug	13	197	15.2	6,025	32,213	5.3	1,513	11,779	7.8	98,273	375,918	3.8	15,558	128,126	8.2
	32	8-Aug	8	134	16.8	5,077	26,221	5.2	2,090	15,205	7.3	210,049	742,376	3.5	26,754	229,689	8.6
	33	15-Aug	12	186	15.5	1,485	7,634	5.1	862	6,362	7.4	98,038	325,354	3.3	31,052	265,483	8.5
	34	22-Aug	0	0	0.0	173	805	4.7	489	3,450	7.1	42,325	154,121	3.6	22,449	189,047	8.4
	35	29-Aug	1	12	12.0	112	637	5.7	904	6,929	7.7	17,441	59,507	3.4	41,914	365,642	8.7
	38	19-Sep	0	0	0.0	0	0	0.0	53	445	8.4	0	0	0.0	2,286	15,558	6.8
	Total		1,231	10,699	8.7	57,847	310,265	5.4	17,088	120,560	7.1	622,189	2,207,557	3.5	205,377	1,736,499	8.5

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Section (Stat Area)	Stat Week	Week End	Chinook			Sockeye			Coho			Pink			Chum		
			No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.
Inner & Outer Ugak (259-40,41,42,43,44, 45,46)	25	20-Jun	14	148	10.6	263	1,354	5.1	0	0	0.0	150	431	2.9	90	723	8.0
	27	4-Jul	19	198	10.4	7,152	41,297	5.8	0	0	0.0	46	140	3.0	79	594	7.5
	28	11-Jul	104	764	7.3	22,805	124,018	5.4	971	6,452	6.6	10,422	39,767	3.8	5,276	43,518	8.2
	29	18-Jul	61	604	9.9	15,140	83,023	5.5	729	4,879	6.7	2,840	10,334	3.6	2,192	17,167	7.8
	30	25-Jul	16	268	16.8	9,656	56,776	5.9	22	192	8.7	7,403	25,718	3.5	6,041	49,450	8.2
	31	1-Aug	21	576	27.4	1,186	6,006	5.1	22	164	7.5	9,476	36,265	3.8	5,131	37,747	7.4
	32	8-Aug	1	18	18.0	6	31	5.2	0	0	0.0	517	1,764	3.4	215	1,946	9.1
	33	15-Aug	0	0	0.0	512	2,042	4.0	1	7	7.0	913	2,325	2.5	4,923	46,575	9.5
	34	22-Aug	0	0	0.0	97	499	5.1	174	1,256	7.2	2,671	8,949	3.4	11,492	102,107	8.9
	35	29-Aug	3	60	20.0	10	56	5.6	342	2,922	8.5	1,579	5,385	3.4	12,817	107,683	8.4
	Total		239	2,636	11.0	56,827	315,102	5.5	2,261	15,872	7.0	36,017	131,078	3.6	48,256	407,510	8.4
Outer Chiniak (259-21,25)	28	11-Jul	111	390	3.5	3,019	11,105	3.7	206	1,503	7.3	4,506	14,386	3.2	2,368	18,789	7.9
	29	18-Jul	4	68	17.0	159	871	5.5	95	665	7.0	199	797	4.0	171	1,467	8.6
	35	29-Aug	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	377	3,390	9.0
	Total		115	458	4.0	3,178	11,976	3.8	301	2,168	7.2	4,705	15,183	3.2	2,916	23,646	8.1
Inner Chiniak (259-23,24,27)	32	8-Aug	0	0	0.0	0	0	0.0	0	0	0.0	316	1,076	3.4	1	9	9.0
	35	29-Aug	1	24	24.0	0	0	0.0	48	407	8.5	50	275	5.5	510	5,101	10.0
	Total		1	24	24.0	0	0	0.0	48	407	8.5	366	1,351	3.7	511	5,110	10.0
Monashka/Mill Bay (259-10)	31	1-Aug	4	33	8.3	156	829	5.3	12	84	7.0	12,906	42,829	3.3	134	1,078	8.0
	32	8-Aug	4	36	9.0	143	825	5.8	102	738	7.2	11,305	43,028	3.8	114	839	7.4
	33	15-Aug	1	10	10.0	26	155	6.0	53	460	8.7	5,560	22,157	4.0	16	139	8.7
	34	22-Aug	0	0	0.0	0	0	0.0	8	74	9.3	1,163	4,843	4.2	2	23	11.5
	Total		9	79	8.8	325	1,809	5.6	175	1,356	7.7	30,934	112,857	3.6	266	2,079	7.8
Big River (262-10,15)	31	1-Aug	0	0	0.0	1	5	5.0	0	0	0.0	150	599	4.0	679	6,787	10.0
	34	22-Aug	0	0	0.0	0	0	0.0	55	505	9.2	0	0	0.0	4,250	42,132	9.9
	Total		0	0	0.0	1	5	5.0	55	505	9.2	150	599	4.0	4,929	48,919	9.9
Halo Bay (262-20)	31	1-Aug	0	0	0.0	1	6	6.0	0	0	0.0	150	598	4.0	679	6,787	10.0
	Total		0	0	0.0	1	6	6.0	0	0	0.0	150	598	4.0	679	6,787	10.0
Outer Kukak (262-25,30)	32	8-Aug	1	7	7.0	12	49	4.1	13	91	7.0	2,566	10,793	4.2	5,783	50,672	8.8
	34	22-Aug	0	0	0.0	44	269	6.1	89	800	9.0	1,905	13,154	6.9	1,723	16,947	9.8
	Total		1	7	7.0	56	318	5.7	102	891	8.7	4,471	23,947	5.4	7,506	67,619	9.0
Inner Kukak (262-27)	31	1-Aug	0	0	0.0	1	5	5.0	4	21	5.3	1,031	3,609	3.5	1,799	12,415	6.9
	34	22-Aug	0	0	0.0	0	0	0.0	22	126	5.7	216	842	3.9	1,266	8,848	7.0
	Total		0	0	0.0	1	5	5.0	26	147	5.7	1,247	4,451	3.6	3,065	21,263	6.9

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Section (Stat Area)	Stat Week	Week End	Chinook			Sockeye			Coho			Pink			Chum		
			No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.	No.	lbs.	avg.
Dakavak (262-35,40,45,50,55)	28	11-Jul	11	106	9.6	618	3,113	5.0	7	64	9.1	2,341	6,232	2.7	2,196	18,336	8.3
	29	18-Jul	76	732	9.6	2,569	12,890	5.0	222	1,406	6.3	6,660	26,691	4.0	1,227	9,810	8.0
	30	25-Jul	109	872	8.0	1,535	6,793	4.4	471	3,301	7.0	18,558	55,673	3.0	2,362	23,684	10.0
	31	1-Aug	32	373	11.7	620	3,298	5.3	300	2,106	7.0	59,596	179,595	3.0	1,043	10,969	10.5
	32	8-Aug	22	364	16.5	1,424	7,480	5.3	2,651	21,413	8.1	94,727	312,084	3.3	20,019	132,072	6.6
	34	22-Aug	0	0	0.0	860	4,183	4.9	919	7,202	7.8	19,612	77,101	3.9	3,867	34,379	8.9
	Total		250	2,447	9.8	7,626	37,757	5.0	4,570	35,492	7.8	201,494	657,376	3.3	30,714	229,250	7.5
Katmai (262-60)	32	8-Aug	1	11	11.0	4	26	6.5	4	45	11.3	18,900	67,640	3.6	2,602	20,898	8.0
	Total		1	11	11.0	4	26	6.5	4	45	11.3	18,900	67,640	3.6	2,602	20,898	8.0
Alinchak (262-65,70)	28	11-Jul	21	346	16.5	3,064	17,066	5.6	20	150	7.5	1,630	5,147	3.2	1,730	15,440	8.9
	29	18-Jul	37	502	13.6	9,040	46,959	5.2	145	1,184	8.2	16,042	51,136	3.2	13,287	105,973	8.0
	30	25-Jul	1	11	11.0	88	529	6.0	48	362	7.5	15,678	47,038	3.0	8,677	71,418	8.2
	31	1-Aug	1	17	17.0	44	231	5.3	0	0	0.0	92,561	293,832	3.2	14,042	123,089	8.8
	32	8-Aug	34	623	18.3	155	909	5.9	193	1,804	9.3	72,928	256,209	3.5	42,380	400,067	9.4
	34	22-Aug	1	13	13.0	2	10	5.0	50	403	8.1	40,295	138,438	3.4	22,313	193,271	8.7
	Total		95	1,512	15.9	12,393	65,704	5.3	456	3,903	8.6	239,134	791,800	3.3	102,429	909,258	8.9
Cape Igvak (262-75,80,90,95)	31	1-Aug	66	909	13.8	4,340	23,281	5.4	2,165	19,480	9.0	49,682	141,201	2.8	11,302	96,173	8.5
	32	8-Aug	74	962	13.0	10,850	65,459	6.0	8,948	75,349	8.4	77,682	293,817	3.8	16,750	135,851	8.1
	34	22-Aug	9	123	13.7	1,643	12,463	7.6	6,870	54,605	7.9	4,372	17,262	3.9	1,187	9,409	7.9
	Total		149	1,994	13.4	16,833	101,203	6.0	17,983	149,434	8.3	131,736	452,280	3.4	29,239	241,433	8.3
Wide Bay (262-85)	31	1-Aug	0	0	0.0	28	145	5.2	14	127	9.1	6,124	16,072	2.6	15,568	124,555	8.0
	32	8-Aug	0	0	0.0	13	65	5.0	1	8	8.0	48,832	153,920	3.2	17,079	149,013	8.7
	Total		0	0	0.0	41	210	5.1	15	135	9.0	54,956	169,992	3.1	32,647	273,568	8.4
Grand Total			17,176	138,103	8.0	1,819,116	10,062,279	5.5	300,779	2,430,391	8.1	8,788,476	32,531,178	3.7	908,030	7,639,078	8.4

APPENDIX M. ESCAPEMENT DATA

Appendix M1.—Peak salmon escapements in the Kodiak Management Area, by district and species, 2008.

District	Number of Fish				
	Chinook	Sockeye	Coho	Pink	Chum
Afognak	0	38,144	13,183	171,728	3,001
Northwest Kodiak	0	67,000	0	598,380	36,500
Southwest Kodiak	3,823	409,378	25,343	1,624,337	4,087
Alitak Bay	91	330,519	9,072	176,346	9,948
Eastside Kodiak	0	69,166	4,375	158,400	45,200
Northeast Kodiak	2	5,900	11,727	195,517	2,746
Mainland	0	11,410	2,500	236,500	122,425
Total	3,916	931,517	66,200	3,161,208	223,907