

Fishery Management Report No. 06-14

**Kodiak Management Area Commercial Salmon
Annual Management Report, 2004**

by

Joe Dinnocenzo

March 2006

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

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Division of Commercial Fisheries, Kodiak

Alaska Department of Fish and Game
Division of Sport Fish, Research and Technical Services
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March 2006

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ABSTRACT

This report describes the Kodiak Management Area (KMA), provides an overview of the salmon resources, and explains the 2004 KMA commercial salmon fisheries and the various harvest strategies that were in effect throughout the commercial salmon fishing season. In addition, this report will review recent and historical harvests and effort levels.

The 2004 KMA commercial salmon fishery began on June 5 with the last reported landing on September 20. A total of 305 permits were fished in 2004 and included 141 purse seines and 164 set gillnets. The total commercial salmon harvest, not including ADF&G test fish and commercially caught salmon retained but not sold, for the KMA included 28,899 Chinook *Oncorhynchus tshawytscha*, 4,165,880 sockeye *O. nerka*, 489,871 coho *O. kisutch*, 21,440,641 pink *O. gorbuscha*, and 1,121,855 chum salmon *O. keta*. Additional salmon were harvested for subsistence, sport, and personal use. The 2004 commercial harvests exceeded the forecast for Chinook, sockeye and pink salmon; however, coho and chum salmon harvests were below 2004 projections. The exvessel value for all salmon species and all gear types (seine and set gillnet) totaled approximately \$19.9 million.

Sockeye and pink salmon escapement goals were met or exceeded in all districts. Coho salmon escapement goals were met in all districts except the Southwest Kodiak District. Chum salmon escapements were achieved in the Alitak, Eastside and Mainland Districts, but were below the district goals in the Southwest, Northeast, and Northwest Districts. The Chinook salmon escapement goal was exceeded in the Southwest District.

Commercially harvested salmon that were reported as retained but not sold totaled 3,613 salmon in the KMA. Commercial fishermen reported from their lawful commercial harvests for their own use 8 Chinook, 3,052 sockeye, 290 coho, 253 pink and 10 chum salmon.

The subsistence fishery harvest in the Kodiak Management Area totaled 38,403 salmon and included 379 Chinook, 30,503 sockeye, 5,857 coho, 1,403 pink, and 261 chum salmon. There were 2,241 permits issued in 2004. These totals are preliminary as only 2,063 (92%) of the permits had been returned at the time this report was published.

Key words: Chinook salmon, sockeye salmon, coho salmon, pink salmon, chum salmon, Alaska Department of Fish and Game, Kodiak Management Area, commercial fisheries, subsistence, sport fisheries, Alaska Board of Fisheries, management plan, purse seine, set gillnet, harvest, 2004

INTRODUCTION

Since 1959 when Alaska was granted statehood, the Alaska Department of Fish and Game (ADF&G) has been tasked with the management of the salmon resources of the state. The Division of Commercial Fisheries (CFD) is responsible for management of the state's subsistence, commercial and personal use fisheries, the rehabilitation and enhancement of existing fishery resources, and the development of new fisheries (ADF&G 2002).

Annual management reports of Kodiak Management Area (KMA) commercial salmon fisheries have been compiled since statehood. This report describes the KMA, provides an overview of the salmon resources, and explains the current KMA commercial salmon fisheries and the various harvest strategies that are in effect throughout the commercial salmon fishing season. In addition, this report will review recent and historical harvests and effort levels.

Beyond the scope of the text and tables, detailed supporting information is contained in a series of appendices. Appendices A1 through A8 are maps depicting the KMA and its commercial fishing districts. Appendices B1 through B2 depict fishing opportunity in space and time and list emergency orders issued during the season. Appendices C1 through C5 depict detailed information specific to the Cape Igvak fishery. Appendices D1 through D7 depict detailed information specific to the Alitak Bay District salmon fishery. Appendices E1 through E5 depict details of the Westside Kodiak salmon fishery. Appendices F1 through F6 depict detailed information specific to the North Shelikof Strait salmon fishery. Appendices G1 through G3

depict detailed information specific to the Eastside Afognak salmon fishery. Appendices H1 through H4 depict detailed information specific to the Spiridon Lake Terminal Harvest Area fishery. Appendices I1 through I4 contain information specific to the Eastside Kodiak District salmon fishery. Appendices J1 through J3 contain information specific to the North Afognak/Shuyak salmon fishery. Appendices K1 through K3 contain information specific to the Mainland District salmon fishery. Appendix L1 is a table detailing commercial salmon harvest by statistical week and management unit. Appendices M1 through M8 depict indexed peak salmon escapements by stream, species and district.

Due to the *M/V Exxon Valdez* oil spill, most of the KMA remained closed to commercial salmon fishing for the entire 1989 season. Where average harvest information is presented, 1989 may not be included in the averages. Tables and graphs in this report may not include 1989 data.

KODIAK MANAGEMENT AREA DESCRIPTION

The KMA comprises the waters of the western Gulf of Alaska surrounding the Kodiak Archipelago and along that portion of the Alaska Peninsula that borders the Shelikof Strait between Cape Douglas and Kilokak Rocks (Figure 1). The archipelago is approximately 150 miles long, extending from northeast to southwest. The Alaska Peninsula portion is about 160 miles long and is separated from the archipelago by Shelikof Strait, which averages 30 miles in width.

The regulatory description (5 AAC 18.100; ADF&G 2002) of the KMA is all waters of Alaska south of a line extending east from Cape Douglas at 58° 51.10' N lat., west of 150° W long., north of 55° 30.00' N lat., and north and east of a line extending 135° southeast from a point near Kilokak Rocks at 57° 10.34' N lat., 156° 20.22' W long. (the longitude of the southern entrance of Imuya Bay) for three miles, then due south.¹

SALMON RESOURCES

SALMON PRODUCING STREAMS

There are approximately 800 streams within the KMA in which salmon migration or spawning has been documented (ADF&G 1993). Of these, 440 streams have been documented to support yearly spawning populations of salmon (Table 1). The remainder are small streams that are usually used by pink salmon *Oncorhynchus gorbuscha* only in years with very large returns. Four streams support viable Chinook salmon *O. tshawytscha* stocks; 39 streams support sockeye salmon *O. nerka* stocks of varying size; 174 streams have coho salmon *O. kisutch* stocks; approximately 150 streams have chum salmon *O. keta* stocks; and all 440 streams support pink salmon stocks. Of these streams, 92 are located in the Mainland District and the remainder are located in the Kodiak Archipelago.

ESCAPEMENT GOALS

The ADF&G salmon management and research staff established escapement goal ranges for each salmon species. In 2004 the KMA commercial salmon fisheries were managed to achieve escapement levels that were within the established ranges for some individual systems.

¹ All latitudes and longitudes currently used in ADF&G Commercial Fishing Regulations are shown in decimal minutes and are based on North American datum of 1983 (5 AAC 39.997(b)). This document also follows that system.

Aggregated by district, the targeted escapement goal ranges for KMA salmon were 8,400 to 16,900 Chinook salmon, 1,279,000 to 1,888,000 sockeye salmon, 55,300 to 94,275 coho salmon, 1,007,000 to 3,021,000 odd-year and 2,398,000 to 5,994,000 even-year pink salmon², and 273,000 to 819,000 chum salmon (Table 2; Nelson and Lloyd 2001).

SUPPLEMENTAL PRODUCTION

Two hatcheries located in the KMA produced salmon to supplement natural salmon production (Figure 2). The Kodiak Regional Aquaculture Association (KRAA) operated the Kitoi Bay and Pillar Creek Hatcheries. The Kitoi Bay Hatchery, located on the east side of Afognak Island, produced primarily pink salmon; however, sockeye, chum, and coho salmon were also cultured (Honnold and Aro 2004). Outstocking of juvenile coho and sockeye salmon fry occurred, but the majority of the salmon are intended to return to the hatchery for common property harvest (in 2003 and 2004, cost recovery fisheries also occurred at the Kitoi Bay Hatchery). Pillar Creek Hatchery, located north of the City of Kodiak at Monashka Bay, was used primarily as an incubation facility for sockeye salmon outstocking projects, however, Chinook and coho salmon were also reared at the facility (Honnold and Bryne 2004).

The Kodiak Regional Planning Team (KRPT³) has identified sockeye salmon as the priority species for supplemental production. Through the use of remote egg takes and hatchery incubation, sockeye salmon juveniles were being stocked to enhance future sockeye salmon harvests through put-and-take projects, development of brood stock, and to restore systems with depleted runs. Sockeye salmon were outstocked at Spiridon, Hidden, Crescent, Little Waterfall, and Big Waterfall Lakes. Sockeye salmon were stocked for broodstock development in Little Kitoi Lake. 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.

The ADF&G Division of Sport Fish (SFD), in conjunction with KRAA, has stocked coho salmon fingerlings and smolt and Chinook salmon smolt to produce put-and-take sport fisheries and enhance sport fishing opportunities along the Kodiak road system. Chinook salmon smolt were outstocked into Island and Mission Lakes near the city of Kodiak until 1995, and then into the Buskin River in 1995 and 1996. A new smolt stocking project was conducted, and annual Chinook salmon stocking of Monashka Creek began in 2002. Coho salmon fingerlings were stocked into Island, Mayflower, Dark, Mission, and Potato Patch Lakes near the city of Kodiak. Coho salmon smolt are stocked in Monashka Creek in some years including 2004.

Supplementing KMA salmon fisheries is an ongoing long-term project. A goal of the Kodiak Regional Comprehensive Salmon Plan was 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 by the year 2003 (Kodiak Regional Planning Team 1992). To date, the peak years of supplemental production have produced an undetermined number of Chinook, and an estimated additional 796,359 sockeye, 209,259 coho, 13,126,761 pink, and 466,205 chum salmon to the annual harvest (Table 3).

² Pink salmon production in individual systems is highly cyclical due to the pink salmon fixed 2-year life cycle.

³ The KRPT is a group consisting of representatives of ADF&G, regional aquaculture associations, and the public, mandated by Alaska Statutes (16.10.375-470) to develop and amend comprehensive salmon production plans for salmon production regions.

NON-LOCAL SALMON IN THE KODIAK MANAGEMENT AREA

Salmon tagging studies have been conducted in the KMA to aid management of commercial fisheries. These studies were performed to determine presence or absence of major stocks at a particular time and place and average travel time through fishery management units, not to determine stock compositions. The earliest tagging study was conducted in 1927 (Rich and Morton 1929) and there were intermittent tagging studies through 1981 (Bowe 1941; Bevan 1959; Simon et al. 1969; Nicholson 1978; Tyler et al. 1986). Most tagging studies occurred along the south and west sides of the Kodiak Archipelago to study the migration of sockeye salmon traveling to the major systems of Kodiak Island (Karluk, Ayakulik, Upper Station, and Frazer). Some sockeye salmon tagging was done along the north and east sides of the archipelago (Tyler et al. 1986) and at the southwest end of the KMA, along the Alaska Peninsula near Wide Bay (Simon et al. 1969). Salmon migrating through KMA waters to the Chignik and Cook Inlet Management Areas were documented in some of those studies. Other tagging studies have documented the migration of salmon from Cook Inlet and South Alaska Peninsula waters to Kodiak Island waters (Noerenberg and Calkins 1959; Eggers et al. 1987).

Chinook salmon of Oregon, Washington, British Columbia, Southeast Alaska, and Cook Inlet origin have been documented in the KMA from coded wire tag (CWT) recoveries (Clark and Nelson 2001). CWT recovery projects were conducted in 1994, and 1997 through 1999. The majority of the non-local Chinook salmon documented by these studies were from British Columbia hatcheries and it was concluded that there was only a low incidental harvest of Cook Inlet Chinook salmon. The only local Chinook salmon stock within the KMA that has been marked with CWT was hatchery produced Chinook salmon fry released into the Buskin River; no Kodiak wild stock Chinook salmon were marked with CWT prior to, during, or since this study.

The most recent attempts at estimating sockeye salmon stock composition within the KMA have involved studies that used scale pattern analysis, run timing, and analysis of shifts in average weights of commercial catches (Barrett and Swanton 1992; Barrett and Nelson 1994; Swanton and Nelson 1994; Vining and Barrett 1994).

COMMERCIAL SALMON FISHING

BACKGROUND AND GEAR TYPES

The salmon resources of the KMA have been exploited commercially for over 150 years (Roppel 1986). Commercial sockeye salmon harvest records date back to 1882 (Table 4). 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. There were 608 commercial salmon permits for the KMA in 2004 (CFEC 2004; Table 5). The actual numbers of permits that are fished varies annually.

The KMA is one of 13 designated salmon net registration areas in the State of Alaska. Inseason management of the commercial salmon fishery is structured around seven districts (Appendix A1) subdivided into 56 sections. These sections are occasionally subdivided further inseason to adjust fishing effort on unexpected salmon surpluses or deficits. Each section defines a traditional geographic harvest area, managed for specific stocks or traditional fishing patterns. Divisions of sections or groups of sections or districts that are opened or closed together are referred to as management units. The Alaska Board of Fisheries (BOF) has also designated five

Terminal Harvest Areas (THA) within the KMA for the harvest of enhanced salmon fisheries (ADF&G 2002; Brennan et al. 2004).

In the KMA there are restrictions on which gear types can operate in specific management units based on historical gear use patterns, which are formalized into regulations (ADF&G 2002 5 AAC 18.330). The majority of the KMA is open to seine gear only. Both purse and beach seine gear are allowed to operate in the entire management area except for the Alitak Bay, Moser Bay, and Olga Bay Sections of the Alitak Bay District, where set gillnets are the only legal gear⁴. Gillnet and seine gear are both allowed in the Central Section of the Northwest Kodiak District, making this the only section where all gear types may operate. Since 1974, the geographical areas currently open to specific gear types have, with few exceptions, remained unchanged.

ESCAPEMENT MONITORING

The majority of sockeye salmon and all Chinook salmon escapement counts are obtained through the use of fish weirs (Table 6; Spalinger et al. 2005). Weirs were used on 8 different spawning systems (Figure 2). In the KMA salmon escapement passing through fish weirs is manually counted by species (Brennan et al. 2004). Escapement gates within the weir are closed when ADF&G personnel are not present to count. Escapement counts are transmitted daily from the weir locations to the Kodiak ADF&G office. These data allow for precise stock-specific management. The remainder of the KMA sockeye salmon systems are monitored by aerial observation using small, fixed-wing aircraft. Conversely, most pink, chum, and coho salmon estimates of buildup and escapement are collected from fixed-wing aircraft surveys of bays and streams. Foot surveys are also used 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 inseason to aid fishery management. A "peak indexed escapement" estimate is calculated postseason for all systems surveyed and, together with weir escapement data, an area wide escapement estimate is made (Table 7)⁵.

Additional preseason and inseason information on returning sockeye salmon run strength in the Alitak Bay District (Frazer and South Olga Lake stocks) is obtained from an ADF&G test fishery in Olga Narrows (Foster 2004). A 50-fathom gillnet is fished each day for a set time in a set location. Results are compared with past test fishery catch data versus actual salmon runs, to help predict the number of salmon passing through Olga Narrows.

⁴ This management unit was designated set gillnet only prior to Alaska being granted statehood. In 1970 this rule was amended such that the Moser and Olga Bay Sections remain gillnet only prior to September 5. Seine gear is then legal in the entire Alitak Bay District. The Dog Salmon Flats, Inner and Outer Akalura, and the Inner and Outer Upper Station Sections are normally closed to commercial fishing. In the event of overescapement, gillnet only "mop up" fisheries can occur in these sections.

⁵ Peak indexed escapement for sockeye, chum, and coho salmon is simply 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 longer stream life of pink salmon. Expansion of aerial or foot survey counts to estimate total run strength can be accomplished by various methods, and is done postseason by research staff. All escapement values in past Annual Management Reports are total counts from weirs plus peak index counts, and this document follows that methodology.

BOARD OF FISHERIES APPROVED REGULATORY MANAGEMENT PLANS

Several BOF approved "Management Plans" (MP), which describe biological and allocative constraints, guide the KMA staff when regulating commercial salmon fisheries. These plans are part of the Kodiak Area Commercial Salmon Fishery Regulations (ADF&G 2002). Ten regulatory MPs were in effect for the KMA in 2004 (Table 8). These management plans reflect traditional fishing opportunities and the subsequent harvest allocations that have resulted between and within gear types participating in specific fisheries.

Six MPs establish the harvest strategies that have developed over time to maintain the biological integrity of local salmon stocks and the allocative concerns of local KMA fishers. These plans include the Alitak Bay District Salmon MP, the Westside Kodiak MP, the Eastside Afognak MP, the Eastside Kodiak Salmon MP, the Mainland District Salmon MP and the North Afognak/Shuyak Island Salmon MP. Two MPs, the Cape Igvak Salmon MP and the North Shelikof Strait Sockeye Salmon MP, affect Kodiak purse seine fishers opportunity to target salmon migrating through the KMA to spawning systems in the Chignik and Cook Inlet Management Areas. The Crescent Lake Coho Salmon MP and the Spiridon Lake Sockeye Salmon MP allocate stocked salmon from put-and-take fisheries developed by the ADF&G and the KRAA.

SALMON FORECASTS

Preseason salmon forecasts were developed jointly by ADF&G management and research biologists. Chinook, coho, pink and chum, salmon returns were predicted by broad geographic area, while individual forecasts were made for major sockeye salmon stocks. Projected harvests are estimated by fishery and geographic area (Table 9; Plotnick and Eggers 2004).

The forecasted 2004 commercial harvest of Chinook salmon was approximately 20,000 fish (Table 9). The sockeye salmon harvest was forecasted to be approximately 2,611,400 fish. This projection included formal forecasts for the major sockeye salmon systems of Karluk, Upper Station, Ayakulik and Dog Salmon (Frazer Lake), plus estimated harvests from minor sockeye salmon systems, supplemental production (from enhancement projects), the Cape Igvak Section projected harvest, and other miscellaneous systems. Preseason forecasts also predicted a harvest of 495,200 coho, 19,545,000 pink and 1,219,400 chum salmon. These estimates also included supplemental production of salmon from enhancement projects (Table 10).

2004 COMMERCIAL SALMON HARVEST STRATEGY

Salmon run timing by species within the KMA follows a general chronology (Figure 3). Generally there are early-run sockeye salmon present throughout June to about mid-July and late-run sockeye salmon present from mid-July through October. Chinook, pink and chum salmon are available from July through August. Coho salmon are generally present from August through October. Commercial salmon fisheries are structured around the seasonal abundance of each salmon species.

The 2004 Kodiak Area Commercial Salmon Fishery Harvest Strategy, released in May 2004, outlined the approaching fishing season (Brennan et al. 2004). This document contained a synopsis of the expected chronology of the 2004 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.

The 2004 harvest strategy listed June 5 as the initial opening date of the salmon fishery to target early-run sockeye salmon (Figure 3). The areas to be opened included the Central and North Cape Sections of the Northwest Kodiak District. The results of this 33-hour commercial test fishery were used to evaluate the actual run strength of the Karluk and Ayakulik early-run sockeye salmon stocks. The Outer Kitoi Bay, Inner Kitoi Bay, Duck Bay and Izhut Bay Sections, along with the Terminal Harvest Areas of Malina Creek, Foul Bay and Waterfall Bay were also slated to be opened on June 5. The Alitak Bay District was scheduled to open on June 9. However, the 2004 MP listed June 5 as a possible opening date if the run strength of early-run sockeye salmon to the Frazer and Upper Station systems were sufficiently strong. The intent was to allow harvest on the Upper Station early-run sockeye salmon before peak escapement into the Frazer system. The Alitak Bay District would only open for 33 hours with no possible extensions.

A second fishing period was scheduled for June 9, with extensions possible if early-run sockeye and chum salmon escapements were within or above desired levels. Additionally, more areas could be opened during the second period if sockeye salmon escapements to local minor systems were of sufficient strength. After June 10, additional fishing time in Westside fisheries was to be based solely on the strength of the sockeye salmon runs, as determined by escapements.

Additional fishing periods were scheduled for June 14 and 21 for select systems with minor sockeye salmon returns. This period includes the Eastside Kodiak District, the Northwest Afognak Section and the Big River and Outer Kukak Bay Sections. These periods were intended to evaluate the strength of runs to Saltery, Ocean Beach, Thorsheim, Long Lagoon, Swikshak, and Kafliia Lake systems and were to be 33 hours long.

The initial fishing period targeting pink salmon was scheduled to begin July 6, and projected weekly fishing periods for July and August were published (Brennan, et al. 2004). Based on the predicted pink and chum salmon run strength, the initial general pink salmon opening was set at 4.4 days (105 hours), with fishing periods following in July and August set at 4.4 days (105 hours) per week. However, in the Mainland District, the first three periods were scheduled to be 2.4 days (57 hours) in length.

COST RECOVERY

The KRAA conducted a cost recovery program in the 2004 KMA commercial salmon fishery. The KRAA implemented four other cost recovery programs during 1987-1989 and again in 2003 (Honnold and Aro 2004). The annual cost recovery goal was set at approximately \$500,000. The purpose was to raise funds for operations at the Kitoi Bay Hatchery. The MP set the dates at July 20 - August 31, and the harvest was intended to take place primarily within Inner Kitoi Bay Section.

GENERAL HARVEST INFORMATION

As mentioned previously, there are several regulatory management plans and harvest strategies that influence the management of the KMA salmon fisheries. The detailed prosecution of each of these management plans and summaries for the 2004 KMA salmon fisheries are described in Appendices C - K.

Appendix L contains a detailed table of the 2004 commercial salmon harvest in the KMA, by week, for each management unit, for all gear types combined.

2004 COMMERCIAL SALMON FISHERY SUMMARY

The 2004 Kodiak commercial salmon fishery began on June 5 with a 33-hour fishing period in the Central and North Cape Sections of the Northwest Kodiak District and the Alitak Bay District (Appendices B1 and B2). Prior to 2003, the first fishing period began on June 9. However, sockeye salmon run timing has been consistently earlier in recent years, with much or all of the desired escapement through the Karluk River fish counting weir occurring prior to the first commercial salmon fishing period. The early fishing period served as a commercial test fishery to evaluate the actual return strength of the Karluk, Ayakulik, Upper Station, and Frazer early-run sockeye salmon stocks. The Alitak Bay District opened for 33 hours at NOON on June 9 but was not extended. The Outer Kitoi Bay, Inner Kitoi Bay, Duck Bay and Izhut Bay Sections along with the Terminal Harvest Areas of Malina Creek, Foul Bay and Waterfall Bay initially opened on June 5 (Appendix B2). Fisheries extended over a 119-day period, with the last reported landing occurring on September 20 (Appendix L1.). A total of 13 shore-based plants processed salmon from the 2004 KMA fishery (Table 11).

GEAR

A total of 305 KMA commercial salmon fishing permits holders reported harvests in 2004. This was the same as the previous 2003 season but below the recent 10-year (1994 to 2003) average (392 permits; Table 5). Seine participation once again declined in 2004 with 141 fished permits. Set gillnet participation in the 2004 KMA commercial salmon fishing season increased (164 permits) from the 2003 season (160 permits). Participation was above the recent 10-year average (163 permits; Table 5).

HARVEST

A total of 27,247,146 salmon were harvested in the KMA commercial fisheries, which was slightly above the 10-year (1994-2003) average of 20,819,654 salmon (Table 4).

Seine fishers caught 83.2% of the total number of salmon harvested (Table 12), which included 58.1% of the sockeye, 88.2% of the pink, and 81.4% of the chum salmon harvest. Set gillnet fishers caught 16.8% of the commercial salmon harvest (Table 12), which included 41.9% of the sockeye salmon harvest.

CHINOOK SALMON

The Chinook salmon harvest (28,899) was more than the 1994-2003 average (18,263; Table 4) and above forecast (20,000; Table 9). The average weight for Chinook salmon was 11.36 pounds (Table 12). The majority of the Chinook salmon harvest was taken by seine fishers during June and early July in the Southwest Afognak Section and the Northwest Kodiak District (Appendix L1).

SOCKEYE SALMON

The sockeye salmon harvest (4,165,880; Table 4) was above forecast (2,611,400; Table 9) and above the 1994-2003 average catch (3,454,033; Table 4). The average weight for sockeye salmon was 5.29 pounds (Tables 12). Detailed information regarding sockeye salmon harvests by management area can be found in Appendices C–K.

COHO SALMON

The coho salmon harvest (489,871; Table 4) was just below forecast (495,200; Table 9) but above the 1994-2003 average (348,557; Table 4). Average weight (7.68 pounds; Tables 12) was similar to last year but slightly lower than other recent years. Westside fisheries caught approximately 208,900 coho salmon (forecast 201,700; Table 9), the eastside/north end Kodiak catch was 50,800 coho salmon (forecast 50,400) and Afognak wild stock harvest included 67,800 coho salmon (forecast 33,600). The Kitoi Bay Hatchery coho salmon harvest was 128,300 which was below the hatchery forecast of 159,000 (Table 9).

PINK SALMON

Based on the preseason forecast, fishing periods in July were set at 4.4 days per week, except for the Mainland District fisheries where a maximum of 2.5 days per week were allowed through July 25 (Brennan et al. 2004). The wild pink salmon returns were variable; however the runs were near escapement objectives for all districts and fishing periods proceeded as scheduled with open-ended extensions in many areas.

Overall, the pink salmon harvest (21,440,641; Table 4) was above the forecasted harvest (19,545,000; Table 9) and well above the most recent five even-year (1994-2002) average (12,393,430; Table 4). The average weight (3.64 pounds; Table 12) of the 2004 pink salmon catch was similar from recent year's harvest. The non-hatchery pink salmon harvest of approximately 17,478,200 was over the harvest projection (12,000,000), with Westside fisheries (Southwest Afognak to Ayakulik) accounting for more than 70% of the estimated total (Afognak non-hatchery harvest plus Westside Kodiak; harvest 15,148,500, forecast 8,750,000; Table 9). Fisheries associated with the Kitoi Bay Hatchery caught approximately 3,962,400 pink salmon (forecast 7,545,000; Table 9).

Market conditions determined overall harvest with local processors limiting where fishermen could fish and how much they could catch.

CHUM SALMON

The chum salmon harvest (1,121,855) was slightly below forecast (1,219,400; Table 9) but above the 1994-2003 average (860,556; Table 4). Chum salmon average weight was 7.66 pounds (Table 12). Westside fisheries caught 518,700 chum salmon (forecast 371,900; Table 9), Eastside/Northend Kodiak catches totaled approximately 104,700 chum salmon (forecast 165,300), and Mainland catches totaled about 149,400 chum salmon (forecast 206,600). The Kitoi Hatchery chum salmon harvest (239,600) was less than the hatchery forecast of 393,000 (Table 9).

EXVESSEL VALUE

The estimated total exvessel value of the 2004 fishery was \$19,897,023.28 (Table 12), which was slightly below the 1994 through 2003 average value of \$20,820,948 (Table 13). This exvessel value was based on fish ticket information. The average price per pound, by gear and species, can be found in Table 12. These values do not reflect additional payments made to fishers for dock deliveries or refrigerated or iced fish, or post-season adjustments.

Purse seine fisher's gross earnings averaged \$97,396.50 (Table 12) compared to the 1994-2003 average of \$87,928 (Table 13). Gillnet fishers gross earning per permit holder averaged \$37,586.08 (Table 12) compared to the 1994-2003 average of \$44,084 (Table 13).

COST RECOVERY

The KRAA began a cost recovery operation on August 4. The operation continued to harvest salmon through August 17. The majority of the salmon were harvested in the Inner Kitoi Bay Section and included 1,887,159 pink salmon and 294 chum salmon.

SALMON STOCK STATUS

In 2004, 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 Creek outlet and at the Frazer Lake fish pass), and South Olga Lakes (at the outlet of S. Olga Creek at Upper Station), and also on the smaller systems of Afognak Lake (at Litnik), Buskin Lake, Laura Lake (at Pauls Bay), and at Malina Creek. (Table 6; Figure 2). In 2004, three observers made 226 aerial observations of KMA streams and 6 observers made approximately 40 foot or skiff survey estimates of streams (Appendix M2 - M8).

CHINOOK SALMON

The KMA Chinook salmon indexed escapement totaled 32,939 fish in 2004 (Table 2). The aggregate Chinook salmon escapement goal (8,400-16,900) was exceeded. There were 24,830 Chinook salmon counted through the Ayakulik River weir (Table 6) which exceeded the escapement goal range of 4,800 - 9,600 (Nelson and Lloyd 2001). The Karluk River escapement was 7,525 Chinook salmon (Table 6), exceeding the escapement goal range of 3,600 - 7,300 (Nelson and Lloyd 2001). Dog Salmon Creek has an introduced run of Chinook salmon and a total of 575 were counted through the Dog Salmon weir (Table 6).

Recent Chinook salmon escapements to the Ayakulik River have been very strong. Since 1995, Ayakulik Chinook escapements have exceeded the current escapement goal (4,800 to 9,600), averaging 15,934 salmon. The 2004 Ayakulik escapement (24,830 Chinook salmon) was the largest recorded (Spalinger et al. 2005). Recent Karluk River Chinook salmon runs have been fair to good. Since 1995, Karluk Chinook escapements have met the current escapement goal (3,600 to 7,300), and averaged 9,632 Chinook salmon. However, during the past several years the abundance of Karluk Chinook salmon has decreased. After a relatively poor run in 2001 (4,453 Chinook salmon), the 2002, 2003, and 2004 escapements (7,175, 7,256, and 7,525 Chinook salmon respectively) have been near the upper goal (Spalinger et al. 2005).

Given the proximity of the Karluk and Ayakulik Rivers, it is unexpected that the Karluk Chinook run has been relatively weak compared to the Ayakulik, as these runs have performed somewhat similarly in past years. Environmental conditions for spawning, rearing, and out migration have been similar. It can be assumed that ocean conditions for these two Chinook stocks were similar, though mixing and ocean migration patterns are not known. There has been concern that large numbers of Karluk Chinook salmon could possibly be harvested during commercial fisheries in the Inner and Outer Karluk Sections, which had lengthy fishery openings due to unusually early and strong Karluk sockeye salmon runs. However, the commercial harvest of Chinook salmon from the Inner and Outer Karluk Sections has remained relatively low, especially in comparison to the early-run Karluk sockeye salmon (Appendix L1).

SOCKEYE SALMON

Sockeye salmon escapements for major and selected minor systems were enumerated through the use of fish counting weirs (Table 6). Fish counted into weired systems accounted for about 85%

of all documented sockeye salmon escapements in 2004. A total of 1,555,541 sockeye salmon were counted through KMA weirs. Additional escapements of 280,550 sockeye salmon were estimated by aerial and foot surveys into other systems such as Pasagshak Lake, Kafliia Lake, Uganik Lake, and Swikshak Lagoon. The 2004 total indexed sockeye salmon escapement was 1,836,091 salmon (Table 2). The escapement objective range for all systems is 1,279,000 - 1,888,000 sockeye salmon (Table 2). Sockeye salmon escapements for the KMA districts with desired goals met or exceeded district escapement goals. The only system that did not meet the desired goal (40,000 to 60,000 fish; Nelson and Lloyd 2001) was Afognak Lake (Table 6). A more detailed summary of specific systems can be found in Appendices M1-M8.

COHO SALMON

Estimating coho salmon escapements to KMA streams can be difficult. Coho salmon often do not migrate into streams to spawn until late in the fall when rains cause the water levels to rise. The high waters create difficult survey conditions due to reduced stream water clarity. Coho salmon escapements continue until late in the year (often into November), and late season escapement surveys are also limited by budget constraints. As a result, escapement goals developed for coho salmon systems are considered interim objectives; that is, the goals relate to the escapement up to early to mid-September. Achievement of these goals is indicative of a good coho salmon run, rather than estimating the total escapement. Many of the major and minor coho salmon streams have weirs. Coho salmon counted into systems with weirs account for 47% of the documented coho salmon escapement. Overall, coho salmon escapements in 2004 appeared good, with the escapement estimated at 71,456, within the 55,300 - 94,275 escapement goal range (Nelson and Lloyd 2001; Table 2).

PINK SALMON

The 2004 pink salmon escapements met or exceeded the even-year escapement goals in all the KMA commercial salmon fishing districts. The majority of pink salmon escapements were monitored by aerial survey, with approximately 34% of the 2004 pink salmon escapement occurring in weired systems. Pink salmon escapements overall totaled 8,786,518 which was well above the even-year escapement goal range of 2,398,000- 5,994,000 pink salmon (Nelson and Lloyd 2001; Table 2). District-wide escapements and system specific surveys can be found in Appendices M1-8

CHUM SALMON

The 2004 chum salmon escapements in the Alitak Bay, Eastside Kodiak, and Mainland Districts met or exceeded the desired escapement goals. The Northwest, Southwest, and Northeast Districts chum salmon escapements did not meet established escapement goals. The majority of chum salmon escapement counts came from aerial surveys, with less than 1% of the 2004 chum escapement entering into weired systems. Aerial counts of chum salmon are subject to greater error than pink salmon counts in the KMA. 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. Further, several major KMA chum salmon systems along Kodiak's westside or along the Alaska Peninsula are very remote, limiting aerial observations. Aerial survey counts of chum salmon for the KMA are considered minimum estimates of actual escapement. Area wide, the indexed chum salmon escapement of 533,091 fish was within the escapement goal range of 273,000 - 819,000 fish (Nelson and Lloyd 2001; Table 2).

OTHER KODIAK MANAGEMENT AREA SALMON HARVESTS

SUBSISTENCE SALMON FISHERY

Subsistence salmon permits, available only to Alaska state residents, are issued annually to obtain harvest data. Since 1989 Kodiak ADF&G staff have mailed out permits, regulations, and a map showing closed water areas to eligible residents. Subsistence fishers are requested 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 is open to subsistence salmon fishing (ADF&G 2004). Only the freshwater systems of Afognak Island (which are relatively small, easily accessible, and at risk of overexploitation) and some areas near heavily exploited salmon systems are closed to subsistence salmon fishing (5 AAC 01.525).

The following subsistence harvest reports are preliminary for 2004. Many of the 2004 subsistence permits have been returned (92%) at the time this report was drafted (Table 14). Reported subsistence salmon harvests averaged 35,783 fish annually for the previous 10-year period (1994-2003; Table 14). Sockeye salmon have accounted for 78% of the harvest (27,753), followed by coho salmon at 17% (5,948), pink salmon at 4% (1,384), and both chum (349), and Chinook salmon (349) at close to 1%. In 2004, the preliminary reported subsistence harvest was 38,403 salmon. Subsistence fishers reported harvesting, 379 Chinook, 30,503 sockeye, 5,857 coho, 1,403 pink and 261 chum salmon. 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 Litnik (Figure 2). However, extremely low returns of sockeye salmon to Afognak Lake resulted in closures for subsistence fishing in Afognak Bay. For the third consecutive year, there was a joint effort with Kodiak ADF&G and United States Fish and Wildlife Service (USFWS) to close subsistence fishing by emergency order.

RETENTION OF SALMON TAKEN IN COMMERCIAL FISHERIES

In 1994 the BOF readopted Alaska Statute 5 AAC 39.001, which allows commercial fishermen to retain legally harvested salmon for their own use. In the KMA commercial fishermen are required to report the number of salmon taken but not sold on an ADF&G fish ticket at the time of landing (5 AAC 18.355 (b)). In 1997, 10 permit holders reported 784 salmon retained for their own use (Table 15). This use increased dramatically in 2003, when 36 permit holders retained 24,985 salmon (Table 15). 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 may be sold, the BOF discussed this issue in December of 2003. The original regulation (5 AAC 18.355(b)) was rewritten 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 as follows: “*A person engaged in commercial fishing may retain finfish from lawfully taken commercial catch for that person's own use, which includes, use for bait in a commercial fishery, unless otherwise prohibited by regulation or statute. Fish retained under this section may not be sold or used for barter.*”

In 2004, thirteen permit holders reported retaining 3,613 salmon from their commercial harvest for personal use. These included 8 Chinook, 3,052 sockeye, 290 coho, 253 pink and 10 chum salmon (Table 15). This represents a significant reduction from the amount retained in 2003.

SALMON SPORT FISHERY

Since the early 1980s, recreational and commercially guided sport fishing activities have increased, particularly in the more remote areas of the KMA (Schwarz et al. *In prep*; Table 16). Commercial sport activity includes lodge operations, charter vessels, guiding, and directed air charter flights. Many charter boat operations are based out of the City of Kodiak, and the number of charter boat operations has been increasing. Remote lodges are currently being operated at Karluk Lagoon, Ayakulik River mouth, Olga Bay, Larsen Bay, Old Harbor, Saltery Lake, Port Lions, Port Bailey, Raspberry Strait, Seal Bay, Port Williams, Zachar Bay, Uyak Bay, Ugak Bay, Uganik Bay, and Kukak Bay. Floating cabins are located in Karluk Lagoon and Paramanof Bay. Air charter operations from Kodiak and Homer bring sport fishers to KMA streams, as do aircraft from sport fishing lodges in Bristol Bay, the Alaska Peninsula, and the Kenai Peninsula. Fly-in sport fishing areas include virtually all KMA Chinook salmon and sockeye salmon systems, and most major coho salmon systems.

The ADF&G Sport Fish Division manages sport fishing activities. The KMA sport fishery salmon harvest is estimated by an annual Sport Fish Division statewide mail-out survey. The sport fish harvest statistics are compiled by sport fishing regulatory area, which does not correspond to commercial fishery area boundaries. Kodiak Archipelago sport fishery statistics are compiled, but the fisheries that occur in the Mainland District are combined with north and south Alaska Peninsula and Aleutian Island area statistics. Table 16 depicts estimated sport fishery salmon harvests from 1977– 2004 in the Kodiak Archipelago.

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TABLES AND FIGURES

Table 1.-Estimated number of anadromous streams in the Kodiak Management Area with significant salmon production by district, with species distribution.

Management District	Number of Streams ^a	Number of Streams with Each Species ^b				
		Chinook	Sockeye	Coho	Pink	Chum
Afognak	102	0	13	48	102	5
Northwest Kodiak	63	0	4	22	63	23
Southwest Kodiak	11	2	2	10	11	6
Alitak	30	1	5	15	30	14
Eastside Kodiak	116	1	8	32	116	47
Northeast Kodiak	26	0	1	20	26	9
Mainland	92	0	6	27	92	46
TOTAL	440	4	39	174	440	150

^a The State of Alaska's Habitat Division identified over 800 streams in the Kodiak Management Area that have documented use by anadromous fish (ADF&G 1993). Many of these streams are very small and may only be used by pink salmon in years with very large returns. The streams identified in this table are depicted on the Kodiak Area Salmon Statistical Map (Revised May 2003), and have documented annual use.

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

Table 2.-Salmon escapement goals versus 2004 estimated escapement, by species and district, in the Kodiak Management Area, 2004.

DISTRICT	CHINOOK ESCAPEMENT		SCKEYEE ESCAPEMENT		COHO ESCAPEMENT		PINK ESCAPEMENT		CHUM ESCAPEMENT	
	AGGREGATE GOAL	DISTRICT ESTIMATE	AGGREGATE GOAL	DISTRICT ESTIMATE	AGGREGATE GOAL	DISTRICT ESTIMATE	EVEN-YEAR DISTRICT GOAL	DISTRICT ESTIMATE	DISTRICT GOAL	DISTRICT ESTIMATE
	Lower		Lower		Lower		Lower		Lower	
	Upper		Upper		Upper		Upper		Upper	
AFOGNAK		2	70,000	90,480	12,950	17,672	145,000	266,888		4,541
			120,000		22,500		435,000			
NORTHWEST		0	55,000	102,100		8,050	315,000	1,158,200	46,000	41,200
			85,000				945,000		138,000	
SOUTHWEST	8,400	32,355	750,000	995,441	22,000	15,924	1,250,000	3,781,904	25,000	10,643
	16,900		1,100,000		38,000		2,550,000		75,000	
ALITAK		577	380,000	489,061	8,500	9,397	162,000	1,008,986	26,000	34,406
			535,000		14,500		486,000		78,000	
EASTSIDE		0	16,000	110,400	4,500	6,402	150,000	1,258,555	35,000	75,750
			35,000		8,000		450,000		105,000	
NORTHEAST		5	8,000	24,109	7,350	14,011	120,000	600,430	8,000	2,156
			13,000		11,275		360,000		24,000	
MAINLAND		0		24,500		N/A	256,000	711,555	133,000	364,395
							768,000		399,000	
TOTAL	8,400	32,939	1,279,000	1,836,091	55,300	71,456	2,398,000	8,786,518	273,000	533,091
	16,900		1,888,000		94,275		5,994,000		819,000	

Note: Aerial surveys were not accomplished for coho salmon in the Mainland District in 2004.

Table 3.-Estimated commercial harvest of salmon from Kodiak Regional Aquaculture Association projects in the Kodiak Management Area, 1994 to 2004.

Year	Number of Salmon ^a				
	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
<u>Average</u>					
1994-2003	399,175	116,022	4,810,990	150,536	5,476,722

Source: Honnold and Schrof (2001) and ADF&G fish ticket summaries.

^a Includes harvests from fisheries targeting returns to the Kitoi Bay Hatchery and Terminal Harvest Areas (THAs). The Kitoi Bay Hatchery harvests are from the Izhut Bay, Duck Bay, and Kitoi Bay Sections (statistical areas 252-30 to -32). THA harvests are from the returns to the Spiridon Lake project (in the Spiridon THA, 254-50, and adjacent Sections), the Foul Bay THA (251-41), the Waterfall Bay THA (251-84), and the Settlers Cove THA (259-35).

Table 4.-Commercial salmon harvest by species in the Kodiak Management Area, 1882 to 2004.

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

Year	Number of Salmon ^a					Total
	Chinook	Sockeye	Coho	Pink	Chum	
1931	1,541	1,183,074	170,075	6,839,906	183,737	8,378,333
1932	1,873	1,058,446	52,192	4,719,939	237,023	6,069,473
1933	1,140	1,428,373	91,428	6,573,660	536,935	8,631,536
1934	1,300	1,828,953	89,588	7,641,891	661,341	10,223,073
1935	1,393	1,613,519	76,849	10,780,612	381,753	12,854,126
1936	2,548	2,657,195	183,903	5,647,726	328,218	8,819,590
1937	1,257	1,881,304	164,902	16,787,150	346,238	19,180,851
1938	1,232	1,965,943	154,959	8,397,981	640,119	11,160,234
1939	2,272	1,786,445	112,171	11,741,218	641,693	14,283,799
1940	1,233	1,318,233	148,016	9,997,899	673,265	12,138,646
1941	2,571	1,730,201	199,515	7,601,531	444,521	9,978,339
1942	1,329	1,281,529	106,865	6,092,526	564,924	8,047,173
1943	1,133	1,990,557	59,661	12,479,608	454,205	14,985,164
1944	668	1,817,875	51,675	4,955,354	506,703	7,332,275
1945	2,021	2,041,090	60,122	9,044,544	559,332	11,707,109
1946	129	838,863	56,425	9,545,871	298,486	10,739,774
1947	99	993,394	76,230	8,856,666	294,518	10,220,907
1948	1,401	1,260,465	32,364	5,968,487	330,795	7,593,512
1949	851	892,336	53,737	4,927,779	699,548	6,574,251
1950	2,127	920,885	40,653	5,304,701	685,109	6,953,475
1951	2,402	467,875	48,792	2,100,377	483,057	3,102,503
1952	1,081	603,677	51,567	4,576,726	1,243,227	6,476,278
1953	2,991	317,150	41,681	5,174,645	547,574	6,084,041
1954	942	325,157	66,430	8,439,231	1,250,833	10,082,593
1955	2,428	164,482	34,582	10,794,164	482,425	11,478,081
1956	1,123	271,249	52,844	3,318,841	705,047	4,349,104
1957	1,030	234,253	34,995	4,716,482	1,208,472	6,195,232
1958	1,942	288,014	20,555	4,038,938	930,698	5,280,147
1959	1,837	330,087	14,512	1,967,058	733,784	3,047,278
1960	1,238	362,525	54,308	6,737,817	1,300,386	8,456,274
1961	864	407,979	28,579	3,926,023	518,935	4,882,380
1962	1,095	784,664	54,583	14,113,851	794,727	15,748,920
1963	286	407,040	57,011	5,480,158	305,061	6,249,556
1964	1,306	498,488	35,535	12,044,341	1,134,163	13,713,833
1965	786	346,237	26,672	2,886,831	431,340	3,691,866
1966	599	631,646	67,700	10,755,582	762,766	12,218,293
1967	1,753	308,756	10,354	187,813	226,681	735,357
1968	1,936	760,393	56,629	8,768,122	750,428	10,337,508
1969	2,469	591,481	48,759	12,500,823	534,933	13,678,465
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	2,942,801	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

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Table 4.-Page 3 of 3.

Year	Number of Salmon ^a					Total
	Chinook	Sockeye	Coho	Pink	Chum	
1979	1,907	630,756	140,629	11,285,809	358,336	12,417,437
1980	529	651,394	139,154	17,290,615	1,075,557	19,157,249
1981	1,418	1,288,949	121,544	10,336,747	1,345,313	13,093,971
1982	1,214	1,203,787	344,823	8,089,780	1,262,587	10,902,191
1983	3,839	1,231,989	157,612	4,603,371	1,085,165	7,081,976
1984	4,657	1,950,439	229,524	10,844,293	649,092	13,678,005
1985	4,970	1,842,731	284,166	7,334,825	430,757	9,897,449
1986	4,381	3,188,046	168,690	11,807,727	1,134,372	16,303,216
1987	4,613	1,794,224	192,433	4,920,365	680,994	7,592,629
1988	22,374	2,698,349	303,267	14,262,355	1,426,400	18,712,745
1989 ^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
Averages^b						
1994-2003	18,263	3,454,033	348,557	16,138,244	860,556	20,819,654
Even Years, 1994-2002				12,393,430		
Odd Years, 1995-2003				19,883,058		
1882-2004	4,797	1,814,620	123,976	7,378,743	609,035	9,438,745
1948-2004	7,315	1,616,670	150,884	9,635,156	803,811	12,213,835
Even Years, 1948-2004				10,455,797		
Odd Years, 1949-2003				9,894,700		

Source: 1882-1947 data are from processors case pack information. 1948-2004 data are from ADF&G fish ticket summaries and is considered more accurate than previous data

^a Does not include commercial catch retained for personal use or test fish catches.

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

Table 5.-Summary of limited entry permit activity in the commercial salmon fishery, by gear type, in the Kodiak Management Area, 1975-2004.

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
Average - Previous 10 Years:									
1994-2003	385	226	36	3	188	163	609	392	64
Average - Previous Decades:									
1990-1999	386	292	36	9	189	176	611	476	75
1980-1988	385	317	35	24	188	172	608	513	85
1975-1979	403	335	30	21	195	145	628	502	81
Average ^a - Overall									
1975-2004	388	286	35	14	189	165	612	465	76

Source: Commercial Fisheries Entry Commission Summary Information and Reports (CFEC 2004) 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 is not included in averages.

Table 6.-Fish weir installation and removal dates and salmon escapements for systems with weirs in the Kodiak Management Area, 2004.

Weir Locations	Dates		Salmon Species Enumerated					Totals
	Installed	Removed	Chinook	Sockeye	Coho	Pink	Chum	
Karluk River	5/22	10/6	7,525	720,227	11,186	1,522,675	95	2,261,708
Ayakulik River ^a	5/26	8/27	24,830	275,238	4,783	1,059,229	48	1,364,128
Dog Salmon River ^b	5/29	8/9	575	226,266	20	231,929	2,387	461,177
Frazer Lake fish pass	6/3	8/15	204	120,664	0	4,869	0	125,737
Upper Station Creek ^c	5/22	9/16	2	255,595	7,477	6,657	19	269,750
Buskin River	5/16	9/30	5	22,023	9,599	197,429	156	229,212
Lake Louise	6/2	8/31	0	2,086	0	0	0	2,086
Afognak River-Litnik ^d	5/10	8/6	2	15,181	492	9,563	40	25,278
Pauls Bay ^e	6/4	6/27	0	29,289	0	0	1	29,290
Malina ^f	5/28	6/28	0	9,636	0	0	0	9,636
Totals			32,939	1,555,541	33,557	3,027,482	2,746	4,652,265

Note: Since fish passing Frazer Lake fish pass were first counted at Dog Salmon River weir, total fish exclude Frazer Lake fish pass counts.

^a Counts include post weir estimates of 300 sockeye, 1,500 coho, and 13,500 pink.

^b Counts include post weir estimates of 3,000 sockeye and 65,000 pink.

^c Counts include a post weir estimate of 1,500 sockeye.

^d Counts include post weir estimates of 2,000 pink and 300 coho.

^e Counts include a post weir estimate of 600 sockeye.

^f Counts include a post weir estimate of 300 coho.

Table 7.-Indexed salmon escapements, by species, in the Kodiak Management Area, 1975-2004.

Year	Number of Salmon ^a					Total
	Chinook	Sockeye	Coho	Pink	Chum	
1975	3,059	704,801	29,634	1,100,555	156,761	1,994,810
1976	8,413	1,075,226	36,083	3,105,320	312,914	4,537,956
1977	13,804	1,269,374	59,095	2,212,488	742,384	4,297,145
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 ^b	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
Average - Previous 10 Years:						
1994-2003	24,939	1,839,826	188,094	5,361,978	549,966	7,964,803
Odd Years Only				5,257,515		
Even Years Only				5,466,442		
Average - Previous Decades:						
1990-1999	24,799	1,957,282	208,214	5,038,071	529,519	7,757,885
1980-1989	18,409	1,839,030	117,532	4,979,315	811,559	7,765,845
1975-1979	10,880	1,092,111	51,246	2,898,457	460,489	4,513,182
Average - Overall						
1975-2004	20,507	1,742,687	141,493	4,828,048	620,808	7,353,544

^a Data include peak counts from aerial and foot surveys, plus end of season totals from weired systems.^b Commercial fisheries were severely restricted in 1989 due to the M/V Exxon Valdez oil spill.

Table 8.—Alaska Board of Fisheries approved salmon management plans for the Kodiak Management Area, 2004.

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

Table 9.-Projected versus actual 2004 commercial salmon harvest, by species and fishery, for the Kodiak Management Area.

	Chinook	Sockeye	Coho	Pink	Chum	Total
Projected Harvest 2004 ^a	20,000	2,611,400	495,200	19,545,000	1,219,400	23,891,000
Actual Harvest 2004 ^a	28,899	4,165,880	489,871	21,440,641	1,121,855	27,247,146

FISHERY	2004 Harvest ^a	
	Projection ^b	Actual ^c
Early Sockeye Salmon Fisheries (6/5-7/15)		
Kitoi Bay Hatchery ^d	0	20,100
Cape Igvak ^e	151,700	178,500
Karluk ^f	510,000	1,284,400
Ayakulik ^g	91,000	197,400
Alitak Bay District ^h	222,000	642,800
Minor Systems ⁱ	45,000	11,100
Minor Enhancement ^j	73,800	43,100
Spiridon ^k	239,000	120,200
Other	130,000	118,100
Subtotal	1,462,500	2,615,700
Late Sockeye Salmon Fisheries (7/16-10/31)		
Kitoi Bay Hatchery ^d	0	18,000
Cape Igvak ^e	106,900	0
Karluk ^f	481,000	836,800
Ayakulik ^g	20,000	62,900
Alitak Bay District ^h	383,000	514,200
Minor Systems ⁱ	10,000	15,400
Spiridon ^k	98,000	61,000
Other	50,000	41,900
Subtotal	1,148,900	1,550,200
TOTAL SOCKEYE	2,611,400	4,165,900
Pink Salmon Fisheries (7/6-10/31)		
Kitoi Bay Hatchery ^d	7,545,000	3,962,400
Afognak (Wild) ^l	350,000	2,513,600
Westside Kodiak ^m	8,400,000	12,634,900
Alitak ⁿ	2,100,000	1,420,200
Eastside/Northend Kodiak ^o	700,000	625,900
Mainland ^p	450,000	283,600
Subtotal	19,545,000	21,440,600

-continued-

Table 9.-Page 2 of 2.

FISHERY	2004 Harvest ^a	
	Projection ^b	Actual ^c
Chum Salmon Fisheries (6/5-10/31)		
Kitoi Bay Hatchery ^d	393,000	239,600
Afognak (Wild) ^l	16,500	71,100
Westside Kodiak ^m	371,900	518,700
Alitak ⁿ	66,100	38,400
Eastside/Northend Kodiak ^o	165,300	104,700
Mainland ^p	206,600	149,400
Subtotal	1,219,400	1,121,900
Coho Salmon Fisheries (8/1-10/31)		
Kitoi Bay Hatchery ^d	159,000	128,300
Afognak (Wild) ^l	33,600	67,800
Westside Kodiak ^m	201,700	208,900
Alitak ⁿ	33,700	15,900
Eastside/Northend Kodiak ^o	50,400	50,800
Mainland ^p	16,800	18,200
Subtotal	495,200	489,900
GRAND TOTAL ^q	23,891,000	27,247,100

^a In number of salmon (rounded to nearest hundred). Does not include subsistence, sport, homepack, or ADF&G test fish harvests.

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

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

^d From the Duck Bay, Izhut Bay, and Kitoi Bay Sections only. An additional 165,600 fish harvested in parts of the Southeast Afognak Section(252-33) and Northeast Afognak Section (252-10 and 252-20) likely were bound for the Kitoi Bay hatchery, but are listed under Afognak (Wild).

^e From the Cape Igvak Section. Early run is from the beginning of 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.

^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 Bay District.

ⁱ From minor systems at Inner and Outer Ugak Bay (Saltery), Buskin River, Perenosa Bay (Portage), Northwest Afognak (Thorsheim & Long Lagoon), Big River (Swikshak), and Outer Kukak Bay (Kafliia & Kuliuk) Sections.

^j From the Foul Bay, Waterfall Bay, and Settler Cove Terminal Harvest Areas. Enhancement project sockeye salmon production 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 Lake Terminal Harvest Area, plus an estimate of Spiridon-bound sockeye taken in adjacent areas.

^l From the Afognak District except for the Duck, Izhut, and Kitoi Bay Sections.

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

ⁿ From the Alitak Bay District.

^o From the Eastside Kodiak District, Northeast Kodiak District, and the North Cape, Anton Larson, Sharatin, and Kizhuyak Sections, plus part of the Central Section (258- and 259-).

^p From the Mainland District.

^q Includes a projected 2004 harvest of 20,000 Chinook salmon, and the actual harvest of 28,900 Chinook salmon.

Table 10.-Preliminary commercial harvest and forecasts of salmon available for harvest from Kodiak Regional Aquaculture Association stocking projects in the Kodiak Management area, 2004.

System	Species	Forecast			Expected Harvest	Estimated Harvest ^a	Statistical Areas
		Estimate	Low	High			
Spiridon Lake ^{b,c}	sockeye	337,000	178,000	421,000	337,000	184,817	254-50 & Other
Foul Bay THA ^b	sockeye	32,200	13,000	72,300	32,200	19,729	251-41
The Waterfall Lakes ^{b,d}	sockeye	38,000	25,000	72,200	38,000	23,375	251-84
Crescent Lake ^b	sockeye	3,600	800	15,100	3,600	0	259-35
	coho	3,300	2,500	4,100	3,300	0	259-35
Kitoi Bay Area ^e	pink	7,900,000	6,200,000	9,300,000	7,550,000	3,962,421	252-30, 252-31, 252-32
	chum	423,000	331,000	551,000	393,000	239,610	252-30, 252-31, 252-32
	coho	165,000	143,000	200,000	159,000	128,291	252-30, 252-31, 252-32
	sockeye ^f	8,800	5,900	11,700		38,229	252-30, 252-31, 252-32
Katmai Lake	coho	750	500	1,000	750	0	
Totals	pink	7,900,000	6,200,000	9,300,000	7,550,000	3,962,421	
	chum	423,000	331,000	551,000	393,000	239,610	
	coho	169,050	146,000	205,100	163,050	128,291	
	sockeye	419,600	222,700	592,300	410,800	266,150	

^a Actual harvests include commercial and personal use harvest data obtained from the ADF&G fish ticket data base, subsistence data are not included.

^b Barrired systems and/or with Terminal Harvest Areas.

^c Spiridon Lake THA harvest was 75,775 sockeye salmon; the remaining 59% of the Spiridon Lake salmon were harvested in other net fisheries along the westside of the Kodiak Management Area.

^d Estimated harvest of Little and Big Waterfall Lakes sockeye salmon are combined.

^e Pink, chum, coho salmon forecast estimates include broodstock needed for the Kitoi Hatchery program.

^f From Little Kitoi Lake stocking.

Table 11.-Commercial salmon buyers and processors, Kodiak Management Area, 2004.

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					
Alaska Fresh Seafoods	X					
Deep Creek Custom Packing			X			
Ocean Beauty Seafoods Kodiak	X					
Kodiak Smoking and Processing		X				
Global Seafoods	X					
Norman Botz M/V Silver Sword				X		
Plitt Company			X			
Ocean Beauty Seafoods Alitak		X				
Kodiak Salmon Packers		X				
Family Pride Inc. F/V Family Pride				X		
Bruce Schactler F/V Natalia				X		
Bob Bohay M/V Moon Dance				X		
Island Seafoods	X					
Alpine Cove F/V Alpine Cove				X		
Alchemist Inc. F/V Alchemist				X		
Aeronautical Mark Patterson				X		
Alaska Mariners Steven Roth				X		
Sam Haughey					X	
Totals	7	3	3	8	1	0

Table 12.-Commercial salmon harvest and value, by gear and species, in the Kodiak Management Area, 2004.

	Number of Salmon					Total	%
	Chinook	Sockeye	Coho	Pink	Chum		
Purse Seine							
Total number ^a	24,549	2,422,918	407,319	18,901,400	913,068	22,669,254	83.2
<u>Avg. Wt.</u>	<u>11.42</u>	<u>5.24</u>	<u>7.64</u>	<u>3.61</u>	<u>7.66</u>		
Total Lb. ^a	280,398	12,694,071	3,109,951	68,177,710	6,997,039	91,259,169	80.9
<u>Avg. \$/Lb.</u> ^b	<u>\$0.63</u>	<u>\$0.56</u>	<u>\$0.26</u>	<u>\$0.07</u>	0.11		
Exvessel \$	176,726.15	7,137,968.26	808,184.97	4,854,536.89	755,490.28	\$13,732,906.55	69.0
# of Permits =	141						
Average Value/Permit	1,253.38	50,623.89	5,731.81	34,429.34	5,358.09	\$ 97,396.50	
Percent %	1.29	51.98	5.89	35.35	5.50	100.00	
Set Gillnet							
Total number ^a	4,350	1,742,962	82,552	2,539,241	208,787	4,577,892	16.8
<u>Avg. Wt.</u>	<u>10.97</u>	<u>5.36</u>	<u>7.94</u>	<u>3.90</u>	<u>7.66</u>		
Total Lb. ^a	47,731	9,346,976	655,398	9,902,950	1,598,979	21,552,034	19.1
<u>Avg. \$/Lb.</u> ^b	<u>\$0.84</u>	<u>\$0.55</u>	<u>\$0.24</u>	<u>\$0.06</u>	<u>\$0.11</u>		
Exvessel \$	40,150.72	5,157,154.63	159,648.62	631,248.71	175,914.06	\$ 6,164,116.74	31.0
# of Permits =	164						
Average Value/Permit	244.82	31,446.06	973.47	3,849.08	1,072.65	\$ 37,586.08	
Percent	0.65	83.66	2.59	10.24	2.85	100.00	
Total All Gear^c							
Total number ^a	28,899	4,165,880	489,871	21,440,641	1,121,855	27,247,146	100.0
<u>Avg. Wt.</u>	<u>11.35</u>	<u>5.29</u>	<u>7.69</u>	<u>3.64</u>	<u>7.66</u>		
Total Lb. ^a	328,129	22,041,047	3,765,349	78,080,660	8,596,018	112,811,203	100.0
<u>Avg. \$/Lb.</u> ^b	<u>\$0.67</u>	<u>\$0.56</u>	<u>\$0.26</u>	<u>\$0.07</u>	<u>\$0.11</u>		
Exvessel \$	216,876.86	12,295,122.89	967,833.58	5,485,785.60	931,404.34	19,897,023.28	100.0
% of Total Value	1.09	61.79	4.86	27.57	4.68		100.0
ADF&G Test Fishery							
Total number ^a	0	683	0	11	8	702	0.0
<u>Avg. Wt.</u>	<u>0.00</u>	<u>5.03</u>	<u>0.00</u>	<u>3.64</u>	<u>8.13</u>		
Total Lbs. ^a	0	3,435	0	40	65	3,540	0.0
<u>Avg. \$/Lb.</u> ^b	<u>\$0.00</u>	<u>\$0.54</u>	<u>\$0.00</u>	<u>\$0.06</u>	<u>\$0.05</u>		
Exvessel \$	0.00	1,869.89	0.00	2.21	3.25	\$ 1,875.35	0.0

^a Numbers and pounds of fish are derived from ADF&G fish ticket summaries. There were 15,027 fish tickets generated in 2004; each ticket represents a landing. Each gear type had the following landings: Purse Seine - 5,687; Beach Seine - 0; Set Gillnet - 9,315; and Test Fishery - 25. Does 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 ticket 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.

^c Total for all gear does not include test fish harvest.

Table 13.-Estimated commercial salmon harvest and value, by gear type, in the Kodiak Management Area, 1970-2004.

Year	Total Catch ^a	Total Value ^b	Average Exvessel Value ^c		
			Purse Seine	Gillnet	Beach Seine
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	\$3,649
1999	17,780,488	\$34,090,487	\$108,951	\$57,744	\$7,342
2000	14,373,531	\$23,096,064	\$74,618	\$36,711	\$15,251
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	19,617,246	\$16,681,878	\$81,420	\$30,475	\$0
2004	27,247,848	\$19,898,899	\$97,396	\$37,586	\$0
Average - Previous 10 Years:					
1994-2003	20,820,948	\$27,408,551	\$87,928	\$44,084	\$6,139
Average ^e - Previous Decades:					
1990-1999	21,283,657	\$36,724,295	\$94,175	\$51,932	\$7,549
1980-1988 ^f	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					
1970-2004	15,221,196	\$26,629,363	\$71,694	\$34,827	\$9,879

-continued-

Table 13.-Page 2 of 2.

Source: ADF&G Annual Management Reports and Commercial Fisheries Entry Commission reports.

- ^a Number of fish. Includes commercial harvest, test fisheries, and Kitoi Bay Hatchery cost recovery harvests.
 - ^b Exvessel values for 1970-1976 and 2003-2004 are based on inseason price estimates, and do not include postseason adjustments. Values from 1977-88 and 1990-00 are from Commercial Fisheries Entry Commission reports.
 - ^c 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).
 - ^d 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.
 - ^e 1989 data not included in averages.
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Table 14.-Subsistence salmon fishery harvest from Alaska Department of Fish and Game permit reports, by species, for the Kodiak Management Area, 1970-2004.

Year	Permits Issued	Permits Returned	Percent Returned	Subsistence Harvest in Number of Salmon					
				Chinook	Sockeye	Coho	Pink	Chum	TOTAL
1970	213	49	23	1	959	939	797	265	2,961
1971	267	131	49	5	3,442	1,720	1,276	472	6,915
1972	329	176	53	11	3,633	1,531	2,516	2,729	10,420
1973	400	149	37	7	4,453	2,289	1,393	1,166	9,308
1974	367	90	25	1	1,909	846	1,094	128	3,978
1975	508	90	18	1	1,141	922	947	221	3,232
1976	536	243	45	4	4,338	962	2,275	370	7,949
1977	739	451	61	54	8,119	2,508	2,849	317	13,847
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	1,950	1,218	62	175	19,416	5,603	1,548	293	27,035
1996	1,567	1,429	91	253	28,287	5,117	1,125	381	35,163
1997	2,098	1,648	79	383	33,293	6,369	1,458	234	41,737
1998	1,845	1,145	62	350	20,459	5,348	1,412	214	27,783
1999	1,845	1,437	78	397	26,534	4,974	1,229	388	33,522
2000	1,711	1,679	98	351	31,667	6,383	977	375	39,753
2001	2,378	2,009	84	273	33,878	5,920	1,158	427	41,656
2002	2,277	2,068	91	588	33,844	6,175	1,665	350	42,622
2003	2,272	2,052	90	510	32,193	6,098	1,509	388	40,698
2004	2,241	2,063	92	379	30,503	5,857	1,403	261	38,403
<u>Average - Previous 10 Years:</u>									
1994-2003	2,067	1,620	81	349	27,753	5,948	1,384	349	35,783
				1%	78%	17%	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	530	262	49	25	4,561	1,926	1,919	657	9,063
<u>Average^b - Overall</u>									
1970-2003	1,281	1,148	66	172	16,164	5,022	1,902	584	23,845

-continued-

Table 14.-Page 2 of 2.

Source: 1981 and 1986 to 2004 data is from the ADF&G subsistence permit database. Data from all other years is from Area Management Reports (AMRs: Wadle 2005). 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.
 - ^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 The salmon and shellfish subsistence permitting programs were merged. The total number of permits includes permits mailed to all previous permit holders and permits issued by ADF&G staff in the City of Kodiak and Kodiak Island villages.
-

Table 15.-Retention of salmon taken in commercial salmon fisheries but not sold, by species, in the Kodiak Management Area, 1997-2004.

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	1	1	0	96	0	0	0	96
2000	1	1	0	75	50	0	0	125
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
Average:								
1997-2004	13	27	21	2,608	2,688	290	16	5,623

Source: ADF&G fish ticket data base

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

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

Table 16.-Estimated sport fish salmon harvest in the Kodiak regulatory area of the Kodiak Management Area, 1977-2004

Year	Sport Harvest in Number of Salmon ^a					Total
	Chinook	Sockeye	Coho	Pink	Chum	
1977	483	1,255	4,716	14,519	1,645	22,618
1978	350	1,776	4,927	17,739	1,287	26,079
1979	752	2,436	11,522	15,871	500	31,081
1980	327	2,178	12,692	18,969	525	34,691
1981	789	1,620	10,584	12,259	637	25,889
1982	1,120	3,055	13,329	18,850	1,324	37,678
1983	729	3,150	7,823	8,936	816	21,454
1984	921	5,385	14,612	12,779	1,321	35,018
1985	762	7,536	13,625	13,423	865	36,211
1986	520	5,259	20,873	14,509	336	41,497
1987	379	4,165	16,912	11,662	560	33,678
1988	1,564	6,222	18,809	19,044	1,546	47,185
1989	1,087	6,789	19,802	17,794	631	46,103
1990	996	6,056	13,728	7,464	191	28,435
1991	2,508	5,049	17,691	12,106	1,517	38,871
1992	2,217	6,240	13,668	5,904	625	28,654
1993	5,092	7,849	21,241	12,324	504	47,010
1994	3,166	12,502	12,406	5,336	290	33,700
1995	2,662	7,994	13,236	11,926	981	36,799
1996	2,407	10,158	16,822	6,917	692	36,996
1997	5,221	8,259	23,763	5,873	235	43,351
1998	4,052	8,763	24,850	12,226	547	50,438
1999	6,791	10,405	27,781	12,813	426	58,216
2000	9,629	16,972	30,975	10,599	955	69,130
2001	8,541	12,199	28,654	6,498	991	56,883
2002	4,136	9,672	29,957	9,022	104	52,891
2003	9,031	12,562	31,976	6,842	548	60,959
2004	11,263	7,884	46,101	7,476	599	73,323
<u>Average - Previous 10 Years:</u>						
1994-2003	5,564	10,949	24,042	8,805	577	49,936
<u>Average - Previous Decades:</u>						
1990-1999	3,511	8,328	18,519	9,289	601	40,247
1980-1989	820	4,536	14,906	14,823	856	35,940
<u>Average - Recent 5 Year Periods</u>						
1998-2002	6,630	11,602	28,443	10,232	605	57,512
1993-1997	3,710	9,352	17,494	8,475	540	39,571
1988-1992	1,674	6,071	16,740	12,462	902	37,850
<u>Average - All Years</u>						
1977- 2003	2,823	6,871	17,666	11,933	763	40,056

Source: Schwarz et al. (*In prep*)

^a The Kodiak regulatory area encompasses only the Kodiak Archipelago. Estimated harvests from the Mainland District of the Kodiak Management Area are summarized in Alaska Peninsula/Aleutian Islands regulatory area statistics. Includes harvest from both marine and freshwater fisheries; does not include the number of salmon caught and released.

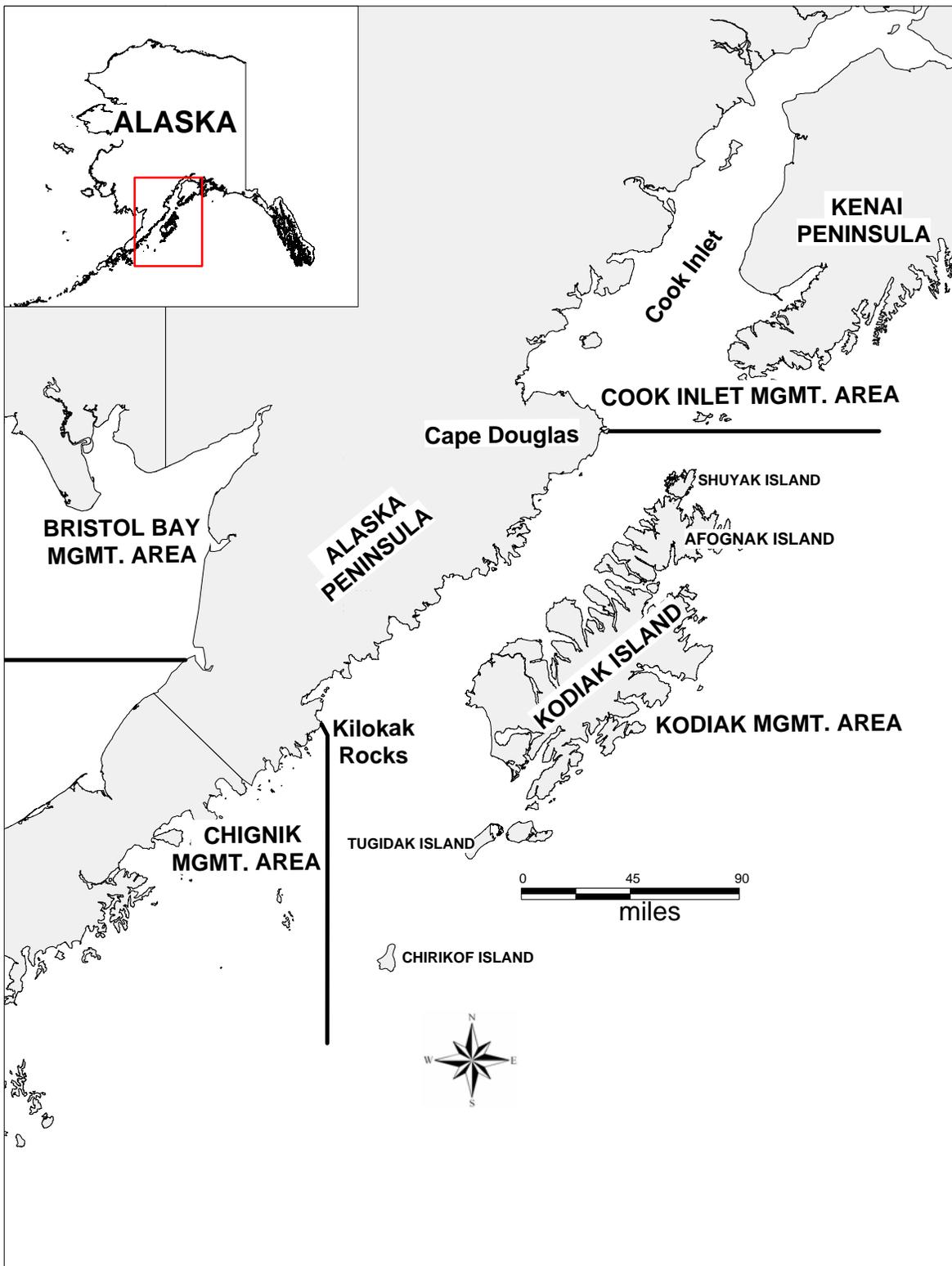


Figure 1.-Map of the location of the Kodiak Management Area and neighboring management areas, 2004.

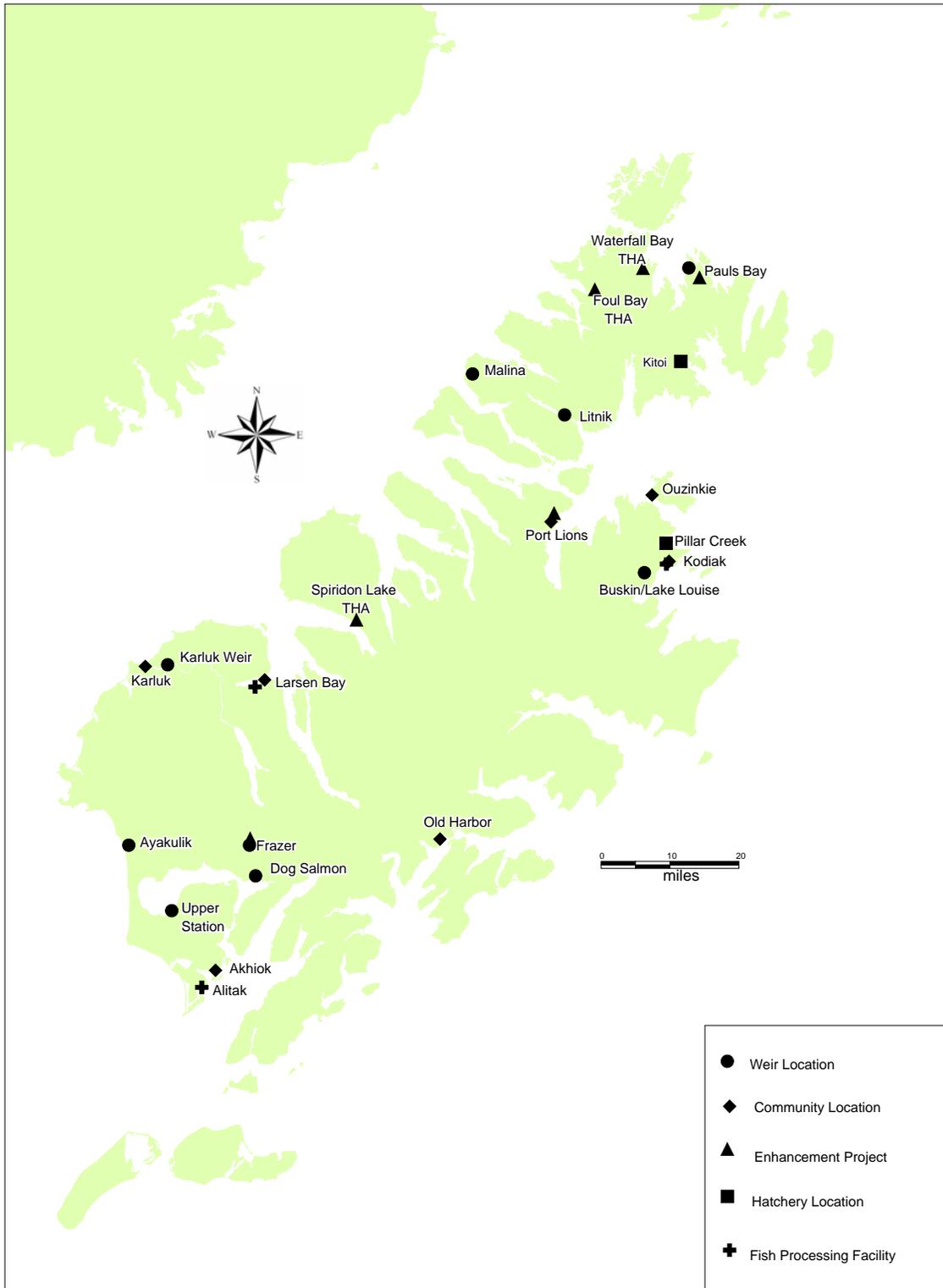


Figure 2.-Map of the Kodiak Archipelago showing communities, canneries, sockeye salmon enhancement, weir, and hatchery locations in the Kodiak Management Area, 2004.

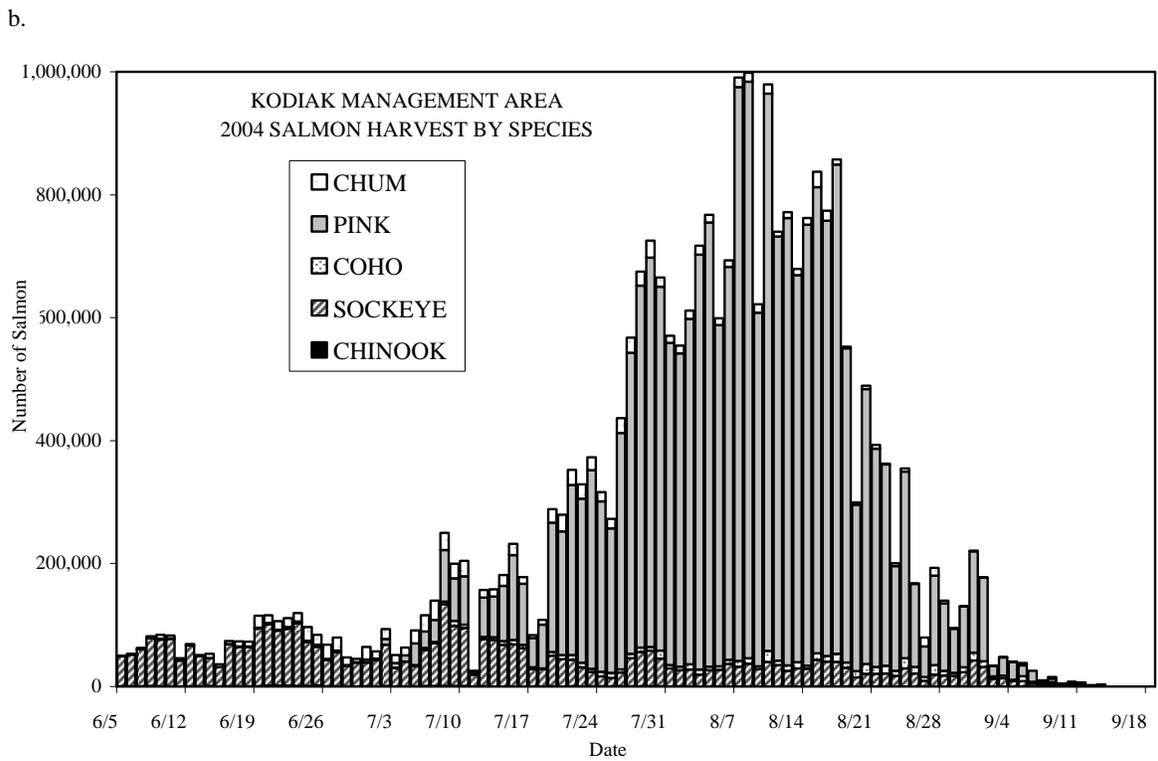
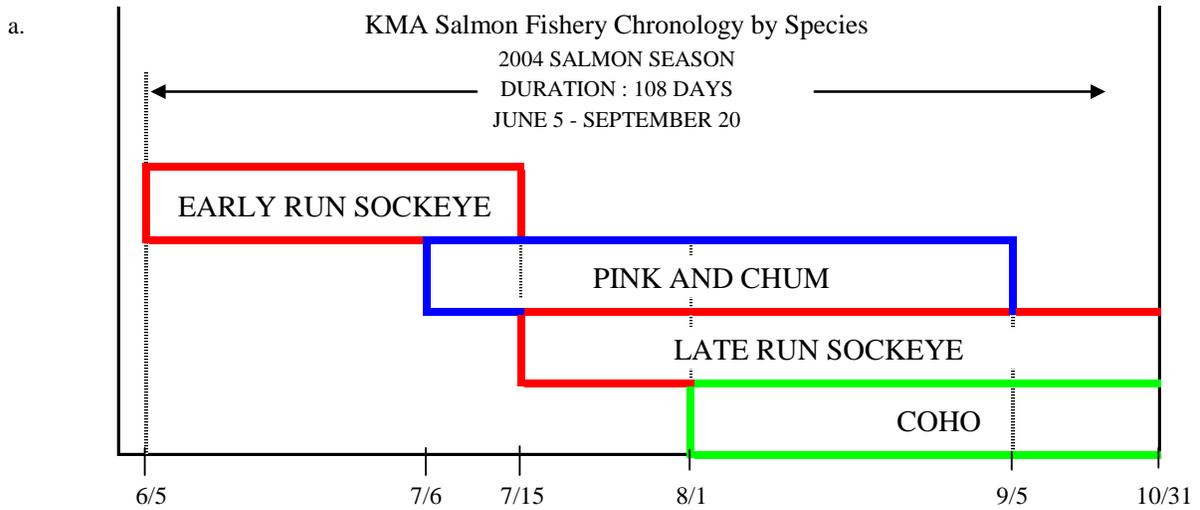
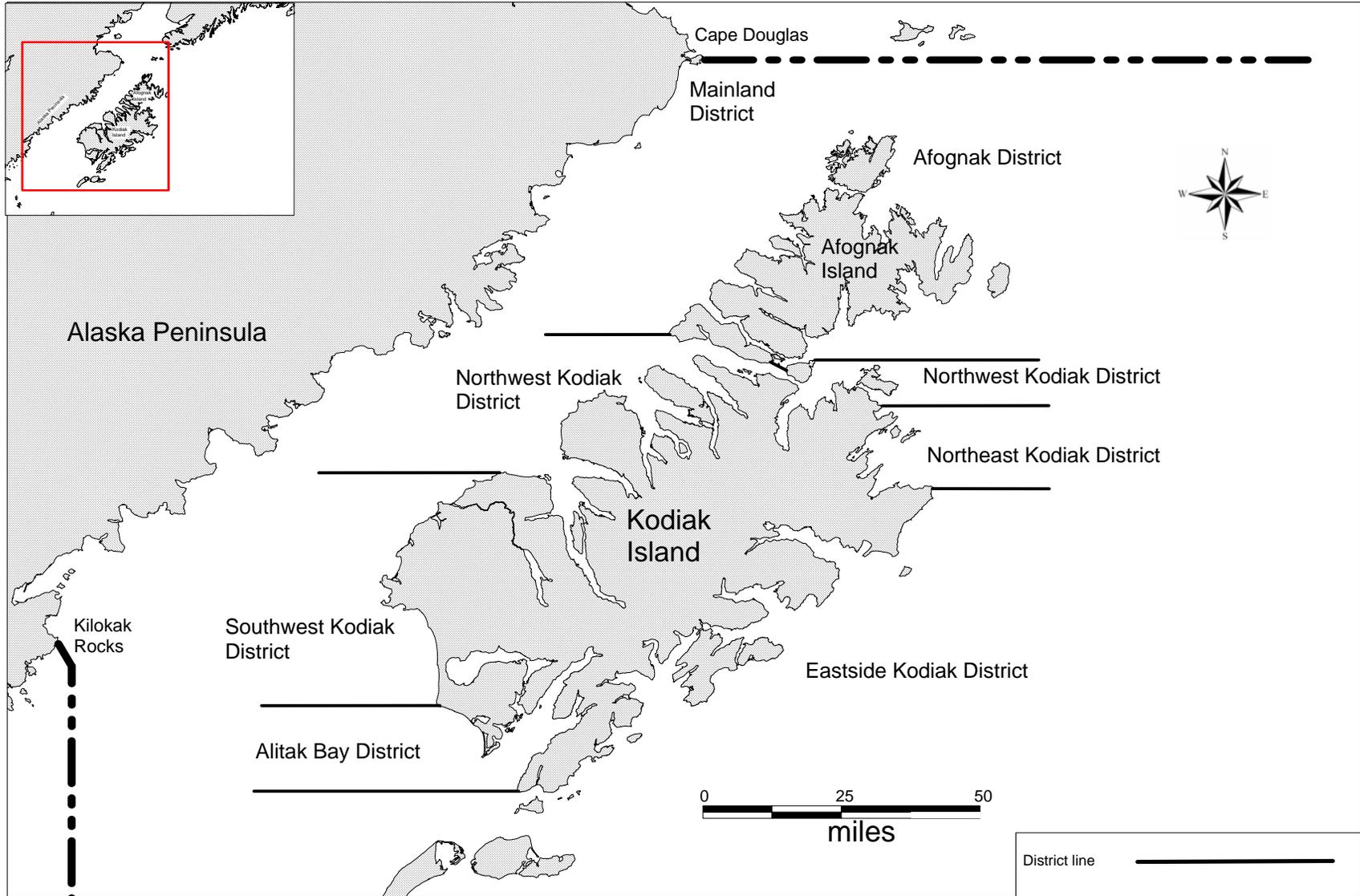
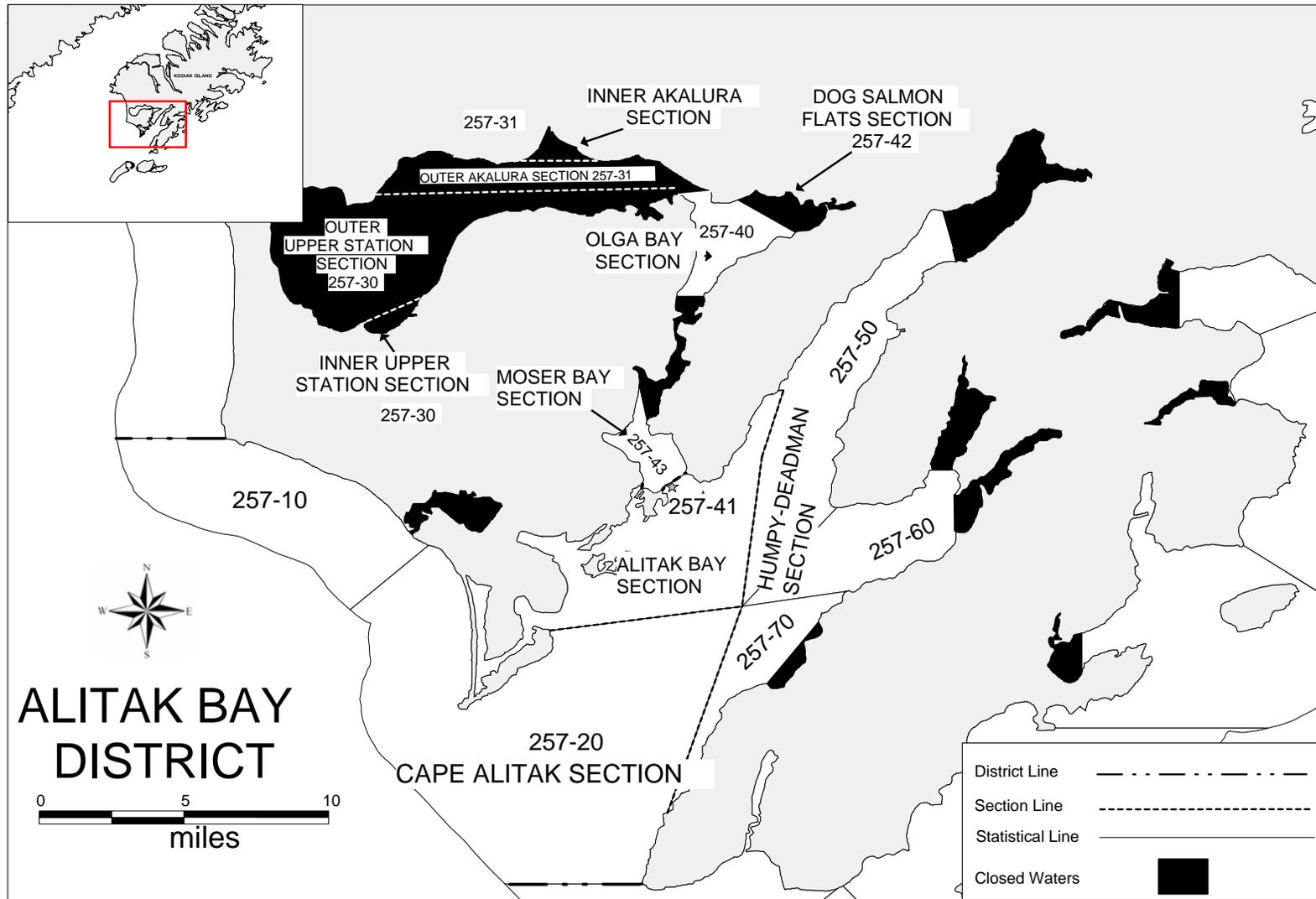


Figure 3.-Commercial salmon fishery chronology (a) and commercial harvest (b) by species, for the Kodiak Management Area, 2004.

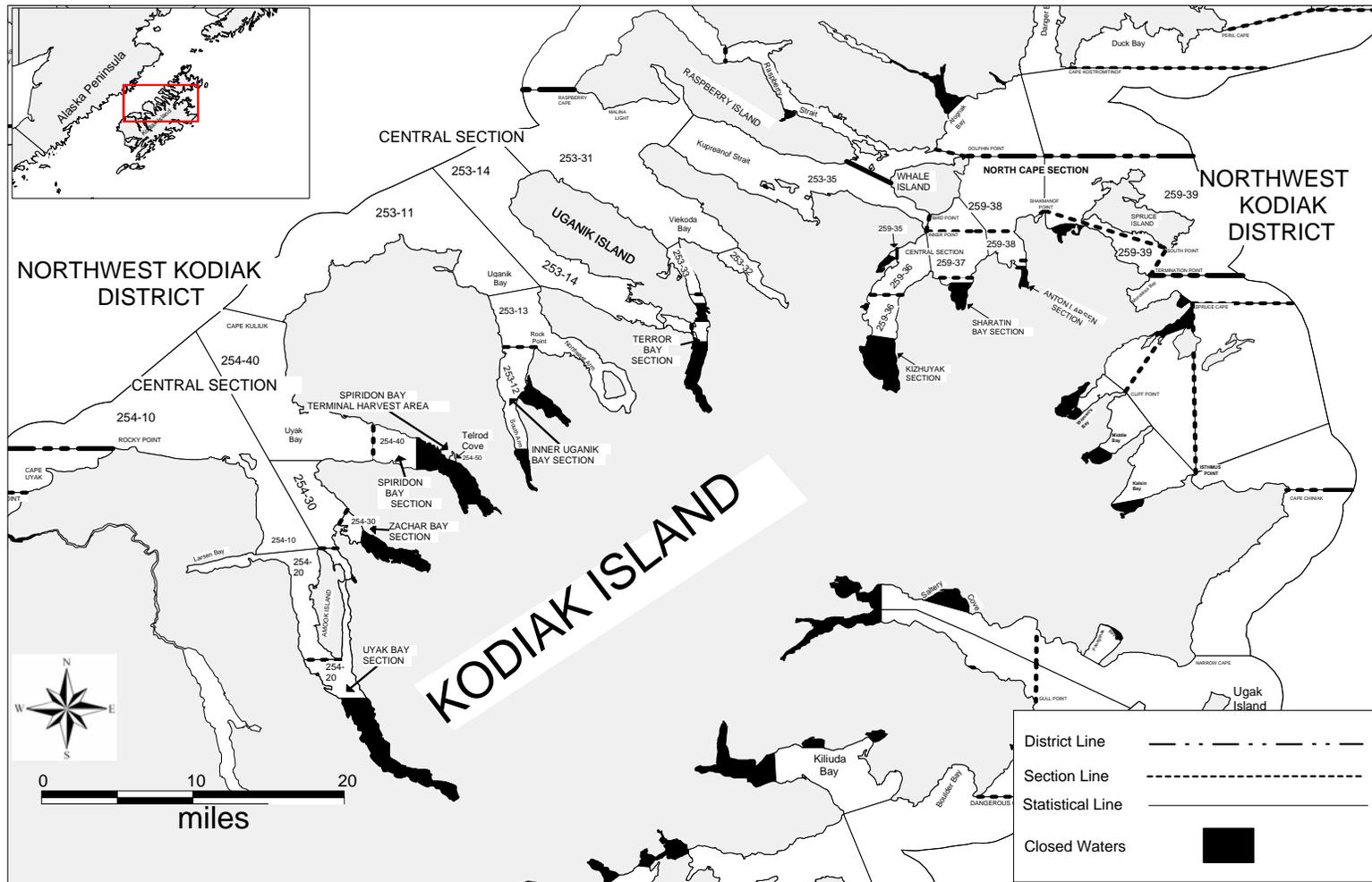
APPENDIX A. MAPS OF FISHING DISTRICTS



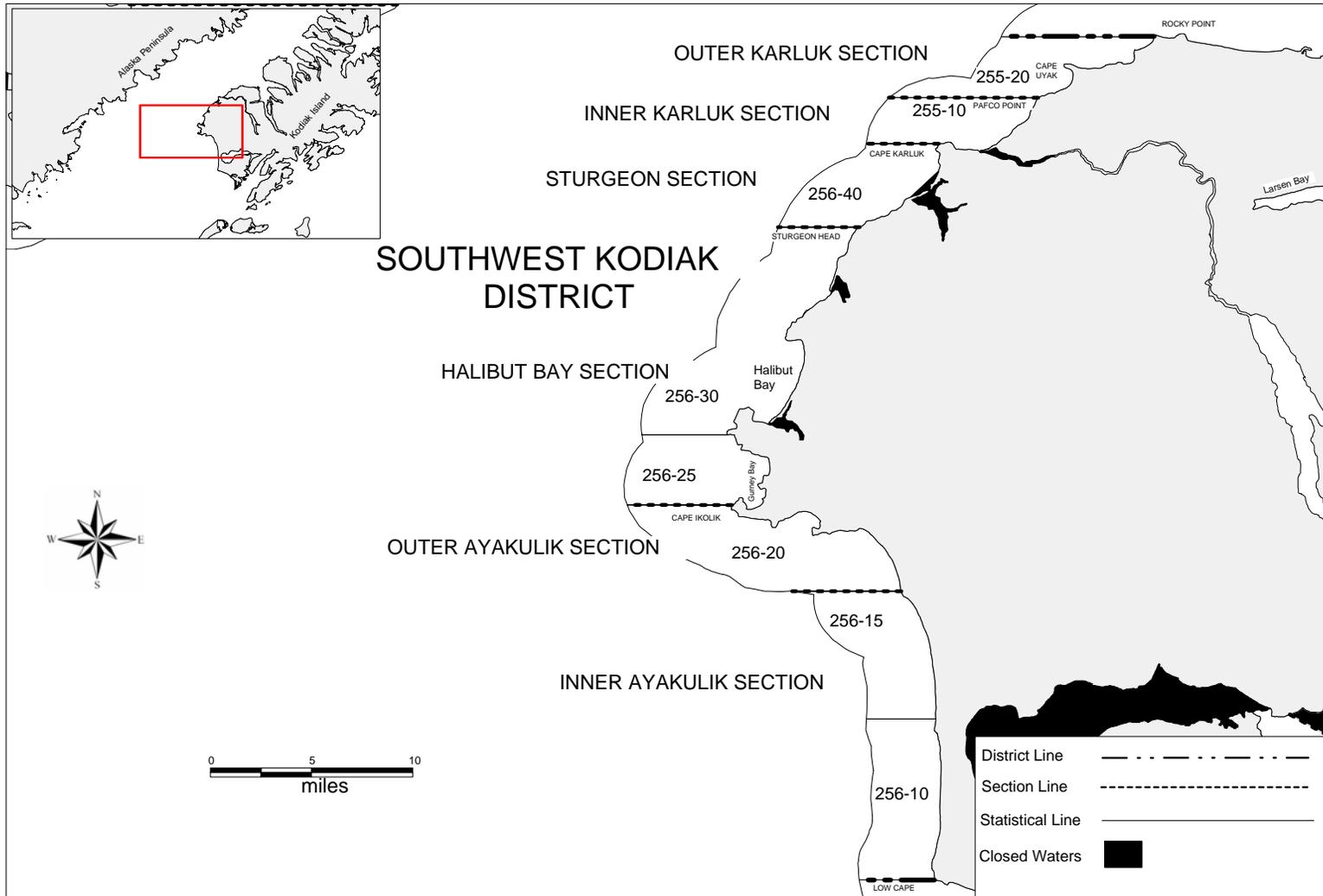
Appendix A1.-Map of the Kodiak Management Area identifying commercial salmon fishing districts.



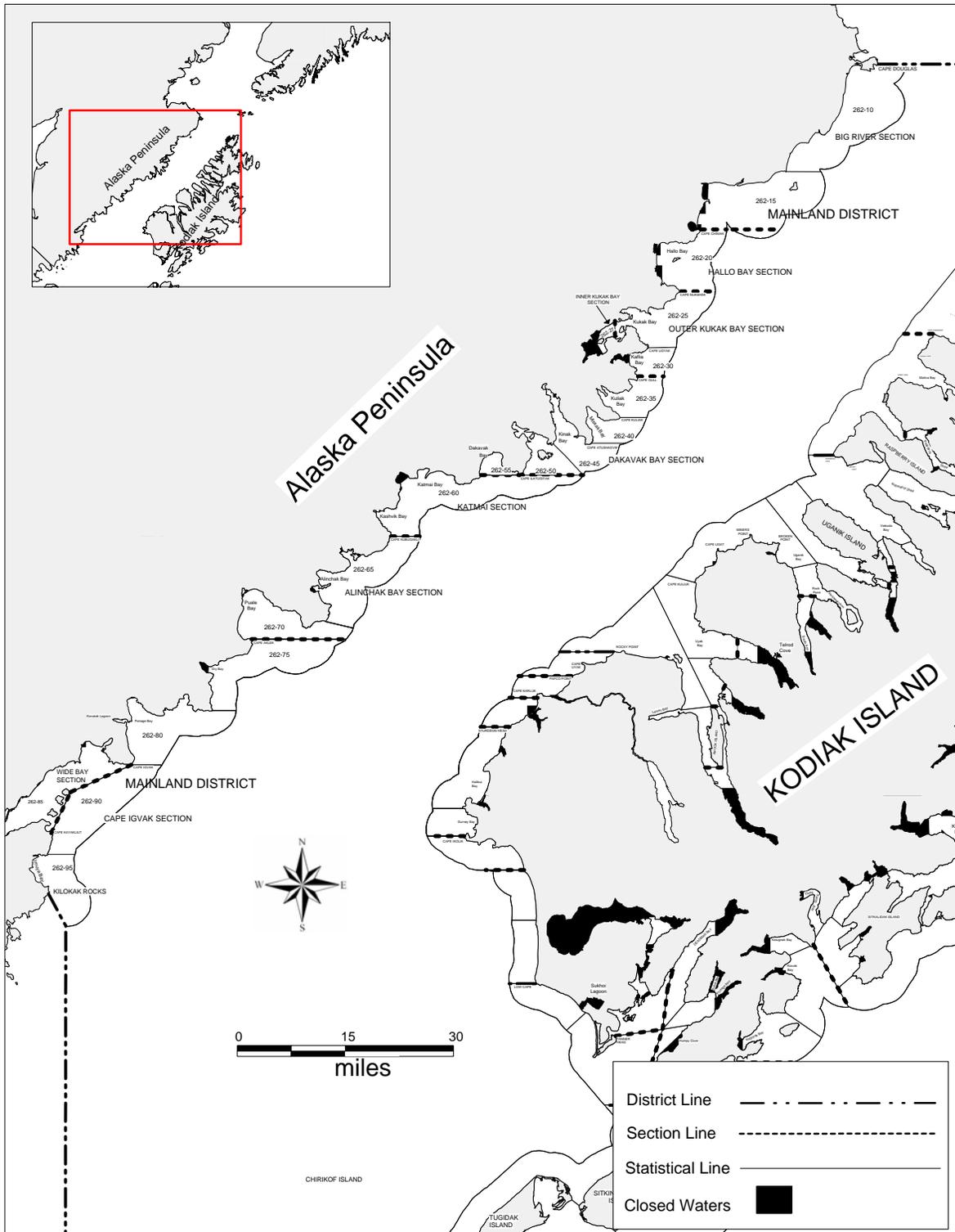
Appendix A2.-Map of the Alitak Bay District identifying commercial salmon fishing sections and statistical areas.



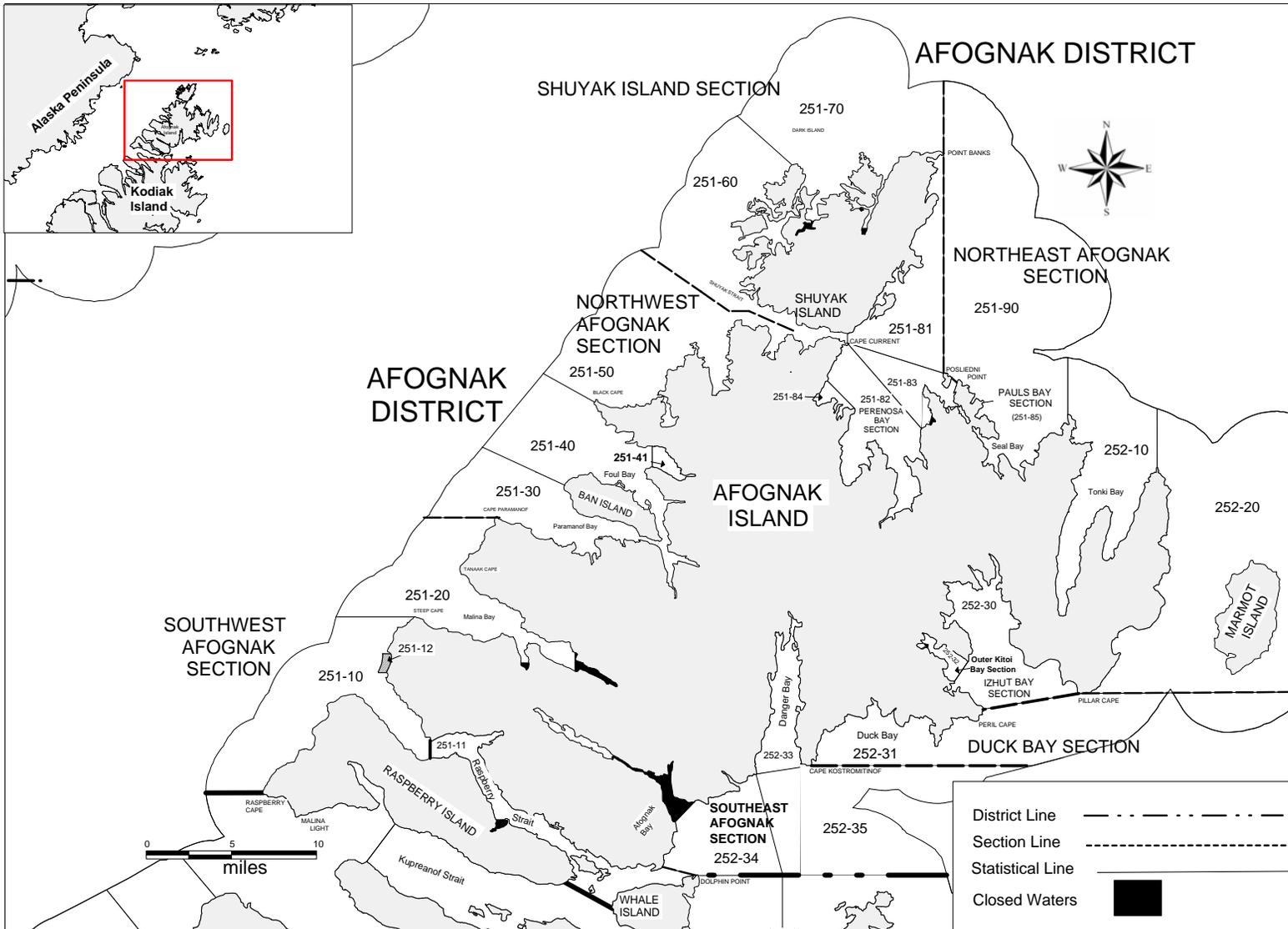
Appendix A3.-Map of the Northwest Kodiak District identifying commercial salmon fishing sections and statistical areas.



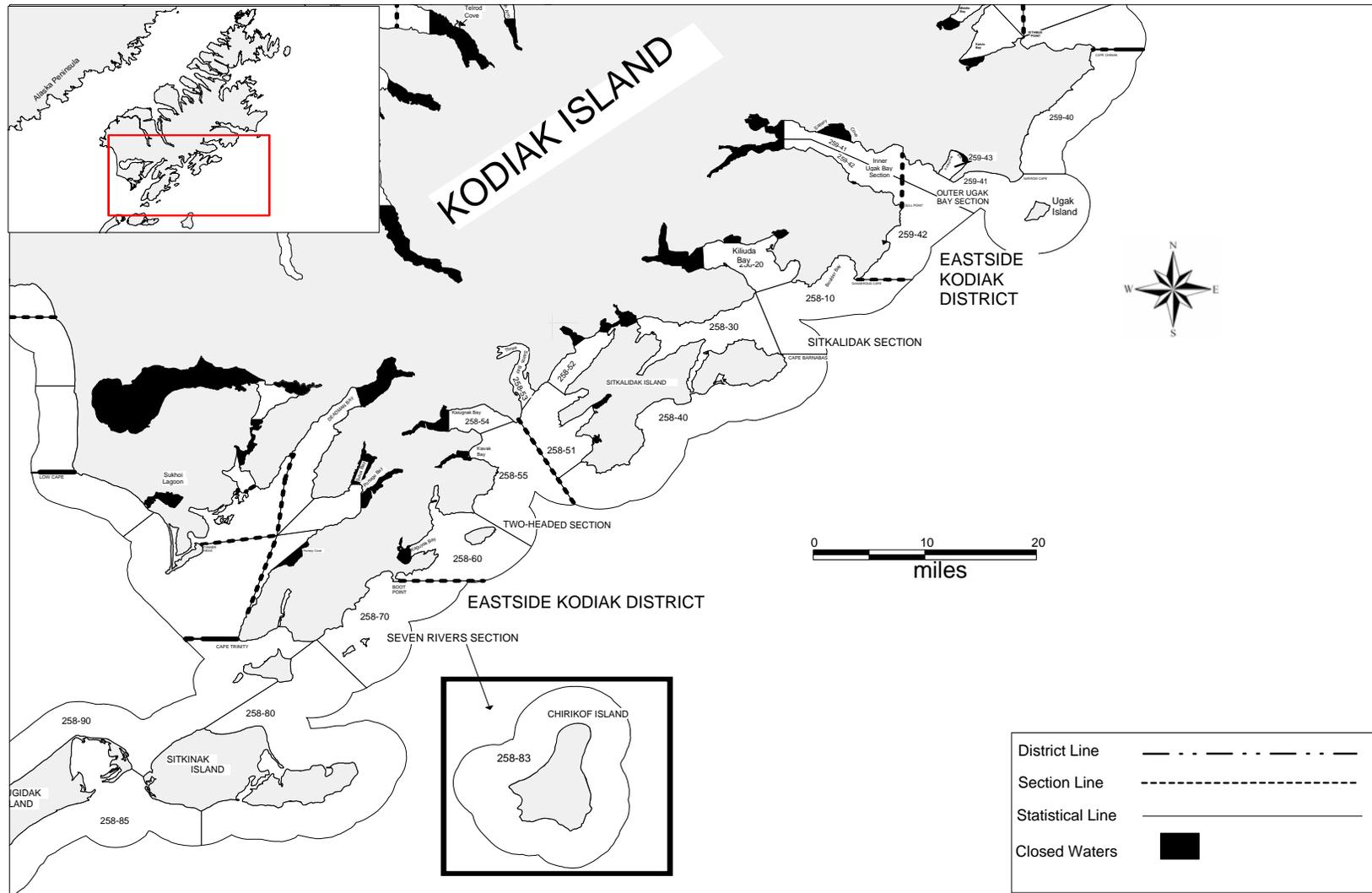
Appendix A4.-Map of the Southwest Kodiak District identifying commercial salmon fishing sections and statistical areas.



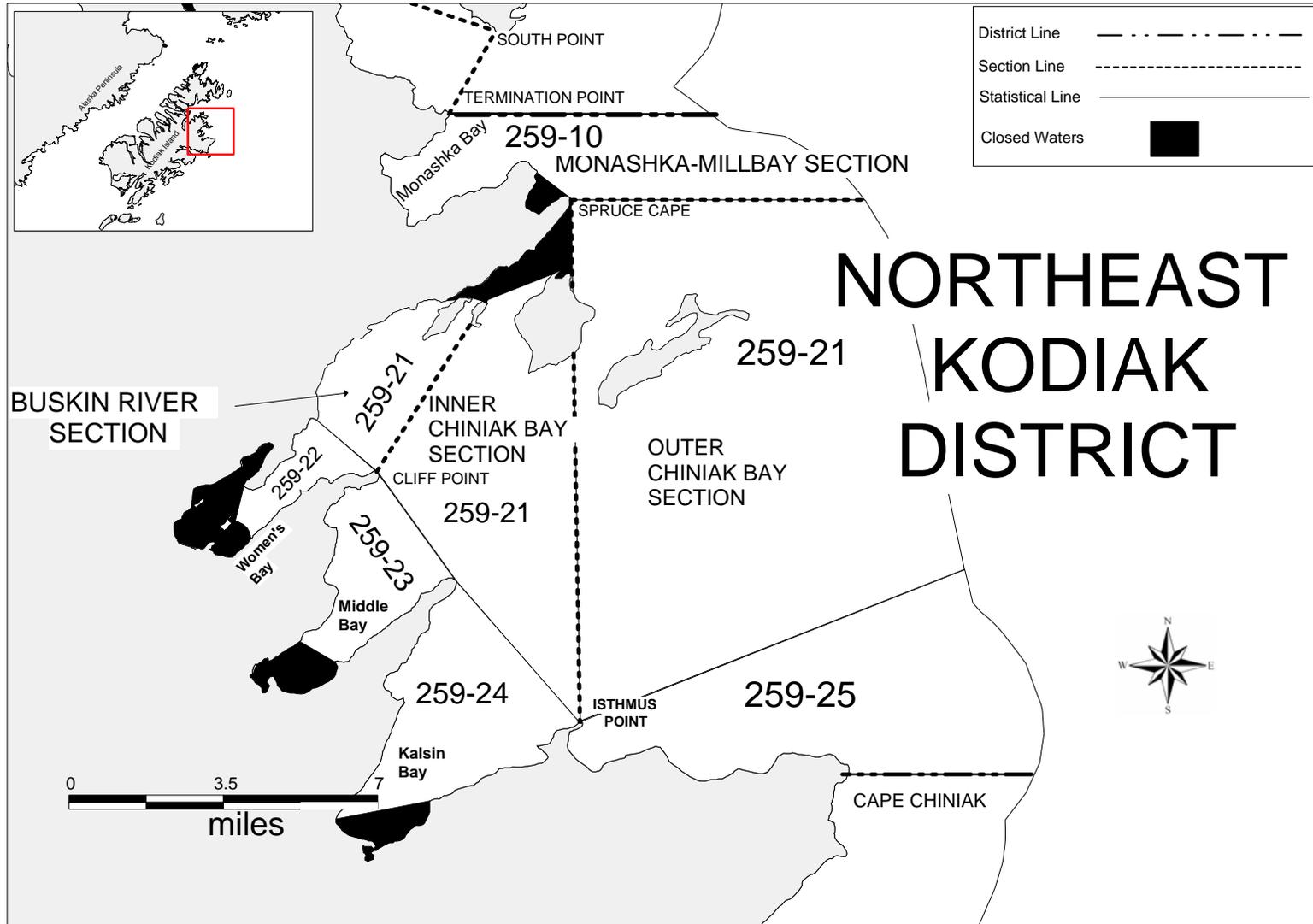
Appendix A5.-Map of the Mainland District identifying commercial salmon fishing sections and statistical areas.



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



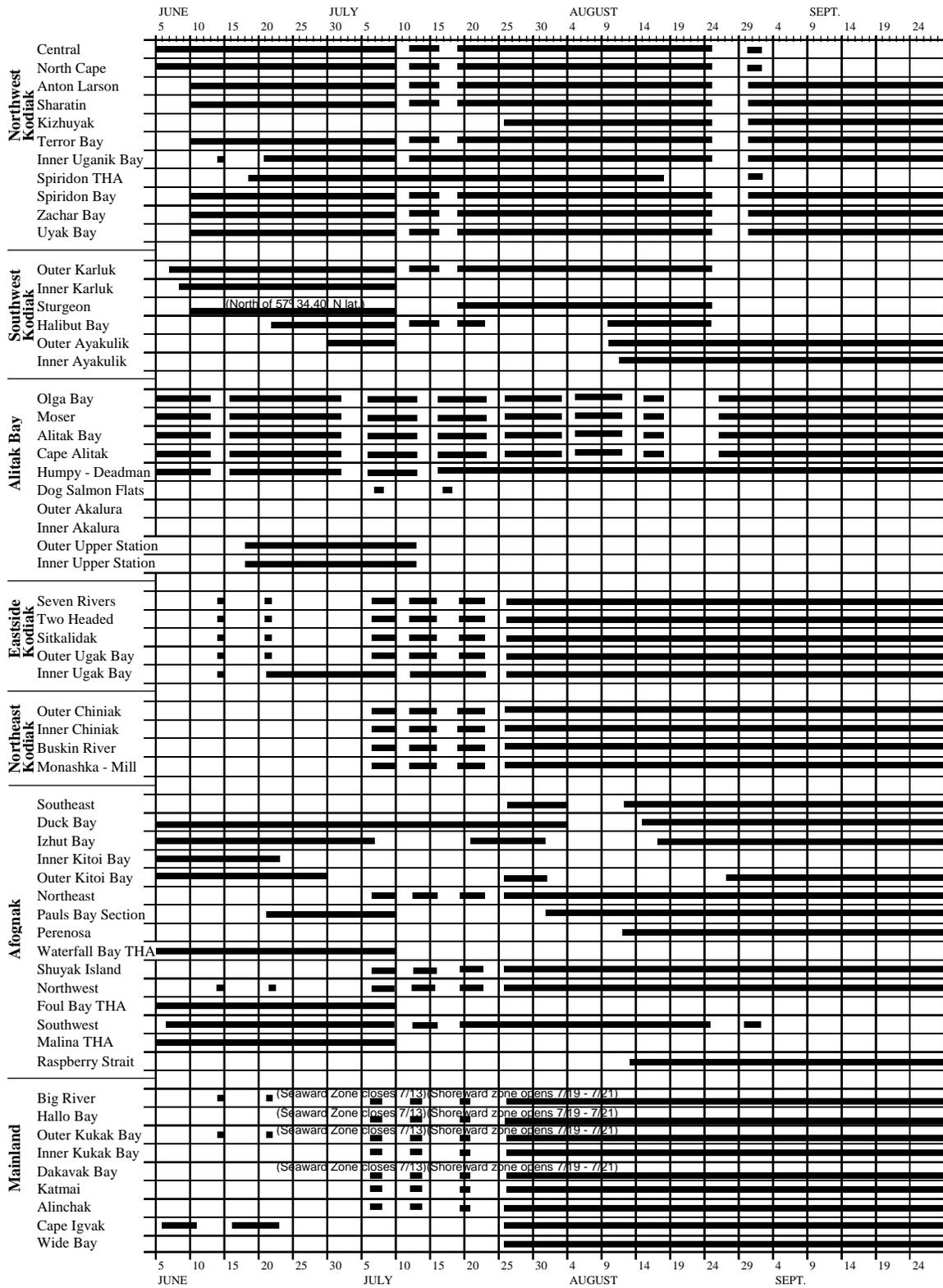
Appendix A7.-Map of the Eastside Kodiak District identifying commercial salmon fishing sections and statistical areas.



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, 2004.



Appendix B2.-Summary of emergency orders issued in the Kodiak Management Area, 2004.

E.O.#	Issued	Effective	Action Taken
1	NOON 6/2/04	NOON 6/5/04	<u>Establishes</u> closed water adjustments. During open fishing periods, closed waters will be reduced to the stream terminus at those streams marked with a circled number on the latest edition of the Kodiak Area Salmon Statistical Chart (May 2003), unless ADF&G markers are in place. <u>Expands</u> the KBH Special Harvest to include both the Inner and Outer Kitoi Bay Sections.
2	12:00 6/2/04	NOON 6/5/04	<u>Opening</u> for 33 hours, NOON 6/5 to 9:00 PM 6/6 <ul style="list-style-type: none"> - Central and North Cape Sections - Alitak Bay District <u>Open</u> until further notice <ul style="list-style-type: none"> - Malina Creek Terminal Harvest Area - Foul Bay Terminal Harvest Area - Waterfall Bay Terminal Harvest Area - Duck Bay, Izhut Bay, Inner Kitoi Bay and Outer Kitoi Bay Sections <u>Closed water adjustments</u> <ul style="list-style-type: none"> - Reduced in: Malina Creek, Foul Bay, Waterfall Bay, and Kitoi Bay
3	10:00 AM 6/6/04	9:00 PM 6/6/04 NOON 6/7/04 12:01 AM 6/9/04	<u>Extension</u> for 48 hours until 9:00 PM 6/8 <ul style="list-style-type: none"> - Central and North Cape Sections - Alitak Bay District <u>Opening</u> for 33 hours, NOON 6/7 to 9:00 PM 6/8 <ul style="list-style-type: none"> - Outer Karluk Section - Southwest Afognak Section <u>Opening</u> for 48 hours, 12:01 AM 6/9 to 12:01 AM 6/11 <ul style="list-style-type: none"> - Cape Igvak Section <u>Open</u> until further notice <ul style="list-style-type: none"> - Malina Creek Terminal Harvest Area - Foul Bay Terminal Harvest Area - Waterfall Bay Terminal Harvest Area - Duck Bay, Izhut Bay, Inner Kitoi Bay and Outer Kitoi Bay Sections <u>Closed water adjustments</u> <ul style="list-style-type: none"> - Reduced in: Malina Creek, Foul Bay, Waterfall Bay, and Kitoi Bay
4	NOON 6/7/04	6:00 AM 6/8/04 9:00 PM 6/6/04	<u>Opening</u> for 39 hours, 6:00 AM 6/8 to 9:00 PM 6/9 <ul style="list-style-type: none"> - Inner Karluk Section <u>Extension</u> for 48 hours until 9:00 PM 6/10 <ul style="list-style-type: none"> - Alitak Bay District

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E.O.#	Issued	Effective	Action Taken
4 (Cont.)			<p><u>Extension</u> until further notice</p> <ul style="list-style-type: none"> - Central Section - North Cape Section - Outer Karluk Section - Southwest Afognak Section <p><u>Open</u> until further notice</p> <ul style="list-style-type: none"> - Malina Creek Terminal Harvest Area - Foul Bay Terminal Harvest Area - Waterfall Bay Terminal Harvest Area - 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 in: Inner Karluk Section for 18 hours, 6:00 AM June 8 to 12:00 MIDNIGHT, Malina Creek, Foul Bay, Waterfall Bay, and Kitoi Bay
5	NOON 6/9/04	9:00 PM 6/9/04	<p><u>Extension</u> until further notice</p> <ul style="list-style-type: none"> - Inner Karluk Section
		9:00 PM 6/10/04	<p><u>Extension</u> for 66 hours until 3:00 PM 6/13</p> <ul style="list-style-type: none"> - Alitak Bay District
		NOON 6/10/04	<p><u>Opening</u> until further notice, beginning at NOON 6/10</p> <ul style="list-style-type: none"> - Sturgeon Section (that portion north of 57° 34.40' N lat.)
		NOON 6/10/04	<p><u>Opening</u> until further notice, beginning at NOON 6/10</p> <ul style="list-style-type: none"> - Anton Larson Section; - Sharatin Bay Section; - Terror Bay Section - Zacher Bay Section - Spiridon Bay Section - Uyak Bay Section <p><u>Open</u> until further notice</p> <ul style="list-style-type: none"> - Central Section - North Cape Section - Outer Karluk Section - Southwest Afognak Section - Malina Creek Terminal Harvest Area - Foul Bay Terminal Harvest Area - Waterfall Bay Terminal Harvest Area - Duck Bay, Izhut Bay, Inner Kitoi Bay and Outer Kitoi Bay Sections

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E.O.#	Issued	Effective	Action Taken
5 (Cont.)			<p><u>Closed water adjustments</u></p> <ul style="list-style-type: none"> - Reduced in: Settlers Cove beginning at NOON 6/10 Malina Creek, Foul Bay, Waterfall Bay, and Kitoi Bay
6	NOON 6/12/04	NOON 6/14/04	<p><u>Opening</u> for 33 hours, NOON 6/14 to 9:00 PM 6/15</p> <ul style="list-style-type: none"> - Northwest Afognak Section - Inner Uganik Bay Section - Eastside Kodiak District - Big River Section - Outer Kukak Bay Section <p><u>Open</u> until further notice</p> <ul style="list-style-type: none"> - Southwest Afognak Section - Northwest Kodiak District (except for the Inner Uganik and Kizhuyak Bay Sections) - Inner and Outer Karluk Sections - Sturgeon Section (that portion north of 57° 34.40' N lat.) - Malina Creek Terminal Harvest Area - Foul Bay Terminal Harvest Area - Waterfall Bay Terminal Harvest Area - 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 in: Kafliia Creek and Saltery Creek (until 9:00 PM 6/15). And until further notice in Settler Cove, Malina Creek, Foul Bay, Waterfall Bay, and Kitoi Bay
7	1:00 PM 6/14/04	8:00 AM 6/15/04	<p><u>Reduction in closed waters</u> from 8:00 AM 6/15 to 9:00 PM 6/18</p> <ul style="list-style-type: none"> - Inner Karluk Section
		12:01 AM 6/16/04	<p><u>Opening</u> for 48 hours, 12:01 AM 6/16 to 12:01 AM 6/18</p> <ul style="list-style-type: none"> - Cape Igvak Section
		6:00 AM 6/16/04	<p><u>Opening</u> in the Alitak Bay District</p> <ul style="list-style-type: none"> - Olga Bay Section from 6:00 AM 6/16 to 9:00 PM 6/18 - Moser Bay Section from NOON 6/16 to 9:00 PM 6/18 - Alitak Bay, Cape Alitak, and Humpy-Deadman Sections from 6:00 PM 6/16 to 9:00 PM 6/18 <p><u>Open</u> until further notice</p> <ul style="list-style-type: none"> - Southwest Afognak Section - Northwest Kodiak District (except the Inner Uganik and Kizhuyak Bay Sections) - Inner and Outer Karluk Section - Sturgeon Section (that portion north of 57° 34.40' N lat.)

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E.O.#	Issued	Effective	Action Taken
7 (Cont.)			<ul style="list-style-type: none"> - Malina Creek Terminal Harvest Area - Foul Bay Terminal Harvest Area - Waterfall Bay Terminal Harvest Area - 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 in: Inner Karluk Section (from 8:00 AM 6/15 to 9:00 PM 6/18), Settlers Cove, Malina Creek, Foul Bay, Waterfall Bay, and Kitoi Bay.
8	10:00 AM 6/17/04	12:01 AM 6/18/04	<p><u>Extension</u> for 48 hours until 12:01 AM 6/20</p> <ul style="list-style-type: none"> - Cape Igvak Section <p>9:00 PM 6/18/04</p> <p><u>Extension</u> through 3:00 PM 6/23</p> <ul style="list-style-type: none"> - Alitak Bay District <p>9:00 PM 6/18/04</p> <p><u>Reduction in closed waters</u> until further notice</p> <ul style="list-style-type: none"> - Inner Karluk Section <p>NOON 6/18/04</p> <p><u>Opening</u> until further notice, beginning at NOON 6/18</p> <ul style="list-style-type: none"> - Inner and Outer Upper Station Sections; - Spiridon Bay Terminal Harvest Area <p><u>Open</u> until further notice</p> <ul style="list-style-type: none"> - Southwest Afognak Section - Northwest Kodiak District (except the Inner Uganik and Kizhuyak Bay Sections) - Inner and Outer Karluk Section - Sturgeon Section (that portion north of 57° 34.40' N lat.) - Malina Creek Terminal Harvest Area - Foul Bay Terminal Harvest Area - Waterfall Bay Terminal Harvest Area - 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 in: Inner Karluk Section, Settlers Cove, Malina Creek, Foul Bay, Waterfall Bay, and Kitoi Bay.
9	11:00 AM 6/19/04	12:01 AM 6/20/04	<p><u>Extension</u> for 48 hours until 12:01 AM 6/22</p> <ul style="list-style-type: none"> - Cape Igvak Section <p>NOON 6/21/04</p> <p><u>Opening</u> for 33 hours from NOON 6/21 to 9:00 PM 6/22</p> <ul style="list-style-type: none"> - Northwest Afognak Section - Pauls Bay Section

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E.O.#	Issued	Effective	Action Taken
9 (Cont.)			<ul style="list-style-type: none"> - Inner Uganik Bay Section - Eastside Kodiak District - Outer Kukak Section - Big River Section <p><u>Open</u> until further notice</p> <ul style="list-style-type: none"> - Inner and Outer Upper Station Sections - Southwest Afognak Section - Northwest Kodiak District (except the Kizhuyak Bay Section) - Inner and Outer Karluk Section - Sturgeon Section (that portion north of 57° 34.40' N lat.) - Malina Creek Terminal Harvest Area - Foul Bay Terminal Harvest Area - Spiridon Bay Terminal Harvest Area - Waterfall Bay Terminal Harvest Area - 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 in: Kafia Creek and Saltery Creek (until 9:00 PM 6/22) Inner Karluk, Settler Cove, Malina Creek, Foul Bay, Waterfall Bay, and Kitoi Bay
10	2:00 PM 6/21/04	12:01 AM 6/21/04	<p><u>Extension</u> for 24 hours to 12:01 AM 6/23</p> <ul style="list-style-type: none"> - Cape Igvak Section
		NOON 6/22/04	<p><u>Opening</u> until further notice, beginning at NOON 6/22</p> <ul style="list-style-type: none"> - Halibut Bay Section
		9:00 PM 6/22/04	<p><u>Extension</u> until further notice</p> <ul style="list-style-type: none"> - Alitak Bay District - Pauls Bay Section - Inner Uganik Bay Section - Inner Ugak Bay Section <p><u>Open</u> until further notice</p> <ul style="list-style-type: none"> - Southwest Afognak Section - Northwest Kodiak District (except the Kizhuyak Bay Section) - Inner and Outer Karluk Section - Sturgeon Section (that portion north of 57° 34.40' N lat.) - Inner and Outer Upper Station Sections - Spiridon Bay Terminal Harvest Area - Foul Bay Terminal Harvest Area - Waterfall Bay Terminal Harvest Area - Duck Bay, Izhut Bay, Inner Kitoi Bay and Outer Kitoi Bay Sections

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E.O.#	Issued	Effective	Action Taken
10 (Cont.)			<u>Closed water adjustments</u> - Reduced in: Inner Karluk, Settler Cove, Foul Bay, Waterfall Bay, and Kitoi Bay - Increased in: Malina Creek
11	1:00 PM 6/22/04	9:00 PM 6/23/04	<u>Closing</u> at 9:00 PM 6/23 - Inner Kitoi Bay Section
		12:01AM 6/23/04	<u>Closing</u> at 12:01 AM 6/23 - Cape Igvak section
			<u>Open</u> until further notice - Southwest Afognak Section - Northwest Kodiak District (except the Kizhuyak Bay Section) - Inner and Outer Karluk Section - Halibut Bay Section - Sturgeon Section (that portion north of 57° 34.40' N lat.) - Alitak Bay District, including Inner and Outer Upper Station Sections - Inner Ugak Bay Section - Spiridon Bay Terminal Harvest Area - Foul Bay Terminal Harvest Area - Waterfall Bay Terminal Harvest Area - Duck Bay, Izhut Bay, and Outer Kitoi Bay Sections
			<u>Closed water adjustments</u> - Reduced in: Saltery Cove, Inner Karluk, Settler Cove, Foul Bay, and Waterfall Bay.
12	NOON 6/29/04	12:00 NOON 6/30/04	<u>Opening</u> until further notice from 12:00 NOON 6/30 - Outer Ayakulik Section
		9:00 PM 6/30/04	<u>Closing</u> at 9:00 PM 6/30 - Outer Kitoi Bay Section
	7/2/04	9:00 PM	<u>Closing</u> at 9:00 PM 7/2 - Cape Alitak, Humpy-Deadman, Alitak Bay, Moser Bay and Olga Bay Sections
			<u>Open</u> until further notice - Southwest Afognak and Pauls Bay sections - Northwest Kodiak District (except the Kizhuyak Bay Section) - Inner and Outer Karluk Sections - Halibut Bay Section

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E.O.#	Issued	Effective	Action Taken
12 (Cont.)			<ul style="list-style-type: none"> - Sturgeon Section (that portion north of 57° 34.40' N lat.) - Inner and Outer Upper Station Sections - Inner Ugak Bay Section - Spiridon Bay Terminal Harvest Area - Foul Bay Terminal Harvest Area - Waterfall Bay Terminal Harvest Area - Duck Bay and Izhut Bay Sections <p><u>Closed water adjustments</u></p> <ul style="list-style-type: none"> - Reduced in: Settler Cove, Inner Karluk, Foul Bay, Waterfall Bay, and Saltery Cove.
13	1:30 PM 7/2/04	6:00 AM 7/6/04	<p><u>Opening</u> in the Alitak Bay District</p> <ul style="list-style-type: none"> - Olga Bay Section from 6:00 AM 7/6 to 9:00 PM 7/10 - Moser Bay Section from NOON 7/6 to 9:00 PM 7/10 - Alitak Bay, Cape Alitak, and Humpy-Deadman Sections from 6:00 PM 7/6 to 9:00 PM 7/10
		12:00 NOON 7/6/04	<p><u>Opening</u> for 57 hours, 12:00 NOON 7/6 to 9:00 PM 7/8</p> <ul style="list-style-type: none"> - Mainland District except for the Wide Bay and Cape Igvak Sections, which remain closed
		12:00 NOON 7/6/04	<p><u>Opening</u> for 105 hours, 12:00 NOON 7/6 to 9:00 PM 7/10</p> <ul style="list-style-type: none"> - Northwest Afognak, - Shuyak Island - Northeast Afognak sections (the Perenosa Bay, Inner and Outer Kitoi Bay, Southeast Afognak and Raspberry Strait Sections remain closed) - Eastside Kodiak District - Northeast Kodiak District
		9:00 PM 7/10/04	<p><u>Closing</u> at 9:00 PM 7/10</p> <ul style="list-style-type: none"> - Southwest Afognak Section - Pauls Bay Section - Northwest Kodiak District except for the Spiridon Bay Terminal Harvest Area, which remains open until further notice, and the Kizhuyak Section which is closed - Outer Karluk Section - Inner Karluk Section - Sturgeon Section north of 57° 34.40' N. lat. - Halibut Bay Section - Outer Ayakulik Section - Inner Ugak Bay Section - Foul Bay Terminal Harvest Area - Waterfall Bay Terminal Harvest Area

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E.O.#	Issued	Effective	Action Taken
13 (Cont.)			<p><u>Open</u> until further notice</p> <ul style="list-style-type: none"> - Spiridon Bay Terminal Harvest Area - Inner and Outer Upper Station Sections - Duck Bay and Izhut Bay Sections <p><u>Closed water adjustments</u></p> <ul style="list-style-type: none"> - Reduced in: Settler Cove, Inner Karluk, Saltery Cove, Foul Bay and Waterfall Bay
14	5:30 PM 7/6/04	9:00 PM 7/7/04	<p><u>Closing</u> at 9:00 PM 7/7</p> <ul style="list-style-type: none"> - Izhut Bay Section
		6:00 PM 7/7/04	<p><u>Opening</u> for 24 hours from 6:00 PM 7/7 to 6:00 PM 7/8</p> <ul style="list-style-type: none"> - Portion of the Dog Salmon Flats Section west of 154°00.00' W. long. and south of ADF&G markers located on the east and west forks of the Dog salmon river <p><u>Open</u> until further notice</p> <ul style="list-style-type: none"> - Spiridon Bay Terminal Harvest Area - Inner and Outer Upper Station Sections - Duck Bay Bay Section <p><u>Closed water adjustments</u></p> <ul style="list-style-type: none"> - Reduced in: Settler Cove, Malina Creek, Inner Karluk, Foul Bay, Waterfall Bay, and Saltery Cove until 9:00 PM 7/10
15	12:00 NOON 7/9/04	9:00 PM 7/10/04	<p><u>Extension</u> until 3:00 PM 7/13</p> <ul style="list-style-type: none"> - Humpy-Deadman, Cape Alitak, Alitak Bay, Moser Bay and Olga Bay Sections - Inner and Outer Upper Station
		12:00 NOON 7/12/04	<p><u>Opening</u> for 105 hours, 12:00 NOON 7/12 to 9:00 PM 7/16</p> <ul style="list-style-type: none"> - Southwest Afognak - Northwest Afognak, - Shuyak Island - Northeast Afognak sections (except for Pauls Bay, Perenosa Bay, Inner and Outer Kitoi Bay, Southeast Afognak and Raspberry Strait Sections, which remain closed - Outer Karluk and Halibut Bay Sections - Eastside Kodiak District - Northeast Kodiak District - Northwest Kodiak District (except Kizhuyak)
		12:00 NOON 7/12/04	<p><u>Opening</u> for 57 hours, 12:00 NOON 7/12 to 9:00 PM 7/14</p> <ul style="list-style-type: none"> - Mainland District except for the Wide Bay and Cape Igvak Sections, which remain closed

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E.O.#	Issued	Effective	Action Taken
15 (Cont.)			<p><u>Open</u> until further notice</p> <ul style="list-style-type: none"> - Inner Ugak Bay Section - Spiridon Bay Terminal Harvest Area - Duck Bay Section <p><u>Closed water adjustments</u></p> <ul style="list-style-type: none"> - Reduced in: Saltery Creek to the stream terminus (for both Commercial and subsistence fishing)
16	2:00 PM 7/13/04	5:00 PM 7/13/04	<p><u>Closing</u> Seaward Zones at 5:00 PM 7/13</p> <ul style="list-style-type: none"> - Northwest Afognak Section - Shuyak Island - Big River and Hallo Bay Sections - Outer Kukak and Dakavak Sections
		3:00 PM 7/13/04	<p><u>Closing</u> at 3:00 PM 7/13</p> <ul style="list-style-type: none"> - Alitak Bay District
		9:00 PM 7/14/04	<p><u>Closing</u> Portions of the Mainland District at 9:00 PM 7/14</p> <ul style="list-style-type: none"> - Shoreward zones of Dakavak Bay, Outer Kukak Bay, Hallo Bay and Big River Sections - Alinchak, Katmai, and Inner Kukak Bay Sections
		9:00 PM 7/16/04	<p><u>Closing</u> at 9:00 PM 7/16</p> <ul style="list-style-type: none"> - Shoreward zones of Northwest Afognak and Shuyak Island sections - Southwest Afognak Section - Northeast Afognak Section - Northwest Kodiak District except for the Spiridon Bay Terminal Harvest Area, which remains open until further notice, and the Kizhuyak Section which is closed - Outer Karluk and Halibut Bay Sections - Eastside Kodiak District - Northeast Kodiak District <p><u>Open</u> until further notice</p> <ul style="list-style-type: none"> - Duck Bay Section - Spiridon Bay Terminal Harvest Area - Inner Ugak Bay Sections <p><u>Closed</u> water adjustments</p> <ul style="list-style-type: none"> - Reduced in: Saltery Creek to the stream terminus (for both Commercial and subsistence fishing)
17	5:00 PM 7/14/04	6:00 AM 7/16/04	<p><u>Opening</u> in the Alitak Bay District</p> <ul style="list-style-type: none"> - Olga Bay Section from 6:00 AM 7/16 to 3:00 PM 7/23

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E.O.#	Issued	Effective	Action Taken
17 (Cont.)			<ul style="list-style-type: none"> - Moser Bay Section from NOON 7/16 to 3:00 PM 7/23 - Alitak Bay, Cape Alitak, and Humpy-Deadman Sections from 6:00 PM 7/16 to 3:00 PM 7/23
		9:00 PM 7/14/04	<p><u>Closing</u> Portions of the Mainland District at 9:00 PM 7/14</p> <ul style="list-style-type: none"> - Shoreward zones of Dakavak Bay, Outer Kukak Bay, Hallo Bay and Big River Sections - Alinchak, Katmai, and Inner Kukak Bay Sections
		9:00 PM 7/16/04	<p><u>Closing</u> at 9:00 PM 7/16</p> <ul style="list-style-type: none"> - Shoreward zones of Northwest Afognak and Shuyak Island sections - Southwest Afognak Section - Northeast Afognak Section - Northwest Kodiak District except for the Inner Uganik Bay Section and the Spiridon Bay Terminal Harvest Area, which remains open until further notice, and the Kizhuyak Section which is closed - Outer Karluk and Halibut Bay Sections - Eastside Kodiak District - Northeast Kodiak District <p><u>Open</u> until further notice</p> <ul style="list-style-type: none"> - Spiridon Bay Terminal Harvest Area - Inner Uganik - Inner Ugak Bay Sections - Duck Bay Section <p><u>Closed</u> water adjustments</p> <ul style="list-style-type: none"> - Reduced in: At Saltery Cove to the stream terminus of Saltery Creek (stream # 259-415) for both commercial and subsistence fishing
18	11:45 AM 7/16/04	12:00 NOON 7/17/04	<p><u>Opening</u> for 24 hours from 6:00 PM 7/17 to 12:00 NOON 7/18</p> <ul style="list-style-type: none"> - Portion of the Dog Salmon Flats Section west of 154°00.00' W. long. and south of ADF&G markers located on the east and west forks of the Dog salmon river
		6:00 AM 7/16/04	<p><u>Opening</u> in the Alitak Bay District</p> <ul style="list-style-type: none"> - Olga Bay Section from 6:00 AM 7/16 to 3:00 PM 7/23 - Moser Bay Section from NOON 7/16 to 3:00 PM 7/23 - Alitak Bay, Cape Alitak, and Humpy-Deadman Sections from 6:00 PM 7/16 to 6:00 PM 7/23
		9:00 PM 7/16/04	<p><u>Closing</u> at 9:00 PM 7/16</p> <ul style="list-style-type: none"> - Shoreward zones of Northwest Afognak and Shuyak Island sections - Southwest Afognak Section

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E.O.#	Issued	Effective	Action Taken
18 (Cont.)			<ul style="list-style-type: none"> - Northeast Afognak Section - Northwest Kodiak District except for the Inner Uganik Bay Section and the Spiridon Bay Terminal Harvest Area, which remains open until further notice, and the Kizhuyak Section which is closed - Outer Karluk and Halibut Bay Sections - Eastside Kodiak District - Northeast Kodiak District <p><u>Open</u> until further notice</p> <ul style="list-style-type: none"> - Spiridon Bay Terminal Harvest Area - Inner Uganik - Inner Ugak Bay Sections - Duck Bay Section
19	12:15 PM 7/17/04	NOON 7/19/04	<p><u>Opening</u> for 57 hours from NOON 7/19 to 9:00 PM 7/21</p> <ul style="list-style-type: none"> - Shoreward Zones of the Dakavak Bay, Outer Kukak Bay, Hallo Bay, and Big River Sections; - Alinchak, Katmai, and Inner Kukak Bay Sections
		NOON 7/19/04	<p><u>Opening</u> for 105 hours NOON 7/19 to 9:00 PM 7/23</p> <ul style="list-style-type: none"> - Southwest Afognak Section - Shoreward Zones of the Northwest Afognak, Shuyak Island, and Northeast Afognak - Northeast Afognak Section (the Pauls Bay, Perenosa Bay, Inner and Outer Kitoi Bay, Izhut Bay, Southeast Afognak and Raspberry Strait Sections remain closed) - Northwest Kodiak District, except for the Kizhuyak Section (which remains closed) - Outer Karluk Section - Sturgeon Section - Halibut Bay Section - Eastside Kodiak District, except that the Inner Ugak Bay Section will remain open until further notice - Northeast Kodiak District <p><u>Open</u> until further notice</p> <ul style="list-style-type: none"> - Spiridon Bay Terminal Harvest Area - Inner Ugak Bay Sections - Duck Bay Section - Izhut Bay Section - Inner Uganik Bay Section <p><u>Closed</u> water adjustments</p> <ul style="list-style-type: none"> - Reduced in, Saltery Cove to the stream terminus of Saltery Creek for commercial and subsistence fishing

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E.O.#	Issued	Effective	Action Taken
20	12:00 NOON 7/20/04	12:00 NOON 7/21/04	<u>Opening</u> 12:00 NOON 7/21 until further notice - Izhut Bay Section
		9:00 PM 7/21/04	<u>Closing</u> at 9:00 PM 7/21 - Shoreward Zones of the Dakavak Bay, Outer Kukak Bay, Hallo Bay, and Big River Sections; - Alinchak, Katmai, and Inner Kukak Bay Sections
		3:00 PM 7/23/04	<u>Closing</u> at 3:00 PM 7/23 - Alitak Bay District
			<u>Open</u> until further notice - Inner Uganik Bay Section - Spiridon Bay Terminal Harvest Area - Inner Ugak Bay Sections - Duck Bay section
			<u>Closed</u> water adjustments - Reduced in: Saltery Cove to the stream terminus for both commercial and subsistence fishing
21	12:00 NOON 7/22/04	9:00 PM 7/23/04	<u>Extension</u> Until 9:00 PM 7/30 - Southwest Afognak Section - Northwest Kodiak District (including the Inner Uganik Bay Section); except for the Kizhuyak Section (which remains closed) and the Spiridon Bay Terminal Harvest area (which remains open until further notice) - Outer Karluk and Sturgeon Sections - Humpy-Deadman Section
		9:00 PM 7/23/04	<u>Closing</u> at 9:00 PM 7/23 - Shoreward zones of Northwest Afognak and Shuyak Island sections - Northeast Afognak Section - Eastside Kodiak District including Inner Ugak - Northeast Kodiak District - Halibut Bay Section
			<u>Open</u> until further notice - Duck Bay Section - Izhut Bay Section - Spiridon Bay Terminal Harvest Area
		9:00 PM 7/23/04	<u>Closed</u> water adjustments until 9:00 pm 7/23 - Reduced in: Saltery Cove to the stream terminus of Saltery Creek (for commercial fishing)

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E.O.#	Issued	Effective	Action Taken
22	10:00 AM 7/24/04	6:00 AM 7/26/04	<u>Opening</u> in the Alitak Bay District <ul style="list-style-type: none"> - Olga Bay Section from 6:00 AM 7/26 to 3:00 PM 7/30 - Moser Bay Section from NOON 7/26 to 3:00 PM 7/30 - Alitak Bay and Cape Alitak Sections from 6:00 PM 7/26 to 3:00 PM 7/30
		12:00 NOON 7/26/04	<u>Opening</u> at 12:00 NOON until further notice <ul style="list-style-type: none"> - Outer Kitoi Bay Section
		NOON 7/26/04	<u>Opening</u> for 105 hours NOON 7/26 to 9:00 PM 7/30 <ul style="list-style-type: none"> - Northwest Afognak Section - Shuyak Island Section - Northeast Afognak Section - Southeast Afognak section east of Cape Kostromitinof at 152° 33.40' W. long. - Kizhuyak Section - Northeast Kodiak District - Eastside Kodiak District - Mainland District
			<u>Open</u> until further notice <ul style="list-style-type: none"> - Spiridon Bay Terminal Harvest Area - Duck Bay Section - Izhut Bay Section
23	10:30 AM 7/29/04	3:00 PM 7/30/04	<u>Extension</u> until 3:00 PM 8/2 <ul style="list-style-type: none"> - Cape Alitak Section - Alitak Bay Section - Moser Bay Section - Olga Bay Section
		9:00 PM 7/30/04	<u>Extension</u> until 9:00 PM 8/4 <ul style="list-style-type: none"> - Southwest Afognak Section - Northwest Afognak Section - Shuyak Island Section - Northeast Afognak, Section - Shuyak Island Section - Northwest Kodiak District - Outer Karluk and Sturgeon Sections - Humpy-Deadman Section - Northeast Kodiak District - Eastside Kodiak District - Mainland District
		12:00 NOON 8/1/04	<u>Opening</u> until further notice 12:00 NOON 8/1 <ul style="list-style-type: none"> - Pauls Bay section

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E.O.#	Issued	Effective	Action Taken
23 (Cont.)			<u>Open</u> until further notice <ul style="list-style-type: none"> - Portion of Southeast Afognak Section east of Cape Kostromitinof at 152° 33.40' W. long. - Spiridon Bay Terminal Harvest Area - Outer Kitoi Bay Sections - Duck Bay Section - Izhut Bay Section
24	12:00 NOON 7/30/04	9:00 PM 8/1/04	<u>Closing</u> at 9:00 PM 8/1 <ul style="list-style-type: none"> - Outer Kitoi Section - Izhut Bay Section
		3:00 PM 8/2/04	<u>Closing</u> at 3:00 PM 8/2 <ul style="list-style-type: none"> - Cape Alitak Section - Alitak Bay Section - Moser Bay Section - Olga Bay Section
			<u>Open</u> until further notice <ul style="list-style-type: none"> - Spiridon Bay Terminal Harvest Area - Portion of Southeast Afognak Section east of Cape Kostromitinof at 152° 33.40' W. - Duck Bay Section
25	3:00 PM 8/3/04	9:00 PM 8/4/04	<u>Closing</u> at 9:00 PM 8/4 <ul style="list-style-type: none"> - Duck Bay Section - Portion of Southeast Afognak Section east of Cape Kostromitinof at 152° 33.40' W.
		6:00 AM 8/5/04	<u>Opening</u> in the Alitak Bay District until 3:00 PM 8/12 <ul style="list-style-type: none"> - Olga Bay Section 6:00 AM 8/5 to 3:00 PM 8/12 - Moser Bay Section NOON 8/5 to 3:00 PM 8/12 - Alitak Bay and Cape Alitak Sections 6:00 pm 8/5 to 3:00 pm 8/12
		9:00 PM 8/4/04	<u>Extension</u> until 9:00 PM 8/12 <ul style="list-style-type: none"> - Southwest Afognak Section - Northwest Afognak Section - Shuyak Island Section - Northeast Afognak, Section - Shuyak Island Section - Northwest Kodiak District - Outer Karluk and Sturgeon Sections - Humpy-Deadman Section - Northeast Kodiak District

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E.O.#	Issued	Effective	Action Taken
25 (Cont.)			<ul style="list-style-type: none"> - Eastside Kodiak District - Mainland District <p><u>Open</u> until further notice</p> <ul style="list-style-type: none"> - Spiridon Bay Terminal Harvest Area - Pauls Bay Section <p><u>Opening of Special Harvest Areas:</u></p> <ul style="list-style-type: none"> - Inner and Outer Kitoi Bay Sections
26	12:00 NOON 8/9/04	NOON 8/10/04	<p><u>Opening</u> 12:00 NOON 8/10 until further notice</p> <ul style="list-style-type: none"> - Halibut Bay Section - Outer Ayakulik Section <p><u>Open</u> until further notice</p> <ul style="list-style-type: none"> - Spiridon Bay Terminal Harvest Area - Pauls Bay Section
27	2:30 PM 8/11/04	NOON 8/12/04	<p><u>Opening</u> 12:00 NOON 8/12 until further notice</p> <ul style="list-style-type: none"> - Inner Ayakulik Section - Raspberry Strait Section - Perenosa Bay Section - Southeast Afognak Section, except that portion of Danger Bay north of 58° 07.00 N. lat. which will remain closed <p><u>Open</u> until further notice</p> <ul style="list-style-type: none"> - Southwest Afognak, Northwest Afognak, Shuyak Island, Pauls Bay and Northeast Afognak Sections - Northwest Kodiak District, including the Spiridon Bay Terminal Harvest Area - Outer Karluk, Sturgeon, Halibut Bay and Outer Ayakulik Sections - Humpy Deadman Section - Eastside Kodiak District - Northeast Kodiak District - Mainland District
		9:00 PM 8/12/04	
		2:30 PM 8/11/04	<p><u>Closed</u> water adjustments until further notice</p> <ul style="list-style-type: none"> - Increased in: Danger Bay to all waters north of 58°.07.00' N. lat. (for commercial fishing)
28	12:00 NOON 8/13/04	12:00 NOON 8/15/04	<p><u>Opening</u> at 12:00 NOON 8/15 until further notice</p> <ul style="list-style-type: none"> - Duck Bay Section

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E.O.#	Issued	Effective	Action Taken
28 (Cont.)		6:00 AM 8/15/04	<p><u>Opening</u> in the Alitak Bay District until 6:00 PM 8/18</p> <ul style="list-style-type: none"> - Olga Bay Section 6:00 AM 8/15 to 6:00 PM 8/18 - Moser Bay Section NOON 8/15 to 6:00 PM 8/18 - Alitak Bay and Cape Alitak Sections 6:00 PM 8/15 to 6:00 PM 8/18 <p><u>Open</u> until further notice</p> <ul style="list-style-type: none"> - Afognak District, except the Izhut Bay, Inner Kitoi Bay and Outer Kitoi Bay Sections, and that portion of the Southeast Afognak Section in Danger Bay north of 58° 07.00' n. lat., which remains closed - Northwest Kodiak District, including the Spiridon Bay Terminal Harvest Area - Southwest Kodiak District, except for Inner Karluk which remains closed - Humpy Deadman Section - Eastside Kodiak District - Northeast Kodiak District - Mainland District <p><u>Closed</u> water adjustments until further notice</p> <ul style="list-style-type: none"> - Increased in: Danger Bay to all waters north of 58°.07.00' N. lat. (for commercial fishing)
29	12:00 NOON 8/16/04	12:00 NOON 8/17/04 6:00 PM 8/18/04	<p><u>Opening</u> at 12:00 NOON 8/17 until further notice</p> <ul style="list-style-type: none"> - Izhut Bay Section <p><u>Closing</u> at 6:00 PM 8/18</p> <ul style="list-style-type: none"> - Spiridon Bay Terminal Harvest Area <p><u>Open</u> until further notice</p> <ul style="list-style-type: none"> - Afognak District, except for the Inner Kitoi Bay and Outer Kitoi Bay Sections, and that portion of the Southeast Afognak Section in Danger Bay north of 58° 07.00' n. lat., which remains closed - Northwest Kodiak District, except for the Spiridon Bay THA Section - Southwest Kodiak District, except for Inner Karluk which remains closed - Humpy Deadman Section - Eastside Kodiak District - Northeast Kodiak District - Mainland District <p><u>Closed</u> water adjustments until further notice</p> <ul style="list-style-type: none"> - Increased in: Danger Bay to all waters north of 58°.07.00' N. lat. (for commercial fishing)

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E.O.#	Issued	Effective	Action Taken
30	12:00 NOON 8/23/04	6:00 PM 8/25/04	<p><u>Closing</u> at 6:00 PM 8/25</p> <ul style="list-style-type: none"> - Northwest Kodiak District - Southwest Afognak Section - Outer Karluk, Halibut Bay and Sturgeon Sections
		6:00 AM 8/26/04	<p><u>Opening</u> in the Alitak Bay District until 6:00 PM 8/28</p> <ul style="list-style-type: none"> - Olga Bay Section 6:00 AM 8/26 to 6:00 PM 8/28 - Moser Bay Section NOON 8/26 to 6:00 PM 8/28 - Alitak Bay and Cape Alitak Sections 6:00 PM 8/26 to 6:00 PM 8/28 <p><u>Open</u> until further notice</p> <ul style="list-style-type: none"> - Northwest Afognak, Shuyak Island, Pauls Bay, Perenosa Bay, Northeast Afognak, Duck Bay and Izhut Bay Sections - Southeast Afognak Section, except for that portion in Danger Bay north of 58° 07.00' n. lat., which remains closed - Inner and Outer Ayakulik Sections - Humpy Deadman Section - Eastside Kodiak District - Northeast Kodiak District - Mainland District <p><u>Closed</u> water adjustments until further notice</p> <ul style="list-style-type: none"> - Increased in: Danger Bay to all waters north of 58°.07.00' N. lat. (for commercial fishing)
31	12:00 NOON 8/26/04	12:00 NOON 8/27/04	<p><u>Opening</u> at 12:00 NOON 8/27 until further notice</p> <ul style="list-style-type: none"> - Outer Kitoi Bay Section <p><u>Open</u> until further notice</p> <ul style="list-style-type: none"> - Northwest Afognak, Shuyak Island, Pauls Bay, Perenosa Bay, Northeast Afognak, Duck Bay and Izhut Bay Sections - Southeast Afognak Section, except for that portion in Danger Bay north of 58° 07.00' n. lat., which remains closed - Inner and Outer Ayakulik Sections - Humpy Deadman Section - Eastside Kodiak District - Northeast Kodiak District - Mainland District <p><u>Closed</u> water adjustments until further notice</p> <ul style="list-style-type: none"> - Increased in: Danger Bay to all waters north of 58°.07.00' N. lat. (for commercial fishing)
32	12:00 NOON 8/27/04	6:00 PM 8/28/04	<p><u>Extension</u> until 3:00 PM 9/2</p> <ul style="list-style-type: none"> - Cape Alitak Section - Alitak Bay Section

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E.O.#	Issued	Effective	Action Taken
32 (Cont.)			<ul style="list-style-type: none"> - Moser Bay Section - Olga Bay Section
		12:00 NOON 8/30/04	<p><u>Opening</u> for 54 hours from NOON 8/30 to 6:00 PM 9/1</p> <ul style="list-style-type: none"> - Northwest Kodiak District - Southwest Afognak Section <p><u>Open</u> until further notice</p> <ul style="list-style-type: none"> - Northwest Afognak, Shuyak Island, Pauls Bay, Perenosa Bay, Northeast Afognak, Outer Kitoi, Duck Bay and Izhut Bay Sections - Southeast Afognak Section, except for that portion in Danger Bay north of 58° 07.00' n. lat., which remains closed - Inner and Outer Ayakulik Sections - Humpy Deadman Section - Eastside Kodiak District - Northeast Kodiak District - Mainland District <p><u>Closed</u> water adjustments until further notice</p> <ul style="list-style-type: none"> - Increased in: Danger Bay to all waters north of 58°.07.00' N. lat. (for commercial fishing)
33	9:00 AM 9/1/04	6:00 PM 9/1/04	<p><u>Closing</u> at 6:00 PM 9/1</p> <ul style="list-style-type: none"> - Southwest Afognak Section - North Cape and Central Sections
		6:00 PM 9/1/04	<p><u>Extension</u> until further notice</p> <ul style="list-style-type: none"> - Uyak Bay Section - Zachar Bay Section - Spiridon Bay Section - Inner Uganik Section - Terror Bay Section - Kizhuyak Bay Section - Sharatin Bay Section - Antone Larsen Bay Section
		3:00 PM 9/2/04	<p><u>Extension</u> until 6:00 PM 9/9</p> <ul style="list-style-type: none"> - Cape Alitak Section - Alitak Bay Section - Moser Bay Section - Olga Bay Section <p><u>Open</u> until further notice</p> <ul style="list-style-type: none"> - Northwest Afognak, Shuyak Island, Pauls Bay, Perenosa Bay, Northeast Afognak, Outer Kitoi, Duck Bay and Izhut Bay Sections

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E.O.#	Issued	Effective	Action Taken
33 (Cont.)-			<ul style="list-style-type: none"> - Southeast Afognak Section, - Inner and Outer Ayakulik Sections - Humpy-Deadman Section - Eastside Kodiak District - Northeast Kodiak District - Mainland District
		9:00 AM 9/1/04	<u>Closed</u> water adjustments <ul style="list-style-type: none"> - Decreased in: Danger Bay to the normal closed water markers north of 58°.07.00' N. lat. (for commercial fishing)
34	11:00 AM 9/8/04	6:00 PM 9/9/04	<u>Extension</u> until further notice <ul style="list-style-type: none"> - Cape Alitak Section - Alitak Bay Section - Moser Bay Section - Olga Bay Section <u>Open</u> until further notice <ul style="list-style-type: none"> - Afognak District except for the Southwest Afognak and Inner Kitoi Bay Sections - Northwest Kodiak District except for the North Cape and Central Section - Inner and Outer Ayakulik Sections - Humpy-Deadman Section - Eastside Kodiak District - Northeast Kodiak District - Mainland District

APPENDIX C: CAPE IGVAK FISHERY SUMMARY

Appendix C1.-Narrative account of the Cape Igvak sockeye salmon fishery in the Kodiak Management Area, 2004.

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 (Simon et al. 1969). The issue of interception of Chignik bound sockeye salmon in the Cape Igvak Section came before the Alaska Board of Fisheries 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) covers the time period from June 5 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 the June 5 to July 25 period will be considered Chignik bound. In 2002 the BOF modified the CISMP such that 90% of the Cape Igvak Section sockeye salmon catch are 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 stipulates strict allocative and biological requirements. From June 5 through July 25 in Chignik, a minimum harvest of 600,000 sockeye salmon must be expected (300,000 for both the early and late run), sockeye salmon escapement at desired levels. Commercial fisheries must begin in the CMA before fisheries are allowed in the Cape Igvak Section (Brennan et al. 2004).

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 10.7 %, of the total CMA sockeye salmon harvest (Appendix C3 and C4). The Cape Igvak harvest has met or exceeded the 15% allocation level only 5 times (1983, 1987, 1993, 1999, and 2004).

2004 Cape Igvak Salmon Fishery

Commercial fishing time was allowed in the Cape Igvak Section during the June 5 to July 25 timing of the management plan. The Cape Igvak fishery first opened June 9, and 9 days of fishing were allowed prior to the end of the management plan period (July 25). Thirty-seven purse seiners harvested 611 Chinook, 178,517 sockeye, 4 coho, 10,389 pink, and 14,980 chum salmon (Appendix C5). Of the total sockeye salmon harvest during the management plan period, 90% or 160,665 sockeye salmon are considered Chignik bound. The Cape Igvak harvest was approximately 17.91% of the total Chignik sockeye salmon return in 2004 (Appendix C3).

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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.

Early Run

In 2004, the preseason forecast for the Chignik system called for a return of approximately 1.26 million early-run (Black Lake) sockeye salmon. The early-run escapement goal is 350,000 to 400,000 sockeye salmon by June 30. This left a forecasted harvestable surplus of 910,000 early run sockeye salmon (Bouwens and Clark 2004).

The Igvak Section was allowed to open on June 9. The 2004 early Chignik sockeye salmon return was close to forecasted run strength. Nine days of fishing were allowed in June during the early run to Chignik. By June 26, there were 178,517 sockeye salmon harvested from the Cape Igvak Section. An estimated 90% of these sockeye salmon, or 160,665 fish, were considered Chignik bound salmon. The CISMP provides for an “overlap period” between the first and second runs (approximately June 26 to July 9) during which fishing in the Cape Igvak Section is closed or severely limited until the strength of the late run (Chignik Lake) can be assessed. In accordance with the CISMP, the Igvak fishery was closed from June 26 through July 9.

Late Run

In 2004, the preseason forecast for late-run (Chignik Lake) sockeye salmon was approximately 1.08 million fish. The late-run escapement goal is 225,000 to 275,000 sockeye salmon. This left a forecasted harvestable surplus of 855,000 sockeye salmon.

By July 10 it was apparent the late sockeye salmon run was much weaker than forecast. Minimal harvest objectives and escapement objectives were not being met in Chignik. Commercial salmon fishing periods were not allowed in the Cape Igvak Section during late run prior to July 25 which concluded the time period that the CISMP was in effect.

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- Bouwens, K. A. and K. J. Clark. 2004. Chignik area commercial salmon management plan, 2004.
- Brennan, K., D. Gretsche, and J. Wadle. 2004. Kodiak Management Area harvest strategy for the 2004 commercial salmon fishery. Alaska Department of Fish and Game, Division of Commercial Fisheries, Regional Information Report 4K04-19, Kodiak.
- Simon, R. J., J. Lechner, M. F. Eaton, and P. B. Jackson. 1969. Kodiak Management Area Annual Report, 1969. State of Alaska, Division of Commercial Fisheries, Region IV Report (*unpublished*), Kodiak.
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Appendix C3.-Harvest of sockeye salmon considered to be Chignik bound in the Chignik, Cape Igvak, and Southeastern District Mainland commercial salmon fisheries, from 1978-2004.

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	0	0.00	4,485	0.90	500,529
1990	1,205,575	84.29	107,706	7.53	117,065	8.18	1,430,346
1991 ^g	1,962,583	80.45	324,195	13.29	152,714	6.26	2,439,492
1992 ^h	1,054,309	81.19	150,434	11.58	93,845	7.23	1,298,588
1993	1,495,098	77.72	300,055	15.60	128,536	6.68	1,923,689
1994 ⁱ	1,632,435	80.61	250,230	12.36	142,350	7.03	2,025,015
1995	1,024,785	79.85	169,530	13.21	89,086	6.94	1,283,401
1996 ^j	1,710,249	79.70	308,327	14.37	127,201	5.93	2,145,777
1997	443,892	100.00	0	0.00	0	0.00	443,892
1998 ^k	786,466	91.22	8,813	1.02	66,893	7.76	862,172
1999	2,326,811	78.70	456,039	15.43	173,621	5.87	2,956,471
2000	1,509,652	80.11	271,344	14.40	103,419	5.49	1,884,415
2001 ^l	1,134,991	79.41	215,214	15.06	79,037	5.53	1,429,242
2002 ^m	849,980	80.99	136,488	13.01	63,026	6.01	1,049,494
2003	855,179	81.68	121,887	11.64	69,935	6.68	1,047,001
2004	681,120	75.94	160,665	17.91	55,123	6.15	896,908

^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 caught in the Northwest Stepovak Section from 1964 to 1991 and during July 1996, and Orzinski Bay from 1992 to 1995).

^b Catch numbers were last modified from the ADF&G computerized historical fish ticket data base in 2004.

^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.

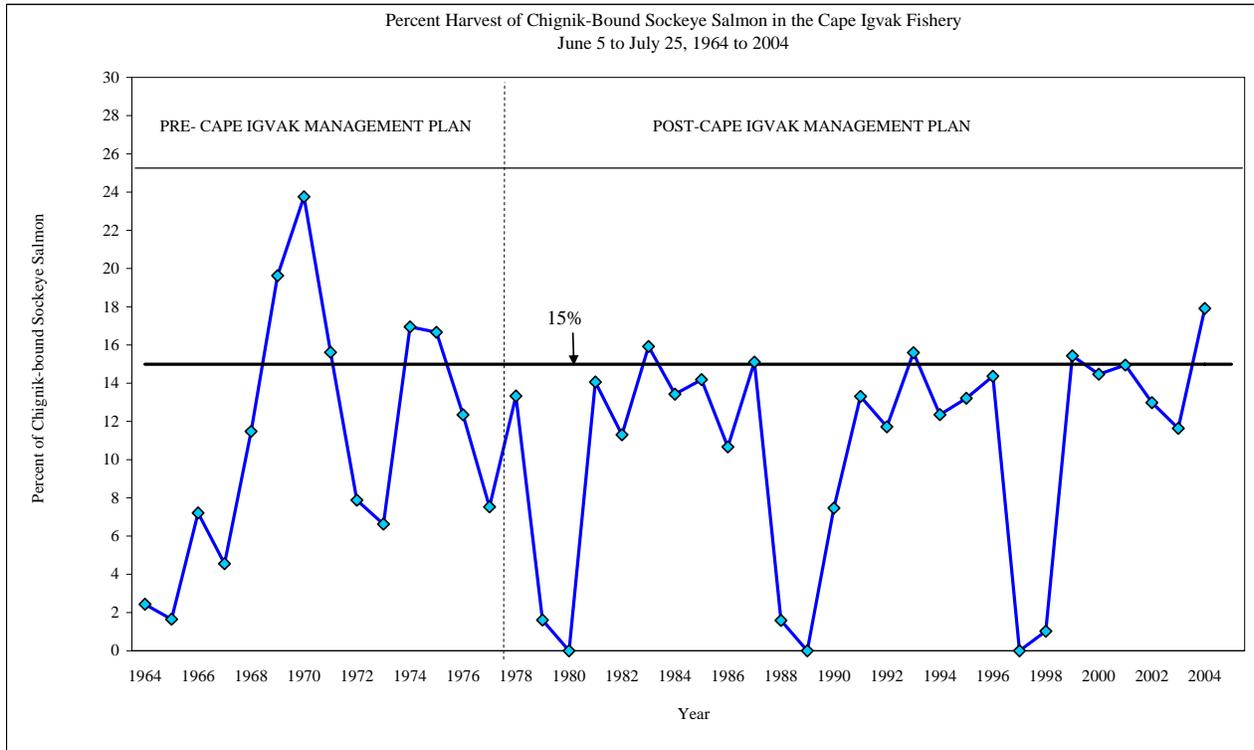
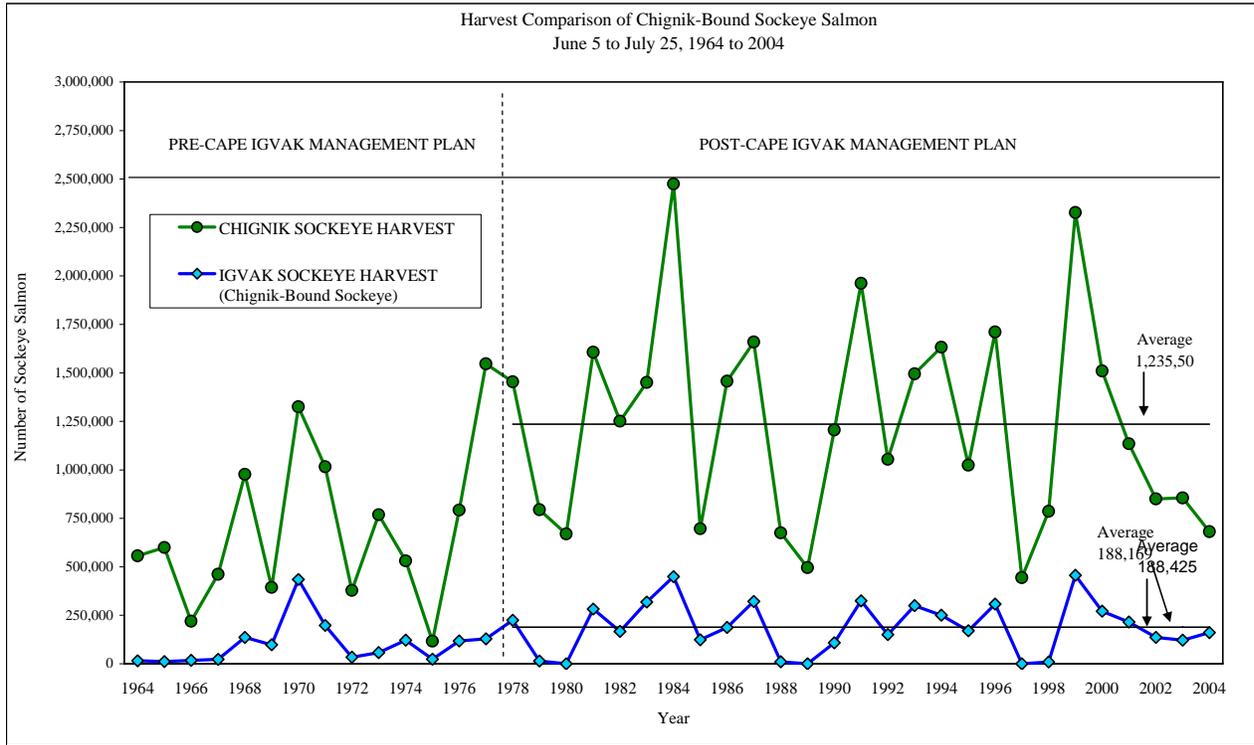
^d In 1978 seining prior to July 11 was disallowed in the Southeastern District Mainland. Set gillnet fisheries were allowed for 3 days per week through July 10, after which the fishery was based on local stock abundance.

^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 1980 the Southeastern District Mainland (excluding the Northwest Stepovak Section and Orzinski Bay in some years) was allowed an allocation 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. Seining was not allowed prior to July 11.
- ^g Includes over escapement of 208,305 sockeye salmon, counted through the Chignik weir during a Chignik Area Seiners strike (June 23 to July 4).
- ^h Beginning in 1992, after Board of Fisheries 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.
- ⁱ Includes over escapement of 208,921 sockeye salmon, counted through the Chignik weir during a Chignik Area Seiners strike (June 2 to June 25).
- ^j In January 1996 the BOF increased the area managed for local Orzinski Lake sockeye salmon from only Orzinski Bay to the entire Northwest Stepovak Section. Prior to July 1 the entire Northwest Stepovak Section will be managed by allocation based on Chignik sockeye salmon run strength. Beginning July 1 the Northwest Stepovak Section is managed entirely on local stocks. The BOF also decreased the percentage of Chignik bound sockeye salmon allocated to the Southeastern District Mainland fishery from 7.0 percent to 6.0 percent.
- ^k 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).
- ^l Includes 176,605 sockeye salmon caught June 16-29 by the Chignik Seiners Association, and foregone harvest due to over escapement of 398,887 in the CMA and 27,896 in the SEDM during the fishermen's strike (June 14 to July 2).
- ^m In 2002, the Board of Fisheries changed the regulations such that 90% of the sockeye salmon harvested in the Cape Igvak Section from June 5 through July 25 are to be considered Chignik bound.

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



Appendix C5.-Purse seine daily harvest, by species, for the Cape Igvak Salmon Management Plan units, 2004.

Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
First Period (June 9-July 8)												
9-Jun	10	10	64	1,137	17,114	86,463	0	0	1,401	2,237	3,226	31,063
10-Jun	9	10	35	562	10,664	54,292	0	0	690	1,381	2,769	23,628
16-Jun	8	8	35	363	8,906	45,828	0	0	169	274	400	2,967
17-Jun	14	16	27	392	17,612	88,982	0	0	557	1,421	963	8,059
18-Jun	10	12	36	514	16,244	84,198	0	0	725	1,652	528	3,991
19-Jun	19	21	50	736	37,297	209,551	0	0	1,032	2,512	1,691	12,946
20-Jun	21	23	226	2,412	25,836	148,827	0	0	1,703	3,539	1,259	10,431
21-Jun	17	17	91	913	21,572	123,548	0	0	797	2,498	1,946	15,932
22-Jun	22	24	47	671	23,272	134,892	4	29	3,315	7,154	2,198	16,860
Subtotal	37	141	611	7,700	178,517	976,581	4	29	10,389	22,668	14,980	125,877
Second Period (July 9-July 25) No fishing allowed												
Subtotal	0	0	0	0	0	0	0	0	0	0	0	0
Season total	37	141	611	7,700	178,517	976,581	4	29	10,389	22,668	14,980	125,877
Avg. Wt.				12.60		5.47		7.25		2.18		8.40

APPENDIX D: ALITAK BAY DISTRICT FISHERY SUMMARY

Introduction

The Alitak Bay District (ABD) 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 (Appendix D2). Prior to the mid-1980s various strategies were applied in the Alitak Bay District 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 1987, the existing harvest strategy was formalized into a regulatory management plan and adopted by the BOF (5 AAC 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 (Brennan et al. 2004).

This management plan has been in effect since 1988 and was most recently revised by the BOF in 2002. Allocation objectives were determined for Cape Alitak Section seine fishers, and for gillnet fishers in Olga Bay, Moser Bay, and Alitak Bay (Appendix D3). To accomplish these objectives, 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 ABD (Brennan 2004). 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 are staggered in their opening times according to regulation (Brennan et al. 2004; ADF&G 2002).

2004 Alitak Bay Fishery

The 2004 forecast for the Frazer Lake system was 244,000 sockeye salmon (range 66,000 to 706,000), with an estimated harvestable surplus of approximately 104,000 sockeye salmon. The forecast for Upper Station early run was 163,000 sockeye salmon (range 101,000 to 238,000), with an estimated harvestable surplus of approximately 138,000 sockeye salmon (Brennan et al. 2004).

KMA managers tentatively scheduled a commercial salmon fishing period for June 5 in the Alitak Bay District if certain criteria were met prior to June 3. 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 run peaking. Sockeye salmon escapement to the Upper Station system began earlier than normal with higher than average escapement counts by June 3.

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The early Upper Station optimal escapement goal (OEG) (25,000; Nelson and Lloyd 2001) was exceeded on June 2 and it was evident that the sustainable escapement goal (SEG) would be achieved. Test fish numbers also indicated a strong push of sockeye salmon traveling into Olga Bay. Since the established criteria were met, ADF&G allowed a 33-hour test fishery on June 5. By June 6, the SEG for Upper Station was achieved and Frazer Lake sockeye salmon escapement (34,677) was well ahead of interim escapement objectives. KMA managers then allowed a series of extensions up to the maximum fishing time allowed (7.4 days) by the Alitak Bay District Management Plan (ABDMP) followed by the regulatory 2.6-day closure.

Escapements into the Upper Station System continued to be strong during the closure and another fishing period was announced for June 16. Concerns of over-escapement led KMA managers to open the terminal harvest areas of Inner and Outer Upper Station on June 18 until further notice. By June 21, the early Upper Station SEG (50,000 – 75,000; Nelson and Lloyd 2001) was surpassed (76,725), the Frazer system escapement (103,924) was well ahead of interim escapement objectives (24,062 – 32,083), and the ABD opened until further notice as dictated in the ABD management plan (5 AAC 18.361; ADF&G 2002)

The ABD, including the normally closed water of the Inner and Outer Upper Station Sections, remained open to commercial salmon fishing until July 2. At that time it became evident that although the escapement at the Dog Salmon weir had been significant, fish were not entering the Frazer Lake fish pass through which fish must travel in order to enter the Frazer Lake system to spawn. The escapement count at the fish pass was only 30,868 sockeye salmon on June 29. The diversion weir to the fish pass had been rebuilt in the spring of 2004, and it had been reported that some fish may have bypassed the weir and could not enter the fish pass. A closure was announced in order to allow additional escapement into the system and return to the pulse fishery schedule in the regulatory management plan. The Inner and Outer Upper Station Sections remained open to harvest early-run Upper Station sockeye salmon in excess of escapement needs.

Problems with a new diversion weir at the Frazer Lake fish pass were resolved and escapement counts at the fish pass increased. The cumulative sockeye salmon escapement of Frazer Lake sockeye salmon through the Dog Salmon weir (113,926 fish) by July 1, was within interim escapement objectives (89,100 - 118,800) and well on the way to achieving the season total BEG (140,000 - 200,000; Nelson and Lloyd 2001). Survey reports from the Dog Salmon Flats Section indicated a substantial number of sockeye salmon, over 35,000, had moved on Dog Salmon Flats and were staged to enter the river. ADF&G test fishery catches indicated a large number of sockeye salmon had passed Olga Narrows and were moving into the upper bay. The continued good escapement, a large buildup on Dog Salmon Flats, and more fish traveling to the upper bay justified a 24-hour fishery July 7 in the normally closed Dog Salmon Flats Section.

By July 15, escapement through the Dog Salmon weir was 156,942 sockeye salmon, which was within interim escapement objectives (120,000 – 160,000). The sockeye salmon escapement through the Upper Station weir was 78,487, surpassing the early-run SEG (50,000 - 75,000 through July 15; Nelson and Lloyd 2001).

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The ABD Salmon Management Plan (5 AAC 18.361) dictates that during even-numbered years (as in 2004) from July 16 through August 9 commercial salmon fishing must be managed in the Cape Alitak, Moser, and Olga Bay Sections based on the sockeye salmon run to the Upper Station system. The Humpy-Deadman Section shall be managed based on the strength of salmon runs to its systems through season's end. The late-run Upper Station sockeye salmon run was forecasted to be an estimated 538,000 fish (range 421,000 to 1,426,000) with a harvestable surplus of approximately 363,000 (Brennan et al. 2004). The 2004 forecasted pink salmon harvest for the ABD was approximately 1.9 to 2.3 million pink salmon (Brennan et al. 2004).

Because of the large late-run sockeye salmon expected at Upper Station, and continuing strong late escapements into Frazer Lake, extensive fishing time was allowed in the ABD beginning July 16. The ADF&G crew at the Dog Salmon weir reported large numbers of sockeye salmon staged in the terminal Dog Salmon Flats Section at the outlet of the river, past the 'traditional' fishing areas. A 24-hour fishery was allowed on July 17 in the Dog Salmon Flats Section. Even with the commercial fisheries, the Upper Station sockeye salmon escapement counts continued at a good rate, meeting and exceeding interim objectives near the end of August. The remainder of the ABD was allowed maximum fishing time until the end of the season.

The late-run Upper Station escapement was 175,252 sockeye salmon, meeting the established SEG (150,000 to 200,000; Nelson and Lloyd 2001).

Season Totals

The relative percentages of the sockeye salmon harvest in the traditional fishing sections, of Cape Alitak, Alitak Bay, Moser Bay, and Olga Bay, did not fall within the BOF allocative guidelines in 2004. The Cape Alitak Section harvested 36.80% of the total sockeye salmon (allocative guideline 38% to 44%; Appendix D3). The Alitak Bay Section harvested 26.03% of the sockeye salmon (allocative guideline 18% to 24%; Appendix D3). The Moser Bay Section finished the season with 25.00% of the harvest (allocative guideline 16% to 22%; Appendix D3); while the Olga Bay Section harvested 12.17% (allocative guideline 16% to 22%; Appendix D3).

Thirty-five gillnet permit holders fished in Alitak Bay Section (statistical area 257-41), and harvested 22 Chinook, 286,847 sockeye, 2,156 coho, 99,112 pink, and 5,136 chum salmon (Appendix D4). Thirty-nine gillnet permit holders fished in Moser Bay (statistical area 257-43), and harvested 16 Chinook, 275,517 sockeye, 4,607 coho, 159,238 pink, and 3,929 chum salmon (Appendix D4). Thirty-two gillnet permit holders fished in Olga Bay (statistical area 257-40), and harvested 14 Chinook, 134,095 sockeye, 1,768 coho, 86,408 pink, and 4,363 chum salmon, (Appendix D4).

Thirty two purse seine permit holders fished in the ABD fisheries, and harvested 1,263 Chinook (96% of the total ABD Chinook harvest), 448,128 sockeye (39%), 7,366 coho (46%), 1,075,327 pink (76%), and 23,104 chum salmon (60%; Appendices D5, D6, and D7). Seventy-one gillnet permit holders fished in the ABD, and harvested 53 Chinook (4%), 708,411 sockeye (61%), 8,531 coho (54%), 344,861 pink (24%), and 15,244 chum (40%) salmon (Appendices D4, D6 and D7).

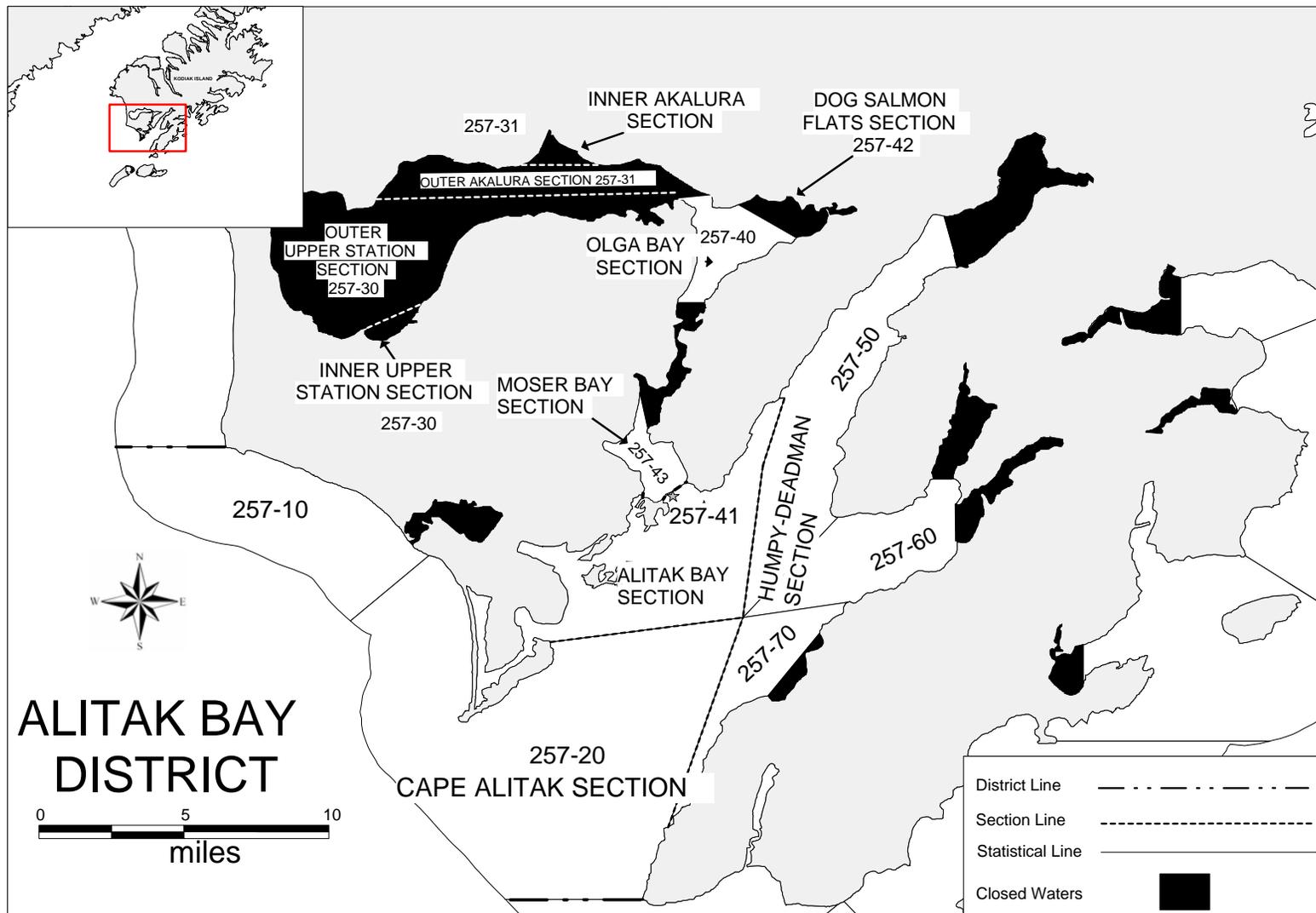
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Terminal harvest fisheries accounted for approximately 1% of the total sockeye salmon harvest in the ABD. Eighteen gill net permit holders harvested a total of 9,805 sockeye salmon in the Dog Salmon Flats Section (statistical area 257-42) and 2,147 in the Inner and Outer Upper Station Section (statistical area 257-30; Appendix D4.).

The Frazer Lake escapement (counted through the Dog Salmon weir) equaled 226,266 sockeye salmon (Table 6). However, the sockeye salmon escapement through the Frazer Lake fishpass equaled 120,664, which was below the current BEG (140,000 – 160,000; Nelson and Lloyd 2001). The total sockeye salmon escapement into the Upper Station system was 255,595 (Table 6) which was within the combined early and late-run SEGs (200,000 – 275,000; Nelson and Lloyd 2001)

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Appendix D2.-Map of the Alitak Bay District showing sections, statistical areas and closed waters, 2004.

Appendix D3.-Alaska Board of Fisheries approved allocative guidelines for the commercial harvest of sockeye salmon with harvest percentages by gear type and section for the Alitak Bay District, 2004.

Year	Section	Allocative Guidelines	Harvest	Percent of Total Harvest
2004	Cape Alitak	38 % to 44 %	405,609	36.80%
	Alitak Bay	18 % to 24 %	286,847	26.03%
	Moser	16 % to 22 %	275,517	25.00%
	Olga	16 % to 22 %	134,095	12.17%
Total Harvest			1,102,068	100.00%

Appendix D4.-Set gillnet daily salmon harvest, by species and section, for the Alitak Bay District, 2004.

Section & Stat Area	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Upper Station													
257-30													
	18-Jun												
	19-Jun												
	20-Jun												
	22-Jun												
	23-Jun												
	24-Jun												
	25-Jun												
	26-Jun												
	27-Jun												
	3-Jul												
	4-Jul												
	5-Jul												
Total		4	26	0	0	2,147	8,242	0	0	0	0	0	0
Avg. wt.							3.84						
Olga Bay													
257-40													
	5-Jun	10	10	0	0	9,495	45,036	0	0	0	0	2	16
	6-Jun	10	13	2	23	6,619	30,704	0	0	0	0	2	14
	7-Jun	11	14	0	0	1,617	7,497	0	0	0	0	0	0
	8-Jun	10	10	0	0	1,314	6,105	0	0	0	0	2	15
	9-Jun	10	10	0	0	776	3,777	0	0	0	0	0	0
	10-Jun	9	9	1	15	3,126	14,886	0	0	0	0	4	31
	11-Jun	7	8	0	0	3,645	17,238	0	0	0	0	5	33
	12-Jun	8	12	0	0	3,146	14,496	0	0	0	0	3	26
	13-Jun	9	9	1	13	1,089	5,264	0	0	0	0	8	60
	16-Jun	12	13	1	12	9,610	45,895	0	0	0	0	50	424
	17-Jun	12	13	0	0	7,079	33,668	0	0	0	0	37	286

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Appendix D4.-Page 2 of 10.

Section & Stat Area	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
257-40	18-Jun	9	9	2	44	2,120	9,883	0	0	0	0	22	175
(continued)	19-Jun	9	10	0	0	1,187	5,636	0	0	0	0	39	333
	20-Jun	11	12	0	0	1,785	8,611	0	0	0	0	44	351
	21-Jun	11	14	1	20	1,241	5,791	0	0	0	0	27	226
	22-Jun	7	7	1	5	581	2,794	0	0	0	0	21	177
	23-Jun	8	8	0	0	552	2,706	0	0	0	0	26	211
	24-Jun	10	10	0	0	1,245	6,639	0	0	0	0	45	380
	25-Jun	8	8	0	0	788	3,828	0	0	1	4	47	414
	26-Jun	10	11	2	31	1,091	5,109	0	0	0	0	40	333
	27-Jun	10	11	2	36	978	4,461	0	0	0	0	34	307
	28-Jun	11	11	0	0	757	3,594	0	0	0	0	58	486
	29-Jun	6	7	0	0	243	1,139	0	0	1	4	48	431
	30-Jun	10	10	0	0	467	2,295	0	0	0	0	39	320
	1-Jul	9	9	0	0	754	3,772	0	0	0	0	70	554
	2-Jul	10	12	0	0	1,169	5,843	1	6	2	6	61	507
	6-Jul	15	23	0	0	6,399	31,330	0	0	14	53	288	2,341
	7-Jul	11	14	0	0	1,587	7,720	27	129	3	9	104	814
	8-Jul	13	21	0	0	1,406	6,840	0	0	4	13	201	1,704
	9-Jul	12	13	0	0	599	2,865	0	0	3	13	171	1,457
	10-Jul	11	11	0	0	266	1,248	0	0	5	20	44	380
	11-Jul	11	11	0	0	440	2,084	27	131	6	21	82	725
	12-Jul	10	10	0	0	309	1,565	0	0	10	51	85	682
	13-Jul	7	7	0	0	191	882	0	0	8	27	111	899
	16-Jul	12	24	0	0	10,222	52,385	0	0	525	2,182	521	4,259
	17-Jul	13	19	0	0	3,767	19,051	0	0	295	1,177	351	2,653
	18-Jul	10	11	0	0	841	4,206	0	0	45	172	11	94
	19-Jul	10	10	0	0	531	2,697	0	0	90	353	70	547
	20-Jul	10	10	0	0	473	2,477	1	8	181	656	110	949
	21-Jul	9	12	0	0	826	3,643	0	0	178	725	64	492
	22-Jul	8	10	0	0	565	3,173	0	0	236	887	37	290
	23-Jul	8	8	0	0	339	1,757	0	0	138	605	23	207

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Section & Stat Area	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
257-40	26-Jul	10	12	0	0	2,706	14,485	0	0	1,769	7,235	27	193
(continued)	27-Jul	9	10	0	0	1,573	8,330	0	0	1,295	5,227	61	496
	28-Jul	11	22	0	0	905	5,236	0	0	1,039	4,018	51	409
	29-Jul	9	14	0	0	554	2,889	0	0	1,099	4,449	40	335
	30-Jul	10	15	0	0	896	5,055	0	0	1,769	7,222	41	294
	31-Jul	9	9	0	0	796	4,270	0	0	2,070	8,568	21	167
	1-Aug	9	10	0	0	1,169	6,261	0	0	2,862	11,202	27	213
	2-Aug	7	9	0	0	1,184	6,109	1	6	1,780	7,120	16	114
	5-Aug	10	15	0	0	5,058	29,701	399	2,310	14,078	56,381	94	759
	6-Aug	10	16	0	0	3,562	18,844	7	65	7,583	30,487	44	335
	7-Aug	10	17	1	4	1,563	8,358	6	28	5,467	21,532	41	320
	8-Aug	9	9	0	0	1,532	7,674	12	87	7,771	29,875	60	490
	9-Aug	10	10	0	0	568	3,080	6	41	4,038	15,419	31	247
	10-Aug	7	9	0	0	699	3,872	9	63	2,985	12,011	30	253
	11-Aug	7	9	0	0	519	2,925	8	81	3,303	13,050	30	248
	12-Aug	8	9	0	0	272	1,415	17	119	1,224	4,834	16	136
	15-Aug	11	22	0	0	3,738	20,591	52	457	7,008	27,872	74	606
	16-Aug	9	14	0	0	1,284	6,876	33	277	3,758	14,770	46	400
	17-Aug	9	9	0	0	497	2,643	19	165	2,858	11,170	49	396
	18-Aug	8	10	0	0	725	4,070	26	220	2,533	9,682	19	152
	26-Aug	10	11	0	0	1,902	10,425	151	1,484	1,510	6,103	63	551
	27-Aug	9	11	0	0	547	3,245	136	1,389	1,128	4,611	132	1,066
	28-Aug	5	5	0	0	496	2,626	56	560	1,328	5,260	43	347
	29-Aug	6	7	0	0	1,780	9,302	120	1,151	1,297	5,229	38	290
	30-Aug	4	5	0	0	1,142	6,347	92	817	1,040	4,187	36	276
	31-Aug	4	5	0	0	1,316	7,051	92	876	828	3,159	42	319
	1-Sep	5	7	0	0	1,078	6,132	50	511	460	1,921	33	287
	2-Sep	4	4	0	0	715	3,749	77	724	112	451	39	295
	3-Sep	4	5	0	0	867	4,654	65	681	90	380	29	204
	4-Sep	5	5	0	0	749	4,135	64	589	213	815	17	138
	5-Sep	4	5	0	0	774	4,156	74	705	218	824	37	289

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Section & Stat Area	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
257-40	6-Sep	4	5	0	0	747	4,121	43	388	72	358	16	125
(continued)	7-Sep	5	6	0	0	448	2,560	73	750	74	294	13	101
	8-Sep	Confidentiality rules prohibit the release of this information											
	9-Sep												
	10-Sep												
	11-Sep												
	12-Sep												
Total		32	821	14	203	134,095	674,639	1,768	15,045	86,408	342,710	4,363	35,454
Avg. wt.					14.50		5.03		8.51		3.97		8.13

Dog Salmon Flats
257-42

	7-Jul	13	16	0	0	5,286	24,831	0	0	6	26	426	3,715
	8-Jul	10	17	1	10	3,123	14,948	0	0	2	6	448	4,479
	17-Jul	5	8	0	0	991	4,371	0	0	80	278	792	7,011
	18-Jul	Confidentiality rules prohibit the release of this information											
Total		18	43	1	10	9,805	45,965	0	0	103	394	1,816	16,793
Avg. wt.					10.00		4.69				3.83		9.25

Moser Bay
257-43

	5-Jun	9	11	0	0	3,638	16,904	0	0	0	0	0	0
	6-Jun	13	15	1	32	6,503	30,377	0	0	0	0	0	0
	7-Jun	14	17	0	0	3,942	18,217	0	0	0	0	0	0
	8-Jun	10	12	0	0	1,894	8,602	0	0	0	0	0	0
	9-Jun	12	15	1	3	2,251	10,345	0	0	0	0	0	0
	10-Jun	12	13	0	0	5,419	25,204	0	0	0	0	3	21
	11-Jun	11	14	0	0	7,056	31,850	0	0	0	0	1	8
	12-Jun	11	15	1	14	7,483	34,178	0	0	0	0	6	48
	13-Jun	8	10	0	0	2,652	12,202	0	0	0	0	8	56

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Section & Stat Area	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
257-43	16-Jun	11	11	0	0	3,338	16,129	0	0	0	0	18	135
(continued)	17-Jun	12	17	0	0	5,581	26,431	0	0	0	0	14	110
	18-Jun	12	16	0	0	3,452	16,139	0	0	0	0	46	380
	19-Jun	13	16	2	31	2,927	14,067	0	0	0	0	17	140
	20-Jun	11	13	0	0	1,842	8,910	0	0	0	0	30	225
	21-Jun	13	17	0	0	3,363	16,506	0	0	0	0	28	234
	22-Jun	14	17	0	0	3,410	15,911	0	0	0	0	65	523
	23-Jun	16	23	0	0	4,931	23,634	0	0	0	0	67	540
	24-Jun	16	21	0	0	3,728	18,159	1	5	2	7	93	690
	25-Jun	12	14	0	0	2,246	10,830	0	0	0	0	57	472
	26-Jun	16	21	3	41	3,664	17,255	0	0	0	0	64	495
	27-Jun	16	17	0	0	3,103	14,938	0	0	0	0	60	502
	28-Jun	12	18	0	0	3,526	17,299	0	0	0	0	138	1,026
	29-Jun	15	19	1	6	3,501	17,312	0	0	0	0	113	953
	30-Jun	13	18	0	0	3,600	17,600	0	0	7	29	84	689
	1-Jul	15	18	1	9	4,482	21,744	0	0	13	46	134	1,091
	2-Jul	12	22	0	0	4,194	21,179	0	0	5	19	120	1,014
	6-Jul	9	10	1	14	2,367	11,732	13	51	22	87	86	697
	7-Jul	14	17	0	0	3,035	15,201	104	535	18	61	110	841
	8-Jul	11	16	0	0	2,651	12,665	4	36	19	64	110	858
	9-Jul	11	13	0	0	1,818	8,598	0	0	38	145	62	481
	10-Jul	13	17	0	0	1,322	6,430	0	0	33	120	67	524
	11-Jul	13	16	0	0	1,754	8,897	1	8	59	230	96	770
	12-Jul	14	17	0	0	2,222	11,015	1	7	116	447	138	1,105
	13-Jul	11	16	0	0	1,791	8,798	0	0	94	391	76	676
	16-Jul	12	14	0	0	3,970	20,786	3	21	610	2,268	83	633
	17-Jul	13	18	0	0	4,054	19,980	0	0	685	2,434	83	637
	18-Jul	13	20	0	0	2,046	10,409	0	0	356	1,354	41	310
	19-Jul	13	19	0	0	1,827	9,142	0	0	481	1,802	58	479
	20-Jul	13	18	0	0	2,592	13,142	2	17	864	3,230	53	399
	21-Jul	12	19	0	0	3,316	16,398	56	274	1,065	3,887	50	394
	22-Jul	11	19	0	0	3,563	17,867	2	17	1,311	5,228	57	457

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Section & Stat Area	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
257-43	23-Jul	11	14	0	0	2,479	12,466	0	0	1,254	5,313	45	349
(continued)	26-Jul	11	11	0	0	1,654	8,903	0	0	2,663	10,241	48	362
	27-Jul	15	22	0	0	2,480	13,162	1	4	3,760	14,382	54	401
	28-Jul	15	19	0	0	1,442	7,695	3	19	2,973	11,239	54	453
	29-Jul	14	19	0	0	1,806	9,656	11	71	3,128	12,767	31	259
	30-Jul	13	22	0	0	3,406	18,100	5	39	7,712	30,425	57	453
	31-Jul	13	19	0	0	2,765	15,016	10	83	5,641	22,984	46	375
	1-Aug	12	22	0	0	6,319	34,055	5	38	9,576	38,664	55	473
	2-Aug	9	10	0	0	3,435	18,792	1	5	4,594	18,142	9	75
	5-Aug	12	16	0	0	2,002	10,754	13	90	4,874	18,807	44	348
	6-Aug	14	24	1	8	3,910	21,051	10	81	8,764	35,189	71	566
	7-Aug	15	26	0	0	4,674	25,962	30	243	10,236	41,707	49	409
	8-Aug	15	28	0	0	4,226	23,072	27	211	9,412	37,302	42	316
	9-Aug	15	27	0	0	4,103	22,275	37	325	9,162	35,714	54	465
	10-Aug	14	26	0	0	3,592	19,399	35	314	7,318	29,459	43	356
	11-Aug	14	18	0	0	1,867	10,404	41	336	5,504	21,297	27	223
	12-Aug	12	19	0	0	1,394	7,939	39	408	3,580	14,193	19	160
	15-Aug	14	21	1	16	6,294	34,727	64	651	6,582	25,977	43	316
	16-Aug	15	23	0	0	4,139	24,418	110	1,087	7,938	32,140	62	491
	17-Aug	15	26	0	0	4,145	22,902	131	1,140	7,897	30,925	36	303
	18-Aug	15	20	0	0	3,489	19,292	58	572	6,033	23,941	40	338
	26-Aug	14	18	0	0	2,638	14,223	335	3,216	2,977	12,063	62	498
	27-Aug	16	27	1	16	4,258	23,228	329	3,135	5,576	22,317	78	580
	28-Aug	14	25	1	7	6,095	32,253	347	2,807	4,648	17,552	63	492
	29-Aug	15	24	0	0	7,079	37,967	224	2,127	2,961	12,085	32	257
	30-Aug	13	19	0	0	6,660	35,668	211	2,308	2,874	11,127	56	432
	31-Aug	15	25	0	0	5,999	32,176	220	2,156	1,979	7,560	34	254
	1-Sep	12	23	1	5	3,253	18,204	194	1,874	1,126	4,307	32	305
	2-Sep	15	23	0	0	4,056	21,667	334	3,250	633	2,428	34	269
	3-Sep	12	21	0	0	6,432	34,297	209	2,104	166	569	20	169
	4-Sep	16	25	0	0	5,791	32,251	286	2,790	895	3,356	38	309

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Section & Stat Area	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
257-43	5-Sep	11	19	0	0	3,620	19,827	233	2,115	411	1,560	23	193
(continued)	6-Sep	11	17	0	0	2,080	11,536	235	2,304	333	1,228	129	773
	7-Sep	11	15	0	0	1,465	8,191	181	1,704	124	485	20	166
	8-Sep	9	14	0	0	1,011	5,710	167	1,596	56	217	13	144
	9-Sep	11	16	0	0	1,190	6,396	112	1,009	45	166	9	67
	10-Sep	10	12	0	0	588	3,238	37	316	21	76	7	46
	11-Sep	5	6	0	0	510	2,778	12	110	14	52	5	35
	12-Sep	4	5	0	0	643	3,822	13	135	0	0	2	18
	13-Sep	Confidentiality rules prohibit the release of this information											
	14-Sep												
	15-Sep												
	16-Sep												
Total		39	1,448	16	202	275,517	1,410,387	4,607	42,837	159,238	629,805	3,929	31,160
Avg. wt.					12.63		5.12		9.30		3.96		7.93

Alitak Bay Section

257-41

5-Jun	13	13	1	25	2,908	13,924	0	0	0	0	0	0	0
6-Jun	10	18	0	0	3,431	17,038	0	0	0	0	0	0	0
7-Jun	10	16	0	0	2,784	13,849	0	0	0	0	0	0	0
8-Jun	12	17	2	35	3,621	17,196	0	0	0	0	0	2	18
9-Jun	12	19	0	0	4,347	20,241	0	0	0	0	0	3	23
10-Jun	14	20	0	0	6,619	32,307	0	0	0	0	0	4	34
11-Jun	11	15	0	0	4,428	22,132	0	0	0	0	0	6	51
12-Jun	13	19	0	0	4,550	22,548	0	0	0	0	0	5	36
13-Jun	14	21	1	34	3,754	18,889	0	0	0	0	0	4	32
16-Jun	9	10	2	42	3,369	17,804	0	0	0	0	0	4	34
17-Jun	14	17	5	87	4,748	24,802	0	0	0	0	0	16	127
18-Jun	14	19	3	55	7,967	39,479	0	0	1	4	49	73	594
19-Jun	14	25	0	0	4,462	22,606	0	0	3	9	73	594	
20-Jun	16	23	1	4	4,742	23,096	0	0	0	0	60	455	

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Section & Stat Area	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
257-41	21-Jun	13	19	0	0	5,130	25,307	1	6	0	0	53	427
(continued)	22-Jun	14	24	0	0	5,797	28,609	0	0	0	0	67	504
	23-Jun	14	19	0	0	3,165	15,813	0	0	1	3	66	520
	24-Jun	16	22	2	50	5,470	27,403	0	0	2	6	79	624
	25-Jun	16	32	0	0	6,124	32,093	0	0	9	27	83	642
	26-Jun	17	25	1	24	4,173	21,476	0	0	5	16	105	834
	27-Jun	17	25	0	0	2,795	14,246	0	0	4	12	64	518
	28-Jun	16	27	0	0	8,281	42,161	4	22	16	52	117	1,002
	29-Jun	16	25	0	0	6,527	33,571	0	0	27	85	123	1,056
	30-Jun	16	26	0	0	6,501	33,967	3	21	48	171	130	1,036
	1-Jul	16	22	0	0	6,935	35,351	4	21	56	197	182	1,519
	2-Jul	14	24	0	0	5,942	31,156	4	28	30	110	155	1,309
	6-Jul	4	4	0	0	896	4,576	3	17	23	83	34	281
	7-Jul	12	19	0	0	4,058	21,118	153	810	181	663	192	1,519
	8-Jul	14	22	0	0	5,001	26,124	7	43	222	758	184	1,470
	9-Jul	13	21	0	0	4,073	21,302	6	34	196	727	174	1,389
	10-Jul	15	27	0	0	5,879	31,137	11	90	260	953	199	1,570
	11-Jul	16	25	0	0	5,668	28,363	17	124	314	1,012	169	1,527
	12-Jul	16	25	0	0	5,306	28,276	14	100	292	1,185	146	1,073
	13-Jul	13	19	0	0	4,030	21,880	16	90	372	1,485	139	924
	16-Jul	3	4	0	0	752	3,829	3	22	166	677	20	164
	17-Jul	14	26	0	0	5,947	31,264	9	55	1,587	5,459	176	1,241
	18-Jul	14	22	1	26	2,928	15,307	7	42	906	3,517	96	695
	19-Jul	13	19	0	0	2,598	13,662	5	38	1,019	4,120	128	944
	20-Jul	14	20	0	0	3,486	18,565	12	97	1,378	5,410	114	884
	21-Jul	13	21	0	0	3,755	19,631	7	48	1,655	5,952	127	1,033
	22-Jul	14	21	0	0	2,728	14,659	62	323	1,615	6,122	78	630
	23-Jul	11	14	0	0	1,960	10,481	1	6	1,110	4,341	42	295
	26-Jul	Confidentiality rules prohibit the release of this information											
	27-Jul	15	25	0	0	3,596	18,889	12	102	4,834	18,445	142	1,173
	28-Jul	14	21	0	0	2,976	15,827	6	41	3,652	14,586	89	690

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Section & Stat Area	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	
257-41 (continued)	29-Jul	15	24	0	0	3,110	16,389	4	32	5,024	19,813	107	900	
	30-Jul	12	20	0	0	2,639	14,001	4	36	4,841	18,766	91	742	
	31-Jul	13	25	0	0	2,711	14,716	31	204	4,195	15,856	40	334	
	1-Aug	13	18	0	0	3,264	17,776	4	34	3,175	12,564	22	181	
	2-Aug	11	16	0	0	2,824	15,318	129	721	3,543	13,734	30	223	
	5-Aug	Confidentiality rules prohibit the release of this information												
	6-Aug	12	18	1	32	5,117	27,718	18	146	5,526	22,012	99	759	
	7-Aug	15	21	0	0	3,142	16,937	122	759	7,010	27,318	53	421	
	8-Aug	13	20	0	0	2,735	15,133	27	225	5,107	19,249	29	239	
	9-Aug	13	21	0	0	3,912	21,651	34	297	6,722	25,670	92	735	
	10-Aug	14	20	0	0	2,341	12,819	31	278	5,305	20,256	55	475	
	11-Aug	13	18	0	0	1,439	7,991	38	348	2,881	10,910	33	253	
	12-Aug	10	12	0	0	1,231	6,849	13	119	1,951	7,527	11	100	
	15-Aug	Confidentiality rules prohibit the release of this information												
	16-Aug	16	25	0	0	4,075	22,265	56	512	5,904	23,010	74	548	
17-Aug	14	22	1	21	2,576	14,269	39	327	3,863	14,566	229	987		
18-Aug	13	16	0	0	2,342	12,638	32	303	3,279	12,592	32	275		
26-Aug	4	4	0	0	545	2,966	4	37	479	1,835	24	177		
27-Aug	11	19	0	0	3,355	18,211	57	542	2,169	8,617	68	580		
28-Aug	10	17	0	0	3,895	21,627	111	1,041	1,704	6,702	40	320		
29-Aug	11	18	0	0	4,369	23,688	104	974	1,082	4,136	35	280		
30-Aug	11	20	0	0	3,941	21,807	89	930	901	3,545	43	370		
31-Aug	9	14	0	0	3,820	20,887	58	611	745	2,922	32	265		
1-Sep	8	15	0	0	2,461	13,647	41	409	474	1,875	22	156		
2-Sep	8	15	0	0	2,747	15,849	87	901	306	1,193	18	159		
3-Sep	9	14	1	7	3,611	19,204	67	679	96	340	12	106		
4-Sep	9	15	0	0	2,605	14,875	104	1,020	140	555	32	272		
5-Sep	10	16	0	0	2,746	15,355	71	642	130	516	18	163		
6-Sep	9	16	0	0	1,753	9,583	47	491	101	444	11	75		
7-Sep	8	12	0	0	1,120	6,239	44	417	38	145	11	84		
8-Sep	10	15	0	0	1,806	10,091	60	598	34	110	8	59		

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Section & Stat Area	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
257-41	9-Sep	7	12	0	0	2,179	12,127	48	438	22	77	9	65
(continued)	10-Sep	9	14	0	0	2,083	11,601	63	571	21	68	14	104
	11-Sep	6	9	0	0	1,658	10,011	28	233	13	52	4	36
	12-Sep	5	7	0	0	708	4,143	20	187	0	0	0	0
	13-Sep	6	8	0	0	1,246	6,955	64	525	1	3	6	36
	14-Sep	4	4	0	0	512	3,020	20	174	0	0	6	42
	15-Sep	Confidentiality rules prohibit the release of this information											
	16-Sep	Confidentiality rules prohibit the release of this information											
Total		35	1,470	22	442	286,847	1,501,414	2,156	18,099	99,112	391,578	5,136	40,070
Avg. wt.					20.09		5.23		8.39		3.95		7.80
Grand Total		71	3,800	53	857	708,411	3,640,647	8,531	75,981	344,861	1,364,487	15,244	123,477
Avg. wt.					16.17		5.14		8.91		3.96		8.10

Appendix D5.-Purse seine daily salmon harvest, by species and section, for the Alitak Bay District, 2004

Section & Stat Area	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Cape Alitak													
257-10 & 20													
	6-Jun	9	9	110	2,003	8,378	43,199	0	0	2	14	312	3,178
	7-Jun	4	5	39	633	4,021	20,829	0	0	0	0	185	1,769
	8-Jun	9	9	62	1,044	10,071	50,359	0	0	47	95	272	2,457
	9-Jun	Confidentiality rules prohibit the release of this information											
	10-Jun	11	11	35	591	10,837	49,951	0	0	0	0	150	1,022
	11-Jun	Confidentiality rules prohibit the release of this information											
	12-Jun	6	7	39	773	12,878	64,177	0	0	4	10	95	856
	13-Jun	16	16	83	1,460	11,747	58,318	0	0	0	0	99	910
	16-Jun	14	14	42	749	9,614	44,466	0	0	22	60	285	2,227
	17-Jun	4	6	21	464	4,862	23,381	0	0	8	25	195	1,287
	18-Jun	Confidentiality rules prohibit the release of this information											
	19-Jun	13	13	33	575	15,655	73,917	0	0	15	51	610	4,410
	20-Jun	9	9	53	998	13,729	69,522	0	0	32	88	414	3,062
	21-Jun	6	8	12	258	6,099	32,311	0	0	1	3	249	1,541
	22-Jun	5	5	14	281	6,377	28,118	0	0	19	68	285	1,874
	23-Jun	9	9	49	747	11,737	50,824	0	0	97	287	761	5,356
	24-Jun	10	10	24	442	12,475	53,669	0	0	131	406	516	3,628
	25-Jun	10	10	27	475	13,186	56,827	0	0	115	305	467	3,282
	26-Jun	4	4	4	58	3,805	16,372	0	0	6	17	119	850
	27-Jun	12	12	15	209	10,062	43,899	0	0	58	205	358	2,467
	28-Jun	4	4	5	66	4,519	20,426	0	0	37	75	210	1,525
	29-Jun	12	12	10	193	15,283	70,796	2	10	203	411	578	3,994
	30-Jun	4	4	3	55	4,207	20,491	0	0	77	213	174	1,334
	1-Jul	8	8	9	234	11,377	58,304	1	8	205	684	466	3,618
	2-Jul	8	9	15	222	5,888	29,505	2	16	247	864	402	3,062
	6-Jul	4	4	3	50	1,724	8,485	5	82	156	475	128	996
	7-Jul	4	4	7	124	1,476	7,384	2	14	1,572	4,768	87	699
	8-Jul	6	8	40	863	6,664	33,345	34	243	3,310	9,926	633	4,387

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Section & Stat Area	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
257-10 & 20 (continued)	9-Jul	Confidentiality rules prohibit the release of this information											
	10-Jul	9	11	35	737	11,579	64,571	46	275	5,535	16,614	605	4,742
	11-Jul	4	6	22	473	4,956	28,133	10	70	2,539	7,662	209	1,686
	12-Jul	5	5	1	26	3,821	20,176	5	40	1,971	5,797	195	1,404
	13-Jul	4	4	1	17	4,184	21,648	4	36	2,496	7,472	267	2,051
	16-Jul	9	9	6	136	9,566	45,635	290	2,059	18,840	57,762	808	6,390
	17-Jul	5	5	7	127	4,106	19,557	10	69	11,381	34,185	371	2,978
	18-Jul	9	11	17	358	8,804	44,115	54	390	24,045	72,633	577	4,487
	19-Jul	6	6	8	220	3,924	19,745	923	2,976	7,340	22,689	248	1,988
	20-Jul	8	8	20	498	3,433	17,176	66	453	8,729	26,196	371	2,045
	21-Jul	11	11	21	488	3,511	15,934	208	1,178	12,187	36,873	572	4,552
	22-Jul	8	8	3	58	2,235	11,092	21	162	5,230	15,698	218	1,666
	23-Jul	10	11	8	205	3,549	18,551	12	85	9,872	29,985	262	1,990
	26-Jul	9	9	12	214	3,016	13,853	20	169	25,844	94,757	400	2,683
	27-Jul	9	12	11	237	8,556	43,902	71	569	67,835	231,842	756	5,755
	28-Jul	8	8	31	569	6,901	39,539	71	570	56,225	173,962	525	3,761
	29-Jul	6	8	26	657	4,915	25,921	27	221	45,901	161,502	383	3,031
	30-Jul	9	13	44	895	6,797	35,720	173	1,362	51,578	192,423	429	3,443
	31-Jul	11	12	27	748	2,495	12,639	84	705	16,183	59,980	228	1,676
	1-Aug	4	4	22	522	2,886	14,939	141	1,128	16,046	70,726	153	1,265
	5-Aug	10	10	0	0	1,629	8,878	69	567	14,776	54,285	60	504
	6-Aug	14	16	6	130	11,230	52,455	164	1,577	68,303	216,485	186	1,465
	7-Aug	11	11	16	390	7,744	35,844	71	747	57,951	184,859	123	996
	8-Aug	10	11	3	63	6,618	30,662	35	318	57,957	183,426	97	794
	9-Aug	11	12	2	45	5,607	25,647	68	698	35,458	112,807	94	722
	10-Aug	11	13	11	261	9,864	47,703	87	883	61,474	200,650	134	1,097
	11-Aug	12	13	13	237	8,604	40,754	218	2,125	60,752	203,673	135	1,017
	12-Aug	9	9	6	93	4,883	22,613	136	1,155	46,363	146,794	100	747
	15-Aug	9	9	0	0	758	3,716	46	461	9,606	28,824	33	237
	16-Aug	8	8	7	140	3,916	19,631	170	1,902	37,091	111,281	161	1,151
	17-Aug	7	7	10	191	4,930	25,261	201	1,843	46,461	146,946	205	1,630

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Section & Stat Area	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
257-10 & 20 (continued)	18-Aug	10	11	4	71	3,600	18,929	135	1,430	13,276	39,829	68	482
	26-Aug	Confidentiality rules prohibit the release of this information											
	27-Aug												
	29-Aug												
	31-Aug	4	4	2	37	3,170	17,443	636	5,424	6,062	21,223	94	711
	1-Sep	Confidentiality rules prohibit the release of this information											
	5-Sep												
	6-Sep												
Total		31	525	1,212	23,057	405,609	1,977,933	6,472	49,665	925,077	3,029,120	17,596	132,719
avg. wt.					19.02		4.88		7.67		3.27		7.54

Humpy -Deadman Section

257-50

8-Jun	Confidentiality rules prohibit the release of this information											
9-Jun												
21-Jun												
22-Jun												
23-Jun												
24-Jun												
12-Jul												
16-Jul												
17-Jul												
18-Jul												
27-Jul												
28-Jul												
29-Jul												
30-Jul												
31-Jul												
1-Aug												
2-Aug												
5-Aug												

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Section & Stat Area	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Humpy -Deadman													
257-50	13-Aug	Confidentiality rules prohibit the release of this information											
(continued)	14-Aug												
	15-Aug												
	21-Aug												
	25-Aug												
	28-Aug												
	3-Sep												
Total		12	39	27	497	24,118	114,464	514	4,119	87,929	300,445	1,944	14,482
avg. wt.					18.41		4.75		8.01		3.42		7.45
Humpy -Deadman													
257-60													
	28-Jun	Confidentiality rules prohibit the release of this information											
	8-Jul												
	9-Jul												
	10-Jul												
	17-Jul												
	18-Jul												
	19-Jul												
	20-Jul												
	28-Jul												
	24-Aug												
	25-Aug												
Total		7	14	6	108	7,585	38,925	112	986	12,565	39,417	2,733	20,663
avg. wt.					18.00		5.13		8.80		3.14		7.56
Humpy -Deadman													
257-70													
	7-Jun	Confidentiality rules prohibit the release of this information											
	21-Jun												
	22-Jun												
	28-Jun												
	6-Jul												

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Section & Stat Area	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
257-70	7-Jul	1	1	1	10	747	3,738	5	39	122	366	43	347
(continued)	8-Jul	Confidentiality rules prohibit the release of this information											
	9-Jul												
	10-Jul												
	1-Aug	8	8	0	0	272	1,480	0	0	20,792	78,201	106	904
	2-Aug	Confidentiality rules prohibit the release of this information											
	4-Aug	6	6	1	28	137	614	29	262	18,356	55,070	100	732
	8-Aug	Confidentiality rules prohibit the release of this information											
	24-Aug	Confidentiality rules prohibit the release of this information											
Total		15	28	18	255	10,816	53,575	268	2,300	49,756	171,621	831	6,633
avg. wt.					14.17		4.95		8.58		3.45		7.98
Humpy -Deadman Section													
Subtotal		18	81	51	860	42,519	206,964	894	7,405	150,250	511,483	5,508	41,778
avg. wt.					16.86		4.87		8.28		3.40		7.58
Grand Total		32	603	1,263	23,917	448,128	2,184,897	7,366	57,070	1,075,327	3,540,603	23,104	174,497
avg. wt.					18.94		4.88		7.75		3.29		7.55

Appendix D6.-Salmon harvest, by gear type and species, for the Alitak Bay District management units, 2004.

	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		Total	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Purse Seine														
Total	32	603	1,263	23,917	448,128	2,184,897	7,366	57,070	1,075,327	3,540,603	23,104	174,497	1,555,188	5,980,984
Avg.Wt.				18.94		4.88		7.75		3.29		7.55		
Set Gillnet														
Total	71	3,800	53	857	708,411	3,640,647	8,531	75,981	344,861	1,364,487	15,244	123,477	1,077,100	5,205,449
Avg.Wt.				16.17		5.14		8.91		3.96		8.10		
ADF&G Test Fish														
Total	1	25	0	0	683	3,435	0	0	11	40	8	65	702	3,540
Avg.Wt.						5.03				3.64		8.13		
Year Total	104	4,428	1,316	24,774	1,157,222	5,828,979	15,897	133,051	1,420,199	4,905,130	38,356	298,039	2,632,990	11,189,973
Avg.Wt.				18.83		5.04		8.37		3.45		7.77		

Appendix D7.-Commercial salmon harvest, by species, with percent harvest by gear type, in the Alitak Bay District, 1954-2004.

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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Appendix D7.-Page 2 of 2.

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	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%
AVERAGES:																		
1954-2003 ^b	278	20%	78%	392,026	66%	34%	11,521	47%	53%	1,281,001	20%	80%	63,965	21%	79%	1,748,792	29%	71%
1994-2003	681	11%	89%	776,261	53%	47%	18,996	42%	58%	1,601,300	16%	84%	64,967	21%	79%	2,462,203	30%	70%

^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 is complex due to the mixing of various local salmon stocks during inshore migration. Various tagging studies have been done along Kodiak Island's Westside to help discern migratory pathways and timing of the Westside salmon stocks, as well as salmon moving to the Alitak Bay District. Both set gillnet and seine gear are 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. 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.

The intent of the Westside Kodiak Management Plan (5 AAC 18.362; ADF&G 2002)) is to harvest salmon bound to local systems in traditional fisheries located in the Westside sections. The Westside Kodiak Management Plan (WKMP) is effective for the entire salmon season, and covers the Southwest Kodiak and Northwest Kodiak Districts and the Southwest Afognak Section of the Afognak District (Appendix E2). This management plan guides early and late run sockeye salmon fisheries, including the major systems of Ayakulik and Karluk, and the minor systems of Little River, Uganik, and Malina (Brennan et al. 2004.)

The WKMP states that the Westside management units will be managed in June as mixed stock sockeye salmon fisheries on sockeye salmon bound for Alitak, Ayakulik, Karluk, and local minor systems. The WKMP also guides local pink, chum, and coho salmon fisheries of the Southwest Afognak Section and the Northwest and Southwest Kodiak Districts. These fisheries take place from early July through early October (Brennan et al. 2004).

2004 Westside Kodiak Fisheries

The Karluk early-run (through July 15) sockeye salmon return once again started early and strong. The initial commercial fishing period began on June 5 which was earlier than the traditional opening date of June 9. The Karluk River early-run sockeye salmon escapement has exceeded the upper escapement goal (250,000 sockeye salmon by July 15; Nelson and Lloyd 2001) in every year since 1998 (Brennan 2004). It appears that early-run sockeye salmon escapement timing has become earlier. With an earlier opening date, it was hoped to avoid excess escapement, in order to avoid the possibility of harm to the juvenile salmon rearing conditions in Karluk Lake. ADF&G pre-season salmon production forecasts called for significant surplus (in excess of escapement needs) of early-run sockeye returning to Karluk (forecasted

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harvestable surplus of approximately 510,000 fish) and Upper Station (138,000), and smaller amounts of excess sockeye returning to Ayakulik (91,000) and Frazer (84,000; Brennan et al. 2004). The June 5 fishery served as an indicator of run strength. Sockeye salmon escapements into Karluk River quickly surpassed the early-run escapement goals (150,000 to 250,000; Nelson and Lloyd 2001). By June 11, there were 264,825 sockeye salmon counted through the Karluk River weir (Spalinger et al. 2005). Continuous fishing was permitted along North Cape and Central sections of the west side starting June 5, the Outer Karluk Section starting June 7, and the terminal Inner Karluk Section starting June 8 through July 9 (the end of the first pink salmon period). The Karluk early-run sockeye salmon escapement was 389,041 fish. Approximately 1,284,400 sockeye salmon were harvested in early-season Westside fisheries, well above the forecast (510,000; Table 9).

Karluk late-run (post July 15) sockeye salmon were much weaker than expected and no fishing was allowed in the outer Karluk Section after August 25. The late-run sockeye salmon escapement goal (400,000 to 550,000; Nelson and Lloyd 2001) was not achieved (331,186 fish escaped; Spalinger et al. 2005). Harvests from fisheries directed on Karluk late-run salmon include about 836,800 sockeye salmon, exceeding the forecast (481,000). As is typical in an even numbered year, the pink salmon run into Karluk River was strong. Despite low effort, 2,285,204 pink salmon were harvested in the Inner and Outer Karluk sections combined and a total of 1,522,675 pink salmon passed the Karluk River weir (Table 6).

Ayakulik sockeye salmon early escapements fell within interim escapement goals, but it was a weak run overall. The Halibut Bay, Inner Ayakulik and Outer Ayakulik sections had limited opportunities for directed sockeye salmon fishing in 2004. The total sockeye salmon escapement into the Ayakulik River (275,238; Table 6) met established goals (200,000 to 300,000; Nelson and Lloyd 2001). The Ayakulik sockeye salmon harvest (260,300) was above forecast (111,000).

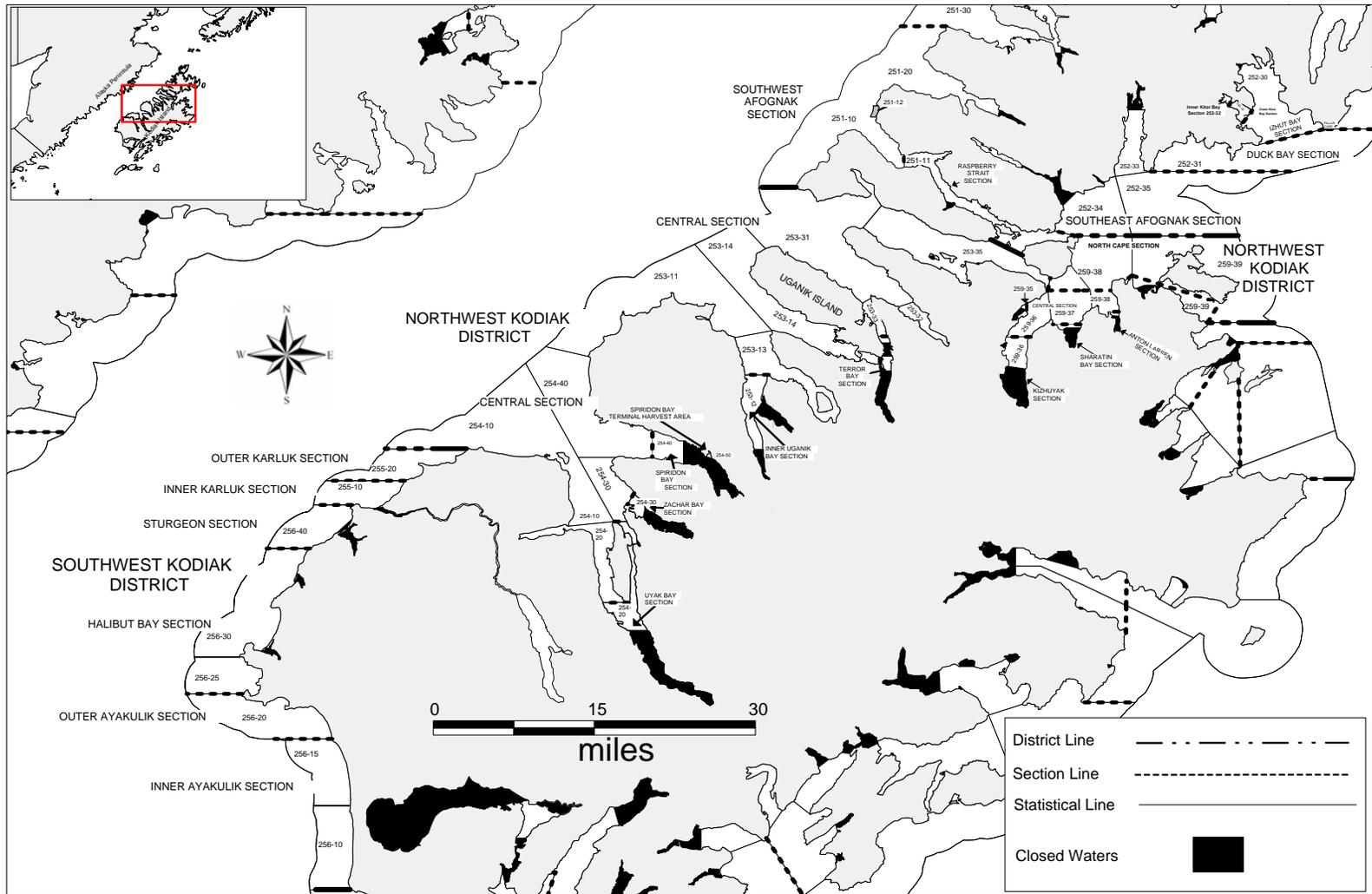
The total commercial harvest from westside Kodiak management units (Southwest Afognak to Ayakulik¹) was 18,057,794 salmon, including 23,744 Chinook, 2,413,242 sockeye, 259,500 coho, 14,756,880 pink, and 604,428 chum salmon from 8,919 landings (Appendix E3). The total Westside Kodiak salmon harvest represents 66% of the total KMA salmon harvest. Purse seine fishers made 3,404 landings for 19,447 Chinook, 1,378,691 sockeye, 185,479 coho, 12,562,500 pink, and 410,885 chum salmon (Appendix E4.). Set gillnet fishers made 5,515 landings for 4,297 Chinook, 1,034,551 sockeye, 74,021 coho, 2,194,380 pink, and 193,543 chum salmon (Appendix E4). Commercial salmon harvests, by gear type, for westside management units can be found in Appendices E5 and E6

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¹ Westside Kodiak salmon harvest totals do not include salmon taken in the Spiridon Lake Terminal 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 Lake Terminal Harvest Area fishery.

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Appendix E2.-Map of Westside Kodiak including Southwest and Northwest Kodiak Districts and the Southwest Afognak Section of the Afognak District.

Appendix E3.-Commercial salmon harvest, by species, for Westside management units in the Kodiak Management Area, 1975-2004.

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
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Average ^a								
1994-2003	301	8,206	13,541	1,958,426	130,922	7,353,320	341,604	9,797,813
1975-2004	353	7,837	8,769	1,420,965	105,960	6,229,170	299,338	8,064,201

^a Westside Kodiak Management Plan units include the Southwest Afognak Section, the Northwest Kodiak District (except the Spiridon Lake Terminal Harvest Area), and the Southwest Kodiak District.

^b Commercial salmon fisheries were severely restricted in 1989 due to the presence of oil from the M/V Exxon Valdez spill.

^c Historical averages do not include 1989.

Appendix E4.-Commercial salmon harvest, by gear type and species, for Westside management units 2004.

Gear	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		Total	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Purse Seine	132	3,404	19,447	211,206	1,378,691	7,268,801	185,479	1,395,889	12,562,500	45,269,508	410,885	3,182,625	14,557,002	57,328,029
Avg.Wt.				10.86		5.27		7.53		3.60		7.75		
Set Gillnet	93	5,515	4,297	46,874	1,034,551	5,706,329	74,021	579,417	2,194,380	8,538,463	193,543	1,475,502	3,500,792	16,346,585
Avg.Wt.				10.91		5.52		7.83		3.89		7.62		
Grand Total	225	8,919	23,744	258,080	2,413,242	12,975,130	259,500	1,975,306	14,756,880	53,807,971	604,428	4,658,127	18,057,794	73,674,614
Avg.Wt.				10.87		5.38		7.61		3.65		7.71		

^a Westside Kodiak Management Plan units include the Southwest Afognak Section, the Northwest Kodiak District, except for the Spiridon Lake Terminal Harvest Area, and the Southwest Kodiak District.

Appendix E5.-Purse seine daily salmon harvest, by species, for the Westside Management Plan units, 2004.

Management Unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Southwest Afognak Section													
	6-Jun	Confidentiality rules prohibit the release of this information.											
	7-Jun	5	5	61	746	4,568	22,030	0	0	0	0	188	1,477
	8-Jun	13	15	421	3,232	14,243	68,424	0	0	6	25	1,105	8,661
	9-Jun	6	7	57	523	3,950	19,601	0	0	0	0	358	2,411
	10-Jun	4	4	6	89	2,486	11,525	0	0	0	0	211	1,504
	12-Jun	Confidentiality rules prohibit the release of this information.											
	13-Jun	Confidentiality rules prohibit the release of this information.											
	14-Jun	5	5	7	72	1,455	7,679	0	0	0	0	123	1,111
	16-Jun	Confidentiality rules prohibit the release of this information.											
	17-Jun	Confidentiality rules prohibit the release of this information.											
	18-Jun	6	6	108	1,231	1,208	5,832	0	0	41	138	2,696	20,793
	19-Jun	4	4	270	1,579	2,201	9,588	0	0	34	115	2,203	18,079
	20-Jun	4	4	414	2,308	2,879	12,426	0	0	61	210	491	3,511
	21-Jun	7	7	885	7,767	4,264	20,390	0	0	154	533	674	5,347
	22-Jun	5	5	404	4,316	5,793	29,590	0	0	351	1,191	1,080	7,751
	23-Jun	8	8	697	5,278	10,829	50,907	0	0	1,275	4,260	2,435	19,132
	24-Jun	4	4	222	1,622	1,910	10,022	0	0	255	883	2,878	25,337
	25-Jun	Confidentiality rules prohibit the release of this information.											
	26-Jun	Confidentiality rules prohibit the release of this information.											
	27-Jun	Confidentiality rules prohibit the release of this information.											
	28-Jun	Confidentiality rules prohibit the release of this information.											
	30-Jun	Confidentiality rules prohibit the release of this information.											
	1-Jul	Confidentiality rules prohibit the release of this information.											
	2-Jul	4	4	638	5,213	1,685	8,956	13	97	725	3,016	486	4,108
	5-Jul	Confidentiality rules prohibit the release of this information.											
	6-Jul	5	6	737	6,244	4,228	21,695	163	1,174	5,856	20,459	4,394	36,493
	7-Jul	6	6	606	4,189	3,735	19,022	245	1,808	5,045	19,037	2,128	19,734
	8-Jul	Confidentiality rules prohibit the release of this information.											
	9-Jul	Confidentiality rules prohibit the release of this information.											

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Management Unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Southwest Afognak Section (continued)	10-Jul	4	6	257	2,073	2,236	12,335	834	5,340	3,140	9,778	612	5,037
	11-Jul	Confidentiality rules prohibit the release of this information.											
	13-Jul	6	7	115	925	1,862	11,756	624	4,879	7,917	25,228	474	4,167
	14-Jul	4	4	43	408	1,809	10,040	714	5,448	5,973	20,113	236	1,946
	16-Jul	Confidentiality rules prohibit the release of this information.											
	19-Jul	Confidentiality rules prohibit the release of this information.											
	20-Jul	Confidentiality rules prohibit the release of this information.											
	21-Jul	7	7	147	1,674	1,071	5,920	595	5,220	23,613	85,807	1,055	7,288
	22-Jul	7	7	35	521	1,397	7,432	908	7,433	38,919	140,898	2,952	20,460
	23-Jul	8	8	114	1,460	939	5,333	772	6,838	50,080	180,016	2,048	14,999
	24-Jul	8	8	223	2,779	701	3,972	958	8,516	28,916	104,452	1,581	11,345
	25-Jul	Confidentiality rules prohibit the release of this information.											
	26-Jul	6	6	145	1,379	663	3,691	547	4,028	26,621	96,285	659	4,806
	27-Jul	7	7	46	510	1,159	6,393	552	4,666	31,360	136,662	1,320	9,460
	28-Jul	10	10	87	1,153	2,178	9,728	1,543	11,735	48,445	148,038	981	7,654
	29-Jul	8	10	172	1,952	2,684	16,150	1,594	12,768	49,922	203,731	1,195	10,750
	30-Jul	5	5	127	1,726	1,576	7,845	915	7,666	30,438	100,347	1,317	10,841
	31-Jul	4	4	38	486	1,240	6,461	468	4,021	21,724	86,289	702	5,498
	1-Aug	5	5	131	1,037	583	3,353	541	4,575	16,467	66,395	313	2,426
	2-Aug	6	9	27	320	1,756	10,001	601	4,827	61,934	254,945	592	4,877
	3-Aug	10	10	17	252	1,782	10,673	794	6,613	84,054	327,172	830	6,943
	4-Aug	7	9	5	54	2,282	13,998	533	4,271	73,945	296,578	660	5,473
	5-Aug	13	13	15	295	1,739	10,105	866	7,250	72,726	278,987	752	6,263
	6-Aug	11	12	3	90	1,035	6,246	611	5,546	63,730	269,641	629	4,879
	7-Aug	13	14	39	506	1,670	10,577	851	7,468	91,693	327,449	434	4,028
	8-Aug	12	13	21	347	1,434	8,508	1,820	13,566	82,245	315,376	707	5,791
	9-Aug	8	8	5	97	1,233	6,342	951	6,928	69,839	233,395	505	3,773
	10-Aug	7	7	4	54	1,011	5,701	909	6,479	63,460	242,336	547	3,944
	11-Aug	6	6	5	117	1,140	6,010	461	3,190	38,185	139,294	331	2,427
	12-Aug	10	10	5	102	1,406	7,153	711	4,776	44,351	163,907	308	2,281
	13-Aug	6	6	5	97	2,153	11,158	789	5,090	44,390	173,450	316	2,249

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Management Unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Southwest Afognak													
(continued)	14-Aug	6	6	0	0	644	3,829	655	5,146	30,135	114,504	123	1,046
	15-Aug	9	9	3	56	2,208	10,666	841	7,603	70,680	223,497	203	1,596
	16-Aug	5	7	2	23	1,083	5,625	632	6,028	54,456	181,655	127	1,122
	17-Aug	4	4	7	119	806	3,908	721	7,151	27,014	83,713	97	907
	18-Aug	5	6	1	14	1,859	8,320	752	6,603	55,138	176,238	127	1,110
	19-Aug	5	5	0	0	1,348	6,561	647	5,442	41,076	125,036	77	735
	20-Aug	5	6	1	21	1,730	8,962	548	5,423	58,137	180,921	103	892
	21-Aug	10	10	3	57	2,453	13,027	748	6,267	58,618	216,722	170	1,378
	22-Aug	6	6	2	24	2,886	14,869	1,004	8,709	60,131	206,311	110	806
	23-Aug	Confidentiality rules prohibit the release of this information.											
	24-Aug	7	7	1	17	2,548	13,882	1,282	9,991	48,646	198,462	103	779
	25-Aug	4	4	0	0	1,630	7,510	589	4,030	8,667	26,334	18	148
	26-Aug	Confidentiality rules prohibit the release of this information.											
	31-Aug	Confidentiality rules prohibit the release of this information.											
Total		65	423	10,749	91,951	147,357	758,024	33,423	269,623	1,771,696	6,491,432	59,624	478,276
Avg. Wt.					8.55		5.14		8.07		3.66		8.02
Northwest Kodiak District													
	5-Jun	20	20	96	959	10,007	46,289	0	0	5	10	479	2,937
	6-Jun	15	16	161	902	8,058	35,782	0	0	12	48	718	5,232
	7-Jun	14	14	42	609	7,398	39,324	0	0	7	22	586	4,435
	8-Jun	4	4	17	288	2,405	11,703	0	0	3	9	134	1,047
	9-Jun	7	7	32	414	4,691	23,119	0	0	0	0	474	3,645
	10-Jun	11	12	9	158	4,726	23,980	0	0	21	42	324	2,684
	11-Jun	8	8	12	161	2,720	12,832	0	0	25	70	217	1,649
	12-Jun	8	8	26	405	4,365	20,358	0	0	135	405	370	2,716
	13-Jun	11	11	4	63	3,898	21,111	0	0	98	281	369	2,739
	14-Jun	16	16	99	1,119	6,032	31,697	0	0	80	240	533	3,560
	15-Jun	16	17	65	819	3,009	15,875	0	0	17	60	334	2,443
	16-Jun	18	18	115	989	11,911	60,765	0	0	265	869	692	5,083
	17-Jun	16	16	74	652	5,341	27,881	0	0	150	465	640	5,391

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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													
(continued)	18-Jun	15	15	91	948	4,802	26,856	0	0	12	34	251	1,823
	19-Jun	17	17	83	796	5,783	32,096	0	0	185	480	336	2,621
	20-Jun	13	13	124	1,368	6,161	33,642	0	0	13	40	580	4,736
	21-Jun	21	21	151	1,759	9,688	52,677	0	0	7	21	585	4,789
	22-Jun	9	10	146	1,226	7,049	37,419	0	0	35	92	717	6,025
	23-Jun	21	21	51	467	11,853	63,803	0	0	210	817	1,006	8,179
	24-Jun	16	17	274	2,852	8,287	45,588	4	27	591	2,025	1,512	12,228
	25-Jun	14	14	207	2,035	7,168	39,962	0	0	409	1,296	2,123	19,360
	26-Jun	15	17	126	1,250	5,088	26,480	5	38	809	2,402	5,929	52,989
	27-Jun	11	11	33	471	1,826	9,795	0	0	68	273	121	1,107
	28-Jun	18	18	33	346	3,844	20,878	0	0	283	911	315	3,228
	29-Jun	9	9	12	156	1,353	6,827	71	338	275	839	531	3,558
	30-Jun	5	5	26	333	1,824	9,638	580	4,646	1,509	4,788	1,196	9,012
	2-Jul	4	5	1	4	481	2,753	0	0	80	308	124	943
	3-Jul	4	4	28	314	577	4,445	0	0	606	2,167	445	3,214
	4-Jul	Confidentiality rules prohibit the release of this information.											
	5-Jul	11	11	91	1,518	2,160	12,189	71	520	25,025	78,821	3,860	30,526
	6-Jul	12	12	96	1,656	4,089	20,444	105	769	5,285	17,082	4,534	39,190
	7-Jul	15	15	118	1,379	6,866	35,784	69	543	10,051	35,392	5,646	47,852
	8-Jul	29	29	508	4,759	47,857	253,490	758	5,766	56,796	177,963	16,504	134,282
	9-Jul	35	36	178	1,952	34,810	190,834	1,129	7,654	34,884	114,652	11,416	97,455
	10-Jul	55	56	119	1,362	31,887	184,140	628	4,604	39,267	129,765	10,251	82,943
	11-Jul	Confidentiality rules prohibit the release of this information.											
	12-Jul	23	25	56	783	9,379	54,359	690	4,429	19,449	69,458	3,503	27,708
	13-Jul	30	30	52	821	15,682	85,515	1,350	8,892	25,895	79,595	2,739	20,792
	14-Jul	19	19	34	331	6,402	38,485	1,721	12,443	23,963	89,355	2,751	22,008
	15-Jul	23	25	30	403	8,097	44,904	968	7,486	29,087	106,791	5,146	41,740
	16-Jul	23	26	27	482	3,595	20,423	534	4,338	22,970	91,707	2,730	21,423
	17-Jul	Confidentiality rules prohibit the release of this information.											
	18-Jul	Confidentiality rules prohibit the release of this information.											
	19-Jul	22	22	105	1,612	6,387	30,700	1,494	11,593	63,481	232,916	4,776	39,568

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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 (continued)	20-Jul	23	23	57	882	4,811	26,993	1,170	8,978	62,612	235,305	8,252	68,375
	21-Jul	26	26	49	799	5,488	29,321	1,148	7,737	117,449	434,914	9,832	76,785
	22-Jul	31	31	115	1,613	5,092	27,502	2,609	17,033	117,988	468,478	10,006	76,621
	23-Jul	30	34	114	1,832	4,848	26,261	2,352	17,646	149,320	503,147	10,221	80,707
	24-Jul	23	27	100	1,937	4,717	25,025	3,157	21,744	129,583	496,653	6,289	48,902
	25-Jul	22	24	70	1,090	4,502	25,866	1,775	13,503	152,239	564,134	8,371	66,119
	26-Jul	29	31	89	1,440	3,606	19,879	1,517	11,066	154,583	537,892	8,458	62,952
	27-Jul	33	36	209	3,659	7,362	38,422	2,959	20,813	210,791	788,026	10,929	86,677
	28-Jul	34	39	81	1,320	13,696	76,587	2,414	18,757	236,667	815,069	12,329	98,596
	29-Jul	35	40	55	1,181	13,145	70,498	1,831	13,447	221,529	813,764	7,516	58,230
	30-Jul	42	50	138	1,960	10,991	61,495	9,343	42,641	239,277	930,712	9,143	71,442
	31-Jul	39	41	89	1,221	4,989	27,343	1,833	13,644	189,056	722,534	4,439	35,108
	1-Aug	34	34	77	1,375	1,664	8,779	1,706	13,468	119,514	426,081	3,820	29,694
	2-Aug	35	35	98	2,017	4,083	21,708	2,355	18,309	246,079	877,274	6,417	50,756
	3-Aug	32	34	86	1,776	4,328	24,450	2,471	18,569	218,597	855,739	5,432	40,458
	4-Aug	37	47	76	1,527	7,662	39,657	1,639	13,643	267,931	992,354	6,700	53,899
	5-Aug	44	48	40	736	5,139	28,361	2,114	15,338	259,740	976,013	3,906	30,105
	6-Aug	36	36	45	723	3,474	15,606	1,723	14,008	199,880	712,865	4,323	33,951
	7-Aug	44	54	93	1,728	4,483	23,727	3,810	30,706	310,706	1,130,487	6,066	45,252
	8-Aug	45	49	65	1,097	4,534	23,854	3,476	26,805	287,731	1,042,027	3,921	29,664
	9-Aug	23	23	21	409	1,591	8,576	740	5,705	91,203	368,655	4,503	37,053
	10-Aug	36	43	66	913	5,382	28,122	3,262	25,844	255,200	931,207	5,451	42,934
	11-Aug	36	37	34	608	4,082	21,388	2,689	21,941	187,575	673,485	2,483	20,604
	12-Aug	23	26	19	349	2,357	12,688	1,231	9,881	107,512	385,528	3,331	26,004
	13-Aug	17	17	9	115	1,895	10,373	1,870	15,495	70,132	278,773	3,119	24,927
	14-Aug	14	17	3	83	1,052	5,192	527	4,027	69,016	222,839	881	7,779
	15-Aug	12	14	8	180	1,889	9,173	453	3,488	116,309	394,629	4,134	33,138
	16-Aug	17	23	12	171	3,689	19,501	1,078	8,943	174,325	622,228	4,040	33,004
	17-Aug	17	25	10	140	3,900	21,018	1,013	7,681	200,134	725,024	990	7,219
	18-Aug	23	28	5	104	3,865	21,810	1,460	11,518	237,073	764,438	591	4,398
	19-Aug	17	17	18	333	2,330	12,981	1,962	14,848	86,310	319,660	632	4,948

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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													
(continued)	20-Aug	23	25	22	462	3,855	21,064	2,035	15,761	170,397	530,976	730	5,917
	21-Aug	12	12	4	70	2,597	13,436	1,177	9,526	63,672	247,715	839	7,577
	22-Aug	6	6	0	0	376	2,164	343	2,787	61,933	160,365	437	3,393
	23-Aug	5	6	8	105	288	1,619	488	3,592	25,975	96,271	723	5,632
	24-Aug	11	11	12	235	5,568	30,896	2,134	16,871	72,100	211,074	421	3,225
	25-Aug	15	15	10	195	5,644	31,198	1,740	15,405	43,549	150,087	164	1,269
	30-Aug	15	15	5	85	2,381	12,551	1,082	9,476	28,544	99,212	456	3,507
	31-Aug	15	17	24	341	5,068	28,009	2,232	18,280	76,758	273,368	207	1,668
	1-Sep	11	11	28	399	4,882	26,428	2,530	21,386	64,108	208,663	241	1,936
	2-Sep	Confidentiality rules prohibit the release of this information.											
	3-Sep	Confidentiality rules prohibit the release of this information.											
Total		118	1,813	5,651	74,537	514,536	2,766,611	92,705	682,837	6,487,521	23,366,225	281,391	2,249,589
Avg. Wt.					13.19		5.38		7.37		3.60		7.99
Outer Karluk Section													
	7-Jun	10	10	56	897	9,531	54,839	0	0	0	0	348	2,478
	8-Jun	10	10	69	1,106	7,521	38,052	0	0	0	0	463	3,218
	9-Jun	8	8	47	748	4,514	23,064	0	0	0	0	148	1,184
	10-Jun	7	7	154	2,503	10,323	52,974	0	0	0	0	615	5,249
	11-Jun	Confidentiality rules prohibit the release of this information.											
	12-Jun	4	4	14	217	1,118	4,737	0	0	2	5	17	170
	13-Jun	12	12	22	412	4,680	21,100	0	0	1	4	123	972
	14-Jun	8	8	20	317	3,189	14,824	0	0	0	0	81	649
	15-Jun	7	7	15	279	4,882	22,268	0	0	0	0	206	1,631
	16-Jun	Confidentiality rules prohibit the release of this information.											
	17-Jun	8	8	17	281	4,556	22,841	0	0	0	0	170	1,161
	18-Jun	Confidentiality rules prohibit the release of this information.											
	19-Jun	Confidentiality rules prohibit the release of this information.											
	20-Jun	7	7	143	2,275	9,284	49,367	0	0	35	97	415	3,853
	21-Jun	Confidentiality rules prohibit the release of this information.											
	22-Jun	Confidentiality rules prohibit the release of this information.											

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Management Unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Outer Karluk Section (continued)	23-Jun	4	4	23	401	7,599	36,191	2	14	30	84	346	2,798
	24-Jun	Confidentiality rules prohibit the release of this information.											
	25-Jun												
	26-Jun												
	27-Jun												
	28-Jun												
	29-Jun												
	12-Jul												
	15-Jul	Confidentiality rules prohibit the release of this information.											
	16-Jul												
	19-Jul	4	4	11	185	3,080	18,412	98	755	29,890	81,531	331	2,731
	20-Jul	Confidentiality rules prohibit the release of this information.											
	21-Jul	4	5	0	0	720	4,109	4	34	16,685	50,202	79	597
	22-Jul	Confidentiality rules prohibit the release of this information.											
	23-Jul	6	6	7	144	1,265	7,393	528	3,903	23,998	94,511	218	1,670
	24-Jul	6	6	7	131	1,622	8,249	731	5,238	25,355	106,612	105	888
	25-Jul	4	4	9	174	833	5,062	313	2,626	16,023	66,537	184	1,447
	26-Jul	Confidentiality rules prohibit the release of this information.											
	27-Jul	4	8	0	0	2,088	13,242	140	1,089	46,767	201,824	139	1,206
	28-Jul	12	12	35	762	7,678	39,661	604	5,067	94,107	347,476	718	5,839
	29-Jul	18	24	21	422	13,711	72,633	565	4,347	177,517	657,736	10,963	48,404
	30-Jul	12	14	17	258	5,391	29,398	361	2,801	92,528	275,531	339	2,665
	31-Jul	14	16	13	272	5,595	30,649	518	3,913	101,314	359,875	531	4,337
	1-Aug	7	7	6	100	1,288	7,242	387	3,298	31,837	118,222	82	585
	2-Aug	4	4	17	212	1,983	10,556	470	3,495	46,954	165,845	15	126
	3-Aug	14	15	13	232	4,227	22,275	1,693	13,451	107,859	401,880	146	1,120
	4-Aug	10	11	5	152	3,520	19,632	660	5,342	79,292	258,379	153	1,189
	5-Aug	6	6	0	0	2,524	12,555	358	2,885	32,257	118,715	2,194	8,668
	6-Aug	8	9	55	964	2,205	10,445	1,480	13,329	71,552	228,598	360	3,056
	7-Aug	6	8	1	30	1,927	9,176	461	3,629	48,686	188,653	183	1,312
	8-Aug	12	18	12	164	7,084	36,015	982	7,832	131,092	465,735	495	3,991

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Management				Chinook		Sockeye		Coho		Pink		Chum	
Unit	Date	Permits	Landings	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Outer Karluk Section													
(continued)	9-Aug	7	8	27	391	2,462	14,870	500	3,661	65,494	260,126	361	3,031
	10-Aug	9	9	7	148	2,811	15,027	9,695	39,763	72,360	230,949	249	1,955
	11-Aug	16	16	16	306	5,426	27,301	847	6,839	116,254	396,967	401	3,491
	12-Aug	18	19	2	37	3,540	18,964	468	3,761	159,129	579,814	334	2,615
	13-Aug	17	18	1	11	4,459	24,016	518	4,350	127,300	466,930	337	2,589
	14-Aug	14	16	3	42	5,677	30,687	446	3,655	131,705	481,637	220	1,836
	15-Aug	9	10	1	22	3,652	20,419	294	2,501	57,661	218,877	139	1,081
	16-Aug	12	13	1	14	5,081	27,635	417	3,518	69,127	244,503	167	1,432
	17-Aug	11	12	0	0	3,459	19,037	658	5,592	85,204	330,085	150	1,169
	18-Aug	7	7	1	13	1,206	5,810	308	2,520	14,981	58,989	47	369
	20-Aug	4	4	2	36	2,068	11,481	793	6,451	17,303	68,366	55	433
	21-Aug	Confidentiality rules prohibit the release of this information.											
	22-Aug	7	7	0	0	4,240	23,420	866	7,470	32,162	126,680	28	221
	23-Aug	7	7	1	18	3,395	19,207	374	3,210	16,971	60,621	31	272
	24-Aug	13	13	10	144	7,167	38,863	1,790	15,538	45,577	147,492	110	864
	25-Aug	Confidentiality rules prohibit the release of this information.											
Total		62	468	1,041	17,250	216,179	1,133,050	29,572	201,946	2,285,169	8,244,265	24,066	144,824
Avg. Wt.					16.57		5.24		6.83		3.61		6.02
Inner Karluk Section													
	7-Jun	Confidentiality rules prohibit the release of this information.											
	8-Jun	11	11	211	3,548	15,186	68,709	0	0	0	0	1,088	7,368
	9-Jun	10	10	83	826	11,397	51,179	0	0	0	0	632	5,715
	10-Jun	6	6	41	581	4,121	19,324	0	0	0	0	299	2,362
	11-Jun	Confidentiality rules prohibit the release of this information.											
	12-Jun	11	11	52	749	4,128	20,074	0	0	9	26	474	3,483
	13-Jun	13	13	121	1,985	5,424	29,019	0	0	0	0	246	1,686
	14-Jun	8	9	472	4,023	3,343	18,586	0	0	0	0	146	1,044
	15-Jun	Confidentiality rules prohibit the release of this information.											
	16-Jun	Confidentiality rules prohibit the release of this information.											
	17-Jun	Confidentiality rules prohibit the release of this information.											

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Management Unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Inner Karluk Section													
(continued)	18-Jun	Confidentiality rules prohibit the release of this information.											
	19-Jun	Confidentiality rules prohibit the release of this information.											
	20-Jun	Confidentiality rules prohibit the release of this information.											
	21-Jun	Confidentiality rules prohibit the release of this information.											
	22-Jun	Confidentiality rules prohibit the release of this information.											
	23-Jun	Confidentiality rules prohibit the release of this information.											
	24-Jun	Confidentiality rules prohibit the release of this information.											
	25-Jun	5	6	53	845	2,292	10,726	0	0	0	0	173	1,362
	26-Jun	Confidentiality rules prohibit the release of this information.											
	27-Jun	Confidentiality rules prohibit the release of this information.											
Total		32	90	1,517	19,911	60,916	293,283	0	0	35	92	3,368	25,303
Avg. Wt.					13.13		4.81		#DIV/0!		2.63		7.51
Halibut Bay Section													
	22-Jun	Confidentiality rules prohibit the release of this information.											
	23-Jun	9	10	32	375	10,851	53,580	0	0	248	530	328	2,776
	24-Jun	11	12	8	106	12,383	58,726	0	0	298	665	344	2,653
	25-Jun	4	4	4	74	4,524	22,186	0	0	590	1,108	182	1,358
	26-Jun	10	11	21	320	7,145	35,364	0	0	175	489	296	2,228
	27-Jun	22	30	43	610	17,118	85,248	0	0	1,424	3,519	1,363	9,434
	28-Jun	Confidentiality rules prohibit the release of this information.											
	29-Jun	Confidentiality rules prohibit the release of this information.											
	30-Jun	10	10	16	198	8,077	47,701	0	0	1,290	2,778	1,251	8,801
	4-Jul	Confidentiality rules prohibit the release of this information.											
	5-Jul	Confidentiality rules prohibit the release of this information.											
	7-Jul	Confidentiality rules prohibit the release of this information.											
	8-Jul	Confidentiality rules prohibit the release of this information.											
	9-Jul	Confidentiality rules prohibit the release of this information.											
	10-Jul	Confidentiality rules prohibit the release of this information.											
	11-Jul	Confidentiality rules prohibit the release of this information.											

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Management Unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Halibut Bay Section													
(continued)	12-Jul	7	7	10	204	20,016	94,490	103	689	7,460	23,909	361	2,845
	13-Jul	5	5	6	137	9,010	43,908	49	226	3,621	11,771	203	1,534
	14-Jul	11	11	16	235	10,532	55,750	4	27	12,976	42,181	1,111	7,943
	15-Jul	7	7	5	93	6,540	32,823	110	784	7,975	23,975	610	4,400
	16-Jul	11	11	7	149	13,153	60,778	74	540	14,898	47,660	979	7,350
	19-Jul	Confidentiality rules prohibit the release of this information.											
	20-Jul	Confidentiality rules prohibit the release of this information.											
	21-Jul	Confidentiality rules prohibit the release of this information.											
	10-Aug	5	10	5	130	5,137	28,581	782	5,878	51,722	197,069	122	901
	11-Aug	Confidentiality rules prohibit the release of this information.											
	12-Aug	6	7	2	56	2,644	15,934	459	3,397	25,038	102,364	31	285
	13-Aug	9	11	2	35	8,853	45,854	1,114	9,091	77,373	276,854	82	626
	14-Aug	14	20	1	16	14,877	88,190	1,174	8,970	172,203	577,585	145	1,070
	15-Aug	9	14	6	121	9,106	55,645	1,263	11,212	72,193	307,027	6,099	27,970
	16-Aug	13	16	4	81	8,251	51,883	1,417	11,063	88,484	352,209	7,200	31,187
	17-Aug	10	10	1	14	7,008	36,583	743	6,455	47,731	170,822	50	409
	18-Aug	11	11	2	27	5,432	31,260	798	7,185	32,550	123,383	36	280
	19-Aug	8	8	0	0	2,817	15,714	694	5,180	23,923	91,691	16	138
	20-Aug	9	10	1	15	4,526	25,333	1,141	10,054	40,305	137,590	58	464
	21-Aug	10	10	0	0	3,013	15,075	610	5,375	28,559	92,738	30	243
	22-Aug	7	7	5	94	3,702	16,526	451	3,562	23,556	74,253	30	222
	23-Aug	Confidentiality rules prohibit the release of this information.											
	24-Aug	Confidentiality rules prohibit the release of this information.											
	25-Aug	4	4	1	21	2,927	16,099	357	2,865	14,331	50,162	23	179
Total		45	286	279	4,632	227,084	1,185,325	12,436	101,972	793,243	2,860,066	23,011	130,442
Avg. Wt.					16.60		5.22		8.20		3.61		5.67
Outer Ayakulik Section													
	30-Jun	6	6	4	71	1,291	6,675	0	0	93	310	214	1,557
	1-Jul	10	11	39	406	7,857	41,148	8	66	1,310	4,725	1,607	12,370
	2-Jul	29	31	43	511	33,194	180,600	5	40	6,716	20,802	5,304	46,141

-continued-

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Management Unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Outer Ayakulik Section (continued)	3-Jul	17	17	16	175	16,949	94,401	75	586	4,790	14,527	2,478	20,624
	4-Jul	30	31	27	315	26,240	143,140	62	452	7,106	21,694	3,321	26,299
	5-Jul	29	29	3	36	11,850	61,091	19	161	4,799	13,414	1,751	12,694
	6-Jul	4	4	0	0	1,278	6,292	0	0	415	1,147	201	1,377
	7-Jul	15	15	22	299	9,513	47,952	0	0	5,098	13,234	2,007	14,288
	8-Jul	9	9	4	69	12,661	61,236	0	0	4,107	10,339	445	3,276
	9-Jul	6	7	0	0	6,913	36,065	8	62	2,514	7,940	535	3,606
	10-Jul	4	4	0	0	3,170	14,390	0	0	626	1,914	101	794
	10-Aug	5	5	0	0	476	2,505	58	508	39,071	156,025	18	133
	16-Aug	4	4	2	18	620	3,194	251	1,637	21,717	74,913	6	39
	17-Aug	Confidentiality rules prohibit the release of this information.											
	20-Aug	6	6	0	0	420	2,584	120	806	6,603	27,173	2	18
	21-Aug	Confidentiality rules prohibit the release of this information.											
	27-Aug	5	6	0	0	9,877	51,936	556	4,750	51,052	169,662	67	534
	28-Aug	4	4	0	0	5,842	30,115	272	2,255	31,824	104,897	42	346
	29-Aug	5	5	0	0	2,647	15,297	202	1,950	21,855	73,812	34	265
	30-Aug	Confidentiality rules prohibit the release of this information.											
	31-Aug	4	4	0	0	6,379	33,035	1,251	9,554	12,249	41,907	33	259
	1-Sep	Confidentiality rules prohibit the release of this information.											
	2-Sep												
	3-Sep												
	5-Sep												
	8-Sep												
	9-Sep	Confidentiality rules prohibit the release of this information.											
	10-Sep												
Total		61	213	160	1,900	174,684	927,381	8,558	65,168	257,507	882,882	18,279	145,435
Avg. Wt.					11.88		5.31		7.61		3.43		7.96

-continued-

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Management				Chinook		Sockeye		Coho		Pink		Chum	
Unit	Date	Permits	Landings	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Inner Ayakulik Section	12-Aug												
	17-Aug												
	5-Sep												
	8-Sep												
	18-Sep												
Total		5	9	0	0	2,615	12,485	3,971	35,495	45,951	145,958	26	166
Avg. Wt.							4.77		8.94		3.18		6.38

Confidentiality rules prohibit the release of this information.

Note: The Westside Kodiak Management Plan commercial harvest includes the Southwest Afognak Section, the Northwest Kodiak District (except for the Spiridon Lake Terminal Harvest Area), and the Southwest Kodiak District.

APPENDIX F: NORTH SHELIKOF FISHERY SUMMARY

Appendix F1.-Narrative account of the North Shelikof sockeye salmon fishery in the Kodiak Management Area, 2004.

INTRODUCTION

In 1988 there was a significant harvest of large (greater than 6 pound average weight) 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 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; 5 AAC 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. If the sockeye salmon harvest within either of these units reaches an established cap, then commercial fishing opportunities within that unit are restricted (Brennan et al. 2005).

By regulation, "seaward zones" are established in each management unit; these zones are comprised of all waters seaward of a baseline 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 baseline) will remain open to commercial fishing during normal fishing periods.

In the fourteen years NSSSSMP has been in effect, the North Shelikof Units have had seaward zone closures every year except 1991 and 2000 (Appendix F3). The Southwest Afognak Unit seaward zone closures have occurred three times in 1992, 1993, and 2003 (Appendix F4).

In 2004 during the July 6 to 25 period of the NSSSSMP, three fishing periods were scheduled preseason. The Southwest Afognak Section and the eastern portion of the North Shelikof management unit (the Northwest Afognak and Shuyak Islands Sections) were scheduled for a 105-hour weekly fishing period starting at NOON on July 6. For the western portion of the North Shelikof management unit (in the Mainland District from Big River to Dakavak), weekly fishing periods were scheduled to be 57 hours long starting at NOON on July 6 (Brennan et al. 2004).

First Fishing Period (July 6 to 10)

The first period was slow, due in part to a lower amount of effort than in the recent past. Only 12 permit holders made landings in the North Shelikof Management units. By the end of the period on July 10, there was a total harvest of 22,897 salmon of which approximately 31% (7,134) of the harvest were sockeye salmon with an average weight of nearly 5.7 pounds (Appendix F5).

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.

Effort was only slightly higher in the Southwest Afognak Section with 15 permit holders harvesting 2,152 Chinook, 14,045 sockeye, 1,984 coho, 21,467 pink, and 9,350 chum salmon in the first period. The average weight for the sockeye salmon in the Southwest Afognak Section was 5.3 pounds (Appendix F6).

Second Fishing Period (July 12 to 16)

Despite the continued low effort, it was evident early in the second period that the 15,000 sockeye salmon harvest cap of the North Shelikof would be exceeded sometime on July 13, and the seaward zones were closed at 5:00 pm. After the closure of the North Shelikof unit Seaward Zones, approximately 11 vessels fished in the north Mainland District, fishing within the Shoreward Zone. The salmon harvest for the North Shelikof Unit, for the second period, was 174 Chinook, 27,462 sockeye, 1,072 coho, 18,622 pink and 6,228 chum salmon (Appendix F5).

During the second period, fishing effort in the Southwest Afognak unit was even less than the first period. However the harvest of sockeye salmon increased both in number (4,117 fish) and percentage (17%) of the total salmon harvested (Appendix F6.). During the second period, 199 Chinook, 4,117 sockeye, 1,595 coho, 18,085 pink and 842 chum salmon were harvested in the Southwest Afognak management unit (Appendix F6).

Third Fishing Period (July 19 to 23)

At the opening of the third fishing period, (July 19) approximately 15 vessels fished the shoreward zones of the North Shelikof units, with most of the effort occurring in the sections of the Mainland District. There was little or no effort on the Afognak side of the North Shelikof unit (in the Northwest Afognak and Shuyak Island Sections). 18,738 sockeye salmon were harvested in the shoreward zone of the North Shelikof unit during the third opening. Also harvested were 94 Chinook, 2,435 coho, 14,520 pink, and 4,997 chum salmon (Appendix F5).

Seventeen vessels fished the Southwest Afognak unit. Harvest rates increased, and relatively more sockeye salmon were included in the catches this period. Commercial fishing closed, as scheduled, on July 25. The salmon harvest in the Southwest Afognak unit for the third fishing period was 697 Chinook, 6,353 sockeye, 4,339 coho, 187,510 pink, and 9,123 chum salmon (Appendix F6).

As this period progressed, the consistently large harvest of pink salmon stayed consistent, indicated run strength sufficient to justify an extension in the Shoreward Zones of the North Shelikof management units and in the entire Southwest Afognak unit.

2004 Summary

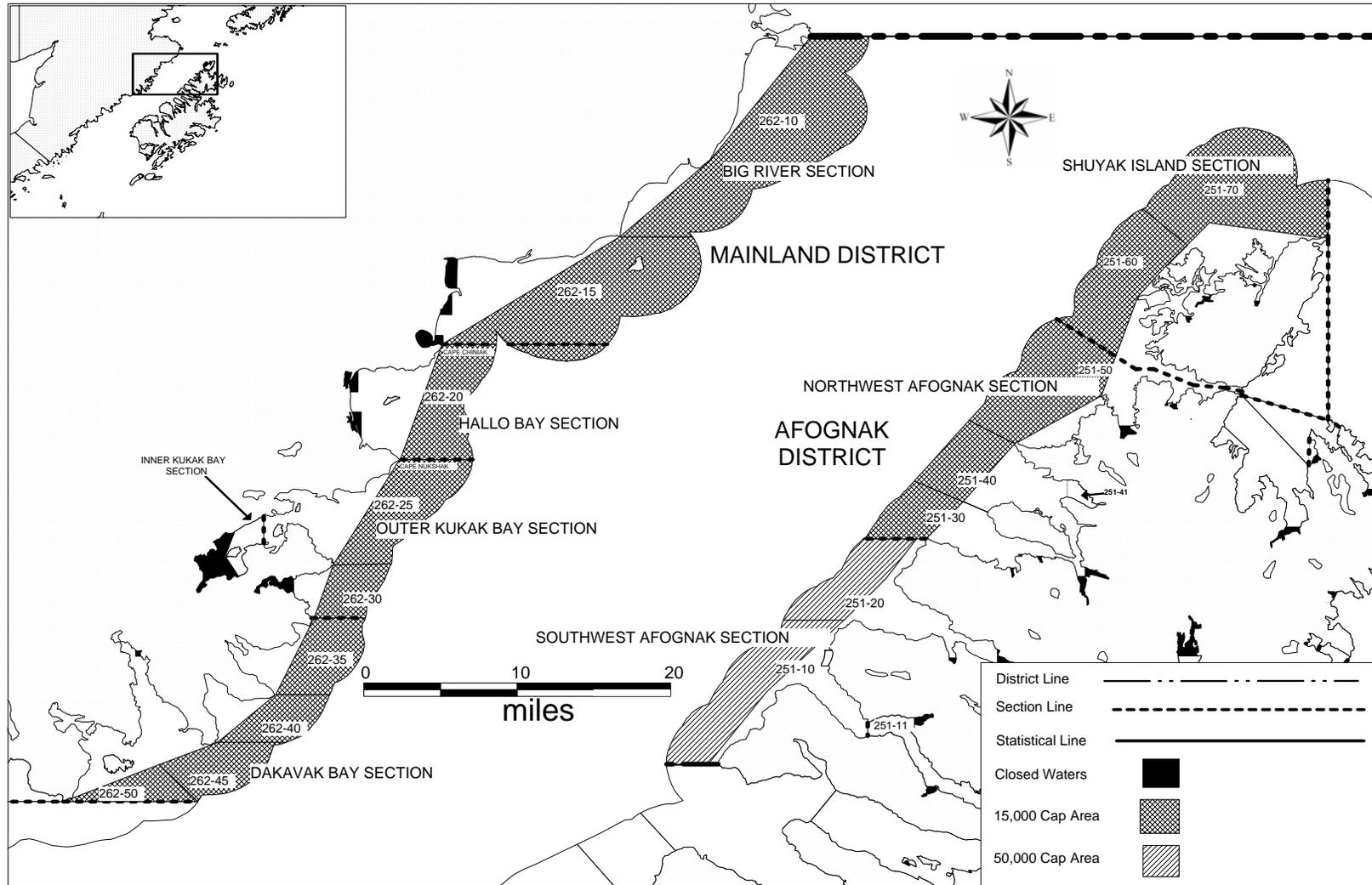
The 2004 North Shelikof Unit harvest for the July 6 through July 25 period totaled 553 Chinook, 53,334 sockeye, 3,756 coho, 44,886 pink and 14,710 chum salmon, with 36 vessels participating (Appendices F3 and F5).

The 2004 Southwest Afognak Unit harvest for the time period July 6 through July 25 totaled 3,048 Chinook, 24,515 sockeye, 7,918 coho, 227,062 pink and 19,315 chum salmon, with 25 vessels participating (Appendix F4 and F6).

REFERENCES CITED

Barrett, B. M. 1989. North Shelikof Strait 1988 sockeye catch distribution, timing, and stock composition. Alaska Department of Fish and Game, Division of Commercial Fisheries, Regional Information Report 4K88-6, Kodiak.

Brennan, K., D. Gretsche, and J. Wadle. 2004. Kodiak Management Area harvest strategy for the 2004 commercial salmon fishery. Alaska Department of Fish and Game, Division of Commercial Fisheries, Regional Information Report 4K04-19, Kodiak.



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

Appendix F3.-Summary of fishing time, zone closures, effort, and harvest by species, for the North Shelikof management units (15,000 sockeye salmon harvest trigger) of the Kodiak Management Area, 1990-2004.

Year	# of Days		# of Days		Zone Closure		Sockeye Harvest at Time of Closure	Number Of Vessels	Total Harvest By Species July 6 through July 25					Upper Cook Inlet Sockeye Harvest
	Open to Fishing	Seaward Zone closed	Date	Time	Date	Time			Chinook	Sockeye	Coho	Pink	Chum	
1990	7.1	2.4	9.1	4.4	7/15	9 PM	36,800	69	140	57,700	3,900	18,600	19,400	3.6 Million
1991	7.1	0	13.1	0	none	none	No Closure	42	2,500	18,800	2,700	44,800	3,800	2.2 Million
1992	7.1	5.1	9.1	7.1	7/8	1 PM	13,500	77	900	128,400	3,100	24,300	12,000	8.9 Million
1993	7.1	4.7	13.8	8.9	7/10	5 PM	15,220	89	1,200	78,400	2,000	75,600	4,200	4.7 Million
1994	7.1	2.8	9.1	4.8	7/14	11 AM	22,830	58	165	38,800	2,400	52,000	10,500	3.5 Million
1995	7.1	3.3	13.3	8.5	7/13	10 PM	15,770	77	150	37,400	1,260	178,800	16,590	2.9 Million
1996	7.1	4.3	7.1	4.3	7/15	10 PM	11,675	77	260	73,720	1,820	30,050	14,585	3.9 Million
1997	7.1	4.9	10.1	7.9	7/8	5 PM	19,850	80	1,940	59,140	1,840	38,190	4,550	4.1 Million
1998	7.1	2.4	10.1	4.4	7/16	9 PM	17,812	39	140	40,630	5,380	59,535	6,370	1.2 Million
1999	7.1	3.3	10.1	6.3	7/13	10 PM	13,021	45	310	30,830	230	31,920	7,795	2.7 Million
2000	7.1	0	10.1	0	none	none	No Closure	31	68	9,225	1,045	20,215	22,155	1.3 Million
2001	7.1	2.7	10.1	4.7	7/16	1 PM	14,729	26	245	22,321	9,943	33,534	10,348	1.8 Million
2002	7.1	2.4	10.1	4.7	7/15	5 PM	16,600	35	295	35,290	13,181	238,734	13,708	2.8 Million
2003	7.1	5.1	13.1	11.1	7/8	NOON	16,448	37	120	33,122	1,054	35,151	6,500	3.5 Million
2004	7.1	3.5	13.1	7.5	7/13	5 PM	16,000	36	553	53,334	3,756	44,886	14,710	4.9 Million

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, 1990-2004.

Year	# of Days Open to Fishing	# of Days Seaward Zone closed	Zone Closure		Sockeye Harvest at Time of Zone Closure	Number of Vessels	Total Harvest By Species July 6 through July 25					Upper Cook Inlet
			Date	Time			Chinook	Sockeye	Coho	Pink	Chum	Sockeye Harvest
1990	9.1	0	none	none	No Closure	64	300	22,900	3,600	53,800	6,000	3.6 Million
1991	13.1	0	none	none	No Closure	55	300	34,200	3,600	100,700	4,000	2.2 Million
1992	9.1	4.7	7/14	1 PM	48,200	84	300	50,600	600	30,000	6,800	8.9 Million
1993	13.6	7.7	7/14	1 PM	45,900	87	860	74,000	7,100	243,000	7,400	4.7 Million
1994	9.6	0	none	none	No Closure	45	360	13,600	1,000	64,300	3,100	3.5 Million
1995	13.6	0	none	none	No Closure	64	760	21,360	1,750	490,510	22,220	2.9 Million
1996	7.6	0	none	none	No Closure	32	185	10,510	803	79,205	10,785	3.9 Million
1997	10.6	0	none	none	No Closure	61	1,500	18,120	1,760	62,730	8,440	4.1 Million
1998	10.6	0	none	none	No Closure	22	240	10,340	2,290	82,685	1,900	1.2 Million
1999	10.6	0	none	none	No Closure	38	700	18,725	375	41,960	4,720	2.7 Million
2000	10.6	0	none	none	No Closure	31	90	17,810	1,220	37,340	7,225	1.3 Million
2001	10.6	0	none	none	No Closure	48	517	33,289	7,139	191,947	15,913	1.8 Million
2002	10.6	0	none	none	No Closure	32	502	23,691	3,742	122,892	4,821	2.8 Million
2003	13.1	6.4	7/16	8 PM	66,000	41	125	119,490	6,006	238,088	15,829	3.5 Million
2004	13.1	0	none	none	No Closure	25	3,048	24,515	7,918	227,062	19,315	4.9 Million

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 section and species, for the North Shelikof Management Units of the North Shelikof Strait Sockeye Salmon Management Plan, 2004.

Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		Total		
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	
First Period															
(July 6-10)															
7/6	4	4	88	882	943	5,454	37	309	2,225	7,519	703	5,934	3,996	20,098	
7/7	7	7	65	1,399	1,845	10,748	21	168	2,083	6,400	1,821	12,292	5,835	31,007	
7/8	Confidentiality rules prohibit the release of this information.														
7/9	4	4	75	591	3,407	19,157	191	1,587	6,254	19,278	617	5,271	10,544	45,884	
Subtotal	12	18	285	3,574	7,134	40,341	249	2,064	11,744	36,743	3,485	26,620	22,897	109,342	
Avg. Wt.				12.54		5.65		8.29		3.13		7.64			
Second Period															
(July 12-16)															
7/12	7	7	127	1,867	4,997	29,274	427	3,607	9,694	31,810	780	5,876	16,025	72,434	
7/13	5	5	13	149	10,665	55,700	40	205	3,332	12,175	2,454	17,090	16,504	85,319	
7/14	Confidentiality rules prohibit the release of this information.														
7/15	Confidentiality rules prohibit the release of this information.														
Subtotal	11	16	174	2,308	27,462	149,036	1,072	7,638	18,622	63,945	6,228	46,294	53,558	269,221	
Avg. Wt.				13.26		5.43		7.13		3.43		7.43			
Third Period															
(July 19-23)															
7/19	15	15	38	738	8,620	43,704	548	4,254	7,759	30,989	2,216	15,917	19,181	95,602	
7/20	5	5	35	507	2,223	10,541	480	3,136	1,966	6,346	1,333	5,791	6,037	26,321	
7/21	9	9	21	535	7,895	51,251	1,407	9,543	4,795	19,994	1,448	12,731	15,566	94,054	
Subtotal	17	29	94	1,780	18,738	105,496	2,435	16,933	14,520	57,329	4,997	34,439	40,784	215,977	
Avg. Wt.				18.94		5.63		6.95		3.95		6.89			
Season															
(July 6-25)															
Total	36	63	553	7,662	53,334	294,873	3,756	26,635	44,886	158,017	14,710	107,353	117,239	594,540	
Avg. Wt.				13.86		5.53		7.09		3.52		7.30			

Appendix F6.-Daily salmon harvest, by section and species, in the Southwest Afognak management units of the North Shelikof Strait Sockeye Salmon Management Plan, 2004.

Date/Period	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
First Period												
(July 6-10)												
7/6	5	6	737	6,244	4,228	21,695	163	1,174	5,856	20,459	4,394	36,493
7/7	6	6	606	4,189	3,735	19,022	245	1,808	5,045	19,037	2,128	19,734
7/8	4	4	191	1,559	735	3,605	116	790	1,184	5,499	406	3,901
7/9	Confidentiality rules prohibit the release of this information.											
7/10	5	7	326	2,860	2,584	14,143	954	6,200	4,404	14,202	747	6,050
Subtotal	15	26	2,152	17,272	14,045	74,608	1,984	13,633	21,467	75,503	9,350	78,266
Avg. Wt.				8.03		5.31		6.87		3.52		8.37
Second Period												
(July 14-17)												
7/13	6	7	115	925	1,862	11,756	624	4,879	7,917	25,228	474	4,167
7/14	4	4	43	408	1,809	10,040	714	5,448	5,973	20,113	236	1,946
7/16	Confidentiality rules prohibit the release of this information.											
Subtotal	9	13	199	1,779	4,117	24,266	1,595	12,300	18,085	64,999	842	7,089
Avg. Wt.				8.94		5.89		7.71		3.59		8.42
Third Period												
(July 19-25)												
7/19	Confidentiality rules prohibit the release of this information.											
7/20	Confidentiality rules prohibit the release of this information.											
7/21	7	7	147	1,674	1,071	5,920	595	5,220	23,613	85,807	1,055	7,288
7/22	7	7	35	521	1,397	7,432	908	7,433	38,919	140,898	2,952	20,460
7/23	8	8	114	1,460	939	5,333	772	6,838	50,080	180,016	2,048	14,999
7/24	8	8	223	2,779	701	3,972	958	8,516	28,916	104,452	1,581	11,345
7/25	Confidentiality rules prohibit the release of this information.											
Subtotal	17	39	697	8,388	6,353	35,654	4,339	37,474	187,510	696,153	9,123	67,399
Avg. Wt.				12.03		5.61		8.64		3.71		7.39
<u>Season</u>												
(July 6-25)												
Total	25	78	3,048	27,439	24,515	134,528	7,918	63,407	227,062	836,655	19,315	152,754
Avg. Wt.				9.00	0.89	5.49	0.06	8.01	3.58	3.68	0.02	7.91

APPENDIX G: EASTSIDE AFOGNAK FISHERY SUMMARY

Appendix G1.-Narrative account of the Eastside Afognak salmon fishery in the Kodiak Management Area, 2004.

INTRODUCTION

In 1990 the Alaska Board of Fisheries (BOF) adopted the Eastside Afognak Management Plan (5 AAC 18.365; ADF&G 2002) 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.

2004 Eastside Afognak Fishery

Management of the Southeast Afognak Section is based on local salmon runs. Fisheries may be allowed from June 5 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 (Brennan et al. 2004). However, extremely low returns of sockeye salmon to Afognak Lake resulted in no directed sockeye salmon commercial fisheries. For the third consecutive year there was a joint effort of the Alaska Department of Fish and Game (ADF&G) and United States Fish and Wildlife Service (USFWS) to close subsistence fishing in most of Afognak Bay by emergency order. The sport fishery for sockeye salmon was also restricted. Subsistence fishing was reopened on August 1 in order to allow subsistence harvest for coho and pink salmon within the Southeast Afognak Section.

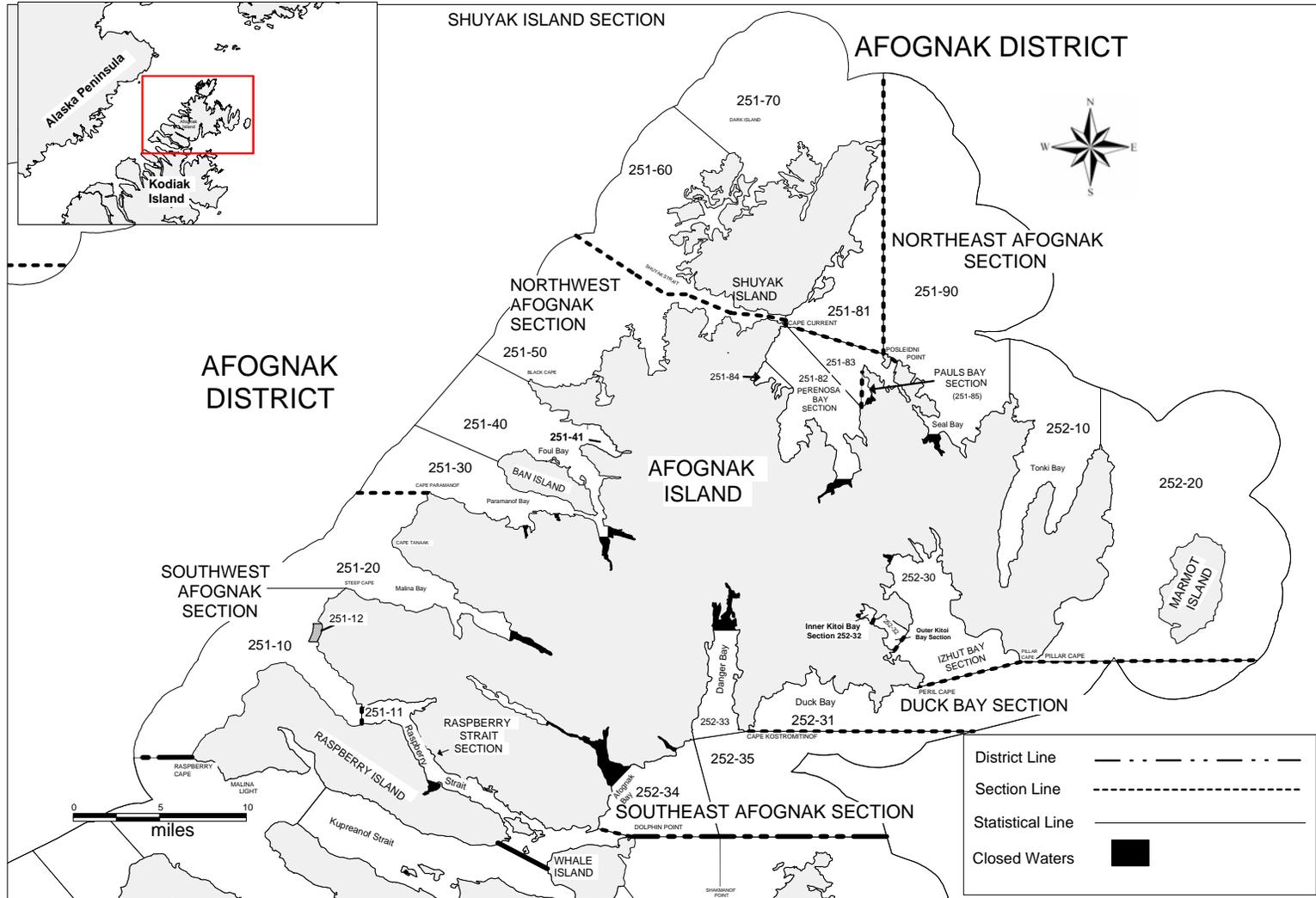
The pink salmon return to the Kitoi Bay Hatchery was weaker than forecast (6.2 to 9.3 million). In order to allow harvest opportunity on the pink salmon returning to the Kitoi Bay Hatchery, part of the Southeast Afognak Section was allowed to open July 26. However, a substantial portion of the Southeast Afognak Section (most of Afognak Bay) remained closed to protect late returning sockeye salmon. The Southeast Afognak Section harvest included 412 sockeye, 2,646 coho, 69,003 pink, and 158 chum salmon (Appendix G3).

Duck Bay, Izhut Bay, Inner Kitoi and Outer Kitoi Bay Sections all opened to commercial salmon fishing on June 5 with the last delivery occurring on September 15. Fishing effort in areas targeting the Kitoi Bay hatchery return, which involved 88 permit holders in the Duck Bay, Izhut Bay, Inner Kitoi and Outer Kitoi Bay Sections, harvested 1,289 Chinook, 38,305, sockeye, 129,513 coho, 3,993,353 pink and 239,637 chum salmon (Appendix G3). The hatchery coho, pink, and chum salmon harvests were below projected 2004 point estimates. The Kitoi Bay Hatchery sockeye salmon run was stronger than expected and although the entire return was intended for broodstock, a harvest of 38,100 fish occurred.

There was a cost recovery fishery near the Kitoi Bay Hatchery, with Kitoi pink salmon harvested and sold by Kodiak Regional Aquaculture Association (KRAA). The cost recovery fishery took approximately 1.9 million pink salmon (7.0 million pounds), about half of the Kitoi Bay Hatchery pink salmon 2004 harvest (3,993,353 fish). There was a marked increase in directed effort to harvest wild stock pink salmon compared to 2003, mainly from fishermen associated with processors that were not involved in cost-recovery fisheries.

REFERENCES CITED

- ADF&G (Alaska Department of Fish and Game). 2002. Regulations of the Alaska Board of Fisheries for Commercial Fishing in Alaska; 2002-2005 Chignik and Kodiak Areas. Alaska Department of Fish and Game, Commercial Fisheries Management and Development Division, Juneau.
- Brennan, K., D. Gretsches, and J. Wadle. 2004. Kodiak management area harvest strategy for the 2002 commercial salmon fishery. Alaska Department of Fish and Game, Division of Commercial Fisheries, Regional Information Report 4K04-19, Kodiak.
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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, 2004.

Management Unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		Total	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Southeast Afognak Section															
	12-Aug	Confidentiality rules prohibit the release of this information.													
	13-Aug														
	14-Aug														
	20-Aug														
	21-Aug														
	22-Aug														
	23-Aug														
	25-Aug														
Total		5	11	0	0	412	2,009	2,646	22,034	69,003	246,962	158	1,147	72,219	272,152
Avg.Wt.							4.9		8.3		3.6		7.3		
Izhut Bay Section															
	13-Jun	Confidentiality rules prohibit the release of this information.													
	14-Jun														
	17-Jun	4	4	12	139	157	652	1	6	7	22	2,893	20,308	3,070	21,127
	18-Jun	Confidentiality rules prohibit the release of this information.													
	19-Jun														
	19-Jun	4	4	32	343	56	236	0	0	0	0	9,365	66,131	9,453	66,710
	20-Jun	Confidentiality rules prohibit the release of this information.													
	21-Jun														
	21-Jun	5	5	33	319	177	932	1	4	9	31	6,877	54,455	7,097	55,741
	22-Jun	8	8	29	231	31	160	3	13	4	14	7,326	52,488	7,393	52,906
	23-Jun	4	4	16	120	124	647	6	37	18	67	3,666	26,804	3,830	27,675
	24-Jun	7	7	21	187	78	408	0	0	11	30	14,861	113,857	14,971	114,482
	25-Jun	Confidentiality rules prohibit the release of this information.													
	26-Jun														
	26-Jun	4	4	18	170	14	59	1	6	12	48	6,295	45,247	6,340	45,530
	27-Jun	6	6	8	81	33	162	13	77	16	57	5,874	41,442	5,944	41,819
	28-Jun	4	4	3	27	31	141	3	16	32	111	6,813	48,341	6,882	48,636
	29-Jun	2	2	10	75	6	32	7	55	6	44	836	5,882	865	6,088
	30-Jun	4	4	8	73	53	256	24	150	38	143	8,286	57,908	8,409	58,530

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Management Unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		Total	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Izhut Bay Section (continued)	1-Jul			Confidentiality rules prohibit the release of this information.											
	2-Jul	4	4	1	5	81	423	47	308	46	175	6,534	43,315	6,709	44,226
	3-Jul			Confidentiality rules prohibit the release of this information.											
	4-Jul			Confidentiality rules prohibit the release of this information.											
	5-Jul	5	5	3	57	318	1,748	146	1,088	221	677	7,877	52,901	8,565	56,471
	6-Jul			Confidentiality rules prohibit the release of this information.											
	7-Jul			Confidentiality rules prohibit the release of this information.											
	25-Jul			Confidentiality rules prohibit the release of this information.											
	26-Jul			Confidentiality rules prohibit the release of this information.											
	27-Jul			Confidentiality rules prohibit the release of this information.											
	28-Jul	4	4	0	0	108	556	167	1,360	16,723	62,927	422	3,035	17,420	67,878
	29-Jul	4	4	1	32	52	221	98	751	24,004	73,941	548	4,068	24,703	79,013
	30-Jul			Confidentiality rules prohibit the release of this information.											
	31-Jul	4	5	0	0	6	30	8	63	13,318	46,614	176	1,163	13,508	47,870
	1-Aug	8	9	0	0	12	64	83	762	51,466	166,386	360	2,386	51,921	169,598
	17-Aug	9	9	0	0	76	368	1,230	11,415	43,743	157,470	40	296	45,089	169,549
	18-Aug			Confidentiality rules prohibit the release of this information.											
	19-Aug			Confidentiality rules prohibit the release of this information.											
	20-Aug	5	5	0	0	6	22	4,170	19,517	23,332	88,374	18	181	27,526	108,094
	21-Aug	8	8	0	0	34	208	2,725	23,341	45,029	154,447	12	83	47,800	178,079
	22-Aug	6	6	0	0	29	181	3,504	35,092	25,723	89,495	17	118	29,273	124,886
	23-Aug	13	13	0	0	28	154	1,919	14,982	30,168	122,370	4	30	32,119	137,536
	24-Aug	14	15	0	0	20	139	4,856	42,753	32,469	112,758	3	19	37,348	155,669
	25-Aug	7	9	0	0	2	7	1,599	15,108	11,367	42,936	8	48	12,976	58,099
	26-Aug	3	4	2	20	3	12	325	2,955	2,745	12,912	1,723	7,252	4,798	23,151
	27-Aug	8	11	0	0	6	36	7,980	48,362	45,425	163,760	1,344	15,436	54,755	227,594
	28-Aug	7	7	0	0	12	83	2,406	20,930	24,763	90,808	0	0	27,181	111,821
	29-Aug	7	7	0	0	2	15	1,642	16,073	16,341	59,451	0	0	17,985	75,539
	30-Aug	6	6	0	0	9	59	2,448	21,654	12,910	47,607	0	0	15,367	69,320
	31-Aug	7	7	0	0	14	92	1,213	11,171	18,055	60,595	1	8	19,283	71,866
	1-Sep	7	8	0	0	13	74	1,056	10,188	27,256	96,132	2	15	28,327	106,409
	2-Sep			Confidentiality rules prohibit the release of this information.											

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Appendix G3.-Page 3 of 7.

Management Unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		Total	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Izhut Bay Section															
(continued)	3-Sep	7	8	0	0	0	0	2,064	18,077	11,401	39,790	0	0	13,465	57,867
	4-Sep	4	4	0	0	4	21	600	5,129	11,878	43,951	0	0	12,482	49,101
	5-Sep	7	7	0	0	0	0	2,135	17,118	10,888	41,381	0	0	13,023	58,499
	6-Sep	6	7	0	0	4	20	876	7,555	5,158	19,431	0	0	6,038	27,006
	7-Sep	2	2	0	0	0	0	359	3,280	0	0	0	0	359	3,280
	8-Sep	Confidentiality rules prohibit the release of this information.													
	10-Sep														
	11-Sep														
	12-Sep														
	14-Sep														
Total		70	274	257	2,533	3,492	18,733	54,171	414,277	561,133	2,013,877	127,496	906,779	746,549	3,356,199
Avg. Wt.					9.9		5.4		7.6		3.6		7.1		
Duck Bay Section															
	5-Jun	Confidentiality rules prohibit the release of this information.													
	6-Jun														
	12-Jun														
	14-Jun														
	15-Jun														
	17-Jun														
	19-Jun														
	20-Jun														
	21-Jun														
	22-Jun														
	23-Jun														
	24-Jun														
	26-Jun														
	27-Jun	5	5	14	178	60	318	15	90	25	95	10,148	70,625	10,262	71,306
	28-Jun	4	4	65	377	354	1,498	6	20	69	241	2,022	14,716	2,516	16,852
	29-Jun	Confidentiality rules prohibit the release of this information.													
	2-Jul														
	3-Jul														
	5-Jul														

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Management				Chinook		Sockeye		Coho		Pink		Chum		Total	
Unit	Date	Permits	Landings	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Duck Bay Section															
(continued)															
	6-Jul	Confidentiality rules prohibit the release of this information.													
	7-Jul	Confidentiality rules prohibit the release of this information.													
	9-Jul	Confidentiality rules prohibit the release of this information.													
	10-Jul	Confidentiality rules prohibit the release of this information.													
	12-Jul	Confidentiality rules prohibit the release of this information.													
	13-Jul	Confidentiality rules prohibit the release of this information.													
	14-Jul	Confidentiality rules prohibit the release of this information.													
	15-Jul	7	7	13	97	5,045	29,516	1,797	13,856	26,632	81,553	2,263	18,781	35,750	143,803
	16-Jul	5	5	0	0	956	4,956	297	1,923	4,774	15,707	498	3,716	6,525	26,302
	17-Jul	4	4	22	94	2,098	12,330	944	6,708	10,820	39,914	1,793	12,780	15,677	71,826
	18-Jul	4	6	0	0	4,129	23,282	837	5,379	20,579	82,376	2,242	15,039	27,787	126,076
	19-Jul	Confidentiality rules prohibit the release of this information.													
	20-Jul	Confidentiality rules prohibit the release of this information.													
	21-Jul	4	4	5	93	736	4,183	1,080	7,810	18,813	72,343	1,533	12,477	22,167	96,906
	22-Jul	Confidentiality rules prohibit the release of this information.													
	23-Jul	Confidentiality rules prohibit the release of this information.													
	24-Jul	9	9	12	199	898	4,875	1,403	10,683	35,862	131,932	1,759	12,903	39,934	160,592
	25-Jul	Confidentiality rules prohibit the release of this information.													
	26-Jul	7	7	8	121	665	3,635	1,448	8,719	47,346	193,992	1,855	12,330	51,322	218,797
	27-Jul	4	4	2	38	274	1,504	381	2,731	21,213	82,770	481	3,301	22,351	90,344
	28-Jul	7	7	3	36	247	1,364	897	5,877	39,975	164,196	923	6,338	42,045	177,811
	29-Jul	7	7	1	9	137	731	415	3,156	24,337	95,311	709	4,883	25,599	104,090
	30-Jul	7	8	13	276	312	1,683	989	6,682	57,910	222,825	480	3,349	59,704	234,815
	31-Jul	4	4	0	0	31	158	328	2,505	22,633	74,617	86	676	23,078	77,956
	1-Aug	10	11	7	213	330	1,765	1,059	8,106	57,706	214,161	501	3,697	59,603	227,942
	2-Aug	9	9	6	136	199	985	1,373	10,955	50,197	182,313	350	2,582	52,125	196,971
	3-Aug	11	11	25	502	325	1,820	1,929	13,964	81,864	306,575	527	4,107	84,670	326,968
	4-Aug	13	14	10	185	207	1,055	1,128	8,296	70,485	275,604	303	2,283	72,133	287,423
	15-Aug	13	13	1	42	143	686	1,886	16,516	41,240	152,481	66	501	43,336	170,226
	16-Aug	12	13	0	0	166	791	2,031	16,513	50,195	193,834	77	577	52,469	211,715

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Management				Chinook		Sockeye		Coho		Pink		Chum		Total	
Unit	Date	Permits	Landings	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Duck Bay Section															
(continued)	17-Aug	11	11	7	95	392	2,084	3,595	27,690	83,814	332,776	123	805	87,931	363,450
	18-Aug	10	10	2	52	177	948	1,864	15,385	66,491	239,498	36	264	68,570	256,147
	19-Aug	10	10	0	0	101	502	2,392	20,053	59,249	231,664	111	807	61,853	253,026
	20-Aug	13	14	350	3,426	257	1,377	3,666	30,471	70,722	272,133	186	1,673	75,181	309,080
	21-Aug	8	10	0	0	103	554	1,798	15,981	44,149	161,108	3,514	14,655	49,564	192,298
	22-Aug	11	13	1	16	358	1,928	3,608	30,599	80,773	299,056	67	491	84,807	332,090
	23-Aug	7	7	0	0	75	395	1,685	13,768	39,857	146,085	21	152	41,638	160,400
	24-Aug	9	9	1	20	214	1,057	3,435	30,834	48,831	180,697	21	139	52,502	212,747
	25-Aug	7	9	0	0	31	159	4,275	35,480	25,393	95,011	4	23	29,703	130,673
	26-Aug	7	8	0	0	27	150	2,174	20,209	24,502	90,590	1,263	4,313	27,966	115,262
	27-Aug	5	5	0	0	6	22	1,080	9,631	17,821	70,111	2	14	18,909	79,778
	28-Aug	4	5	0	0	3	16	744	6,678	11,132	44,225	2	9	11,881	50,928
	29-Aug	4	4	0	0	19	103	1,219	10,347	23,107	93,331	0	0	24,345	103,781
	30-Aug	7	9	0	0	11	48	1,721	14,420	24,475	88,641	4	21	26,211	103,130
	31-Aug	10	18	0	0	14	78	3,167	27,410	22,355	85,129	0	0	25,536	112,617
	1-Sep	7	8	0	0	7	42	1,353	12,039	13,627	48,933	2	15	14,989	61,029
	2-Sep	4	5	0	0	8	46	986	7,797	6,955	24,807	1	8	7,950	32,658
	3-Sep	5	5	0	0	6	38	1,099	8,956	14,531	55,640	0	0	15,636	64,634
	4-Sep	Confidentiality rules prohibit the release of this information.													
	5-Sep	4	5	0	0	12	62	648	5,510	3,337	11,347	0	0	3,997	16,919
	6-Sep	Confidentiality rules prohibit the release of this information.													
	7-Sep														
	9-Sep														
	10-Sep														
	11-Sep														
	12-Sep														
	13-Sep														
	14-Sep														
	15-Sep														
	Total	66	391	827	10,067	33,377	185,580	70,761	570,029	1,463,440	5,500,372	65,349	449,410	1,633,754	6,715,458
	Avg. Wt.				12.2		5.6		8.1		3.8		6.9		

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Management Unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		Total	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Inner & Outer Kitoi Bay Sections	7-Jun														
	9-Jun														
	11-Jun														
	13-Jun														
	14-Jun														
	15-Jun	4	4	28	180	175	786	0	0	2	5	2,374	16,116	2,579	17,087
	16-Jun														
	17-Jun														
	18-Jun														
	19-Jun														
	20-Jun														
	21-Jun														
	22-Jun														
	23-Jun														
	25-Jun														
	26-Jun														
	27-Jun														
	28-Jun														
	29-Jun														
	30-Jun														
	26-Jul														
	27-Jul														
	29-Jul														
	31-Jul														
	1-Aug														
	4-Aug														
	6-Aug														
	7-Aug														
	8-Aug														
	9-Aug														
	10-Aug														
	11-Aug														

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Management Unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		Total	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Inner and Outer Kitoi Bay Sections (continued)															
	12-Aug														
	13-Aug														
	14-Aug														
	15-Aug														
	16-Aug														
	17-Aug														
	27-Aug														
	28-Aug	6	6	0	0	1	8	2,140	17,368	24,091	94,726	1	5	26,233	112,107
	29-Aug														
	30-Aug														
	1-Sep														
	2-Sep														
	3-Sep														
	4-Sep														
	5-Sep														
Total		31	104	205	2,030	1,436	6,635	4,581	38,219	1,968,780	7,217,691	46,792	343,838	2,021,794	7,608,413
Avg.Wt.					9.9		4.6		8.3		3.7		7.3		
Management Units Targeting Kitoi Hatchery (Inner & Outer Kitoi, Izhut and Duck Bay Sections)															
Subtotal		88	759	1,289	14,630	38,305	210,948	129,513	1,022,525	3,993,353	14,731,940	239,637	1,700,027	4,402,097	17,680,070
Avg.Wt.					11.3		5.5		7.9		3.7		7.1		
East Afognak Management Units															
Grand Total		89	770	1,289	14,630	38,717	212,957	132,159	1,044,559	4,062,356	14,978,902	239,795	1,701,174	4,474,316	17,952,222
Avg.Wt.					11.3		5.5		7.9		3.7		7.1		

**APPENDIX H: SPIRIDON LAKE TERMINAL HARVEST AREA
FISHERY SUMMARY**

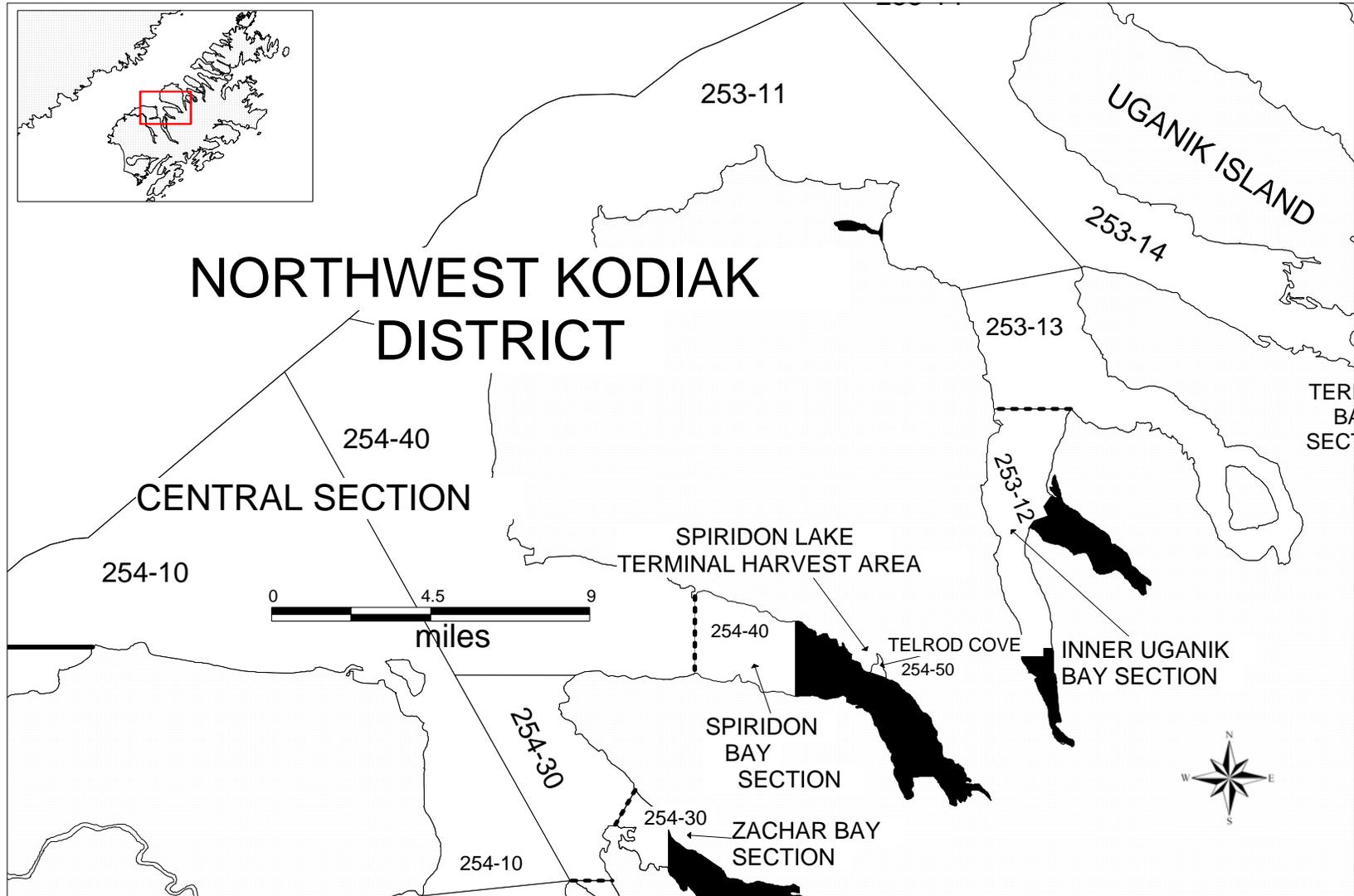
Appendix H1.-Narrative account of the Spiridon Lake Terminal Harvest Area sockeye salmon fishery in the Kodiak Management Area, 2004.

INTRODUCTION

Adult sockeye salmon, resulting from juvenile stocking of Spiridon Lake, return each year to Telrod Cove in Spiridon Bay (Appendix H2), and are vulnerable to harvest in westside Kodiak commercial fisheries. A significant return of approximately 337,000 Spiridon Lake sockeye salmon was expected in 2004. Sockeye salmon stocked into Spiridon Lake were from the late-run Upper Station (Olga Lakes) and Sallery Lake stocks; the timing of the return was to coincide with the pink salmon and late sockeye salmon fisheries in the Northwest Kodiak District. Peak harvest timing was expected to be mid-August, based on past timing. It was hoped the majority of the returning sockeye salmon would be harvested in the Central Section of the Northwest Kodiak District during the planned general pink salmon fisheries occurring along Kodiak's west side, or during fisheries targeting late-run Karluk sockeye salmon.

2004 Spiridon Lake sockeye salmon fishery

On June 18 the Spiridon Lake Terminal Harvest Area (SLTHA) in Telrod Cove was opened until further notice to allow harvest of enhancement project sockeye salmon. From ADF&G Fish Ticket reports, 21 seiners harvested 115 Chinook, 75,009 sockeye, 12 coho, 23,644 pink, and 2,105 chum salmon from the SLTHA (Appendix H3). Salmon purse seine and set gillnet permit holders operate along the westside of Kodiak in traditional fishing areas during fisheries directed at west side pink, chum, and late-run Karluk sockeye salmon. Some Spiridon bound sockeye salmon are harvested with those fisheries. The total contribution of sockeye salmon by the Spiridon enhancement project to the common property fishery can be estimated based on past analyses of commercial catch samples from Westside Kodiak fisheries. The total 2004 harvest of Spiridon enhancement project sockeye salmon is estimated at 181,200 fish, with approximately 41% (75,009) harvested within the terminal harvest area and 59% (106,191) harvested in the Southwest Afognak Section and Northwest Kodiak District (Appendix H4.) and are considered minimum estimates.



Appendix H2.-Map showing Spiridon Lake Terminal Harvest Area in the Northwest Kodiak District.

Appendix H3.-Daily salmon harvest, by species and gear type, for the Spiridon Lake Terminal Harvest Area, 2004.

Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		Total	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
18-Jun			Confidentiality rules prohibit the release of this information.											
20-Jun			Confidentiality rules prohibit the release of this information.											
21-Jun			Confidentiality rules prohibit the release of this information.											
22-Jun	10	10	62	727	4,690	27,946	0	0	0	0	26	266	4,778	28,939
23-Jun	4	4	4	30	1,436	8,767	0	0	0	0	0	0	1,440	8,797
24-Jun	6	6	1	16	930	5,595	0	0	0	0	14	78	945	5,689
25-Jun	7	7	10	130	3,796	22,523	0	0	10	32	12	171	3,828	22,856
26-Jun	8	11	8	99	3,186	17,821	0	0	0	0	14	105	3,208	18,025
27-Jun	12	12	9	109	3,041	17,204	0	0	18	66	13	94	3,081	17,473
28-Jun	4	4	0	0	1,044	5,759	0	0	4	12	15	157	1,063	5,928
29-Jun	12	12	5	65	2,609	15,615	0	0	72	239	50	492	2,736	16,411
30-Jun	4	4	0	0	887	5,206	0	0	5	34	5	49	897	5,289
1-Jul	7	9	0	0	1,637	9,542	0	0	39	187	34	314	1,710	10,043
2-Jul			Confidentiality rules prohibit the release of this information.											
3-Jul	5	6	2	22	924	4,900	0	0	51	202	5	44	982	5,168
4-Jul	6	7	0	0	2,078	12,245	0	0	213	703	29	283	2,320	13,231
5-Jul	5	5	1	6	1,545	8,182	0	0	90	290	20	168	1,656	8,646
6-Jul	7	8	3	22	1,022	5,783	1	8	76	295	29	267	1,131	6,375
7-Jul	7	7	0	0	594	3,478	0	0	26	148	2	15	622	3,641
8-Jul	6	6	0	0	500	2,787	0	0	115	488	28	261	643	3,536
9-Jul	5	6	0	0	937	5,455	0	0	57	226	14	151	1,008	5,832
10-Jul	5	5	8	105	2,064	12,551	0	0	451	1,648	16	149	2,539	14,453
11-Jul	5	6	0	0	1,322	8,228	0	0	110	409	4	52	1,436	8,689
12-Jul	7	8	0	0	3,180	18,920	0	0	1,215	4,146	26	234	4,421	23,300
13-Jul	6	6	1	5	2,357	14,482	11	92	1,491	5,963	29	263	3,889	20,805
14-Jul	7	7	0	0	3,173	19,212	0	0	1,056	4,159	143	1,387	4,372	24,758
15-Jul	8	8	1	19	4,217	23,161	0	0	2,452	8,485	288	2,425	6,958	34,090
16-Jul	8	8	0	0	1,816	10,969	0	0	1,149	4,481	62	564	3,027	16,014
17-Jul			Confidentiality rules prohibit the release of this information.											

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Appendix H3.-Page 2 of 2.

Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		Total	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
18-Jul	7	8	0	0	4,312	26,053	0	0	2,931	11,610	384	3,812	7,627	41,475
19-Jul	12	12	0	0	3,414	20,095	0	0	2,861	11,276	301	3,290	6,576	34,661
20-Jul	9	9	0	0	2,712	15,216	0	0	2,105	7,104	268	2,668	5,085	24,988
21-Jul	6	7	0	0	1,235	6,906	0	0	1,256	4,877	121	1,248	2,612	13,031
22-Jul	5	5	0	0	890	4,998	0	0	978	3,891	36	331	1,904	9,220
24-Jul	Confidentiality rules prohibit the release of this information													
26-Jul														
27-Jul														
28-Jul														
29-Jul														
30-Jul														
4-Aug														
Total	21	238	115	1,355	75,009	438,688	12	100	23,644	91,171	2,105	20,102	100,885	551,416
Avg. Wt.				11.78		5.85		8.33		3.86		9.55		

Appendix H4.-Estimated contribution of the Spiridon Lake enhancement project sockeye salmon to the commercial harvest, in the Kodiak Management Area, 2004.

Actual Harvest		Estimated	
Spiridon Lake Terminal Harvest Area ^a		Southwest Afognak Section and NW Kodiak District ^b	Westside Total
Number of fish	75,009	106,191	181,200
Percent of estimated total	41%	59%	100%

Note: Number of fish does not include those set aside from the commercial harvest for personal use.

^a Statistical Area 254-50.

^b Statistical Area 251-10 and 251-20, 253-11 through 253-35, and 254-10 through 254-40.

APPENDIX I: EASTSIDE KODIAK FISHERY SUMMARY

Appendix II.-Narrative account of the Eastside Kodiak salmon fishery in the Kodiak Management Area, 2004.

INTRODUCTION

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 (Brennan et al. 2004). 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 10 fishing may be allowed based on local pink salmon and Buskin River (stream # 259-211) 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 mixed sockeye salmon. The Inner and Outer Ugak Bay Sections may not open for more than two 33-hour fishing periods from June 14 to June 22. From June 23 to July 5, fishing opportunities are to be based on sockeye salmon bound to either the Pasagshak River (stream # 259-411) in Outer Ugak or the Saltery River (stream # 259-415) in Inner Ugak. 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 Cove sockeye salmon must be considered through July 10. 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 (ADF&G 2002).

Within the Buskin River Section of the Northeast Kodiak District, the Buskin Lake system produces a significant run of sockeye salmon. Within the Inner Ugak Section of the Eastside Kodiak District, the Saltery Lake system also produces a significant run of sockeye salmon. A weir is operated on the Buskin River for accurate escapement enumeration. Other minor sockeye salmon systems are present in the Eastside Kodiak District, including Pasagshak, Miam (stream # 259-412), and Ocean Beach (stream # 258-401).

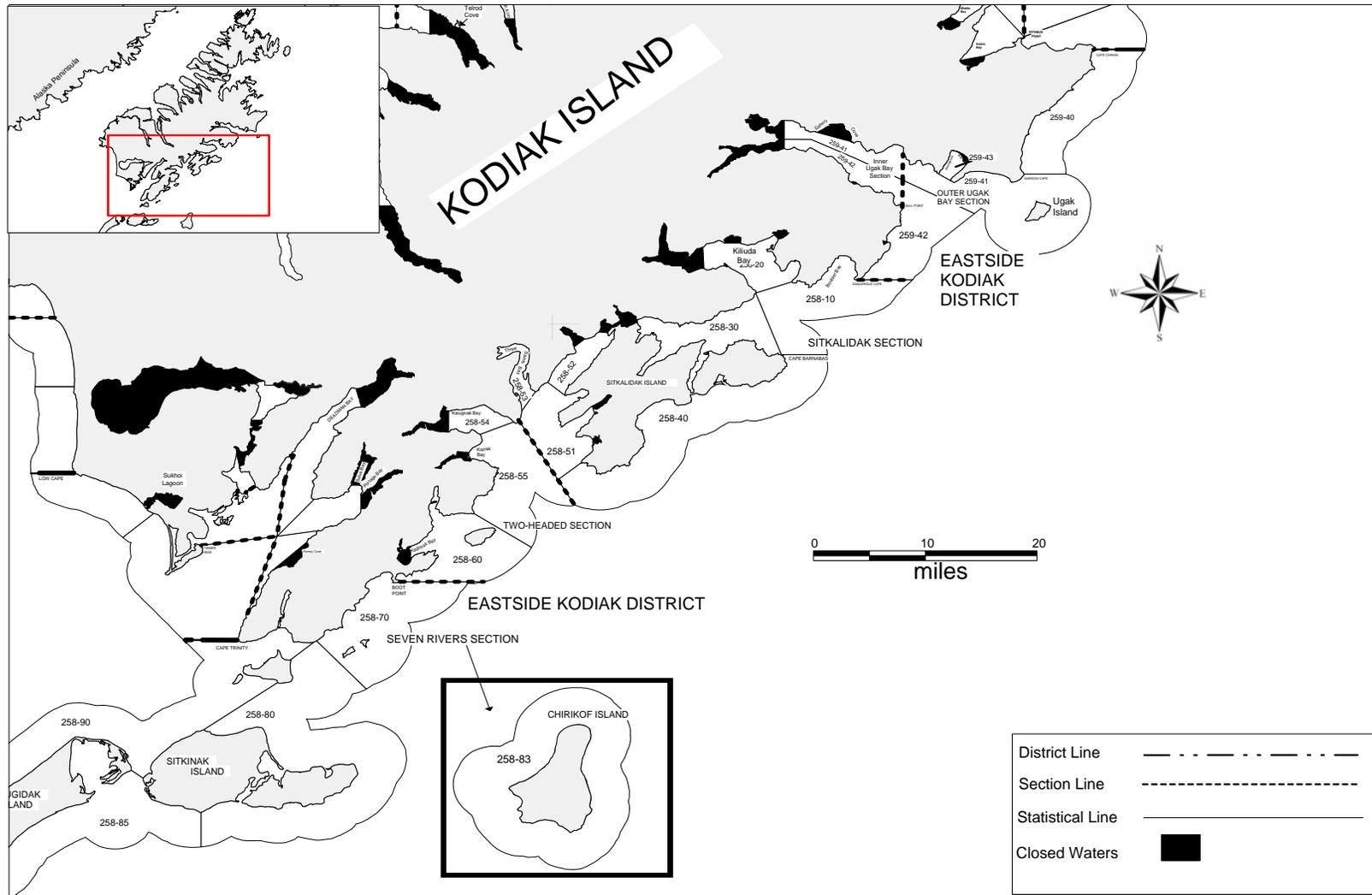
2004 Eastside Kodiak Fisheries

There was a decreased ability to monitor Saltery Lake sockeye salmon returns in 2004 due to the lack of funding for the weir. Despite this, it was apparent that the run was strong and liberal fishing time, with reduced closed waters, was initiated to keep escapements within optimum ranges. The Inner Ugak Section was first opened on June 14 then reopened on June 21 and remained open to almost continuous fishing until the end of the regulatory commercial salmon season.

The Buskin River had another strong run of sockeye salmon and commercial salmon fishing was allowed beginning on July 6. Other fishing periods followed during the general pink salmon management period and late season coho salmon management. The total commercial salmon harvest for the Northeast Kodiak District in 2004 was 261 Chinook, 15,753 sockeye, 9,069 coho, 59,756 pinks and 24,638 chum salmon (Appendix I4.). The last landing in the Northeast Kodiak District occurred on September 20. The last landing from Eastside Kodiak management units occurred on August 21. The total commercial harvest from Eastside Kodiak management units (Northeast and Eastside Kodiak Districts) was 525,594 salmon by 56 permit holders, including 982 Chinook, 162,725 sockeye, 33,459 coho, 252,007 pink, and 76,421 chum salmon.

REFERENCES CITED

- ADF&G (Alaska Department of Fish and Game). 2002. Regulations of the Alaska Board of Fisheries for Commercial Fishing in Alaska; 2002-2005 Chignik and Kodiak Areas. Alaska Department of Fish and Game, Commercial Fisheries Management Division, Juneau.
- Brennan, K., D. Gretsche, and J. Wadle. 2004. Kodiak management area harvest strategy for the 2004 commercial salmon fishery. Alaska Department of Fish and Game, Division of Commercial Fisheries, Regional Information Report 4K04-19, Kodiak.
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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, 2004.

Management Unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		Total	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Northeast Kodiak District															
	6-Jul	Confidentiality rules prohibit the release of this information.													
	7-Jul														
	8-Jul														
	9-Jul	4	4	22	526	3,038	16,835	3,060	19,118	6,695	22,254	3,656	29,687	16,471	88,420
	10-Jul	7	7	200	1,850	6,885	38,980	2,421	16,790	14,686	51,698	8,641	69,118	32,833	178,436
	12-Jul	Confidentiality rules prohibit the release of this information.													
	14-Jul														
	15-Jul														
	19-Jul														
	27-Jul														
	31-Jul														
	2-Aug														
	3-Aug														
	4-Aug														
	5-Aug														
	7-Aug														
	11-Aug														
	12-Aug														
	13-Aug														
	15-Aug														
	16-Aug														
	27-Aug														
	6-Sep														
	7-Sep														
	8-Sep														
	9-Sep														
	13-Sep														
	20-Sep														
Total		21	45	261	2,947	15,753	88,786	9,069	64,109	59,756	219,954	24,638	190,693	109,477	566,489
Avg.Wt.					11.29		5.64		7.07		3.68		7.74		

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Management				Chinook		Sockeye		Coho		Pink		Chum		Total	
Unit	Date	Permits	Landings	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Eastside Kodiak District															
	14-Jun	17	17	74	763	12,307	64,481	1	8	398	1,371	2,032	15,533	14,812	82,156
	15-Jun	7	7	8	83	6,571	35,593	0	0	5	12	540	4,181	7,124	39,869
	16-Jun	Confidentiality rules prohibit the release of this information.													
	21-Jun	4	4	17	88	784	3,747	0	0	20	53	145	1,105	966	4,993
	22-Jun	Confidentiality rules prohibit the release of this information.													
	25-Jun	Confidentiality rules prohibit the release of this information.													
	26-Jun	Confidentiality rules prohibit the release of this information.													
	3-Jul	Confidentiality rules prohibit the release of this information.													
	5-Jul	Confidentiality rules prohibit the release of this information.													
	6-Jul	13	13	155	792	10,713	64,287	1,554	11,886	3,994	12,894	3,073	23,795	19,489	113,654
	7-Jul	4	4	30	331	3,854	20,973	543	3,767	641	1,815	794	6,407	5,862	33,293
	8-Jul	11	11	68	556	20,715	111,959	2,774	17,741	3,948	13,116	2,467	19,801	29,972	163,173
	9-Jul	6	6	101	996	16,146	87,343	2,916	18,162	1,880	6,242	1,469	11,215	22,512	123,958
	10-Jul	4	5	24	256	5,880	33,889	354	2,549	2,001	6,242	1,111	7,743	9,370	50,679
	11-Jul	Confidentiality rules prohibit the release of this information.													
	12-Jul	9	9	30	373	6,304	35,696	1,819	12,592	4,670	15,588	4,993	39,085	17,816	103,334
	13-Jul	5	5	20	233	3,495	18,665	994	7,694	1,742	5,614	2,432	19,832	8,683	52,038
	14-Jul	10	10	16	208	10,644	58,134	1,694	11,343	16,450	55,422	4,253	30,969	33,057	156,076
	15-Jul	13	14	14	144	23,965	129,575	3,416	24,950	37,554	125,972	4,378	34,782	69,327	315,423
	16-Jul	13	14	30	289	9,097	48,059	2,884	19,523	12,297	41,001	2,344	17,797	26,652	126,669
	17-Jul	4	4	23	213	2,779	14,198	1,644	10,899	4,407	15,266	621	4,947	9,474	45,523
	19-Jul	4	4	5	105	2,443	12,667	1,067	6,603	7,813	31,284	624	4,455	11,952	55,114
	20-Jul	5	5	8	122	1,621	7,780	506	3,659	5,611	18,170	436	3,343	8,182	33,074
	21-Jul	4	5	4	74	2,581	14,020	847	4,768	7,533	27,213	479	3,639	11,444	49,714
	22-Jul	Confidentiality rules prohibit the release of this information.													
	23-Jul	Confidentiality rules prohibit the release of this information.													
	1-Aug	Confidentiality rules prohibit the release of this information.													
	2-Aug	Confidentiality rules prohibit the release of this information.													
	7-Aug	Confidentiality rules prohibit the release of this information.													
	8-Aug	6	7	0	0	28	152	16	138	25,842	101,386	3,734	22,611	29,620	124,287

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Management				Chinook		Sockeye		Coho		Pink		Chum		Total	
Unit	Date	Permits	Landings	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Eastside Kodiak District															
(continued)	10-Aug	Confidentiality rules prohibit the release of this information.													
	12-Aug														
	13-Aug														
	17-Aug														
	20-Aug														
	21-Aug														
Total		48	169	721	6,817	146,972	796,963	24,390	167,248	192,251	671,873	51,783	389,109	416,117	2,032,010
Avg.Wt.					9.45		5.42		6.86		3.49		7.51		
Eastside Kodiak Management Plan															
Grand Total		56	214	982	9,764	162,725	885,749	33,459	231,357	252,007	891,827	76,421	579,802	525,594	2,598,499
Avg.Wt.					9.94		5.44		6.91		3.54		7.59		

APPENDIX J: NORTH AFOGNAK FISHERY SUMMARY

Appendix J1.-Narrative account of the North Afognak/Shuyak salmon fishery in the Kodiak Management Area, 2004.

INTRODUCTION

In November of 1995, the Alaska board of Fisheries (BOF) voted into regulation the North Afognak/Shuyak Island Salmon Management Plan (5 AAC 18.368) governing 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 (ADF&G 2002). This plan was first in effect during the 1996 season and has been most recently modified in January of 2002.

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 mixed pink salmon through August 24, then management switches to local pink and coho salmon stocks through September 5, then to local coho salmon after September 5. Fishing opportunities in the Shuyak Island Section are based on the abundance of local and mixed pink salmon through August 20, 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 Management Plan (5 AAC 18.363).

For the Perenosa Bay Section, from June 9 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 Terminal Harvest Area (WBTHA). Management for the Perenosa Bay Section is based on local and mixed pink salmon and Pauls and Portage Lakes sockeye salmon. From July 21 to August 20, management is based on the abundance of local and mixed pink salmon, from August 21 to September 5 on local pink and coho salmon, and after September 5 fishing opportunities are to be based on the abundance of local coho salmon.

For the Northwest Afognak Section, from June 9 to July 5 fishing opportunities are based on sockeye salmon bound to the minor systems at Thorsheim Lake (stream # 251-302) and Long Lagoon (stream # 251-301), 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 Terminal Harvest Area (FBTHA). 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 FBTHA. From July 6 to 25 the Northwest 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 9 to July 5, fishing opportunities are based on sockeye salmon returning to Pauls Bay. From July 6 to August 1, management of the Pauls Bay Section is based on local and mixed pink salmon and sockeye salmon bound for Pauls Bay. After August 1, management is based on the abundance of local coho salmon. ADF&G shall manage the Pauls Creek coho salmon escapement based on interim escapement objectives, as determined by the department.

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2004 North Afognak/Shuyak Island Fisheries

In 2004, the first commercial salmon fishing period for the North Afognak/Shuyak Island management units began June 5, and was limited to the FBTHA & WFBTHA. The FBTHA catches were low with a two-day catch of 9,381 sockeye salmon (Appendix J3.). The sockeye salmon harvest quickly tapered off and so did effort. The final FBTHA sockeye salmon harvest for the 2004 season was 19,729 sockeye salmon. The WBTHA fishery saw similar total sockeye salmon harvests (23,375; Appendix J3.). The FBTHA was within the 2004 forecast (13,000 to 72,300) but the WBTHA harvest was below the 2004 forecast (25,000 to 72,200; Table 10).

The Pauls Bay Section (5 ACC 18.368) opened on June 21 in order to harvest sockeye salmon surplus to escapement needs. Due to budget constraints, the Pauls Bay weir was not operated past June 27. Aerial surveys were used to determine interim salmon escapements after the weir was pulled. The Pauls Bay Section was opened until further notice on August 4 when it was determined that the coho salmon escapement number exceeded objectives. The final harvest in the Pauls Bay Section included 17 Chinook, 4,987 sockeye, 7,585 coho, 28,198 pink, and 65 chum salmon by caught 10 permit holders (Appendix J3.)

For the entire North Afognak/Shuyak Island management units (Northwest Afognak, Perenosa Bay, Shuyak Islands, and Northeast Afognak Sections), the last landing was on September 2. Fifty-one permit holders harvested 755,968 salmon, including 468 Chinook, 72,086 sockeye, 30,220 coho, 641,915 pink, and 11,279 chum salmon from 228 landings (Appendix J3.).

REFERENCES CITED

ADF&G (Alaska Department of Fish and Game). 2002. Regulations of the Alaska Board of Fisheries for Commercial Fishing in Alaska; 2002-2005 Chignik, and Kodiak Areas. Alaska Department of Fish and Game, Commercial Fisheries Division, Juneau.

Appendix J3.-Daily salmon harvest, by species, for the North Afognak/Shuyak Island management units, 2004.

Management Unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Northwest Afognak Section (excluding Foul Bay THA)													
	14-Jun	Confidentiality rules prohibit the release of this information.											
	15-Jun	Confidentiality rules prohibit the release of this information.											
	21-Jun	Confidentiality rules prohibit the release of this information.											
	22-Jun	Confidentiality rules prohibit the release of this information.											
	6-Jul	Confidentiality rules prohibit the release of this information.											
	7-Jul	Confidentiality rules prohibit the release of this information.											
	8-Jul	Confidentiality rules prohibit the release of this information.											
	9-Jul	4	4	75	591	3,407	19,157	191	1,587	6,254	19,278	617	5,271
	12-Jul	5	5	93	1,362	4,023	24,236	427	3,607	9,447	30,920	500	4,053
	30-Jul	Confidentiality rules prohibit the release of this information.											
	31-Jul	Confidentiality rules prohibit the release of this information.											
	1-Aug	5	5	12	122	546	3,167	582	4,860	34,107	135,887	449	3,542
	2-Aug	Confidentiality rules prohibit the release of this information.											
	3-Aug	Confidentiality rules prohibit the release of this information.											
	4-Aug	Confidentiality rules prohibit the release of this information.											
	5-Aug	Confidentiality rules prohibit the release of this information.											
	6-Aug	Confidentiality rules prohibit the release of this information.											
	7-Aug	Confidentiality rules prohibit the release of this information.											
	8-Aug	5	5	5	80	305	1,669	538	3,601	35,159	130,450	103	789
	9-Aug	Confidentiality rules prohibit the release of this information.											
	10-Aug	Confidentiality rules prohibit the release of this information.											
	11-Aug	Confidentiality rules prohibit the release of this information.											
	12-Aug	4	7	1	22	312	1,796	436	4,061	28,956	113,229	93	696
	13-Aug	5	5	2	23	378	2,225	486	3,748	39,034	152,031	88	654
	14-Aug	Confidentiality rules prohibit the release of this information.											
	15-Aug	Confidentiality rules prohibit the release of this information.											
	16-Aug	Confidentiality rules prohibit the release of this information.											
	17-Aug	Confidentiality rules prohibit the release of this information.											
	18-Aug	Confidentiality rules prohibit the release of this information.											
	20-Aug	Confidentiality rules prohibit the release of this information.											
	21-Aug	Confidentiality rules prohibit the release of this information.											
	22-Aug	Confidentiality rules prohibit the release of this information.											
	23-Aug	Confidentiality rules prohibit the release of this information.											
	24-Aug	Confidentiality rules prohibit the release of this information.											
	26-Aug	6	6	0	0	3,647	17,623	990	8,280	9,934	35,908	47	343
	27-Aug	5	5	0	0	1,304	6,064	646	5,259	13,305	49,435	11	77
	28-Aug	Confidentiality rules prohibit the release of this information.											
Total		24	99	364	3,971	21,816	119,566	9,179	76,682	511,141	1,920,635	5,062	40,262
Avg. Wt.					10.91		5.48		8.35		3.76		7.95

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Management Unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Foul Bay THA													
	5-Jun	14	14	10	155	6,951	32,564	0	0	0	0	0	0
	6-Jun	7	7	0	0	2,430	11,179	0	0	0	0	0	0
	7-Jun	4	4	3	53	1,397	6,030	0	0	0	0	0	0
	8-Jun	Confidentiality rules prohibit the release of this information.											
	9-Jun												
	10-Jun												
	11-Jun												
	12-Jun												
	13-Jun												
	14-Jun												
	16-Jun												
	17-Jun												
	22-Jun												
Total		21	44	27	394	19,729	88,686	0	0	0	0	29	216
Avg. Wt.					14.59		4.50						7.45
Pauls Bay Section													
	21-Jun	Confidentiality rules prohibit the release of this information.											
	22-Jun												
	26-Jun												
	29-Jun												
	1-Aug												
	12-Aug												
	13-Aug												
	15-Aug												
	29-Aug												
Total													
Avg. Wt.					8.29		4.25		7.60		3.15		7.55
Perenosa Bay Section (excluding Waterfall Bay THA)													
	13-Aug	Confidentiality rules prohibit the release of this information.											
	15-Aug												
	17-Aug												
	19-Aug												
Total		Confidentiality rules prohibit the release of this information.											
Avg. Wt.		--				5.22		9.12			2.98		

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Management Unit	Date	Permits	Landings	Chinook Number	Chinook Pounds	Sockeye Number	Sockeye Pounds	Coho Number	Coho Pounds	Pink Number	Pink Pounds	Chum Number	Chum Pounds
Waterfall Bay Terminal Harvest Area													
	5-Jun	Confidentiality rules prohibit the release of this information.											
	6-Jun	Confidentiality rules prohibit the release of this information.											
	7-Jun	4	4	6	83	5,352	22,590	0	0	0	0	0	0
	8-Jun	Confidentiality rules prohibit the release of this information.											
	10-Jun	Confidentiality rules prohibit the release of this information.											
	11-Jun	Confidentiality rules prohibit the release of this information.											
	12-Jun	Confidentiality rules prohibit the release of this information.											
	15-Jun	Confidentiality rules prohibit the release of this information.											
	16-Jun	Confidentiality rules prohibit the release of this information.											
	17-Jun	Confidentiality rules prohibit the release of this information.											
	18-Jun	Confidentiality rules prohibit the release of this information.											
	19-Jun	Confidentiality rules prohibit the release of this information.											
	24-Jun	Confidentiality rules prohibit the release of this information.											
Total		5	27	11	190	23,375	99,696	0	0	0	0	1	7
Avg. Wt.					17.27		4.27						7.00
Shuyak Island Section													
	16-Aug	Confidentiality rules prohibit the release of this information.											
	17-Aug	Confidentiality rules prohibit the release of this information.											
	18-Aug	Confidentiality rules prohibit the release of this information.											
	20-Aug	Confidentiality rules prohibit the release of this information.											
	21-Aug	Confidentiality rules prohibit the release of this information.											
	22-Aug	Confidentiality rules prohibit the release of this information.											
	23-Aug	Confidentiality rules prohibit the release of this information.											
	24-Aug	Confidentiality rules prohibit the release of this information.											
	2-Sep	Confidentiality rules prohibit the release of this information.											
Total		Confidentiality rules prohibit the release of this information.											
Avg. Wt.		7.63										3.23	

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Management Unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Northeast Afognak Section													
	19-Jun	Confidentiality rules prohibit the release of this information.											
	6-Jul												
	7-Jul												
	20-Jul												
	22-Jul												
	1-Aug												
	3-Aug												
	4-Aug	Confidentiality rules prohibit the release of this information.											
	13-Aug												
	14-Aug	5	5	1	17	228	1,248	160	1,525	33,763	136,414	138	1,060
	15-Aug	Confidentiality rules prohibit the release of this information.											
	16-Aug	Confidentiality rules prohibit the release of this information.											
Total		17	23	49	590	2,087	11,541	4,409	30,248	80,830	320,974	6,052	42,048
Avg. Wt.					12.04		5.53		6.86		3.97		6.95
North Afognak/ Shuyak Island Management Plan Units													
Total		51	228	468	5,286	72,086	341,219	30,220	243,302	641,915	2,408,938	11,279	83,543
Avg. Wt.					11.29		4.73		8.05		3.75		7.41

APPENDIX K: MAINLAND DISTRICT FISHERY SUMMARY

Appendix K1.-Narrative account of the Mainland salmon fishery in the Kodiak Management Area, 2004.

INTRODUCTION

The Mainland District in the Kodiak Management Area (Appendix K2) is covered under three separate regulatory management plans, two of which are allocative plans allowing the harvest of sockeye salmon considered to be non-local. The Cape Igvak Salmon Management Plan (Appendix C1; 5 AAC 18.360) covers the southernmost sections of the Mainland District from June 5 to July 25 and limits the harvest of sockeye salmon considered by regulation to be Chignik bound. The North Shelikof Strait Sockeye Salmon Management Plan (Appendix F1; 5 AAC 18.363) covers the northernmost sections of the Mainland District from July 6 to 25, and limits the harvest of sockeye salmon due to concern for interception of Cook Inlet-bound fish. The Mainland District Salmon Management Plan, 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 (ADF&G 2002: 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 Area. The exceptions are the Cape Igvak Section (managed based on the strength of the Chignik sockeye salmon 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.

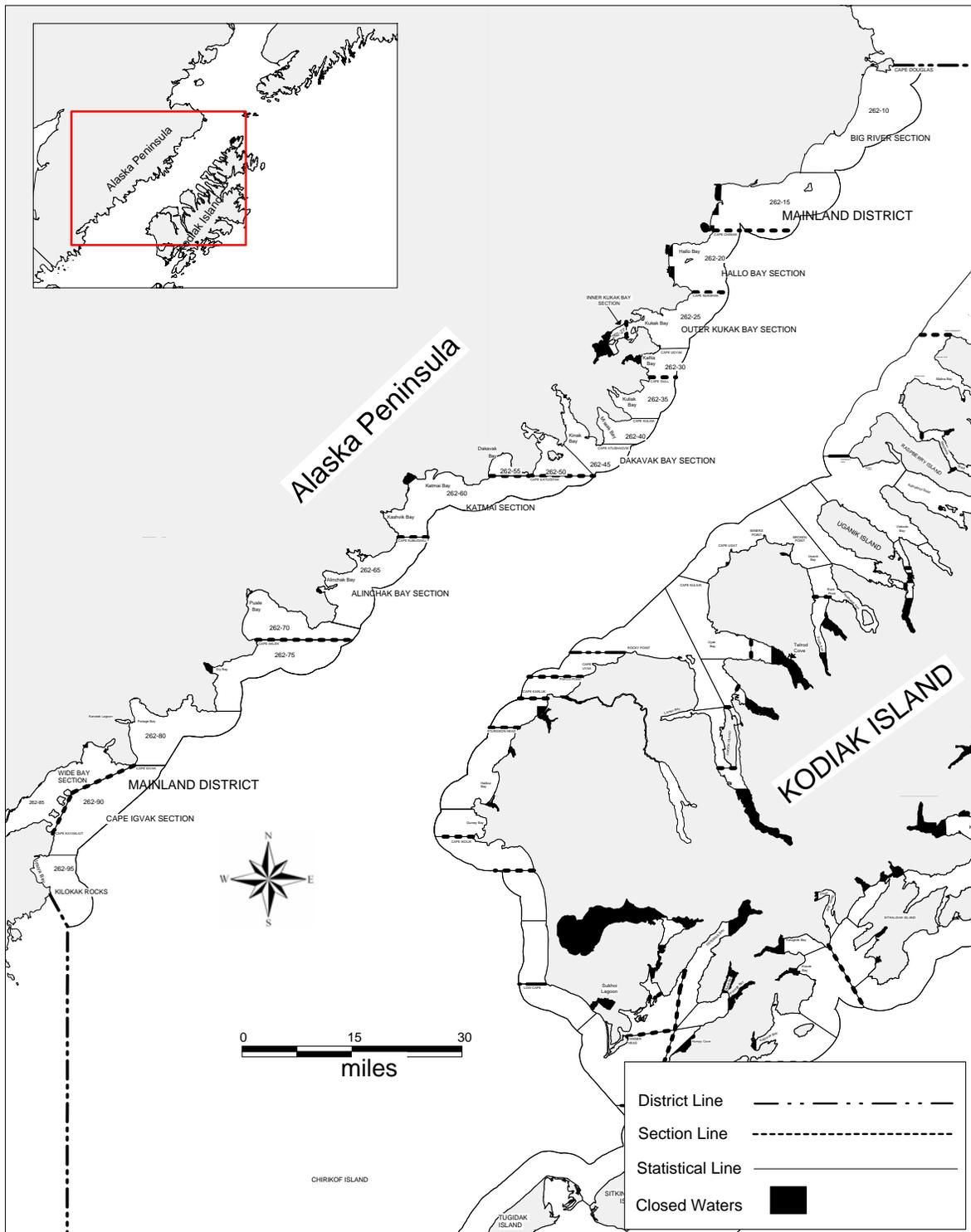
2004 Mainland District Fisheries

The Big River and Outer Kukak Section opened for two 33-hour commercial salmon fishing periods on June 14 and June 21. For sections north of the Cape Igvak Section, the first three weekly fishing periods (through July 25) were 57 hours long in 2004. The entire Mainland District opened on July 26 and remained open through October 31 which is the seasonal closing date of the KMA commercial salmon fishery. The last landing for commercial salmon from the Mainland District occurred on September 14 (Appendix K3).

The total commercial harvest from the Mainland District was 691,074 salmon, including 978 Chinook, 238,950 sockeye, 18,193 coho, 283,560 pink and 149,393 chum salmon by 53 permit holders. This includes all salmon harvested along the Mainland, including those harvested under the direction of the Cape Igvak Salmon Management Plan and the North Shelikof Strait Sockeye Salmon Management Plan.

REFERENCE CITED

ADF&G (Alaska Department of Fish and Game). 2002. Regulations of the Alaska Board of Fisheries for Commercial Fishing in Alaska; 2002-2005 Chignik, and Kodiak Areas. Alaska Department of Fish and Game, Division of Commercial Fisheries, Juneau.



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, 2004.

Management Unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Big River Section													
	27-Jul	Confidentiality rules prohibit the release of this information											
	28-Jul												
	4-Aug												
Total		Confidentiality rules prohibit the release of this information											
Avg.Wt.							5.83		6.20		4.25		7.52
Hallo Bay Section													
	27-Jul	Confidentiality rules prohibit the release of this information											
	24-Aug												
Total		Confidentiality rules prohibit the release of this information											
Avg.Wt.					0.00		0.00		0.00		3.98		9.10
Outer Kukak Section													
	4-Aug	Confidentiality rules prohibit the release of this information											
	12-Aug												
	13-Aug												
	14-Aug												
	16-Aug												
	26-Aug												
	27-Aug												
	29-Aug												
	5-Sep												
	7-Sep												
	8-Sep												
Total		6	18	0	0	23	94	5,632	42,873	14,274	69,195	37,604	329,511
Avg.Wt.							4.09		7.61		4.85		8.76

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Management				Chinook		Sockeye		Coho		Pink		Chum	
Unit	Date	Permits	Landings	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Inner Kukak Section													
	1-Aug	Confidentiality rules prohibit the release of this information											
	15-Aug												
	26-Aug												
	27-Aug												
	28-Aug												
	10-Sep												
	14-Sep												
Total		6	13	0	0	8	42	5,130	41,809	20,105	67,448	32,935	285,807
Avg. Wt.							5.25		8.15		3.35		8.68
Dakavak Section													
	6-Jul	Confidentiality rules prohibit the release of this information											
	7-Jul	5	5	65	1,399	1,040	6,073	0	0	263	808	792	4,564
	8-Jul	Confidentiality rules prohibit the release of this information											
	12-Jul	Confidentiality rules prohibit the release of this information											
	13-Jul	5	5	13	149	10,665	55,700	40	205	3,332	12,175	2,454	17,090
	14-Jul	Confidentiality rules prohibit the release of this information											
	15-Jul	Confidentiality rules prohibit the release of this information											
	19-Jul	15	15	38	738	8,620	43,704	548	4,254	7,759	30,989	2,216	15,917
	20-Jul	5	5	35	507	2,223	10,541	480	3,136	1,966	6,346	1,333	5,791
	21-Jul	9	9	21	535	7,895	51,251	1,407	9,543	4,795	19,994	1,448	12,731
	26-Jul	4	4	24	466	907	4,474	237	1,691	8,495	31,889	700	5,257
	27-Jul	4	4	11	230	335	1,912	1,296	7,468	4,715	18,971	1,165	7,481
	9-Aug	Confidentiality rules prohibit the release of this information											
	10-Aug												
	13-Aug												
	19-Aug												
	23-Aug												
Total		28	61	320	5,670	44,883	245,106	4,613	30,123	48,828	187,945	23,688	188,126
Avg. Wt.					17.72		5.46		6.53		3.85		7.94

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Management Unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Katmai Section													
	6-Jul												
	7-Jul												
	14-Jul												
	19-Jul												
	20-Jul												
	3-Aug												
Confidentiality rules prohibit the release of this information													
Total		6	8	43	729	7,043	39,845	1,269	9,885	17,173	56,123	4,381	32,791
Avg.Wt.					16.95		5.66		7.79		3.27		7.48

Alinchak Section													
	6-Jul												
	19-Jul												
	20-Jul												
	21-Jul												
	26-Jul												
	31-Jul												
	3-Aug												
	6-Aug												
	7-Aug												
	8-Aug												
	12-Aug												
Confidentiality rules prohibit the release of this information													
Total		6	16	4	37	898	4,523	57	504	161,831	547,706	31,008	257,350
Avg.Wt.					9.25		5.04		8.84		3.38		8.30

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Management Unit	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Cape Igvak Section													
	9-Jun	10	10	64	1,137	17,114	86,463	0	0	1,401	2,237	3,226	31,063
	10-Jun	9	10	35	562	10,664	54,292	0	0	690	1,381	2,769	23,628
	16-Jun	8	8	35	363	8,906	45,828	0	0	169	274	400	2,967
	17-Jun	14	16	27	392	17,612	88,982	0	0	557	1,421	963	8,059
	18-Jun	10	12	36	514	16,244	84,198	0	0	725	1,652	528	3,991
	19-Jun	19	21	50	736	37,297	209,551	0	0	1,032	2,512	1,691	12,946
	20-Jun	21	23	226	2,412	25,836	148,827	0	0	1,703	3,539	1,259	10,431
	21-Jun	17	17	91	913	21,572	123,548	0	0	797	2,498	1,946	15,932
	22-Jun	18	18	46	649	17,543	103,692	4	29	2,574	5,673	1,786	13,285
	23-Jun	6	6	1	22	5,729	31,200	0	0	741	1,481	412	3,575
Total		37	141	611	7,700	178,517	976,581	4	29	10,389	22,668	14,980	125,877
Avg.Wt.					12.60		5.47		7.25		2.18		8.40
Wide Bay Section													
Total		0	0	0	0	0	0	0	0	0	0	0	0
Mainland District													
Grand Total		53	263	978	14,136	238,950	1,308,544	18,193	134,493	283,560	996,421	149,393	1,254,543
Avg.Wt.					14.45		5.48		7.39		3.51		8.40

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, 2004.

Section (Stat Area)	Stat Week/ Week End	Chinook			Sockeye			Coho			Pink			Chum		
		#	Lbs.	Avg.	#	Lbs.	Avg.	#	Lbs.	Avg.	#	Lbs.	Avg.	#	Lbs.	Avg.
S.W.Afognak	24 13-Jun	535	4,416	8.3	25,881	125,269	4.8	0	0	0.0	29	134	4.6	1,991	14,930	7.5
& Raspberry Straits	25 20-Jun	465	3,380	7.3	7,554	35,702	4.7	0	0	0.0	124	410	3.3	6,690	53,460	8.0
(Combined)	26 27-Jun	4,136	32,422	7.8	33,243	162,727	4.9	0	0	0.0	3,854	13,237	3.4	14,940	122,987	8.2
(251-10,11,20)	27 4-Jul	1,355	10,576	7.8	3,666	18,995	5.2	15	109	7.3	1,538	5,515	3.6	1,722	14,498	8.4
	28 11-Jul	2,358	19,063	8.1	14,328	76,616	5.3	1,946	13,403	6.9	20,719	72,783	3.5	9,738	81,388	8.4
	29 18-Jul	268	2,566	9.6	4,465	26,074	5.8	1,715	13,160	7.7	19,349	69,423	3.6	977	8,102	8.3
	30 25-Jul	682	8,206	12.0	5,749	32,330	5.6	4,087	35,302	8.6	164,560	611,212	3.7	8,497	61,831	7.3
	31 1-Aug	630	7,388	11.7	10,104	53,592	5.3	5,871	47,056	8.0	231,460	856,293	3.7	6,800	54,577	8.0
	32 8-Aug	237	2,554	10.8	10,847	64,953	6.0	4,797	40,550	8.5	464,549	1,821,167	3.9	4,210	34,889	8.3
	33 15-Aug	45	814	18.1	9,021	48,701	5.4	6,296	45,175	7.2	372,605	1,382,262	3.7	2,837	21,511	7.6
	34 22-Aug	17	290	17.1	11,487	57,069	5.0	4,889	44,517	9.1	365,119	1,187,782	3.3	904	7,740	8.6
	35 29-Aug	3	41	13.7	7,513	38,829	5.2	3,071	24,533	8.0	124,602	459,100	3.7	245	1,862	7.6
	36 5-Sep	0	0	0.0	1,108	5,983	5.4	736	5,818	7.9	3,188	12,114	3.8	50	309	6.2
	38 19-Sep	0	0	0.0	0	0	0.0	288	2,280	7.9	0	0	0.0	0	0	0.0
	Total	10,731	91,716	8.5	144,966	746,840	5.2	33,711	271,903	8.1	1,771,696	6,491,432	3.7	59,601	478,084	8.0
N.W.Afognak	23 7-Jun	10	155	15.5	6,951	32,564	4.7	0	0	0.0	0	0	0.0	0	0	0.0
(251-30,40,41,50)	24 13-Jun	15	222	14.8	10,027	44,499	4.4	0	0	0.0	0	0	0.0	4	28	7.0
	25 20-Jun	0	0	0.0	3,171	13,925	4.4	0	0	0.0	0	0	0.0	0	0	0.0
	26 27-Jun	9	69	7.7	1,015	4,152	4.1	0	0	0.0	0	0	0.0	54	402	7.4
	28 11-Jul	175	1,326	7.6	5,685	31,978	5.6	249	2,064	8.3	11,407	35,708	3.1	2,506	20,440	8.2
	29 18-Jul	93	1,362	14.6	4,023	24,236	6.0	427	3,607	8.4	9,447	30,920	3.3	500	4,053	8.1
	31 1-Aug	43	592	13.8	742	3,893	5.2	770	5,879	7.6	46,844	169,802	3.6	294	2,197	7.5
	32 8-Aug	31	393	12.7	1,649	9,988	6.1	1,820	14,717	8.1	130,196	514,955	4.0	928	7,298	7.9
	33 15-Aug	14	214	15.3	1,542	9,279	6.0	2,591	21,412	8.3	185,762	703,760	3.8	575	4,401	7.7
	34 22-Aug	1	32	32.0	1,097	6,287	5.7	1,111	10,474	9.4	77,003	280,180	3.6	134	930	6.9
	35 29-Aug	0	0	0.0	5,643	27,451	4.9	2,211	18,529	8.4	50,482	185,310	3.7	96	729	7.6
	Total	391	4,365	11.2	41,545	208,252	5.0	9,179	76,682	8.4	511,141	1,920,635	3.8	5,091	40,478	8.0
Shuyak	34 22-Aug	0	0	0.0	0	0	0.0	2,349	18,521	7.9	320	1,052	3.3	0	0	0.0
(251-60,70,81)	35 29-Aug	0	0	0.0	0	0	0.0	1,203	8,679	7.2	121	374	3.1	0	0	0.0
	36 5-Sep	0	0	0.0	0	0	0.0	393	2,896	7.4	0	0	0.0	0	0	0.0
	Total	0	0	0.0	0	0	0.0	3,945	30,096	7.6	441	1,426	3.2	0	0	0.0
Perenosa	23 7-Jun	0	0	0.0	4,631	18,825	4.1	0	0	0.0	0	0	0.0	0	0	0.0
(251-82,83,84,85)	24 13-Jun	11	190	17.3	13,807	59,807	4.3	0	0	0.0	0	0	0.0	0	0	0.0
	25 20-Jun	0	0	0.0	4,639	19,807	4.3	0	0	0.0	0	0	0.0	0	0	0.0
	26 27-Jun	17	141	8.3	4,870	20,645	4.2	0	0	0.0	5	26	5.2	46	353	7.7
	27 4-Jul	0	0	0.0	355	1,492	4.2	0	0	0.0	0	0	0.0	0	0	0.0
	32 8-Aug	0	0	0.0	0	0	0.0	24	234	9.8	0	0	0.0	1	10	10.0
	33 15-Aug	0	0	0.0	67	421	6.3	6,097	52,383	8.6	21,687	81,602	3.8	77	572	7.4
	34 22-Aug	0	0	0.0	84	424	5.0	6,500	53,050	8.2	27,200	82,004	3.0	12	82	6.8
	36 5-Sep	0	0	0.0	1	5	5.0	66	609	9.2	611	2,271	3.7	0	0	0.0
	Total	28	331	11.8	28,454	121,426	4.3	12,687	106,276	8.4	49,503	165,903	3.4	136	1,017	7.5

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Section (Stat Area)	Stat Week/ Week End		Chinook			Sockeye			Coho			Pink			Chum			
			#	Lbs.	Avg.	#	Lbs.	Avg.	#	Lbs.	Avg.	#	Lbs.	Avg.	#	Lbs.	Avg.	
N.E. Afognak (251-90,252-10,20)	25	20-Jun	20	314	15.7	776	4,350	5.6	0	0	0.0	0	0	0.0	33	305	9.2	
	28	11-Jul	28	259	9.3	285	1,478	5.2	786	3,080	3.9	1,047	3,201	3.1	4,940	33,822	6.8	
	30	25-Jul	0	0	0.0	538	2,970	5.5	1,817	11,057	6.1	4,506	20,284	4.5	449	3,057	6.8	
	32	8-Aug	0	0	0.0	85	474	5.6	147	1,233	8.4	15,392	59,333	3.9	294	2,338	8.0	
	33	15-Aug	1	17	17.0	274	1,521	5.6	291	2,575	8.8	40,027	160,594	4.0	222	1,680	7.6	
	34	22-Aug	0	0	0.0	129	748	5.8	1,368	12,303	9.0	19,858	77,562	3.9	114	846	7.4	
	Total		49	590	12.0	2,087	11,541	5.5	4,409	30,248	6.9	80,830	320,974	4.0	6,052	42,048	6.9	
Izhut (252-30)	25	20-Jun	66	718	10.9	484	2,282	4.7	1	6	6.0	16	44	2.8	14,398	101,569	7.1	
	26	27-Jun	152	1,400	9.2	886	4,458	5.0	45	299	6.6	143	459	3.2	43,373	324,599	7.5	
	27	4-Jul	33	306	9.3	348	1,867	5.4	187	1,229	6.6	328	1,193	3.6	43,269	298,530	6.9	
	28	11-Jul	3	57	19.0	865	4,610	5.3	288	1,998	6.9	486	1,659	3.4	20,930	142,214	6.8	
	31	1-Aug	1	32	32.0	610	3,843	6.3	5,438	23,003	4.2	73,584	261,131	3.5	1,987	13,942	7.0	
	32	8-Aug	0	0	0.0	12	64	5.3	83	762	9.2	51,466	166,386	3.2	360	2,386	6.6	
	34	22-Aug	0	0	0.0	137	696	5.1	9,063	63,312	7.0	136,328	496,420	3.6	76	607	8.0	
	35	29-Aug	2	20	10.0	100	612	6.1	22,589	180,182	8.0	172,660	635,039	3.7	3,099	22,903	7.4	
	36	5-Sep	0	0	0.0	42	261	6.2	9,314	84,763	9.1	100,815	359,420	3.6	3	23	7.7	
	37	12-Sep	0	0	0.0	8	40	5.0	6,568	53,857	8.2	25,215	91,800	3.6	1	6	6.0	
	38	19-Sep	0	0	0.0	0	0	0.0	595	4,866	8.2	92	326	3.5	0	0	0.0	
		Total		257	2,533	9.9	3,492	18,733	5.4	54,171	414,277	7.6	561,133	2,013,877	3.6	127,496	906,779	7.1
	Kitoi Bay (252-32)	24	13-Jun	63	721	11.4	26	124	4.8	0	0	0.0	0	0	0.0	4,194	33,642	8.0
25		20-Jun	84	673	8.0	441	2,161	4.9	0	0	0.0	8	23	2.9	13,956	106,676	7.6	
26		27-Jun	54	583	10.8	724	2,980	4.1	2	8	4.0	37	78	2.1	15,172	110,970	7.3	
27		4-Jul	4	53	13.3	190	1,055	5.6	90	712	7.9	158	381	2.4	9,870	66,487	6.7	
31		1-Aug	0	0	0.0	40	211	5.3	45	239	5.3	32,188	107,151	3.3	3,281	24,439	7.4	
32		8-Aug	0	0	0.0	5	31	6.2	19	152	8.0	317,511	1,186,743	3.7	279	1,354	4.9	
33		15-Aug	0	0	0.0	0	0	0.0	0	0	0.0	1,202,286	4,421,269	3.7	30	206	6.9	
34		22-Aug	0	0	0.0	0	0	0.0	0	0	0.0	372,737	1,329,978	3.6	5	34	6.8	
35		29-Aug	0	0	0.0	1	8	8.0	2,702	23,116	8.6	29,807	116,827	3.9	1	5	5.0	
36		5-Sep	0	0	0.0	9	65	7.2	1,509	12,238	8.1	11,660	45,927	3.9	4	25	6.3	
37		12-Sep	0	0	0.0	0	0	0.0	214	1,754	8.2	2,388	9,314	3.9	0	0	0.0	
		Total		205	2,030	9.9	1,436	6,635	4.6	4,581	38,219	8.3	1,968,780	7,217,691	3.7	46,792	343,838	7.3
Duck Bay (252-31)		23	6-Jun	90	1,407	15.6	0	0	0.0	0	0	0.0	0	0	0.0	100	748	7.5
	24	13-Jun	4	55	13.8	761	3,201	4.2	0	0	0.0	9	25	2.8	279	2,198	7.9	
	25	20-Jun	5	53	10.6	1,873	8,986	4.8	0	0	0.0	75	199	2.7	1,795	12,972	7.2	
	26	27-Jun	81	765	9.4	1,189	6,094	5.1	64	392	6.1	452	2,638	5.8	8,247	60,836	7.4	
	27	4-Jul	92	834	9.1	1,348	7,303	5.4	473	4,435	9.4	756	2,973	3.9	15,981	112,986	7.1	
	28	11-Jul	29	620	21.4	3,377	19,217	5.7	1,918	13,080	6.8	3,676	12,203	3.3	10,255	71,469	7.0	
	29	18-Jul	51	377	7.4	10,656	62,836	5.9	4,429	32,348	7.3	51,646	175,523	3.4	7,147	49,936	7.0	
	30	25-Jul	25	481	19.2	9,263	51,860	5.6	5,510	41,098	7.5	133,229	500,479	3.8	9,830	70,252	7.1	
	31	1-Aug	40	788	19.7	1,705	9,301	5.5	4,506	30,081	6.7	213,414	833,711	3.9	4,534	30,877	6.8	
	32	8-Aug	48	1,036	21.6	1,061	5,625	5.3	5,489	41,321	7.5	260,252	978,653	3.8	1,681	12,669	7.5	
	34	22-Aug	360	3,615	10.0	1,339	6,942	5.2	17,232	142,609	8.3	415,860	1,583,494	3.8	4,113	19,282	4.7	
	35	29-Aug	2	36	18.0	560	2,850	5.1	15,757	137,097	8.7	217,377	797,483	3.7	1,353	4,946	3.7	
	36	5-Sep	0	0	0.0	74	401	5.4	10,054	85,085	8.5	117,202	441,163	3.8	7	44	6.3	
	37	12-Sep	0	0	0.0	17	87	5.1	2,693	21,328	7.9	18,280	42,726	2.3	0	0	0.0	
38	19-Sep	0	0	0.0	0	0	0.0	1,392	11,053	7.9	280	810	2.9	0	0	0.0		
	Total		827	10,067	12.2	33,223	184,703	5.6	69,517	559,927	8.1	1,432,508	5,372,080	3.8	65,322	449,215	6.9	

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Section (Stat Area)	Stat Week/ Week End	Chinook			Sockeye			Coho			Pink			Chum		
		#	Lbs.	Avg.	#	Lbs.	Avg.	#	Lbs.	Avg.	#	Lbs.	Avg.	#	Lbs.	Avg.
S.E.Afognak (252-33,34,35)	33 15-Aug	0	0	0.0	173	825	4.8	842	6,523	7.7	20,608	76,146	3.7	64	446	7.0
	34 22-Aug	0	0	0.0	145	690	4.8	1,169	10,027	8.6	32,077	110,379	3.4	77	594	7.7
	35 29-Aug	0	0	0.0	248	1,371	5.5	1,879	15,586	8.3	47,250	188,729	4.0	44	302	6.9
	Total	0	0	0.0	566	2,886	5.1	3,890	32,136	8.3	99,935	375,254	3.8	185	1,342	7.3
Central, Terror Bay, Inner Uganik, Spiridon, Zachar, & Uyak Comb. (253-11,12,13,14,31 32,33,35,254-10,20, 30,40,50)	23 6-Jun	157	1,674	10.7	20,485	98,451	4.8	0	0	0.0	0	0	0.0	572	3,406	6.0
	24 13-Jun	818	8,232	10.1	144,072	730,125	5.1	0	0	0.0	23	77	3.3	5,511	39,365	7.1
	25 20-Jun	1,075	11,042	10.3	136,293	711,020	5.2	9	60	6.7	252	853	3.4	5,464	39,918	7.3
	26 27-Jun	2,534	24,471	9.7	224,991	1,233,002	5.5	51	360	7.1	3,940	13,469	3.4	21,143	172,549	8.2
	27 4-Jul	800	8,645	10.8	90,702	520,317	5.7	133	919	6.9	6,473	23,481	3.6	11,654	92,233	7.9
	28 11-Jul	1,426	16,191	11.4	245,454	1,378,627	5.6	4,148	30,373	7.3	212,226	711,118	3.4	79,091	643,321	8.1
	29 18-Jul	279	3,870	13.9	128,876	746,245	5.8	7,397	54,698	7.4	195,477	721,359	3.7	28,296	222,275	7.9
	30 25-Jul	595	9,811	16.5	104,472	577,473	5.5	15,715	107,621	6.8	922,586	3,453,222	3.7	85,568	675,947	7.9
	31 1-Aug	797	12,968	16.3	133,350	737,679	5.5	26,050	170,164	6.5	1,721,365	6,393,906	3.7	90,637	706,653	7.8
	32 8-Aug	611	11,393	18.6	84,916	467,016	5.5	26,778	205,796	7.7	2,105,280	7,816,855	3.7	55,657	431,735	7.8
	33 15-Aug	300	4,686	15.6	63,452	350,545	5.5	20,958	167,492	8.0	1,285,929	4,751,094	3.7	37,527	296,018	7.9
	34 22-Aug	106	1,840	17.4	73,686	407,000	5.5	22,084	179,347	8.1	1,351,004	4,810,092	3.6	20,880	164,250	7.9
	35 29-Aug	99	1,096	11.1	52,342	291,250	5.6	11,832	97,695	8.3	307,151	1,024,262	3.3	4,825	36,663	7.6
36 5-Sep	83	1,163	14.0	45,018	250,286	5.6	12,421	105,668	8.5	219,906	771,967	3.5	1,983	14,805	7.5	
Total		9,680	117,082	12.1	1,548,109	8,499,036	5.5	147,576	1,120,193	7.6	8,331,612	30,491,755	3.7	448,808	3,539,138	7.9
North Cape, Anton Larsen, Sheratin, & Kizuyak Comb. (259-35,36,37,38,39)	23 6-Jun	1	20	20.0	1,122	5,433	4.8	0	0	0.0	5	10	2.0	83	536	6.5
	24 13-Jun	75	1,180	15.7	12,946	61,838	4.8	0	0	0.0	207	615	3.0	840	6,344	7.6
	25 20-Jun	59	638	10.8	16,272	85,290	5.2	0	0	0.0	848	2,607	3.1	1,866	13,950	7.5
	26 27-Jun	26	418	16.1	4,576	22,679	5.0	0	0	0.0	115	459	4.0	288	2,047	7.1
	27 4-Jul	24	397	16.5	5,350	25,832	4.8	640	4,918	7.7	2,356	8,005	3.4	1,787	11,899	6.7
	28 11-Jul	33	562	17.0	9,573	58,577	6.1	0	0	0.0	4,497	18,297	4.1	1,426	9,785	6.9
	29 18-Jul	46	622	13.5	10,996	67,811	6.2	2,171	16,455	7.6	32,990	126,655	3.8	3,729	27,840	7.5
	30 25-Jul	53	855	16.1	7,590	44,307	5.8	5,226	34,908	6.7	82,955	336,685	4.1	7,020	50,914	7.3
	31 1-Aug	36	538	14.9	3,755	20,315	5.4	3,973	28,245	7.1	124,788	497,438	4.0	6,464	47,453	7.3
	32 8-Aug	3	55	18.3	978	5,203	5.3	1,557	11,577	7.4	37,781	151,801	4.0	1,738	13,112	7.5
	33 15-Aug	26	387	14.9	2,468	13,373	5.4	5,183	42,798	8.3	86,995	359,798	4.1	2,896	21,549	7.4
	34 22-Aug	1	12	12.0	275	1,489	5.4	291	2,280	7.8	284	1,278	4.5	69	452	6.6
	35 29-Aug	0	0	0.0	86	445	5.2	121	980	8.1	112	456	4.1	25	174	7.0
Total		383	5,684	14.8	75,987	412,592	5.4	19,162	142,161	7.4	373,933	1,504,104	4.0	28,231	206,055	7.3
Outer Karluk (255-20)	24 13-Jun	355	5,738	16.2	34,897	181,211	5.2	0	0	0.0	2	5	2.5	1,611	12,448	7.7
	25 20-Jun	94	1,631	17.4	21,326	101,551	4.8	0	0	0.0	1	4	4.0	730	5,514	7.6
	26 27-Jun	274	4,170	15.2	26,689	133,710	5.0	2	14	7.0	121	335	2.8	1,451	12,233	8.4
	27 4-Jul	3	72	24.0	631	2,965	4.7	0	0	0.0	6	18	3.0	78	659	8.4
	29 18-Jul	6	80	13.3	2,354	12,735	5.4	25	170	6.8	3,841	14,743	3.8	74	594	8.0
	30 25-Jul	30	562	18.7	9,293	51,958	5.6	1,483	10,905	7.4	129,021	456,808	3.5	858	6,953	8.1
	31 1-Aug	97	1,929	19.9	36,251	195,250	5.4	2,572	20,338	7.9	545,357	1,978,459	3.6	12,915	64,249	5.0
	32 8-Aug	97	1,690	17.4	17,674	91,881	5.2	5,509	45,429	8.2	418,437	1,480,292	3.5	3,133	16,056	5.1
	33 15-Aug	68	1,099	16.2	31,459	166,880	5.3	13,456	69,861	5.2	803,334	2,882,158	3.6	2,397	19,508	8.1
	34 22-Aug	5	85	17.0	19,410	106,201	5.5	3,289	27,160	8.3	281,115	1,066,121	3.8	625	5,087	8.1
35 29-Aug	12	194	16.2	16,195	88,708	5.5	3,236	28,069	8.7	103,934	365,322	3.5	194	1,523	7.9	
Total		1,041	17,250	16.6	216,179	1,133,050	5.2	29,572	201,946	6.8	2,285,169	8,244,265	3.6	24,066	144,824	6.0

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Section (Stat Area)	Stat Week/ Week End		Chinook			Sockeye			Coho			Pink			Chum		
			#	Lbs.	Avg.	#	Lbs.	Avg.	#	Lbs.	Avg.	#	Lbs.	Avg.	#	Lbs.	Avg.
Inner Karluk (255-20)	24	13-Jun	414	6,109	14.8	36,882	168,677	4.6	0	0	0.0	9	26	2.9	2,590	19,557	7.6
	25	20-Jun	754	8,563	11.4	15,233	79,339	5.2	0	0	0.0	0	0	0.0	470	3,296	7.0
	26	27-Jun	349	5,239	15.0	8,659	44,415	5.1	0	0	0.0	26	66	2.5	308	2,450	8.0
	27	4-Jul	0	0	0.0	142	852	6.0	0	0	0.0	0	0	0.0	0	0	0.0
	Total		1,517	19,911	13.1	60,916	293,283	4.8	0	0	0.0	35	92	2.6	3,368	25,303	7.5
Sturgeon (256-40)	29	18-Jul	0	0	0.0	1,238	6,562	5.3	26	260	10.0	4,965	16,712	3.4	50	450	9.0
	30	25-Jul	4	86	21.5	1,126	7,551	6.7	127	874	6.9	8,239	33,058	4.0	86	751	8.7
	31	1-Aug	2	44	22.0	1,033	5,268	5.1	103	748	7.3	56,388	206,657	3.7	69	476	6.9
	32	8-Aug	34	683	20.1	5,661	28,854	5.1	1,941	15,843	8.2	360,617	1,218,134	3.4	244	1,898	7.8
	33	15-Aug	9	187	20.8	13,494	75,077	5.6	1,329	10,744	8.1	318,444	1,140,110	3.6	390	2,972	7.6
	34	22-Aug	1	25	25.0	12,768	69,330	5.4	1,288	10,379	8.1	172,725	663,917	3.8	281	2,043	7.3
	Total		50	1,025	20.5	35,320	192,642	5.5	4,814	38,848	8.1	921,378	3,278,588	3.6	1,120	8,590	7.7
Halibut Bay (256-25,30)	26	27-Jun	90	1,319	14.7	38,081	184,250	4.8	0	0	0.0	1,311	2,792	2.1	1,245	9,751	7.8
	27	4-Jul	63	896	14.2	27,585	144,952	5.3	0	0	0.0	2,885	6,624	2.3	2,793	19,058	6.8
	28	11-Jul	45	858	19.1	12,260	62,081	5.1	12	80	6.7	3,373	9,618	2.9	1,051	7,863	7.5
	29	18-Jul	44	818	18.6	61,777	302,448	4.9	354	2,378	6.7	47,362	151,219	3.2	3,326	24,608	7.4
	30	25-Jul	3	44	14.7	2,517	14,744	5.9	230	1,748	7.6	6,222	20,582	3.3	615	4,740	7.7
	33	15-Aug	12	286	23.8	32,135	182,030	5.7	3,642	28,357	7.8	333,244	1,181,867	3.5	387	2,949	7.6
	34	22-Aug	14	258	18.4	40,153	231,493	5.8	6,666	56,524	8.5	333,745	1,275,460	3.8	13,489	60,691	4.5
	35	29-Aug	8	153	19.1	12,576	63,327	5.0	1,532	12,885	8.4	65,101	211,904	3.3	105	782	7.4
	Total		279	4,632	16.6	227,084	1,185,325	5.2	12,436	101,972	8.2	793,243	2,860,066	3.6	23,011	130,442	5.7
	Inner & Outer Ayakulik (256-10,15,20)	27	4-Jul	102	1,163	11.4	59,291	322,824	5.4	88	692	7.9	12,909	40,364	3.1	9,603	80,692
28		11-Jul	56	719	12.8	71,625	370,166	5.2	89	675	7.6	24,665	69,682	2.8	8,361	62,334	7.5
33		15-Aug	0	0	0.0	2,517	11,899	4.7	160	1,189	7.4	65,516	236,604	3.6	37	247	6.7
34		22-Aug	2	18	9.0	1,953	10,429	5.3	535	3,780	7.1	58,616	204,905	3.5	39	282	7.2
35		29-Aug	0	0	0.0	15,719	82,051	5.2	828	7,005	8.5	82,876	274,559	3.3	109	880	8.1
36		5-Sep	0	0	0.0	22,547	121,865	5.4	4,336	31,792	7.3	58,633	201,832	3.4	133	1,020	7.7
37		12-Sep	0	0	0.0	3,647	20,632	5.7	5,193	47,255	9.1	243	894	3.7	23	146	6.3
38		19-Sep	0	0	0.0	0	0	0.0	1,300	8,275	6.4	0	0	0.0	0	0	0.0
Total		160	1,900	11.9	177,299	939,866	5.3	12,529	100,663	8.0	303,458	1,028,840	3.4	18,305	145,601	8.0	
Cape Alitak (257-10&20)	24	13-Jun	330	5,449	16.5	52,379	260,432	5.0	0	0	0.0	53	119	2.2	1,101	9,942	9.0
	25	20-Jun	187	3,451	18.5	44,041	210,629	4.8	0	0	0.0	45	136	3.0	1,300	9,688	7.5
	26	27-Jun	183	3,259	17.8	67,408	307,643	4.6	0	0	0.0	401	1,174	2.9	2,811	19,593	7.0
	27	4-Jul	57	979	17.2	51,336	243,421	4.7	5	34	6.8	827	2,452	3.0	2,188	16,000	7.3
	28	11-Jul	88	1,813	20.6	22,212	117,631	5.3	87	614	7.1	11,260	33,846	3.0	1,555	11,643	7.5
	29	18-Jul	37	779	21.1	26,633	135,149	5.1	319	2,274	7.1	37,227	112,878	3.0	1,850	14,509	7.8
	30	25-Jul	77	1,827	23.7	25,456	126,613	5.0	1,284	5,244	4.1	67,403	204,074	3.0	2,248	16,728	7.4
	31	1-Aug	151	3,320	22.0	32,680	171,574	5.3	446	3,596	8.1	263,566	914,466	3.5	2,721	20,349	7.5
	32	8-Aug	44	1,042	23.7	23,489	112,116	4.8	445	4,019	9.0	157,076	526,355	3.4	522	4,230	8.1
	33	15-Aug	35	699	20.0	35,576	167,379	4.7	544	5,179	9.5	262,004	847,350	3.2	560	4,377	7.8
	34	22-Aug	21	402	19.1	13,204	67,537	5.1	552	5,636	10.2	106,434	326,880	3.1	467	3,500	7.5
	35	29-Aug	0	0	0.0	325	1,632	5.0	183	1,493	8.2	2,812	8,439	3.0	32	266	8.3
	36	5-Sep	2	37	18.5	10,369	53,443	5.2	1,795	14,710	8.2	15,969	50,951	3.2	222	1,744	7.9
	37	12-Sep	0	0	0.0	501	2,734	5.5	812	6,866	8.5	0	0	0.0	19	150	7.9
Total		1,212	23,057	19.0	405,609	1,977,933	4.9	6,472	49,665	7.7	925,077	3,029,120	3.3	17,596	132,719	7.5	

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Section (Stat Area)	Stat Week/ Week End	Chinook			Sockeye			Coho			Pink			Chum			
		#	Lbs.	Avg.	#	Lbs.	Avg.	#	Lbs.	Avg.	#	Lbs.	Avg.	#	Lbs.	Avg.	
Moser/Olga Bay & Dog Salmon Flats (257-30,31,40,41,42,43)	23	6-Jun	1	25	25.0	16,041	75,864	4.7	0	0	0.0	0	0	0.0	0	16	8.0
	24	13-Jun	8	122	15.3	84,571	398,787	4.7	0	0	0.0	0	0	0.0	46	358	7.8
	25	20-Jun	17	318	18.7	64,130	312,024	4.9	0	0	0.0	4	13	3.3	405	3,316	8.2
	26	27-Jun	11	175	15.9	66,021	323,897	4.9	2	11	5.5	20	63	3.2	1,167	9,277	7.9
	27	4-Jul	4	51	12.8	63,819	321,868	5.0	16	98	6.1	209	731	3.5	1,730	14,320	8.3
	28	11-Jul	2	24	12.0	50,101	250,120	5.0	328	1,745	5.3	1,049	3,801	3.6	2,900	24,520	8.5
	29	18-Jul	5	30	6.0	51,414	263,426	5.1	91	558	6.1	5,219	19,324	3.7	3,068	24,979	8.1
	30	25-Jul	1	26	26.0	37,258	191,497	5.1	155	870	5.6	13,897	53,758	3.9	1,354	11,036	8.2
	31	1-Aug	0	0	0.0	36,531	195,340	5.3	88	639	7.3	58,189	238,126	4.1	1,011	8,127	8.0
	32	8-Aug	3	44	14.7	47,503	259,163	5.5	748	4,550	6.1	89,801	357,863	4.0	654	5,196	7.9
	33	15-Aug	0	0	0.0	30,430	166,498	5.5	374	3,252	8.7	76,263	296,766	3.9	572	4,696	8.2
	34	22-Aug	2	37	18.5	34,153	189,309	5.5	628	5,767	9.2	58,541	230,151	3.9	719	4,935	6.9
	35	29-Aug	2	23	11.5	23,731	128,804	5.4	1,526	14,211	9.3	21,519	85,060	4.0	573	4,611	8.0
	36	5-Sep	2	12	6.0	70,471	383,557	5.4	2,788	27,482	9.9	18,418	72,140	3.9	674	5,412	8.0
37	12-Sep	0	0	0.0	26,262	146,305	5.6	1,552	14,614	9.4	1,731	6,688	3.9	347	2,525	7.3	
38	19-Sep	0	0	0.0	5,975	34,188	5.7	235	2,184	9.3	1	3	3.0	22	153	7.0	
	Total		58	887	15.3	708,411	3,640,647	5.1	8,531	75,981	8.9	344,861	1,364,487	4.0	15,244	123,477	8.1
Humpy/Deadman (257-50,60,70)	24	13-Jun	1	15	15.0	4,124	18,768	4.6	0	0	0.0	0	0	0.0	114	823	7.2
	26	27-Jun	19	251	13.2	9,031	41,783	4.6	0	0	0.0	58	156	2.7	580	4,082	7.0
	27	4-Jul	0	0	0.0	270	1,165	4.3	0	0	0.0	0	0	0.0	19	153	8.1
	28	11-Jul	13	189	14.5	11,278	57,401	5.1	75	662	8.8	3,444	10,342	3.0	567	4,574	8.1
	29	18-Jul	6	120	20.0	4,153	20,809	5.0	6	46	7.7	9,140	27,423	3.0	146	1,184	8.1
	30	25-Jul	2	30	15.0	3,808	18,135	4.8	6	44	7.3	3,781	11,635	3.1	88	691	7.9
	31	1-Aug	2	43	21.5	5,133	25,796	5.0	6	44	7.3	27,141	94,633	3.5	420	3,017	7.2
	32	8-Aug	7	192	27.4	1,062	5,368	5.1	55	448	8.1	80,742	285,424	3.5	408	3,210	7.9
	33	15-Aug	0	0	0.0	1,515	6,952	4.6	13	113	8.7	11,989	37,875	3.2	47	349	7.4
	34	22-Aug	0	0	0.0	100	478	4.8	37	294	7.9	3,014	9,044	3.0	14	96	6.9
	35	29-Aug	1	20	20.0	1,360	6,884	5.1	543	4,503	8.3	10,707	34,087	3.2	3,081	23,410	7.6
36	5-Sep	0	0	0.0	685	3,425	5.0	153	1,251	8.2	234	864	3.7	24	189	7.9	
	Total		51	860	16.9	42,519	206,964	4.9	894	7,405	8.3	150,250	511,483	3.4	5,508	41,778	7.6
Seven Rivers (258-70,80,83,85,90)	25	20-Jun	59	522	8.8	7,856	44,009	5.6	1	8	8.0	358	1,241	3.5	1,068	8,131	7.6
	26	27-Jun	2	25	12.5	719	3,350	4.7	0	0	0.0	19	50	2.6	30	230	7.7
	28	11-Jul	9	93	10.3	4,976	25,737	5.2	556	4,108	7.4	2,591	8,508	3.3	974	7,704	7.9
	29	18-Jul	0	0	0.0	1,681	8,319	4.9	367	2,578	7.0	2,411	7,235	3.0	1,131	9,050	8.0
	30	25-Jul	5	105	21.0	2,055	10,673	5.2	877	5,449	6.2	6,052	23,786	3.9	523	3,759	7.2
	Total		75	745	9.9	17,287	92,088	5.3	1,801	12,143	6.7	11,431	40,820	3.6	3,726	28,874	7.7
Two-Headed (258-54,55,60)	25	20-Jun	0	0	0.0	2,971	14,233	4.8	0	0	0.0	0	0	0.0	944	7,348	7.8
	28	11-Jul	18	158	8.8	1,030	5,152	5.0	75	432	5.8	161	484	3.0	534	4,215	7.9
	29	18-Jul	17	218	12.8	11,876	56,754	4.8	2,289	15,036	6.6	12,987	42,359	3.3	4,242	30,757	7.3
	30	25-Jul	0	0	0.0	572	2,927	5.1	301	1,887	6.3	2,714	10,655	3.9	153	1,094	7.2
	Total		35	376	10.7	16,449	79,066	4.8	2,665	17,355	6.5	15,862	53,498	3.4	5,873	43,414	7.4

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Appendix L1.-Page 6 of 7.

Section (Stat Area)	Stat Week/ Week End	Chinook			Sockeye			Coho			Pink			Chum		
		#	Lbs.	Avg.	#	Lbs.	Avg.	#	Lbs.	Avg.	#	Lbs.	Avg.	#	Lbs.	Avg.
Sitkalidak (258-10,20,30,40,51, 52,53)	25 20-Jun	28	371	13.3	8,676	45,667	5.3	0	0	0.0	45	142	3.2	617	4,704	7.6
	26 27-Jun	38	446	11.7	975	5,155	5.3	1	5	5.0	12	45	3.8	239	1,854	7.8
	28 11-Jul	351	2,718	7.7	48,802	273,787	5.6	7,513	49,734	6.6	8,977	28,659	3.2	6,678	52,099	7.8
	29 18-Jul	131	1,378	10.5	43,853	241,270	5.5	9,484	67,271	7.1	60,404	203,670	3.4	13,536	106,776	7.9
	30 25-Jul	12	196	16.3	4,366	23,268	5.3	1,712	11,268	6.6	15,818	55,703	3.5	1,065	8,264	7.8
	32 8-Aug	2	30	15.0	18	87	4.8	260	2,399	9.2	33,243	112,072	3.4	1,997	16,894	8.5
	33 15-Aug	0	0	0.0	276	1,120	4.1	90	722	8.0	26,223	97,343	3.7	8,103	57,109	7.0
	34 22-Aug	0	0	0.0	0	0	0.0	0	0	0.0	42	125	3.0	879	7,036	8.0
Total		562	5,139	9.1	106,966	590,354	5.5	19,060	131,399	6.9	144,764	497,759	3.4	33,114	254,736	7.7
Inner & Outer Ugak (259-40,41,42)	26 27-Jun	6	32	5.3	127	653	5.1	0	0	0.0	0	0	0.0	18	138	7.7
	27 4-Jul	26	446	17.2	478	2,683	5.6	0	0	0.0	0	0	0.0	0	0	0.0
	28 11-Jul	12	49	4.1	4,657	26,354	5.7	216	1,371	6.3	1,018	3,507	3.4	841	5,735	6.8
	29 18-Jul	0	0	0.0	373	2,283	6.1	606	4,686	7.7	1,568	6,399	4.1	331	2,587	7.8
	30 25-Jul	0	0	0.0	615	3,365	5.5	0	0	0.0	314	709	2.3	22	200	9.1
	33 15-Aug	0	0	0.0	18	103	5.7	16	138	8.6	17,262	69,041	4.0	274	1,847	6.7
	34 22-Aug	0	0	0.0	2	14	7.0	26	156	6.0	32	140	4.4	7,584	51,578	6.8
Total		44	527	12.0	6,270	35,455	5.7	864	6,351	7.4	20,194	79,796	4.0	9,070	62,085	6.8
Outer Chiniak (259-21,25)	28 11-Jul	242	2,657	11.0	13,555	75,894	5.6	6,115	40,469	6.6	26,329	91,256	3.5	15,585	122,010	7.8
	29 18-Jul	16	281	17.6	1,061	7,159	6.7	170	1,211	7.1	3,500	15,384	4.4	556	4,420	7.9
	30 25-Jul	0	0	0.0	39	242	6.2	6	43	7.2	302	1,031	3.4	39	282	7.2
	31 1-Aug	0	0	0.0	0	0	0.0	0	0	0.0	2,291	9,175	4.0	0	0	0.0
Total		258	2,938	11.4	14,655	83,295	5.7	6,291	41,723	6.6	32,422	116,846	3.6	16,180	126,712	7.8
Inner Chiniak (259-23,24)	37 12-Sep	0	0	0.0	0	0	#DIV/0!	446	4,022	9.0	0	0	0.0	160	1,193	7.5
	Total	0	0	0.0	0	0	#DIV/0!	446	4,022	9.0	0	0	0.0	160	1,193	7.5
Buskin (259-22)	29 18-Jul	0	0	0.0	1,098	5,491	5.0	95	573	6.0	2,547	8,915	3.5	254	1,730	6.8
	31 1-Aug	0	0	0.0	0	0	0.0	0	0	0.0	1,498	4,120	2.8	620	3,410	5.5
	32 8-Aug	0	0	0.0	0	0	0.0	0	0	0.0	5,223	18,361	3.5	4,285	34,218	8.0
	33 15-Aug	0	0	0.0	0	0	0.0	0	0	0.0	81	303	3.7	3,121	23,294	7.5
	Total		0	0	0.0	1,098	5,491	5.0	95	573	6.0	9,349	31,699	3.4	8,280	62,652
Monaska/Mill Bay (259-10)	33 15-Aug	3	9	3.0	0	0	0.0	0	0	0.0	236	947	4.0	1	7	7.0
	34 22-Aug	0	0	0.0	0	0	0.0	0	0	0.0	17,313	68,789	4.0	17	129	7.6
	35 29-Aug	0	0	0.0	0	0	0.0	12	89	7.4	268	1,043	3.9	0	0	0.0
	37 12-Sep	0	0	0.0	0	0	0.0	939	7,389	7.9	168	630	3.8	0	0	0.0
	38 19-Sep	0	0	0.0	0	0	0.0	109	896	8.2	0	0	0.0	0	0	0.0
	39 26-Sep	0	0	0.0	0	0	0.0	1,177	9,417	8.0	0	0	0.0	0	0	0.0
Total		3	9	3.0	0	0	0.0	2,237	17,791	8.0	17,985	71,409	4.0	18	136	7.6
Big River (262-10,15)	31 1-Aug	0	0	0.0	4,638	27,037	5.8	715	4,454	6.2	3,232	13,995	4.3	1,797	13,648	7.6
	32 8-Aug	0	0	0.0	57	318	5.6	107	644	6.0	4,966	20,860	4.2	177	1,206	6.8
	Total	0	0	0.0	4,695	27,355	5.8	822	5,098	6.2	8,198	34,855	4.3	1,974	14,854	7.5
Halo Bay (262-20)	31 1-Aug	0	0	0.0	2,883	14,998	5.2	666	4,172	6.3	2,567	9,660	3.8	1,116	7,934	7.1
	35 29-Aug	0	0	0.0	0	0	0.0	0	0	0.0	195	821	4.2	1,707	12,293	7.2
	Total	0	0	0.0	2,883	14,998	5.2	666	4,172	6.3	2,762	10,481	3.8	2,823	20,227	7.2

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Appendix L1.-Page 7 of 7.

Section (Stat Area)	Stat Week/ Week End	Chinook			Sockeye			Coho			Pink			Chum		
		#	Lbs.	Avg.	#	Lbs.	Avg.	#	Lbs.	Avg.	#	Lbs.	Avg.	#	Lbs.	Avg.
Outer Kukak (262-25,30)	32 8-Aug	0	0	0.0	12	65	5.4	35	250	7.1	1,228	5,366	4.4	786	7,856	10.0
	33 15-Aug	0	0	0.0	7	15	2.1	32	250	7.8	6,629	26,542	4.0	12,147	108,374	8.9
	34 22-Aug	0	0	0.0	0	0	0.0	50	408	8.2	2,815	11,258	4.0	3,130	28,205	9.0
	35 29-Aug	0	0	0.0	0	0	0.0	3,459	24,969	7.2	3,558	25,844	7.3	10,965	95,923	8.7
	36 5-Sep	0	0	0.0	1	6	6.0	802	5,859	7.3	44	185	4.2	1,585	11,818	7.5
	37 12-Sep	0	0	0.0	3	8	2.7	1,254	11,137	8.9	0	0	0.0	8,991	77,335	8.6
Total		0	0	0.0	23	94	4.1	5,632	42,873	7.6	14,274	69,195	4.8	37,604	329,511	8.8
Inner Kukak (262-27)	32 8-Aug	0	0	0.0	0	0	0.0	0	0	0.0	7,254	22,674	3.1	3,212	26,982	8.4
	34 22-Aug	0	0	0.0	5	33	6.6	108	839	7.8	12,343	42,736	3.5	12,197	108,912	8.9
	35 29-Aug	0	0	0.0	2	5	2.5	3,763	28,475	7.6	508	2,038	4.0	14,587	125,115	8.6
	37 12-Sep	0	0	0.0	1	4	4.0	282	2,881	10.2	0	0	0.0	1,081	9,133	8.4
	38 19-Sep	0	0	0.0	0	0	0.0	977	9,614	9.8	0	0	0.0	1,858	15,665	8.4
Total		0	0	0.0	8	42	5.3	5,130	41,809	8.1	20,105	67,448	3.4	32,935	285,807	8.7
Dakavak (262-35,40,45,50,55)	28 11-Jul	110	2,248	20.4	1,449	8,363	5.8	0	0	0.0	337	1,035	3.1	979	6,180	6.3
	29 18-Jul	81	946	11.7	23,439	124,800	5.3	645	4,031	6.2	9,175	33,025	3.6	5,728	42,241	7.4
	30 25-Jul	94	1,780	18.9	18,738	105,496	5.6	2,435	16,933	7.0	14,520	57,329	3.9	4,997	34,439	6.9
	31 1-Aug	35	696	19.9	1,242	6,386	5.1	1,533	9,159	6.0	13,210	50,860	3.9	1,865	12,738	6.8
	33 15-Aug	0	0	0.0	4	18	4.5	0	0	0.0	9,252	35,874	3.9	5,170	48,754	9.4
	34 22-Aug	0	0	0.0	11	43	3.9	0	0	0.0	1,752	7,665	4.4	1,696	17,354	10.2
	35 29-Aug	0	0	0.0	0	0	0.0	0	0	0.0	582	2,157	3.7	3,253	26,420	8.1
Total		320	5,670	17.7	44,883	245,106	5.5	4,613	30,123	6.5	48,828	187,945	3.8	23,688	188,126	7.9
Katmai (262-60)	28 11-Jul	0	0	0.0	359	2,110	5.9	0	0	0.0	80	242	3.0	166	1,365	8.2
	29 18-Jul	22	344	15.6	4,365	21,826	5.0	169	1,225	7.2	1,827	5,483	3.0	1,036	7,552	7.3
	30 25-Jul	21	385	18.3	2,319	15,909	6.9	1,093	8,618	7.9	5,254	18,367	3.5	1,967	15,798	8.0
	32 8-Aug	0	0	0.0	0	0	0.0	7	42	6.0	10,012	32,031	3.2	1,212	8,076	6.7
Total		43	729	17.0	7,043	39,845	5.7	1,269	9,885	7.8	17,173	56,123	3.3	4,381	32,791	7.5
Alinbchak (262-65,70)	28 11-Jul	1	18	18.0	806	4,083	5.1	0	0	0.0	288	922	3.2	158	1,045	6.6
	30 25-Jul	2	16	8.0	27	96	3.6	0	0	0.0	45,537	160,972	3.5	15,064	114,773	7.6
	31 1-Aug	0	0	0.0	0	0	0.0	0	0	0.0	29,914	90,868	3.0	4,002	31,391	7.8
	32 8-Aug	1	3	3.0	61	322	5.3	55	485	8.8	47,184	166,729	3.5	7,926	63,411	8.0
	33 15-Aug	0	0	0.0	4	22	5.5	2	19	9.5	38,908	128,215	3.3	3,858	46,730	12.1
Total		4	37	9.3	898	4,523	5.0	57	504	8.8	161,831	547,706	3.4	31,008	257,350	8.3
Cape Igvak (262-75,80,90,95)	24 13-Jun	99	1,699	17.2	27,778	140,755	5.1	0	0	0.0	2,091	3,618	1.7	5,995	54,691	9.1
	25 20-Jun	148	2,005	13.5	80,059	428,559	5.4	0	0	0.0	2,483	5,859	2.4	3,582	27,963	7.8
	26 27-Jun	364	3,996	11.0	70,680	407,267	5.8	4	29	7.3	5,815	13,191	2.3	5,403	43,223	8.0
Total		611	7,700	12.6	178,517	976,581	5.5	4	29	7.3	10,389	22,668	2.2	14,980	125,877	8.4
Grand Total		28,899	328,129	11.4	4,165,880	22,041,047	5.3	489,871	3,765,349	7.7	21,440,641	78,080,660	3.6	1,121,855	8,596,018	7.7

Note: Numbers of fish do not include test fish harvest or fish retained from commercial catch for personal use.

APPENDIX M: ESCAPEMENT DATA

Appendix M1.-Indexed peak salmon escapements for the Kodiak Management Area, by district and species, 2004.

District	Number of Salmon				
	Chinook	Sockeye	Coho	Pink	Chum
Afognak	2	90,480	17,672	266,888	4,541
Northwest Kodiak	0	102,100	8,050	1,158,200	41,200
Southwest Kodiak	32,355	995,441	15,924	3,781,904	10,643
Alitak Bay	577	489,061	9,397	1,008,986	34,406
Eastside Kodiak	0	110,400	6,402	1,258,555	75,750
Northeast Kodiak	5	24,109	14,011	600,430	2,156
Mainland	0	24,500	0	711,555	364,395
Total	32,939	1,836,091	71,456	8,786,518	533,091

Appendix M2.-Indexed peak salmon escapements for the Afognak District, by stream and species, in the Kodiak Management Area, 2004.

Stream	Number of Fish					Date	Observer
	Chinook	Sockeye	Coho	Pink	Chum		
251-101	0	0	25	200	0	8/23	Wilson
251-105	0	20,000	0	-	0	8/11	Wadle
	0	-	0	70,500	0	8/25	Brennan
251-201	0	0	0	11,000	0	8/11	Wadle
251-301	0	0	2,600	17,400	0	8/11	Wadle
251-302	0	1,010	0	-	0	8/3	Wadle
	0	0	1,000	17,000	0	8/11	Wadle
251-403	0	0	0	17,000	0	8/11	Wadle
251-404	0	0	0	16,500	0	8/11	Wadle
251-405	0	0	0	1,800	0	8/3	Wadle
251-502	0	0	0	0	0	8/23	Wilson
251-507	0	0	0	0	0	8/3	Wadle
251-508	0	0	0	0	0	8/3	Wadle
251-601	0	0	600	300	0	8/23	Wilson
251-702	0	0	150	300	0	8/23	Wilson
251-706	0	0	400	25	0	8/23	Wilson
251-707	0	0	600	150	0	8/23	Wilson
251-821	0	0	0	0	0	8/3	Wadle
251-822	0	0	0	850	0	8/3	Wadle
251-825	0	24,000	0	-	0	8/3	Wadle
	0	-	2,000	20,000	0	8/11	Wadle
251-826	0	0	0	15,000	0	8/11	Wadle
251-827	0	0	0	0	0	8/3	Wadle
251-831	0	29,289	0	0	1	6/27	Weir Count
	0	0	6,000	2,000	0	8/11	Wadle
251-901	0	0	400	20,000	0	8/11	Wadle
251-902	0	0	0	900	0	8/3	Wadle
251-301	0	0	0	0	0	8/3	Wadle
252-306	0	0	0	0	0	8/3	Wadle
252-307	0	0	0	1,200	0	8/3	Wadle
252-309	0	0	0	0	0	8/10	Wadle
252-323	0	1,000	1,000	0	0	10/31	Aro
252-324	0	0	0	20,000	4,000	10/31	Aro
252-331	0	0	800	2,500	300	8/23	Wilson
252-332	0	0	1,500	4,500	200	8/23	Wilson
252-334	0	0	0	300	0	8/23	Wilson
252-336	0	0	100	500	0	8/23	Wilson
252-342	2	15,181	492	9,563	40	8/6	Weir Count
	0	0	5	700	0	8/23	Wilson
252-343	0	0	0	16,700	0	8/10	Wadle
Total	2	90,480	17,672	266,888	4,541		

Appendix M3.-Indexed peak salmon escapements for the Northwest Kodiak District, by stream and species, in the Kodiak Management Area, 2004.

Stream	Number of Fish					Date	Observer
	Chinook	Sockeye	Coho	Pink	Chum		
253-115	0	16,000	0	10,000	0	7/8	Brennan
	0	0	1,000	57,200	0	8/31	Wadle
253-122	0	83,600	0	0	0	7/8	Brennan
	0	-	0	90,100	-	7/29	Wadle
	0	-	0	-	10,000	7/29	Brennan
253-331	0	0	0	-	15,600	7/29	Wadle
	0	0	0	230,000	-	8/15	Kuriscak
253-332	0	0	0	90,000	0	8/15	Kuriscak
253-333	0	0	0	3,000	0	8/15	Kuriscak
254-202	0	0	0	-	7,000	7/29	Brennan
	0	0	0	210,900	-	8/7	Kuriscak
	0	0	2,550	-	-	8/31	Wadle
254-203	0	0	0	55,000	0	8/7	Kuriscak
254-204	0	0	0	70,000	0	7/29	Brennan
	0	0	3,500	53,000	0	8/31	Wadle
254-207	0	0	0	200	0	7/29	Brennan
254-301	0	0	0	49,000	4,100	7/29	Brennan
	0	0	0	57,000	-	8/31	Wadle
259-363	0	2,500	1,000	2,800	0	8/15	Kuriscak
259-365	0	0	0	40,000	4,500	8/15	Kuriscak
259-368	0	0	0	3,000	0	8/15	Kuriscak
259-369	0	0	0	11,000	0	8/15	Kuriscak
259-371	0	0	0	72,000	0	8/15	Kuriscak
259-372	0	0	0	2,500	0	8/15	Kuriscak
259-373	0	0	0	5,500	0	8/15	Kuriscak
259-381	0	0	0	5,500	0	8/15	Kuriscak
259-382	0	0	0	1,500	0	8/15	Kuriscak
259-383	0	0	0	8,000	0	8/15	Kuriscak
259-391	0	0	0	24,000	0	8/15	Kuriscak
259-392	0	0	0	4,000	0	8/15	Kuriscak
259-394	0	0	0	3,000	0	8/15	Kuriscak
259-397	0	0	0	0	0	8/15	Kuriscak
Total	0	102,100	8,050	1,158,200	41,200		

Appendix M4.-Indexed peak salmon escapements for the Southwest Kodiak District, by stream and species, in the Kodiak Management Area, 2004.

Stream	Number of Fish					Date	Observer
	Chinook	Sockeye	Coho	Pink	Chum		
255-101	7,525	720,203	11,186	1,522,675	95	10/6	Weir Count
256-201	24,830	275,238	4,738	1,059,229	48	8/27	Weir Count
256-401	0	0	0	-	10,500	7/8	Brennan
	0	0	0	1,200,000	-	8/7	Wadle
Total	32,355	995,441	15,924	3,781,904	10,643		

Appendix M5.-Indexed peak salmon escapements for the Alitak Bay District, by stream and species, in the Kodiak Management Area, 2004.

Stream	Number of Fish					Date	Observer
	Chinook	Sockeye	Coho	Pink	Chum		
257-101	0	0	0	0	3,000	8/7	Kuriscak
257-102	0	0	0	0	15,000	8/7	Kuriscak
257-302	0	1,500	400	42,000	0	8/18	Kuriscak
257-303	0	300	0	0	0	8/18	Kuriscak
257-304	2	255,595	7,477	6,657	19	9/16	Weir Count
257-401	0	0	0	23,000	0	8/7	Kuriscak
257-402	0	5,400	0	5,100	0	8/3	Brennan
257-403	575	226,266	20	296,929	2,387	8/9	Weir Count
	0	-	1,500	49,000		8/18	Kuriscak
257-502	0	0	0	138,000	5,000	8/3	Brennan
257-503	0	0	0	1,800	500	7/29	Brennan
	0	0	0	67,500	7,500	8/3	Brennan
257-602	0	0	0	14,000	0	8/7	Kuriscak
257-603	0	0	0	0	1,000	8/3	Brennan
257-701	0	0	0	365,000	0	8/7	Kuriscak
Total	577	489,061	9,397	1,008,986	34,406		

Appendix M6.-Indexed peak salmon escapements for the Eastside Kodiak District, by stream and species, in the Kodiak Management Area, 2004.

Stream	Number of Fish					Date	Observer
	Chinook	Sockeye	Coho	Pink	Chum		
258-202	0	0	0	2,000	0	8/28	Kuriscak
258-203	0	0	0	0	0	8/28	Kuriscak
258-204	0	0	0	3,200	-	8/3	Brennan
	0	0	0	-	13,500	8/29	Kuriscak
258-205	0	0	0	6,500	-	8/3	Brennan
	0	0	0	-	6,000	8/29	Kuriscak
258-206	0	0	0	80,000	20,000	8/29	Kuriscak
258-207	0	0	0	120,000	5,000	8/29	Kuriscak
258-208	0	0	0	29,000	7,000	8/29	Kuriscak
258-209	0	0	0	6,500	0	8/29	Kuriscak
258-210	0	0	0	0	0	8/29	Kuriscak
258-211	0	0	0	4,000	0	8/29	Kuriscak
258-212	0	0	0	2,000	0	8/3	Brennan
258-213	0	0	0	0	0	8/29	Kuriscak
258-302	0	0	0	4,500	0	8/29	Kuriscak
258-304	0	0	0	2,500	0	8/29	Kuriscak
258-305	0	0	0	2,500	0	8/29	Kuriscak
258-310	0	0	0	0	0	8/29	Kuriscak
258-401	0	7,500	0	0	0	8/3	Brennan
258-511	0	0	0	19,700	0	8/3	Brennan
258-512	0	0	0	0	0	8/3	Brennan
258-513	0	0	0	0	0	8/3	Brennan
258-521	0	0	0	-	8,000	8/3	Brennan
	0	0	1,500	170,000	-	8/29	Kuriscak
258-522	0	0	0	-	16,000	8/3	Brennan
	0	0	0	240,000	-	8/29	Kuriscak
258-541	0	0	0	2,750	0	8/3	Brennan
258-542	0	0	0	36,500	0	8/3	Brennan
258-551	0	0	0	2,000	0	8/3	Brennan
258-603	0	0	0	2,900	0	8/3	Brennan
258-604	0	0	0	15,000	0	8/7	Kuriscak
258-701	0	0	0	367,000	0	8/7	Kuriscak
259-401	0	0	0	1,060	0	8/28	Kuriscak
259-402	0	0	0	0	0	8/28	Kuriscak
259-403	0	0	0	20	0	8/28	Kuriscak
259-404	0	0	0	0	0	8/28	Kuriscak
259-405	0	0	0	0	0	8/28	Kuriscak
259-411	0	46,400	0	0	0	8/3	Brennan
	0	-	-	8,305	0	8/28	Kuriscak
	-	-	3,402	-	-	11/11	Schmidt
259-412	0	1,700	0	1,500	0	7/24	Wadle
	0	-	0	30,000	0	8/27	Kuriscak
259-414	0	0	1,500	5,000	0	8/27	Kuriscak
259-415	0	54,800	0	0	0	7/8	Brennan
	0	-	0	10,000	0	7/24	Wadle
	0	0	0	40,000	0	8/27	Kuriscak
259-416	0	0	0	29,000	0	8/27	Kuriscak
259-417	0	0	0	1,200	0	8/28	Kuriscak
259-417a	0	0	0	200	0	8/28	Kuriscak
259-418	0	0	0	0	0	8/28	Kuriscak
259-419	0	0	0	0	0	8/28	Kuriscak
259-420	0	0	0	200	0	8/28	Kuriscak
259-421	0	0	0	200	0	8/28	Kuriscak

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Stream	Number of Fish					Date	Observer
	Chinook	Sockeye	Coho	Pink	Chum		
259-422	0	0	0	2,500	0	8/28	Kuriscak
259-423	0	0	0	0	0	8/28	Kuriscak
259-424	0	0	0	10,800	250	8/28	Kuriscak
259-426	0	0	0	20	0	8/28	Kuriscak
259-428	0	0	0	0	0	8/28	Kuriscak
Total	0	110,400	6,402	1,258,555	75,750		

Appendix M7.-Indexed peak escapements for the Northeast Kodiak District, by stream and species, in the Kodiak Management Area, 2004.

Stream	Number of Fish					Date	Observer
	Chinook	Sockeye	Coho	Pink	Chum		
259-101	0	0	-	1,500	0	8/15	Kuriscak
	-	-	84	-	-	10/4	Creelman
259-102	0	0	0	11,000	0	8/15	Kuriscak
	-	-	173	-	-	10/4	Creelman
259-103	-	-	13	-	-	10/5	Creelman
259-211 ^a	5	22,023	9,599	197,429	156	9/30	Weir Count
259-211 ^b	0	2,086	36	1	0	8/31	Weir Count
259-221	0	0	0	20,000	0	8/27	Kuriscak
	-	-	160	-	-	10/17	Tracy
259-222	0	0	0	63,000	0	8/27	Kuriscak
	-	-	365	-	-	10/20	Tracy
259-223	0	0	0	40,000	0	8/27	Kuriscak
	-	-	431	-	-	10/15	Tracy
259-231	0	0	-	57,000	0	8/27	Kuriscak
	-	-	753	-	-	9/23	Schmidt
259-242	0	0	0	120,000	0	8/27	Kuriscak
	-	-	1,860	-	-	9/19	Schmidt
259-243	0	0	0	3,000	0	8/27	Kuriscak
259-244	0	0	0	0	0	8/27	Kuriscak
259-245	0	0	0	31,000	0	8/27	Kuriscak
	-	-	84	-	-	10/7	Schmidt
259-246	0	0	0	3,000	0	8/27	Kuriscak
259-251	-	-	288	-	-	10/13	Schmidt
259-252	0	0	0	6,000	2,000	8/27	Kuriscak
	-	-	78	-	-	10/14	Schmidt
259-253	0	0	0	2,000	0	8/27	Kuriscak
259-254	0	0	0	16,500	0	7/24	Wadle
	0	0	-	29,000	0	8/27	Kuriscak
	-	-	87	-	-	10/8	Schmidt
Total	5	24,109	14,011	600,430	2,156		

^a Counted through the Buskin River weir.

^b Counted through the Lake Louise weir.

Appendix M8.-Indexed peak escapements for the Mainland District, by stream and species, in the Kodiak Management Area, 2004.

Stream	Number of Fish					Date	Observer
	Chinook	Sockeye	Coho	Pink	Chum		
262-151	0	17,500	0	0	0	8/10	Wadle
262-152	0	0	0	25,500	60,000	8/10	Wadle
262-153	0	0	0	1,500	17,550	8/10	Wadle
262-154	0	0	0	0	1,700	8/10	Wadle
262-206	0	0	0	29,000	0	8/10	Wadle
262-271	0	0	0	8,000	1,000	8/25	Brennan
262-272	0	0	0	0	50,000	8/25	Brennan
262-301	0	2,000	0	500	0	8/10	Wadle
262-351	0	0	0	10,900	0	8/25	Brennan
262-401	0	0	0	35,000	0	8/25	Brennan
262-402	0	0	0	11,200	0	8/25	Brennan
262-451	0	0	0	15,900	0	8/25	Brennan
262-452	0	0	0	3,000	0	8/10	Wadle
262-501	0	0	0	22,500	0	8/25	Brennan
262-604	0	0	0	117,000	0	8/15	Wadle
262-651	0	0	0	70,400	3,500	8/15	Wadle
262-652	0	0	0	52,800	25,000	8/15	Wadle
262-654	0	0	0	7,250	21,750	8/15	Wadle
262-655	0	0	0	29,000	0	8/15	Wadle
262-701	0	0	0	29,800	0	8/15	Wadle
262-702	0	0	0	18,000	5,000	8/15	Wadle
262-703	0	0	0	18,030	42,070	8/15	Wadle
262-704	0	0	0	4,900	2,500	8/15	Wadle
262-705	0	0	0	1,500	0	8/15	Wadle
262-751	0	0	0	69,000	0	8/15	Wadle
262-752	0	0	0	34,650	58,800	8/15	Wadle
262-801	0	0	0	2,300	0	8/15	Wadle
262-802	0	0	0	28,700	20,550	8/15	Wadle
262-803	0	0	0	1,300	0	8/15	Wadle
262-852	0	0	0	2,300	13,700	8/15	Wadle
262-853	0	0	0	23,925	31,775	8/15	Wadle
262-854	0	0	0	8,800	0	8/15	Wadle
262-858	0	0	0	2,100	2,500	8/15	Wadle
262-951	0	0	0	16,000	7,000	8/15	Wadle
262-951	0	5,000	0	10,800	0	8/15	Wadle
Total	0	24,500	0	711,555	364,395		