

KODIAK MANAGEMENT AREA COMMERCIAL SALMON
ANNUAL MANAGEMENT REPORT, 2002



By

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TABLE OF CONTENTS

	<u>Page</u>
LIST OF TABLES	i
LIST OF FIGURES	iii
LIST OF APPENDICES.....	iv
ABSTRACT	1
INTRODUCTION	2
KODIAK MANAGEMENT AREA DESCRIPTION	2
SALMON RESOURCES	3
Salmon Producing Streams.....	3
Escapement Goals.....	3
Salmon Production Potential (Wild Stocks)	3
Supplemental Production.....	4
Non Local Salmon in the Kodiak Management Area.....	4
COMMERCIAL SALMON FISHING.....	5
Commercial Salmon Harvest Strategy.....	7
Board of Fisheries Approved Regulatory Management Plans	7
Salmon Forecasts	7
Harvest Strategy.....	8
General Harvest Information	8
2002 COMMERCIAL SALMON FISHERY SUMMARY	9
Harvest.....	9
Chinook Salmon	9
Sockeye Salmon.....	10
Pink Salmon.....	10
Chum Salmon	10
Coho Salmon	10
Exvessel Value.....	11
SALMON STOCK STATUS	11
Chinook Salmon	11
Sockeye Salmon.....	11
Pink Salmon.....	12
Chum Salmon	12
Coho Salmon	12

TABLE OF CONTENTS (Cont.)

	<u>Page</u>
OTHER KODIAK MANAGEMENT AREA SALMON HARVESTS	13
Subsistence Salmon Fishery	13
Retention of Fish Taken in Commercial Fisheries	13
Salmon Sport Fishery.....	13
LITERATURE CITED	15
TABLES	19
FIGURES	44
APPENDIX	45

LIST OF TABLES

<u>Table</u>	<u>Page</u>
1. Estimated number of anadromous streams with significant salmon production by district, with species distribution, in the Kodiak Management Area, 2002.....	19
2. Salmon escapement goals versus 2002 estimated escapement, by species and district, in the Kodiak Management Area, 2002	20
3. Potential versus actual salmon production (wild stock) in the Kodiak Management Area, 2002.....	21
4. Historic salmon catch, by species, in the Kodiak Management Area, 1882-2002	22
5. Summary of limited entry permit activity in the commercial salmon fishery, by gear type, in the Kodiak Management Area, 1975-2002	25
6. Escapement summary for systems with fish weirs in the Kodiak Management Area, 2002.....	26
7. Historical indexed salmon escapements, by species, in the Kodiak Management Area, 1975-2002	27
8. Alaska Board of Fisheries approved salmon management plans for the Kodiak Management Area, 2002.....	28
9. Commercial salmon harvest projections and actual harvests for the Kodiak Management Area, 2002.....	29
10. The 2002 forecast of salmon available for harvest and actual harvests from KRAA stocking projects in the Kodiak Management Area	32
11. Commercial salmon buyers and processors, Kodiak Management Area, 2002.....	33
12. Commercial salmon harvest and value, by gear type and species, in the Kodiak Management Area, 2002.....	34
13. Salmon average weights and average prices per pound, by species, from commercial salmon fisheries of the Kodiak Management Area, 1991-2002	35
14. Estimated commercial salmon harvest and value, by gear type, in the Kodiak Management Area, 1970-2002	36
15. Subsistence salmon fishery harvest from ADF&G permit reports, by species, for the Kodiak Management Area, 1970-2002.....	38

LIST OF TABLES (Cont.)

<u>Table</u>	<u>Page</u>
16. Retention of salmon taken in commercial salmon fisheries from ADF&G permit reports, by species, for the Kodiak Management Area, 1997-2002.	40
17. Estimated sport fish salmon harvest in the Kodiak regulatory area of the Kodiak Management Area, 1977-2002	41

LIST OF FIGURES

<u>Figure</u>	<u>Page</u>
1. Location of the Kodiak Management Area, 2002.....	44
2. Map of Kodiak Island showing communities, canneries, sockeye salmon enhancement, weir, and hatchery locations in the Kodiak Management Area, 2002	43
3. Commercial salmon fishery chronology (a) and commercial harvest (b) by species, for the Kodiak Management Area, 2002.....	44

LIST OF APPENDICES

<u>Appendix</u>	<u>Page</u>
A.1. Map of the Kodiak Management Area identifying commercial salmon fishing districts	46
A.2. Map of the Mainland District of the Kodiak Management Area, 2002	47
A.3. Map of the Alitak Bay District of the Kodiak Management Area, 2002	48
A.4. Map of the Southwest Kodiak District of the Kodiak Management Area, 2002	49
A.5. Map of the Northwest Kodiak District of the Kodiak Management Area, 2002	50
A.6. Map of the Northeast Kodiak District of the Kodiak Management Area, 2002	51
A.7. Map of the Afognak District of the Kodiak Management Area, 2002	52
A.8. Map of the Eastside Kodiak District of the Kodiak Management Area, 2002	53
B.1. Commercial salmon fishing time, by district and section, in the Kodiak Management Area, 2002.	54
B.2. Summary of emergency orders issued in the Kodiak Management Area, 2002	55
C.1. Narrative account of the Cape Igvak sockeye salmon fishery in the Kodiak Management Area, 2002.....	74
C.2. Harvest of sockeye salmon considered by regulation to be Chignik bound in the Chignik, Cape Igvak, and Southeastern District Mainland commercial salmon fisheries, from 1964 - 2002	77
C.3. Impact of the Cape Igvak Salmon Management Plan, 1964-2002.....	79
C.4. Purse seine daily salmon harvest, by species, for the Cape Igvak Salmon Management Plan units, 2002.....	80
D.1. Narrative account of the Alitak Bay District salmon fishery in the Kodiak Management Area, 2002.....	81
D.2. Salmon harvest, by gear type and by species, for the Alitak Bay District management units, 2002	83
D.3. Commercial salmon harvest, by species, with percent harvest by gear type, in the Alitak Bay District of the Kodiak Management Area, 1954 - 2002	84

LIST OF APPENDICES (Cont.)

<u>Appendix</u>	<u>Page</u>
D.4. Purse seine daily salmon harvest, by species, for the Alitak Bay District, 2002.....	86
D.5. Sockeye salmon harvest and number of permits operating in the Alitak Bay District, by gear type and location of harvest, in the Kodiak Management Area, 1982-2002.....	88
E.1. Narrative account of the Westside Kodiak salmon fisheries in the Kodiak Management Area, 2002.....	89
E.2. Commercial salmon harvest, by species, for the Westside management units in the Kodiak Management Area, 1970-2002.....	91
E.3. Commercial salmon harvest, by gear type and species, for the Westside Kodiak Management Plan units, 2002.....	92
E.4. Purse seine daily salmon harvest, by species, for the Westside Kodiak Management Plan units, 2002.....	93
E.5. Set gillnet daily salmon harvest, by species, for the Westside Kodiak Management Plan units, 2002.....	100
F.1. Narrative account of the North Shelikof sockeye salmon fishery in the Kodiak Management Area, 2002.....	103
F.2. Summary of fishing time, zone closures, effort, and harvest by species, for management units affected by the North Shelikof Strait Sockeye Salmon Management Plan for the Kodiak Management Area, 1990-2002.....	107
F.3. Daily salmon harvest by section and species for the North Shelikof management units of the North Shelikof Strait Sockeye Salmon Management Plan, 2002.....	109
F.4. Daily salmon harvest by section and species for the Southwest Afognak management units of the North Shelikof Strait Sockeye Salmon Management Plan, 2002.....	110
G.1. Narrative account of the Eastside Afognak salmon fishery in the Kodiak Management Area, 2002.....	112
G.2. Daily salmon harvest, by species, for the management units of the East Afognak Management Plan, 2002.....	114

LIST OF APPENDICES (Cont.)

<u>Appendix</u>	<u>Page</u>
H.1. Narrative account of the Spiridon Lake sockeye salmon fishery in the Kodiak Management Area, 2002.....	120
H.2. Daily salmon harvest, by species and gear type, for the Spiridon Lake Terminal Harvest Area, 2002.....	121
H.3. Estimated commercial harvest of Spiridon Lake enhancement project sockeye salmon, by area, in the Kodiak Management Area, 2002	123
I.1. Narrative account of the Eastside Kodiak salmon fishery in the Kodiak Management Area, 2002.....	124
I.2. Daily commercial salmon harvest, by species, for Eastside Kodiak Management Plan units, 2002.....	126
J.1. Narrative account of the North Afognak/Shuyak salmon fishery in the Kodiak Management Area, 2002.....	129
J.2. Daily salmon harvest, by species, for North Afognak/Shuyak Island management units, 2002	131
K.1. Narrative account of the Mainland salmon fishery in the Kodiak Management Area, 2002.....	134
K.2. Daily commercial salmon harvest, by species, for the Mainland District Management Plan units, 2002.....	135
L.1. Commercial salmon harvest, by management unit and statistical week, all gear combined, in the Kodiak Management Area, 2002.....	139
M.1. Indexed peak salmon escapements by district and species for the Kodiak Management Area, 2002.....	146
M.2. Indexed peak salmon escapements for the Afognak District, by stream and species, in the Kodiak Management Area, 2002.....	147
M.3. Indexed peak salmon escapements for the Northwest Kodiak District, by stream and species, in the Kodiak Management Area, 2002.....	148
M.4. Indexed peak salmon escapements for the Southwest Kodiak District, by stream and species, in the Kodiak Management Area, 2002.....	149
M.5. Indexed peak salmon escapements for the Alitak Bay District, by stream and species, in the Kodiak Management Area, 2002.....	150

LIST OF APPENDICES (Cont.)

<u>Appendix</u>	<u>Page</u>
M.6. Indexed peak salmon escapements for the Eastside Kodiak District, by stream and species, in the Kodiak Management Area, 2002	151
M.7. Indexed peak salmon escapements for the Northeast Kodiak District, by stream and species, in the Kodiak Management Area, 2002	153
M.8. Indexed peak salmon escapements for the Mainland District, by stream and species, in the Kodiak Management Area, 2002.....	154

ABSTRACT

The 2002 Kodiak Management Area commercial salmon fishery began on June 9 with the last reported landing on September 23. A total of 242 permits were fished in 2002 and included 149 purse seines and 93 set gillnets. The total salmon harvest for the Kodiak Management Area included 19,263 chinook salmon *Oncorhynchus tshawytscha*, 1,824,848 sockeye salmon *O. nerka*, 496,073 coho salmon *O. kisutch*, 18,327,818 pink salmon *O. gorbuscha*, and 650,144 chum salmon *O. keta*. The 2002 harvests exceeded forecasts for pink and coho salmon; however chinook, sockeye, and chum salmon were below the 2002 forecast. The exvessel value for all salmon species and all gear types (purse seine and set gillnet) totaled approximately \$12.3 million.

Sockeye salmon escapement goals were met in all districts except the Alitak District. Pink salmon desired escapement goals were met in all districts. Chum and coho salmon escapement goals were met or exceeded in all districts. Chinook salmon escapement goals were met or exceeded in the Southwest Kodiak District.

The personal use fishery harvest in the Kodiak Management Area totaled 13,612 salmon which included 57 chinook, 5,447 sockeye, 7,542 coho, 566 pink, and 0 chum salmon. There were 2,277 permits issued in 2002.

The subsistence fishery harvest in the Kodiak Management Area totaled 42,181 salmon which included 33,541 sockeye, 6,055 coho, 1,643 pink, 350 chum and 592 chinook salmon. There were 2,277 permits issued in 2002.

The estimated 2002 Kodiak Archipelago sport harvest was composed of 4,136 chinook, 9,672 sockeye, 29,957 coho, 9,022 pink, and 104 chum salmon.

INTRODUCTION

Since Alaska was granted statehood, the Alaska Department of Fish and Game (ADF&G) has been authorized with the management of the salmon resources of the state. The mission of the Division of Commercial Fisheries (CF) is to manage, protect, rehabilitate, enhance, and develop fisheries and aquatic plant resources in the interest of the economy and general well-being of the state, consistent with the sustained yield principle and subject to allocations established through public regulatory processes. The CF 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, gives a brief history of the commercial fishery, 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 levels¹.

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 used, 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 drains into Shelikof Strait between Cape Douglas and Kilokak Rocks (Figure 1).

The archipelago is approximately 150 miles long extending from Shuyak Island south to Tugidak Island. The Alaska Peninsula portion is about 160 miles long and is separated from the archipelago by Shelikof Strait, which averages 30 miles in width. Chirikof Island, located approximately 40 miles south southwest of Tugidak Island, is also included in the KMA.

Regulations define the KMA as all waters of Alaska south of a line extending from Cape Douglas (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 for three miles 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), then due south (5 AAC 18.100; Figure 1; Appendix A.1.-A.8.).

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 follows that system.

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 annual spawning populations of salmon (Table 1). The remaining streams are small and are usually used by pink salmon only in years with very large returns. Four streams support viable chinook salmon stocks, 39 streams support sockeye salmon stocks of varying size, 174 streams have coho salmon stocks; approximately 150 streams have chum salmon stocks; and all 440 streams support pink salmon stocks. Of these streams, 92 are located in the Mainland District on the Alaska Peninsula, 18 are on Shuyak Island, 84 are on Afognak Island, 234 are on Kodiak Island, and 12 are on the Trinity Island group.

Escapement Goals

The ADF&G salmon management and research staff have established aggregate escapement goals for each salmon species by district (Table 2; Nelson and Lloyd 2001). Escapement goals are expressed as a range. The KMA commercial salmon fisheries are managed to achieve escapement levels that are within the established range. The "targeted" aggregate escapement goal ranges for KMA salmon are 8,400 - 16,900 chinook salmon 1,279,000 - 1,888,000 sockeye salmon, 55,300 - 94,275 coho salmon, 2,398,000 - 5,994,000 even year pink ²salmon, and 273,000 - 819,000 chum salmon (Table 2).

Salmon Production Potential (Wild Stocks)

The estimated production potential for certain KMA salmon species can be calculated by multiplying the expected escapement (the targeted goal) by an estimated average return per spawner (R/S; this can be calculated from escapement and subsequent estimated returns for specific salmon stocks). The annual potential harvest can then be calculated by subtracting the specific targeted escapement goal from the production potential (Table 3). In recent years the actual R/S estimates for Kodiak's major sockeye salmon systems have approached 3.7 to 1 (Prokopowich 1995), and for Kodiak pink salmon the odd year R/S was estimated at approximately 3.0 to 1 (Swanton et al. 1993). Using these R/S estimates, the KMA sockeye salmon annual potential harvest is estimated to be approximately 4,617,000 fish. Pink salmon potential harvest is estimated to be 6,000,000 (odd year) to 9,000,000 (even year). These values are averages around which the returns will fluctuate. It is of interest to note that the actual pink salmon production in recent odd years has far exceeded this estimated potential. If targeted escapements are met and environmental conditions are favorable, KMA salmon systems should also produce average annual harvests of about 22,500 chinook, 990,000 chum, and 225,000 coho (Table 3).

² Pink salmon production in individual systems tends to be large one year, then small the next. Hence the escapement goal is different between odd and even years, with odd numbered years having lower goals and even years having higher goals.

Supplemental Production

Two hatcheries, located in the KMA, continue to produce salmon to supplement natural salmon production (Figure 2). The Kodiak Regional Aquaculture Association (KRAA) operates the Kitoi Bay and Pillar Creek Hatcheries. Kitoi Bay Hatchery, located on the east side of Afognak Island, produces primarily pink salmon; however, sockeye, chum, and coho salmon are also cultured (Honnold and Aro 2003). Outstocking of juvenile coho and sockeye salmon fry occurs, but the majority of the salmon are intended to return to the hatchery for common property harvest (ADF&G 2002). Pillar Creek Hatchery, located north of the city of Kodiak at Monashka Bay, is utilized primarily as an incubation facility for sockeye salmon outstocking projects; however, chinook salmon are also reared at the facility (Honnold and Clevenger 2003).

The Kodiak Regional Planning Team (KRPT)³ identified sockeye salmon as the priority species for supplemental production. The KRAA and ADF&G are involved in limnological monitoring studies of some KMA lakes to study salmon fry growth and survival. Through the use of remote egg takes and hatchery incubation, sockeye salmon juveniles are being stocked to enhance future sockeye salmon harvests through put-and-take projects, broodstock development, and to restore systems with depleted runs. Sockeye salmon are stocked for put-and-take fisheries at Spiridon, Hidden, Crescent, Little Waterfall, and Big Waterfall Lakes. Sockeye salmon are stocked for broodstock development in Little Kitoi Lake.

The adult returns from the Kitoi Bay Hatchery chum, pink, and coho salmon stockings have been excellent. Coho salmon are also outstocked into Crescent Lake near the city of Port Lions, and into Katmai Lake on Spruce Island near the City of Ouzinkie.

Supplementing KMA salmon fisheries is an ongoing long-term project. A goal of the Kodiak Regional Comprehensive Salmon Plan (KRPT 1992) 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 2002. Supplemental production has produced an additional 582,000 sockeye, 152,000 coho, 13,127,000 pink, 304,000 chum and an undetermined number of chinook salmon to the annual harvest (Honnold and Schrof 2001).

Non Local Salmon in the Kodiak Management Area

Salmon tagging studies have been conducted in the KMA to aid management of commercial fisheries. The studies of stock composition were performed to determine presence or absence of major stocks at a particular time and place and average travel time through fishery management units. The earliest tagging study was done 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 occurred along the south and west sides of the Kodiak Archipelago,

³ The RPT 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.

to study the migration of sockeye salmon travelling 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 Peninsula waters to Kodiak Island waters (Noerenberg and Calkins 1959; Eggers et al. 1987).

Chinook salmon from 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 the KMA in 1994, and 1997 through 1999. These studies indicated that the majority of the non local chinook salmon harvested in the KMA were from British Columbia. In addition hatcheries and it was concluded that there was only a low exploitation of Cook Inlet chinook salmon (Clark and Nelson 2001). The only local chinook salmon stock within the KMA that has been marked with coded wire tags are hatchery produced chinook salmon fry released into the Buskin River; no Kodiak wild stock chinook salmon were marked with coded wire tags prior to, during, or since this study (Clark and Nelson 2001).

The most recent attempts at estimating sockeye salmon stock composition within the KMA have involved studies that used scale pattern analysis, age marker 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; Barrett and Nelson 1995; Nelson 1999).

COMMERCIAL SALMON FISHING

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 commercial salmon fisheries. There were 604 valid commercial salmon permits in the KMA in 2002: 382 purse seine, 34 beach seine, and 188 set gillnet permits. The actual numbers of permits that are fished varies annually (Table 5). There has been a downward trend in the number of seine permits fished (Table 5).

The KMA is one of 13 designated salmon net registration areas in the State of Alaska. In season management of the commercial salmon fishery is structured around seven districts subdivided into 56 sections (Appendices A.1-A.8). These sections are occasionally subdivided further in season 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 four Terminal Harvest Areas (THA) within the KMA for the harvest of enhanced salmon fisheries (supplemental production; Schrof and Honnold 2003).

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). The majority of the KMA is open to seine gear only. Both purse and beach seine gear are allowed to operate in the entire management area except for the Alitak Bay, Moser Bay, and Olga Bay Sections of the Alitak District, where set gillnets are the only legal 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 geographic areas currently open to specific gear types have, with few exceptions, remained unchanged.

By regulation, the commercial salmon fishing season in the KMA may extend from June 5 through October 31 (ADF&G 2002). Inseason management activities focus on daily evaluations of actual run strength in comparison to preseason expectations (escapement goals and forecasts) by species. Commercial salmon fisheries may be allowed if salmon runs appear to be surplus to escapement needs.

The majority of sockeye salmon and all chinook salmon escapement counts are obtained through the use of fish weirs (Kuriscak *In press*). Weirs are used on up to 15 different spawning systems (Table 6; Figure 2). In the KMA salmon escapement passing through fish weirs is hand tallied by species (Brennan et al. 2002). Escapement gates within the weir are closed when ADF&G personnel are not present to count. Escapement counts are transmitted daily from fish counting camps 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 counts are collected from fixed-wing aircraft surveys of bays and streams. Foot surveys are also used on a few streams. 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 inseason information on returning sockeye salmon run strength in the Alitak Bay District (Frazer and Olga Lake stocks) is obtained from an ADF&G test fishery in Olga Narrows (Foster 2003). 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, "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.

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 are available from mid July through September. 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 specific salmon species.

Inseason management actions follow a generalized plan described in an annually issued "Harvest Strategy" (Brennan et al. 2002). This harvest strategy details a specific chronology of management actions related to salmon run timing by species. Sockeye salmon are the primary species on which fisheries are targeted from June through early July; some early run chum salmon stocks may influence management in localized areas. Pink salmon are the primary species managed for from early July through mid August, with some areas managed specifically for local sockeye salmon or chum salmon stocks. Late run sockeye, coho, and chum salmon are the primary management species from mid August through early September. Coho salmon are the primary management species after early September.

Board of Fisheries Approved Regulatory Management Plans

Several BOF approved "Management Plans" (MP), that describe biological and allocative constraints, guide the KMA staff when structuring 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 2002 (Table 8). These management plans reflect traditional fishing opportunities and the subsequent harvest allocations, determined by the BOF, that have resulted between and within gear types participating in specific fisheries.

Six MPs establish the harvest strategies which 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 on 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 are developed jointly by management and research biologists. Pink salmon returns are predicted by broad geographic area, while individual forecasts are made for major sockeye salmon stocks. Projected harvests are estimated by fishery and geographic area

(Table 9). These include forecasts and harvest estimates for supplemental and enhanced salmon production from stocking projects conducted by ADF&G and KRAA (Table 10).

The 2002 forecasted commercial harvest of sockeye salmon was approximately 2,202,000 fish (Table 9). This projection included formal forecasts for the major sockeye salmon systems of Karluk, Upper Station, Ayakulik, and Dog Salmon, plus estimated harvests from minor sockeye salmon systems, supplemental production (from enhancement projects), and the projected Cape Igvak Section harvest. The total 2002 KMA pink salmon harvest forecast was 11.0 million fish. This included a forecasted harvest of 6.0 million wild stock pink salmon, plus 5.0 million hatchery produced pink salmon. Preseason forecasts also predicted a harvest of 778,000 chum, 367,000 coho, and 20,000 chinook salmon. These estimates include supplemental production of chum and coho salmon from enhancement projects (Table 10).

Harvest Strategy

The 2002 Kodiak Area Commercial Salmon Fishery Harvest Strategy, released in May 2002, outline the approaching fishing season (Brennan et al. 2002). This document contained a synopsis of the expected chronology of the 2002 commercial salmon fisheries by species, expected escapements and harvests, an overview of selected regulations, and a summary of the MPs which guide management throughout the season.

The 2002 harvest strategy listed June 9 as the initial opening date of the salmon fishery to target early-run sockeye salmon. The areas to be opened included the Alitak Bay and Northwest Kodiak Districts, with the results of this 33 hour commercial test fishery to be used as a management tool to evaluate the actual run strength of the Karluk, Ayakulik, Frazer, and Upper Station early-run sockeye salmon stocks. June 9 was also listed as the initial opening date for enhanced early-run sockeye salmon stocks (supplemental production) in the Foul Bay and Waterfall Bay THAs, and the Duck, Izhut, and Kitoi Bay Sections. The second fishing period was scheduled for June 14, with extensions possible if sockeye salmon escapements were within or above desired levels. Additionally, the second period could allow more areas to open if sockeye salmon escapements to local minor systems were of sufficient strength. After June 15, additional fishing time was based solely on the strength of the sockeye salmon runs, as determined by escapements. The initial fishing period targeting pink salmon was listed as July 6, and projected weekly fishing periods for the months of July and August were given. The initial general pink salmon opening was set at 3.5 days, with fishing periods following in July and August set at 4.5 days per week, based on the predicted pink and chum salmon run strength.

General Harvest Information

As mentioned previously, there are several regulatory management plans and harvest strategies that influence the management of the KMA salmon fisheries. Specifics on each of these management plans for the 2002 KMA salmon fisheries are described in the following Appendices:

Appendix C - The Cape Igvak Salmon Management Plan (5AAC 18.360)

- Appendix D - The Alitak Bay District Salmon Management Plan (5AAC 18.361)
- Appendix E - The Westside Kodiak Management Plan (5AAC 18.362)
- Appendix F - The North Shelikof Strait Sockeye Salmon Management Plan (5AAC 18.363)
- Appendix G - The Eastside Afognak Management Plan (5AAC 18.365)
- Appendix H - The Spiridon Lake Sockeye Salmon Management Plan (5AAC 18.366)
- Appendix I - The Eastside Kodiak Salmon Management Plan (5AAC 18.367)
- Appendix J - The North Afognak/Shuyak Island Salmon Management Plan (5AAC 18.368)
- Appendix K - The Mainland District Salmon Management Plan (5AAC 18.369)

Appendix L contains a detailed table of the 2002 commercial salmon harvest in the KMA, by week for each management unit for all gear types combined.

2002 COMMERCIAL SALMON FISHERY SUMMARY

The 2002 Kodiak commercial salmon fishery began on June 9 with a 33-hour fishing period in the Northwest Kodiak and Alitak Bay Districts. Fisheries extended over a 100-day period, with the last reported landing occurring on September 26 (Appendix L.1).

A total of 11 shorebased plants processed salmon from the 2002 KMA fishery (Table 11). Of the 604 KMA eligible permit holders, only 242 participated (Table 5). By gear type, a total of 93 set gillnet, and 149 purse seine permit holders fished; there was no participation by beach seiners in 2002. This was the lowest participation by seine and set gillnet fishers since the inception of limited entry (excluding the 1989 *M/V Exxon Valdez* oil spill season; Table 5).

Harvest

A total of 21,318,146 salmon were harvested in the KMA commercial fisheries, which was slightly below the 10-year (1992-2001) average of 21,506,221 salmon (Table 4).

Seine fishers caught 87.2% of the total number of salmon harvested (Table 12), which included 67.6% of the sockeye, 89.0% of the pink, and 88.9% of the chum salmon harvest. Set gillnet fishers caught 12.8% of the commercial salmon harvest (Table 12), which included 32.4% of the sockeye salmon harvest.

Chinook Salmon

The chinook salmon harvest (19,263) was less than the 1992 - 2001 average (21,017; Table 4). The average weight (9.97 pounds; Tables 12 and 13) was also smaller than recent years harvests. 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.

Sockeye Salmon

The sockeye salmon harvest (1,824,848) was less than both the early-run and late-run forecasts (2.20 million; Table 4 and 9) and below the 1992 through 2001 average catch (3,721,788; Table 4). The average weight of sockeye salmon (5.65 pounds; Tables 12 and 13) was similar to the average weights of sockeye salmon harvested in recent years.

Pink Salmon

Based on the preseason forecast, fishing periods in July were set at 3.5 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. 2002). The wild pink salmon returns were variable; however, the runs were near escapement objectives for all districts, so fishing periods proceeded as scheduled.

Overall, the pink salmon harvest (18,327,818) was well over the forecasted harvest (11.0 million; Table 9) and above the most recent five even-year (1992-2000) average (9,389,994; Table 4). The average weight (3.68 pounds; Tables 12 and 13) of the 2002 pink salmon catch was similar to recent years' harvests. The wild stock pink salmon harvest (11,631,000; Table 9) was over the harvest projection (6.0 million; Table 9) with westside fisheries (Southwest Afognak to Ayakulik) accounting for over half of the estimated total (9,047,600 harvest, forecast 4.0 million; Table 9). Fisheries associated with the Kitoi Bay Hatchery caught approximately 6,696,800 pink salmon (forecast 5.0 million; Table 9).

Chum Salmon

The chum salmon harvest (650,144) was below forecast (778,000; Table 9) and below the 1992 - 2001 average (807,153; Table 4). The average weight of chum salmon was 7.79 pounds (Tables 12 and 13). Westside fisheries harvested 200,400 chum salmon (forecast 294,000; Table 9), east/northend Kodiak harvests totaled approximately 254,100 chum salmon (forecast 165,000), and Mainland harvests totaled about 89,700 chum salmon (forecast 175,000). The Kitoi Hatchery chum harvest (88,700) was more than the hatchery forecast of 78,000 (Table 9).

Coho Salmon

The coho salmon harvest (496,100) was well above forecast (367,000; Table 9) and the 1992 through 2001 average (324,360; Table 4). The average weight of coho salmon (7.72 pounds; Tables 12 and 13) was slightly lower than recent years salmon. Westside fisheries caught over 134,500 coho (forecast 105,000; Table 9), the eastside/north end Kodiak catch was 89,600 coho (forecast 54,000), Afognak catches included 41,500 coho (forecast 55,000) with particularly strong runs to North Afognak and Shuyak. The Kitoi Hatchery coho harvest was 209,300, exceeding the hatchery forecast of 127,000 (Table 9).

Exvessel Value

The estimated total exvessel value of the 2002 fishery was \$12,285,258 (Table 12). This is the lowest estimated value since 1975, and is well below the 1992 through 2001 average value of \$31,960,596 (Table 14). This exvessel value is based on inseason price estimates. The inseason values do not reflect additional payments made to fishers for dock deliveries or refrigerated or iced fish. For example, a postseason adjustment of \$0.05 per pound for pink salmon would increase the total exvessel value by almost \$3,500,000.

Purse seine fishers caught 87.2% of the total number of salmon harvested (Table 12) and gross earnings per permit holder averaged \$66,398 (1992-2001 average \$91,962; Tables 12 and 14). This was the lowest seine average exvessel value since 1997. Gillnet fishers caught 12.8% of the number of salmon harvest (Table 12) and gross earnings per permit holder averaged \$25,720 (1992-2001 average \$46,522; Tables 12 and 14). This was the lowest gillnet average exvessel value since 1983.

SALMON STOCK STATUS

In 2002 fish counting weirs were operated on the major systems of Karluk Lake (at Karluk Lagoon), Red Lake (at the Ayakulik River outlet), Frazer Lake (at the Dog Salmon River outlet), and Olga Lakes (at the outlet of Olga Creek at Upper Station), and also on the smaller systems of Afognak Lake (at Litnik), Buskin Lake, Saltery Lake, Laura Lake (at Pauls Bay), Malina Lake, Little Kitoi Lake, Little River and at Bear Creek on Shuyak Island (Kuriscak *in press*; Table 6, Figure 2). In 2002 six observers flew 26 aerial surveys of KMA streams and six observers completed approximately 30 foot surveys of streams. A total of 367 escapement observations were made in 2002 (Appendix M.1 - M.8.).

Chinook Salmon

The KMA chinook salmon indexed escapement totaled 20,115 fish in 2002 (Kuriscak *In press*; Table 2). The aggregate chinook salmon escapement goal (8,400-16,900; Schwarz et al. 2002) was exceeded. The Ayakulik River chinook salmon escapement totaled 12,552, exceeding the escapement goal range of 4,800 - 9,600 (Schwarz et al. 2002). The Karluk River escapement was 7,175 chinook salmon, meeting the escapement goal range of 3,600 - 7,300 (Schwarz et al. 2002). The Dog Salmon River has an introduced run of chinook salmon and a total of 383 were counted through the Dog Salmon weir (Kuriscak *in press*; Table 6).

Sockeye Salmon

Sockeye salmon escapements for major and selected minor systems were enumerated through the use of fish counting weirs (Kuriscak *in press*; Table 6). Fish counted into weired systems accounted for about 97% of all documented sockeye salmon escapements in 2002. A total of

1,568,845 sockeye salmon were counted through KMA weirs. Additional escapements of 52,245 sockeye salmon were estimated by aerial survey into other systems such as Kafia Lake, Uganik Lake, and Swikshak Lagoon. The 2002 total indexed sockeye salmon escapement was 1,621,090 fish. The escapement goal range for all systems is 1,279,000 - 1,888,000 sockeye salmon (Table 2).

Pink Salmon

The 2002 pink salmon escapements in the Afognak, Northwest Kodiak, Southwest Kodiak, Alitak Bay, Eastside Kodiak, Northeast Kodiak, and Mainland Districts all met or exceeded the escapement goals. The majority of pink salmon escapements were monitored by aerial survey, with approximately 33% of the 2002 pink salmon escapement occurring in weired systems. Pink salmon escapements overall totaled 8,396,402 exceeding the even-year upper escapement goal (range 2,398,000 - 5,994,000 pink salmon; Table 2). The notable exception was the Ayakulik River which had a weak pink salmon escapement of 352,853 (Kuriscak *in press*) which was below the escapement goal range of 400,000 - 800,000 (Nelson and Lloyd 2001; Table 6).

Chum Salmon

The 2002 chum salmon escapements in the Northwest Kodiak, Southwest Kodiak, Alitak Bay, Eastside Kodiak, Northeast, and Mainland Districts all met or exceeded the desired escapement goals. The majority of chum salmon escapement counts came from aerial surveys, with less than 2% of the 2002 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. Areawide, the indexed chum salmon escapement of 530,591 fish (Kuriscak *in press*) was within the escapement goal range of 273,000 - 819,000 fish (Nelson and Lloyd 2001; Table 2).

Coho Salmon

Estimating coho salmon escapements to KMA streams has many of the same limitations listed above for chum salmon escapement surveys. In addition, coho salmon often do not migrate into streams to spawn until late in the fall when rains cause the water levels to raise. 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 goals; 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 64% of the documented coho salmon escapement. Overall, coho salmon escapements appeared excellent in 2002, with the escapement estimated at 168,271, well over the 55,300 - 94,275 escapement goal range (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. 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 01.500).

The following subsistence harvest reports are preliminary for 2002. Many of the 2002 subsistence permits have not been returned at the time this report was drafted. Reported subsistence salmon harvests averaged 33,043 fish annually for the previous 10-year period 1992-2001 (Table 15). Sockeye salmon accounted for 75% of the harvest (24,768), followed by coho salmon at 19% (6,229), pink salmon at 4% (1,357), chum salmon at 1% (404), and chinook salmon at less than 1% (285). In 2002 the reported subsistence harvest was 42,181 salmon. Subsistence fishers reported harvesting 13,541 sockeye, 6,055 coho, 1,643 pink, 350 chum, and 592 chinook 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 Afognak Bay (Figure 2).

Retention of Fish Taken in Commercial Fisheries

In 1993 the BOF readopted Alaska Statute 5 AAC 01.021 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 (ADF&G 2002). The first reported retention occurred in 1997 with 10 permits retaining 784 salmon (Table 16). Reported retention increased in 2002 with 33 permits retaining 33,612 salmon (Table 16).

Salmon Sport Fishery

Since the early 1980s recreational and commercial sport fishing activities have increased, particularly in the more remote areas of the KMA. 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 fish regulatory area, which do 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. Only Kodiak Archipelago sport fish statistics are given in this report.

The estimated 2002 Kodiak Archipelago sport harvest⁶ was 4,136 chinook, 9,672 sockeye, 29,957 coho, 9,022 pink, and 104 chum salmon (Table 17). Sport fishing effort, as measured by angler days, has steadily increased in the Kodiak regulatory area (Howe et al. 1998). The most popular sport fishery, based on angler effort, is the fresh and marine water fishery adjacent to the Kodiak road system. An increase in effort and harvest of chinook salmon has occurred at both the Karluk and Ayakulik Rivers, and since 1992 a chinook salmon troll sport fishery has developed in Chiniak Bay (Schwarz et al. 2002).

⁶ This represents estimates of fish landed and kept, and does not include estimates of catch and release.

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Table 1. Estimated number of anadromous streams with significant salmon production by district, with species distribution, in the Kodiak Management Area, 2002.

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 identifies over 800 streams in the Kodiak Management Area which 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 2003 Kodiak Area Salmon Statistical Map, and have documentable use each year.

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

Table 2. Salmon escapement goals versus 2002 estimated escapement, by species and district, in the Kodiak Management Area, 2002.

DISTRICT	SOCKEYE ESCAPEMENT		PINK ESCAPEMENT		CHUM ESCAPEMENT		COHO ESCAPEMENT		CHINOOK ESCAPEMENT	
	AGGREGATE GOAL	DISTRICT ESTIMATE	EVEN-YEAR DISTRICT GOAL	DISTRICT ESTIMATE	DISTRICT GOAL	DISTRICT ESTIMATE	AGGREGATE GOAL	DISTRICT ESTIMATE	AGGREGATE GOAL	DISTRICT ESTIMATE
	Lower		Lower		Lower		Lower		Lower	
	Upper		Upper		Upper		Upper			
AFOGNAK	70,000	84,248	145,000	277,201		1,417	12,950	35,111		1
	120,000		435,000				22,500			
NORTHWEST	55,000	61,414	315,000	1,964,910	46,000	68,630		10,200		0
	85,000		945,000		138,000					
SOUTHWEST	750,000	1,094,868	1,250,000	2,412,266	25,000	56,238	22,000	58,582	8,400	19,727
	1,100,000		2,550,000		75,000		38,000		16,900	
ALITAK	380,000	303,619	162,000	1,961,562	26,000	44,745	8,500	25,298		387
	535,000		486,000		78,000		14,500			
EASTSIDE	16,000	48,286	150,000	637,579	35,000	149,186	4,500	10,331		0
	35,000		450,000		105,000		8,000			
NORTHEAST	8,000	20,755	120,000	240,959	8,000	13,200	7,350	16,149		0
	13,000		360,000		24,000		11,275			
MAINLAND		7,900	256,000	901,925	133,000	197,175		12,600		0
			768,000		399,000					
TOTAL	1,279,000	1,621,090	2,398,000	8,396,402	273,000	530,591	55,300	168,271	8,400	20,115
	1,888,000		5,994,000		819,000		94,275		16,900	

Table 3. Potential versus actual salmon production (wild stock) in the Kodiak Management Area, 2002.

SPECIES	PRODUCTION POTENTIAL			HARVEST		
	LONG TERM AVERAGE			POTENTIAL	ACTUAL	
	Targeted Escapement Goal ^a	Return Per Spawner ^b	Potential Total Return	Long Term Average (Total Return Minus Targeted Escapement)	53 Year Average (1948 - 2001) ^c	10 Year Average (1992 - 2001) ^c
CHINOOK	15,000	2.5	37,500	22,500	6,351	21,017
SOCKEYE	1,710,000	3.7	6,327,000	4,617,000	1,490,757	3,721,788
COHO	150,000	2.5	375,000	225,000	129,529	324,360
PINK						
<i>Odd year</i>	3,000,000	3.0	9,000,000	6,000,000	9,353,715	23,873,813
<i>Even year</i>	4,500,000	3.0	13,500,000	9,000,000	8,982,891	9,389,994
CHUM	550,000	2.8	1,540,000	990,000	779,438	807,153
TOTAL						
<i>Odd year</i>			17,279,500	11,854,500	11,759,790	28,748,131
<i>Even year</i>			21,779,500	14,854,500	11,388,966	14,264,312

^a The expected indexed escapement within the biological escapement goal range. KMA fisheries are normally managed to achieve this level of escapement.

^b Return per spawner (R/S) will vary each year. These values are averages around which natural survival and return will fluctuate. RPS for sockeye salmon from Prokopowich (1995), for pink salmon from Swanton et al (1993), and all others from Barrett (personal communication, October 1993).

^c 1989 harvest data not included in averages. Fisheries were severely restricted in 1989 due to the M/V Exxon Valdez oil spill.

Table 4. Historic salmon catch, by species, in the Kodiak Management Area, 1882-2002.

Year ^a	Number of Salmon					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 ^a	Number of Salmon					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 ^a	Number of Salmon					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	1,287,663	2,599	183,222	19,964	1,493,554
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
AVERAGES ^b						
1992-2001	21,017	3,721,788	324,360	16,631,904	807,153	21,506,221
Even Years, 1992-2000				9,389,994		
Odd Years, 1993-2001				23,873,813		
1882-2001	4,123	1,735,601	108,384	6,904,709	583,875	9,336,692
1948-2001 ⁱ	6,235	1,490,757	129,529	8,995,086	779,438	11,403,560
Even Years, 1948-2000 ^a				8,982,891		
Odd Years, 1949-2001 ^a				9,353,715		

^a 1882-1947 is data from processors case pack information. 1948-2002 data is from ADF&G fish ticket summaries and is considered more accurate than previous data.

^b Averages do not include 1989. Fisheries were severely limited due to the *M/V Exxon Valdez* oil spill, and the 1989 catch data presented is the projected catch had there been no fishery restrictions (Barrett et al. 1990).

Table 5. Summary of limited entry permit activity in the commercial salmon fishery, by gear type, in the Kodiak Management Area, 1975-2002.

Year	Purse Seine ^a		Beach Seine ^a		Set Gillnet ^a		Total ^a		
	Fishable	Fished	Fishable	Fished	Fishable	Fished	Fishable	Fished	Percent
1975	468	280	26	8	229	116	723	404	56
1976	394	325	23	17	187	140	604	482	80
1977	378	336	32	24	186	147	596	507	85
1978	389	372	34	29	188	160	611	561	92
1979	387	362	34	28	186	164	607	554	91
1980	387	370	35	33	187	168	609	571	94
1981	387	325	35	30	187	169	609	524	86
1982	386	345	35	30	187	170	608	545	90
1983	383	342	35	27	188	174	606	543	90
1984	384	296	35	25	188	168	607	489	81
1985	384	270	34	21	188	169	606	460	76
1986	385	287	34	14	187	174	606	475	78
1987	386	297	33	18	188	173	607	488	80
1988	387	323	33	21	188	179	608	523	86
1989 ^b	387	4	33	1	189	87	609	92	15
1990	388	354	33	21	189	184	610	559	92
1991	388	348	33	17	189	185	610	550	90
1992	387	335	33	12	189	178	609	525	86
1993	387	324	34	9	190	176	611	509	83
1994	387	285	34	5	190	169	611	459	75
1995	386	312	34	8	189	173	609	493	81
1996	384	261	34	6	189	172	607	439	72
1997	384	261	34	5	188	174	606	440	73
1998	384	217	34	2	188	171	606	390	64
1999	383	220	34	4	188	173	605	397	66
2000	383	223	34	2	188	173	605	398	66
2001	383	182	34	0	188	172	605	354	59
2002	382	149	34	0	188	93	604	242	40
<u>Average - Past 10 Years:</u>									
1992-2001	385	262	34	5	189	173	607	440	73
<u>Average^c - Previous Decades:</u>									
1991-2000	385	279	34	7	189	174	608	460	76
1980-1990 ^c	386	321	34	24	188	173	608	518	85
1975-1979	403	335	30	21	195	145	628	502	81
<u>Average^c - Overall</u>									
1975-2002	389	296	33	15	190	165	611	477	78

^a Fishable permits are those available for use, from Commercial Fisheries Entry Commission records. Fished permits are those actually reporting landings, from CFEC reports or ADF&G Fish Ticket summaries.

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

^c 1989 data is not included in averages.

Table 6. Escapement summary for systems with fish weirs in the Kodiak Management Area, 2002.

Weir Locations	Dates		Salmon Species Enumerated					Total
	Installed	Removed	Sockeye	Chinook	Pink	Coho	Chum	
1. Karluk	5/23	9/27	865,576	7,175	1,694,513	32,251	70	2,599,585
2. Ayakulik	5/20	9/7	229,292	12,552	352,853	26,331	68	621,096
3. Dog Salmon	5/30	8/27	105,988	383	561,450	6,552	6,096	680,469
4. Frazer ^a	6/13	8/15	85,317	211	1	0	0	85,529
5. Upper Station	5/26	9/20	187,151	4	7,625	13,065	16	207,861
6. Akalura ^b	6/1	9/9	7,635	0	28,046	4,528	0	40,209
7. Saltery ^c	7/1	9/12	36,336	0	2,629	1,306	86	40,357
	5/23	8/8						
8. Buskin ^c	8/13	9/30	17,174	0	62,759	10,649	65	90,647
9. Lake Louise	6/1	8/15	3,581	0	0	0	0	3,581
10. Litnik	5/27	8/24	19,520	1	76,242	8,654	3	104,420
11. Pauls Bay ^b	6/1	8/11	31,911	0	5,826	2,325	1,414	41,476
12. Malina ^b	5/19	6/27	32,214	0	0	0	0	32,214
13. Big Bay (Shuyak)	8/17	9/13	2	0	118	1,582	0	1,702
14. Bear Creek (Shuyak)	8/20	9/13	1	0	41	440	0	482
15. Little River	5/29	7/15	34,064	0	0	0	0	34,064

^a Frazer salmon are initially counted through Dog Salmon weir.

^b Includes a post-weir aerial estimate of salmon in the lagoon and lower river.

^c Includes a pre-weir aerial estimate.

Table 7. Historical indexed salmon escapements, by species, in the Kodiak Management Area, 1975-2002.

Year ^a	Number of Salmon					
	Chinook	Sockeye	Coho	Pink	Chum	TOTAL
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
<u>Average - Previous 10 Years:</u>						
1992-2001	24,486	1,823,058	203,943	4,793,362	535,306	7,380,155
Odd Years Only				5,096,439		
Even Years Only				4,490,286		
<u>Average - Previous Decades:</u>						
1990-1999	24,799	1,957,282	208,214	5,038,071	529,519	7,757,885
1980-1989	18,409	1,839,030	117,532	4,979,315	811,559	7,765,845
1975-1979	10,880	1,092,111	51,246	2,898,457	460,489	4,513,182
<u>Average - Overall</u>						
1975-2001	19,884	1,722,301	144,661	4,677,070	632,523	7,196,439

^a Includes peak counts from aerial and foot surveys, plus end of season totals from weired systems.

^b 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, 2002.

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. Commercial salmon harvest projections and actual harvests for the Kodiak Management Area, 2002.

	Chinook	Sockeye	Coho	Pink	Chum	Total
Projected Harvest 2002 ^a	20,000	2,202,000	367,000	11,000,000	778,000	14,367,000
Actual Harvest 2002 ^a	19,300	1,824,800	496,100	18,327,800	650,100	21,318,100

FISHERY	2002 Harvest	
	Projection ^b	Actual ^c
Early Sockeye Salmon Fisheries (6/9-7/15)		
Kitoi Bay Hatchery ^d	1,000	7,100
Cape Igvak ^e	105,000	143,900
Karluk ^f	273,000	430,700
Ayakulik ^g	255,000	7,200
Frazer ^h	325,000	4,200
Upper Station ^h	64,000	0
Minor Systems ⁱ	30,000	31,900
Minor Enhancement ^j	122,000	60,400
Spiridon ^k	55,000	280,500
Other	75,000	92,300
<u>Subtotal</u>	<u>1,305,000</u>	<u>1,058,200</u>
Late Sockeye Salmon Fisheries (7/16-10/31)		
Kitoi Bay Hatchery ^d	7,000	21,900
Cape Igvak ^e	105,000	7,700
Karluk ^f	235,000	460,300
Ayakulik ^g	49,000	0
Frazer ^h	57,000	0
Upper Station ^h	202,000	10,400
Minor Systems ⁱ	15,000	12,300
Spiridon ^k	167,000	211,100
Other	60,000	42,900
<u>Subtotal</u>	<u>897,000</u>	<u>766,600</u>
TOTAL SOCKEYE	2,202,000	1,824,800
Pink Salmon Fisheries (7/6-10/31)		
Kitoi Bay Hatchery ^d	5,000,000	6,696,800
Afognak (Wild) ^l	500,000	472,600
Westside Kodiak ^m	4,000,000	9,047,600
Alitak ⁿ	600,000	1,078,100
Eastside/Northend Kodiak ^o	500,000	709,800
Mainland ^p	400,000	322,900
<u>Subtotal</u>	<u>11,000,000</u>	<u>18,327,800</u>

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Table 9. (page 2 of 3)

FISHERY	2002 Harvest	
	Projection ^b	Actual ^c
Chum Salmon Fisheries (6/9-10/31)		
Kitoi Bay Hatchery ^d	78,000	88,700
Afognak (Wild) ¹	22,000	7,000
Westside Kodiak ^m	294,000	200,400
Alitak ⁿ	44,000	10,200
Eastside/Northend Kodiak ^o	165,000	254,100
Mainland ^p	175,000	89,700
Subtotal	778,000	650,100
Coho Salmon Fisheries (8/1-10/31)		
Kitoi Bay Hatchery ^d	127,000	209,300
Afognak (Wild) ¹	55,000	41,500
Westside Kodiak ^m	105,000	134,500
Alitak ⁿ	10,000	1,100
Eastside/Northend Kodiak ^o	54,000	89,600
Mainland ^p	16,000	20,100
Subtotal	367,000	496,100
GRAND TOTAL ^q	14,367,000	21,318,100

^a In number of salmon (rounded to nearest hundred). Does not include ADF&G test fish harvests. In 2002, test fish harvests included 719 sockeye, 254 pink, and 34 chum salmon; personal use harvest included 57 chinook, 5,447 sockeye, 566 pink, 7,542 coho salmon.

^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 just the catch assigned to an individual salmon stock.

^d From the Duck Bay, Izhut Bay, and Kitoi Bay Section only. Additional fish bound for Kitoi were likely harvested in parts of the Southeast Afognak Section (252-33 and 252-35).

^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. The 2002 Frazer and Upper Station harvest is based on preliminary stock separation analysis.

-Continued-

Table 9. (page 3 of 3)

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- ⁱ From minor systems at Inner and Outer Ugak Bay (Saltery), Buskin River, Perenosa Bay (Portage), Northwest Afognak (Thorsheim & Long Lagoon), Big River (Swikshak), and Outer Kukak Bay (Kafliia & Kuliuk) Sections.
 - ^j From the Malina Creek, Foul Bay, Waterfall Bay, and Settler Cove Terminal Harvest Areas, plus enhanced production from the Afognak (Litnik) and Laura Lakes system (Pauls Bay).
 - ^k From the Spiridon Lake Terminal Harvest Area (Telrod Cove) 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 and the Northwest Kodiak District except for the North Cape, Anton Larson, Sheratin, and Kizhuyak Section, plus part of the Central Section (259-36, 259-37, and 259-38).
 - ⁿ From the Alitak Bay District.
 - ^o From the Eastside Kodiak District, Northeast Kodiak District, and the North Cape, Anton Larson, Sheratin, and Kizhuyak Sections, plus part of the Central Section (259-36, 259-37, and 259-38).
 - ^p From the Mainland District.
 - ^q Includes a projected 2002 harvest of 20,000 chinook salmon, and the actual harvest of 19,300 chinook salmon.

Table 10. The 2002 forecast of salmon available for harvest and actual harvests from KRAA stocking projects in the Kodiak Management Area.

System	Species	Forecast			Expected Harvest	Actual Harvest	Stat. Areas
		Estimate	Low	High			
Spiridon Lake ^a	sockeye	222,000	144,000	299,000	222,000	491,636	^a
Hidden Lake ^a	sockeye	48,600	32,400	64,800	48,600	45,820	251-41, 251-40 (thru 7/8)
L. Waterfall Lake ^a	sockeye	21,200	7,100	35,400	21,200	15,616	251-84
Crescent Lake ^a	sockeye	11,000	4,600	18,600	11,000	715	259-35
	coho	6,600	3,300	9,900	6,600	0	259-35
Kitoi Bay Area ^a	pink ^b	4,800,000	3,000,000	6,400,000	4,500,000	6,696,774	252-30, 252-31, 252-32
	chum ^b	108,000	82,000	143,600	78,000	88,724	252-30, 252-31, 252-32
	coho ^b	133,200	89,200	177,200	127,200	209,259	252-30, 252-31, 252-32
	ER sockeye ^c	900	600	1,400	900	5,469	252-30, 252-31, 252-32
	LR sockeye ^d	7,300	3,700	12,900	7,300	23,515	252-30, 252-31, 252-32
	Total sockeye	8,200	4,300	14,300	8,200	28,984	252-30, 252-31, 252-32
Afognak Lake	sockeye	8,200	5,400	11,000	^f	0	252-34
Malina Lake	sockeye	20,700	13,800	27,700	^g	4,057	
Paul's/Laura Lake	sockeye	5,500	2,700	8,200	^h	5,905	251-82, 251-83 after 7/2
Katmai Lake ^a	coho	1,500	750	2,250	1,500	unavailable	
Totals:	pink	4,800,000	3,000,000	6,400,000	4,500,000	6,696,774	
	chum	108,000	82,000	143,600	78,000	88,724	
	coho	141,300	93,250	189,350	135,300	209,259	
	sockeye	348,200	214,300	479,000	311,000	592,733	

^a Barrired systems and/or with Terminal Harvest Areas. Spiridon Lake THA harvest was 199,539 sockeye salmon; the ratios of previous harvest in SLTHA, and other districts where Spiridon Lake fish have been harvested were applied to estimate total harvest in 2002.

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

^c From Little Kitoi Lake stocking.

^d From Little Kitoi Lake, Kitoi Bay, Jennifer Lake, and Ruth Lake stocking. Approximately 2,500 of the late-run fish are projected from Saltery Lake stock releases.

^e System has natural sockeye run; expected harvest not available. Run is not regularly forecast.

^f System has natural sockeye run; expected harvest not available. Run was forecast to be ~52,000, based on smolt estimates.

^g System has natural sockeye run; expected harvest not available.

Table 11. Commercial salmon buyers and processors, Kodiak Management Area, 2002.

Buyers/Processors	Shorebased Processors			Floating Processors			Product	
	Kodiak City	Kodiak Borough	Other Areas	Kodiak City	Kodiak Borough	Other Areas	Canned	Frozen
Alaska Pacific Seafoods	X						X	X
True World Seafoods	X							X
Don Vinberg	X							X
Kodiak King Crab/Ocean Beauty	X						X	X
Norman Botz	X							X
Wards Cove Packing -Alitak		X					X	X
Western Alaska Seafoods	X							X
Island Seafoods	X							X
Alaska Fresh Seafood	X							X
Bob Bowhay	X							X
Deep Creek, Homer			X					X

Table 12. Commercial salmon harvest and value by gear type and species, in the Kodiak Management Area, 2002.

	Number of Salmon						Total	%
	Chinook	Sockeye	Coho	Pink	Chum			
Purse Seine								
Total # ^a	16,957	1,233,988	445,337	16,305,849	577,380	18,579,511	87.2	
<u>Avg. Wt.</u>	<u>10.12</u>	<u>5.57</u>	<u>7.66</u>	<u>3.65</u>	<u>7.77</u>			
Total Lbs. ^a	171,539	6,872,938	3,412,916	59,422,666	4,487,805	74,367,864	85.6	
<u>Avg. \$/Lb. ^b</u>	<u>\$0.75</u>	<u>\$0.59</u>	<u>\$0.19</u>	<u>\$0.08</u>	<u>\$0.14</u>			
Exvessel \$	128,581	4,020,815	633,864	4,477,784	632,229	9,893,272	80.5	
# of Permits =	149							
Average Value \$	863	26,985	4,254	30,052	4,243	66,398		
Percent %	1.30	40.64	6.41	45.26	6.39	100.00		
Set Gillnet								
Total # ^a	2,306	590,860	50,736	2,021,969	72,764	2,738,635	12.8	
<u>Avg. Wt.</u>	<u>8.89</u>	<u>5.82</u>	<u>8.16</u>	<u>3.99</u>	<u>7.89</u>			
Total Lbs. ^a	20,503	3,439,621	414,185	8,070,957	574,241	12,519,507	14.4	
<u>Avg. \$/Lb. ^b</u>	<u>\$0.61</u>	<u>\$0.52</u>	<u>\$0.20</u>	<u>\$0.06</u>	<u>\$0.12</u>			
Exvessel \$	12,568	1,779,328	81,137	448,570	70,382	2,391,986	19.5	
# of Permits =	93							
Average Value \$	135	19,133	872	4,823	757	25,720		
Percent %	0.53	74.39	3.39	18.75	2.94	100.00		
Total All Gear								
Total # ^a	19,263	1,824,848	496,073	18,327,818	650,144	21,318,146	100.0	
<u>Avg. Wt.</u>	<u>9.97</u>	<u>5.65</u>	<u>7.72</u>	<u>3.68</u>	<u>7.79</u>			
Total Lbs. ^a	192,042	10,312,559	3,827,101	67,493,623	5,062,046	86,887,371	100.0	
<u>Avg. \$/Lb. ^b</u>	<u>\$0.73</u>	<u>\$0.56</u>	<u>\$0.19</u>	<u>\$0.07</u>	<u>\$0.14</u>			
Exvessel \$	141,149	5,800,143	715,001	4,926,354	702,611	12,285,258	100.0	
% of Total Value	1.15	47.21	5.82	40.10	5.72	100.0		
Test Fishery								
Total # ^a	0	719	0	254	34	1,007	0.0	
<u>Avg. Wt.</u>	<u>0.00</u>	<u>5.78</u>	<u>0.00</u>	<u>4.07</u>	<u>8.71</u>			
Total Lbs. ^a	0	4,155	0	1,033	296	5,484	0.0	
<u>Avg. \$/Lb. ^b</u>	<u>\$0.00</u>	<u>\$0.49</u>	<u>\$0.00</u>	<u>\$0.06</u>	<u>\$0.12</u>			
Exvessel \$	0.00	2,056	0.00	57	36	2,148	0.0	

^a Numbers and pounds of fish are derived from ADF&G fish ticket summaries. There were 8,106 fish tickets in 2002; each ticket represents a landing. Each gear type had the following landings: Purse Seine - 4,665; Beach Seine - 0; Set Gillnet - 3,408; and Test Fishery - 33. This does not include personal use or subsistence fishery harvests. Personal use fishers made 56 landings, harvesting 57 chinook, 5,447 sockeye, 566 pink, and 7,542 coho salmon.

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

Table 13. Salmon average weights and average prices per pound, by species, from commercial salmon fisheries of the Kodiak Management Area, 1991-2002.

Year	Gear Type	Average									
		Chinook		Sockeye		Coho		Pink		Chum	
		Weight	Price	Weight	Price	Weight	Price	Weight	Price	Weight	Price
1992	Purse Seine	14.60	\$1.02	5.79	\$1.47	8.01	\$0.56	3.69	\$0.18	7.20	\$0.39
	Beach Seine	19.34	\$1.02	4.68	\$1.47	10.36	\$0.56	3.59	\$0.18	7.43	\$0.39
	Gillnet	12.31	\$1.00	5.28	\$1.46	8.98	\$0.59	4.05	\$0.16	7.49	\$0.33
1993	Purse Seine	11.94	\$0.78	5.12	\$0.88	6.60	\$0.47	3.08	\$0.16	5.95	\$0.28
	Beach Seine	21.06	\$0.78	4.78	\$0.88	8.57	\$0.47	3.23	\$0.16	6.25	\$0.28
	Gillnet	11.53	\$0.60	5.14	\$0.85	7.12	\$0.35	3.79	\$0.15	6.12	\$0.22
1994	Purse Seine	13.73	\$0.72	4.92	\$1.27	8.57	\$0.69	3.76	\$0.18	7.43	\$0.23
	Beach Seine	21.65	\$0.72	4.94	\$1.27	8.44	\$0.69	4.14	\$0.18	8.16	\$0.23
	Gillnet	15.95	\$0.58	5.11	\$1.26	9.26	\$0.70	4.12	\$0.17	7.16	\$0.23
1995	Purse Seine	13.78	\$0.70	5.01	\$1.07	8.02	\$0.41	3.46	\$0.17	7.49	\$0.28
	Beach Seine	24.67	\$0.70	4.24	\$1.07	8.67	\$0.41	3.78	\$0.17	7.95	\$0.28
	Gillnet	24.67	\$0.63	4.24	\$1.03	8.67	\$0.36	3.78	\$0.16	7.95	\$0.24
1996	Purse Seine	14.57	\$0.65	5.66	\$0.89	7.98	\$0.43	3.34	\$0.07	8.13	\$0.15
	Beach Seine	0.00	\$0.00	5.50	\$0.89	8.43	\$0.43	3.69	\$0.07	8.00	\$0.15
	Gillnet	9.43	\$0.66	5.73	\$0.90	8.76	\$0.41	3.98	\$0.07	8.30	\$0.13
1997	Purse Seine	9.97	\$0.64	5.20	\$0.94	7.92	\$0.57	3.31	\$0.16	8.02	\$0.19
	Beach Seine	0.00	\$0.00	4.88	\$0.94	8.94	\$0.57	3.46	\$0.16	9.22	\$0.19
	Gillnet	9.87	\$0.66	5.33	\$0.98	8.27	\$0.51	3.85	\$0.16	7.92	\$0.18
1998	Purse Seine	14.43	\$0.72	4.72	\$1.16	8.39	\$0.37	3.65	\$0.15	7.80	\$0.19
	Beach Seine	0.00	\$0.00	4.71	\$0.82	9.83	\$0.40	3.64	\$0.12	7.79	\$0.15
	Gillnet	13.97	\$0.63	5.12	\$1.19	8.74	\$0.36	4.05	\$0.16	7.80	\$0.19
1999	Purse Seine	12.65	\$0.68	5.21	\$1.07	7.34	\$0.40	3.01	\$0.14	7.95	\$0.19
	Beach Seine	0.00	\$0.00	5.22	\$1.06	0.00	\$0.00	3.14	\$0.14	9.38	\$0.19
	Gillnet	13.32	\$0.67	5.38	\$1.12	7.72	\$0.42	3.51	\$0.14	7.67	\$0.17
2000	Purse/Beach Seine	14.92	\$0.66	5.76	\$0.89	7.96	\$0.48	3.21	\$0.14	8.15	\$0.22
	Gillnet	14.93	\$0.64	5.69	\$0.90	8.21	\$0.50	3.73	\$0.14	8.29	\$0.23
2001	Purse Seine	14.13	\$0.60	5.44	\$0.65	7.73	\$0.20	3.41	\$0.09	8.12	\$0.27
	Gillnet	11.54	\$0.52	5.72	\$0.66	8.24	\$0.20	3.98	\$0.10	8.38	\$0.27
2002	Purse Seine	10.12	\$0.75	5.57	\$0.59	7.66	\$0.19	3.65	\$0.08	7.77	\$0.14
	Gillnet	8.89	\$0.61	5.82	\$0.52	8.16	\$0.20	3.99	\$0.06	7.89	\$0.12

^a Average weight information is derived from ADF&G fish ticket summaries.

^b Average price per pound figures are based on CFEC reports

^c Average price per pound figures are from ADF&G fish ticket data base. These average prices do not reflect payments made to fishers for iced fish, dock deliveries, and postseason settlements.

Table 14. Estimated commercial salmon harvest and value, by gear type, in the Kodiak Management Area, 1970 - 2002.

Year	Total Catch ^a	Total Value ^b	Average Exvessel Value		
			Purse Seine	Beach Seine	Set Net
1970	13,949,206	\$21,658,000	\$41,880	\$10,470	\$21,083
1971	6,378,179	\$4,973,000	\$13,397	\$2,919	\$3,015
1972	3,883,197	\$3,909,000	\$9,233	\$647	\$1,451
1973	1,001,343	\$2,094,000	\$5,075	\$251	\$852
1974	3,329,427	\$4,808,000	\$15,993	\$4,406	\$4,828
1975	3,187,410	\$3,831,000	\$13,300	\$5,600	\$3,849
1976	12,484,451	\$16,976,000	\$43,017	\$11,035	\$14,481
1977	7,976,691	\$18,873,142	\$46,942	\$12,107	\$19,117
1978	16,942,215	\$30,357,179	\$70,685	\$14,772	\$22,711
1979	12,420,260	\$22,958,317	\$51,263	\$20,348	\$23,363
1980	19,157,249	\$27,410,296	\$62,363	\$23,385	\$21,215
1981	13,094,099	\$32,647,230	\$79,877	\$26,946	\$34,785
1982	10,891,952	\$18,803,822	\$39,309	\$11,038	\$28,889
1983	7,081,976	\$13,405,578	\$30,239	\$5,918	\$16,689
1984	13,678,005	\$25,948,012	\$71,560	\$12,341	\$26,552
1985	9,897,903	\$20,428,111	\$57,782	\$8,405	\$27,517
1986	16,304,165	\$38,723,961	\$92,693	\$11,885	\$68,700
1987	7,746,980	\$31,107,864	\$79,812	\$15,664	\$41,163
1988	19,009,757	\$103,816,936	\$252,388	\$47,017	\$119,013
1989 ^c	26,455,944	\$61,046,024	\$146,502	\$28,288	\$72,955
1990	12,122,389	\$52,611,882	\$113,302	\$10,424	\$66,715
1991	23,723,008	\$37,019,293	\$77,511	\$5,257	\$53,817
1992	8,462,464	\$40,498,352	\$98,379	\$5,436	\$41,984
1993	39,341,025	\$38,554,977	\$94,927	\$8,230	\$43,889
1994	12,098,324	\$27,103,339	\$67,545	\$9,392	\$46,189
1995	49,187,163	\$53,921,533	\$135,769	\$14,388	\$66,165
1996	9,215,978	\$27,627,620	\$71,080	\$2,954	\$52,632
1997	14,460,978	\$21,017,587	\$54,940	\$8,419	\$38,135
1998	26,444,750	\$34,797,884	\$119,346	\$3,649	\$52,048
1999	17,780,488	\$34,090,487	\$108,951	\$7,342	\$57,744
2000	14,373,531	\$23,096,064	\$74,952	\$15,251	\$36,923
2001	23,711,965	\$18,898,115	\$93,727	\$0	\$29,515
2002 ^d	21,319,153	\$12,285,258	\$66,398	\$0	\$25,720
Average - Past 10 Years:					
1992-2001	21,507,667	\$31,960,596	\$91,962	\$7,506	\$46,522
Average ^e - Previous Decades:					
1981-1991	13,355,023	\$7,451,269	\$89,447	\$15,490	\$48,384
1971-1980	8,676,042	\$13,618,993	\$33,127	\$9,547	\$11,488
Average ^e - Overall					
1970-2001	14,494,727	\$27,482,793	\$70,556	\$10,835	\$35,001

-Continued-

Table 14. (page 2 of 2)

- ^a Number of fish. Includes commercial harvest, test fisheries, and Kitoi Bay Hatchery cost recovery harvests.
- ^b Exvessel values for 1970-76 and 2002 are based on inseason price estimates, and do not include postseason adjustments. Values from 1977-88 and 1990-01 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 was 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 normal distribution of fish.
- ^d Exvessel value was based on fish ticket information. These average values did not reflect payments made to fishers for iced fish, dock deliveries, and postseason settlements.
- ^e 1989 data not included in averages.

Table 15. Subsistence salmon fishery harvest from ADF&G permit reports, by species, for the Kodiak Management Area, 1970-2002.

Year	Permits Issued	Permits Returned	Percent Returned	Subsistence Harvest ^a					
				Sockeye	Coho	Pink	Chum	Chinook	Total
1970	213	49	23	959	939	797	265	1	2,961
1971	267	131	49	3,442	1,720	1,276	472	5	6,915
1972	329	176	53	3,633	1,531	2,516	2,729	11	10,420
1973	400	149	37	4,453	2,289	1,393	1,166	7	9,308
1974	367	90	25	1,909	846	1,094	128	1	3,978
1975	508	90	18	1,141	922	947	221	1	3,232
1976	536	243	45	4,338	962	2,275	370	4	7,949
1977	739	451	61	8,119	2,508	2,849	317	54	13,847
1978	860	539	63	7,239	3,699	2,747	572	50	14,307
1979	1,085	697	64	10,376	3,840	3,300	333	111	17,960
1980	1,239	756	61	13,746	4,407	2,755	566	67	21,541
1981	1,166	658	56	12,924	4,029	2,458	484	49	19,944
1982	1,276	993	78	16,615	7,192	3,558	667	110	28,142
1983	1,307	1,082	83	15,526	6,283	2,536	800	111	25,256
1984	1,240	1,061	86	17,620	5,808	1,877	720	265	26,290
1985	1,476	1,196	81	16,231	8,873	2,756	855	172	28,887
1986	1,244	1,049	84	14,451	7,087	2,371	605	91	24,605
1987	1,124	904	80	13,277	6,737	2,421	1,316	101	23,852
1988	1,098	706	64	10,142	4,291	1,320	366	108	16,227
1989 ^b	2,800	716	N/A	12,638	4,123	1,553	419	43	18,776
1990	2,900	1,181	N/A	17,972	8,646	1,605	655	131	29,009
1991	1,406	1,223	87	21,835	8,208	1,743	714	177	32,677
1992	1,561	1,193	76	20,684	8,643	1,646	643	318	31,934
1993	1,496	914	61	19,521	7,188	2,696	838	243	30,486
1994 ^{c,d}	2,550	1,518	60	17,962	7,491	1,758	440	205	27,856
1995	1,950	1,218	62	19,416	5,603	1,548	293	175	27,035
1996	1,567	1,431	91	28,287	5,117	1,125	381	253	35,163
1997	2,098	1,651	79	33,293	6,369	1,458	234	383	41,737
1998	1,845	1,143	62	21,144	5,465	170	70	350	27,199
1999	1,430	1,139	80	21,867	4,107	1,030	339	296	27,639
2000	1,711	1,670	98	31,629	6,385	982	375	351	39,722
2001	2,378	2,008	84	33,878	5,920	1,158	427	273	41,656
2002 ^e	2,277	2,032	89	33,541	6,055	1,643	350	592	42,181
<u>Average^c - Past 10 Years:</u>									
1993-2002	1,930	1,472	76	26,054	5,970	1,357	375	312	34,067
<u>Average^b - Previous Decades:</u>									
1992-2001				24,768	6,229	1,357	404	285	33,043
1981-1991				15,659	6,715	2,265	718	132	25,489
1971-1980				5,840	2,272	2,115	687	31	10,946
<u>Average^b - Overall</u>									
1970-2002				15,449	4,948	1,859	580	155	22,991

-Continued-

Table 15. (page 2 of 2)

- ^a Data are compiled from Annual Management Reports and the subsistence permit database. This is only the harvest for individuals returning permits to ADF&G, and may not represent the total subsistence salmon harvest.
- ^b Due to the 1989 Exxon Valdez oil spill harvest patterns were unusual; 1989 data is not included in averages. There was also an Exxon sponsored subsistence fishery in Karluk Lagoon. Harvest totaled an additional 1 chinook, 13,329 sockeye, 523 coho, 47 pink, and 19 chum salmon.
- ^c Permits were mailed to all previous applicants. Many were returned as undeliverable.
- ^d The salmon and shellfish subsistence permitting programs were merged.
- ^e Preliminary numbers for 2002. Permits are still being returned.

Table 16. Retention of salmon taken in commercial salmon fisheries from ADF&G permit reports, by species, for the Kodiak Management Area, 1997-2003.

Year	Permits	Landings	Personal Use Harvest					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
<u>Average - Previous 6 Years</u>								
1997-2002	10	15	15	1,131	1,485	95	6	2,732

Table 17. Estimated sport fish salmon harvest in the Kodiak regulatory area of the Kodiak Management Area, 1977-2002.

Year	Number of Salmon					Total ^a
	Chinook ^a	Sockeye ^a	Coho ^a	Pink ^a	Chum ^a	
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 ^b	4,136	9,672	29,957	9,022	104	52,891
<u>Average - Past 10 Years:</u>						
1992-2001	4,978	10,134	21,340	9,042	625	46,118
<u>Average - Previous Decades:</u>						
1982-1991	2,344	8,328	18,519	9,289	601	40,247
<u>Average - Recent 5 Year Periods</u>						
1997-2001	6,847	11,320	27,205	9,602	631	55,604
1992-1996	3,109	8,949	15,475	8,481	618	36,632
1987-1991	1,307	5,656	17,388	13,614	889	38,854
<u>Average - All Years</u>						
1977- 2002	2,585	6,652	17,115	12,129	771	39,252

^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. Harvest data are from Sport Fish Division Annual Management Reports.

^b 2002 harvest data is preliminary and expected to change.

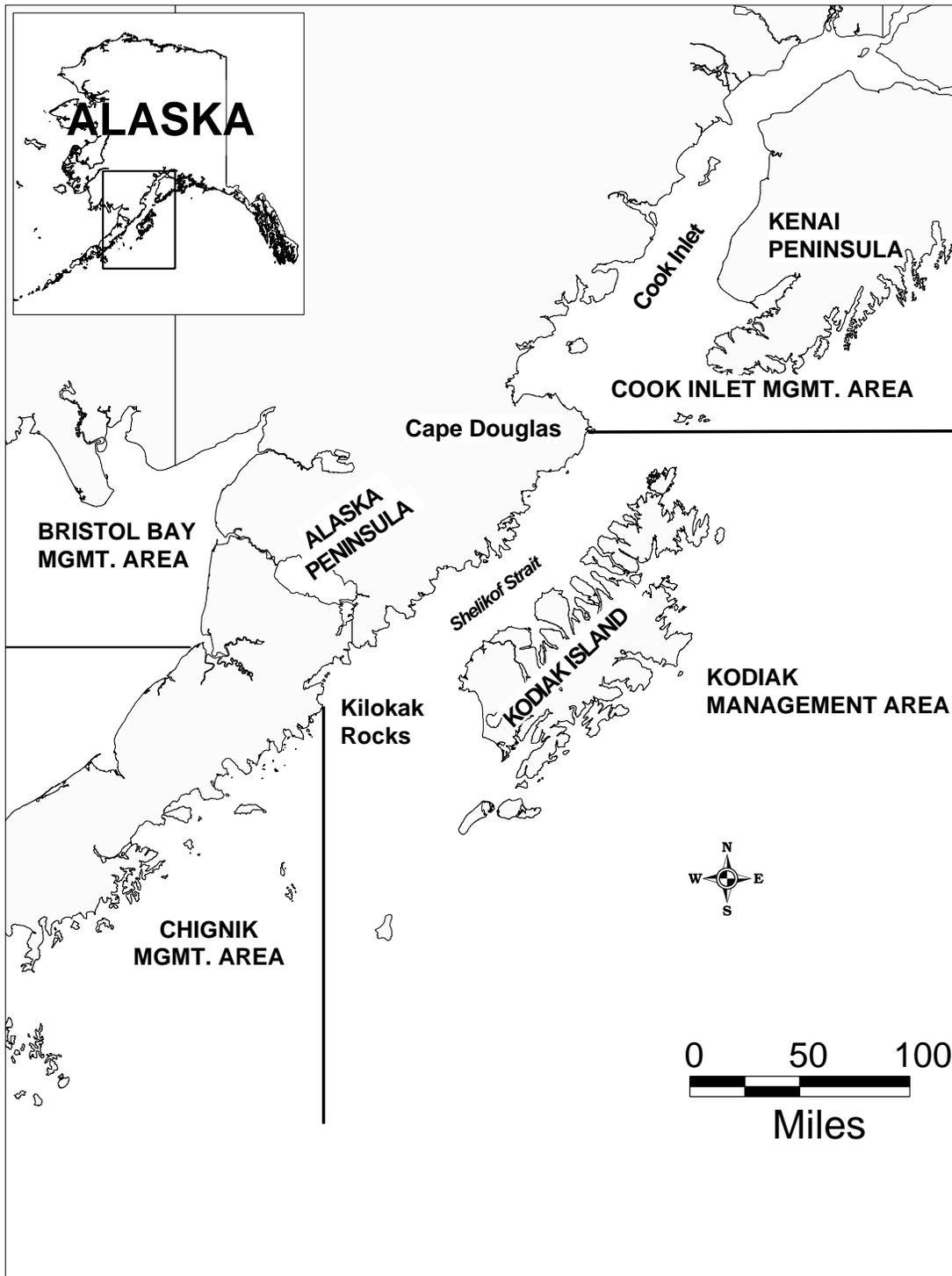


Figure 1. Location of the Kodiak Management Area, 2002.

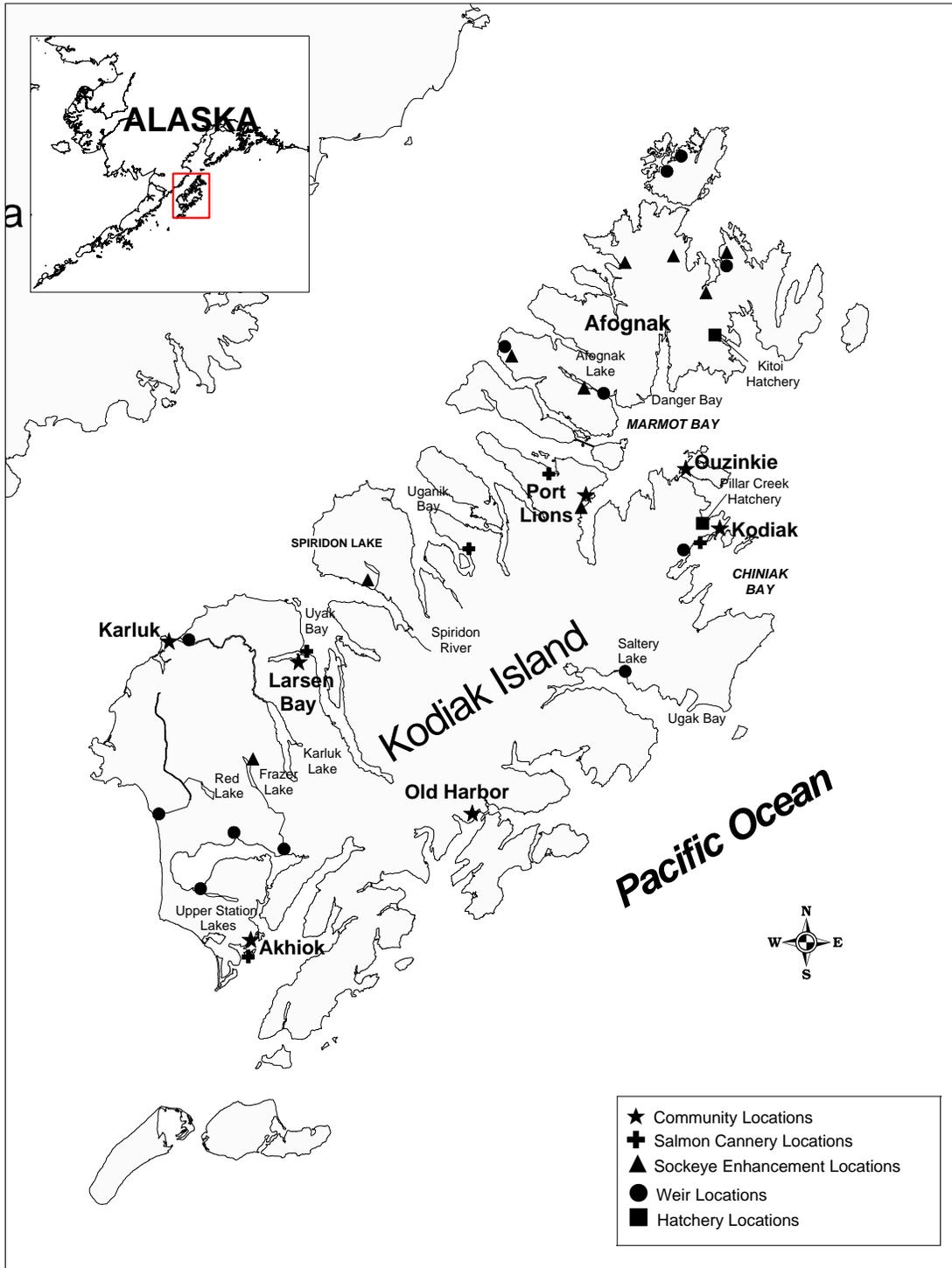


Figure 2. Map of Kodiak Island showing communities, canneries, sockeye salmon enhancement, weir, and hatchery locations in the Kodiak Management Area, 2002.

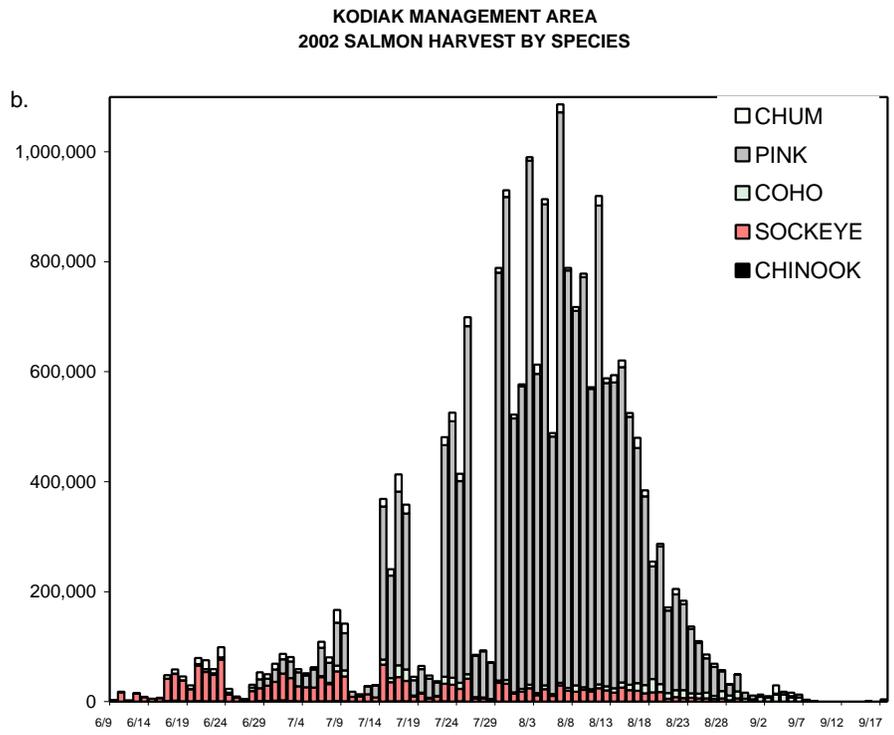
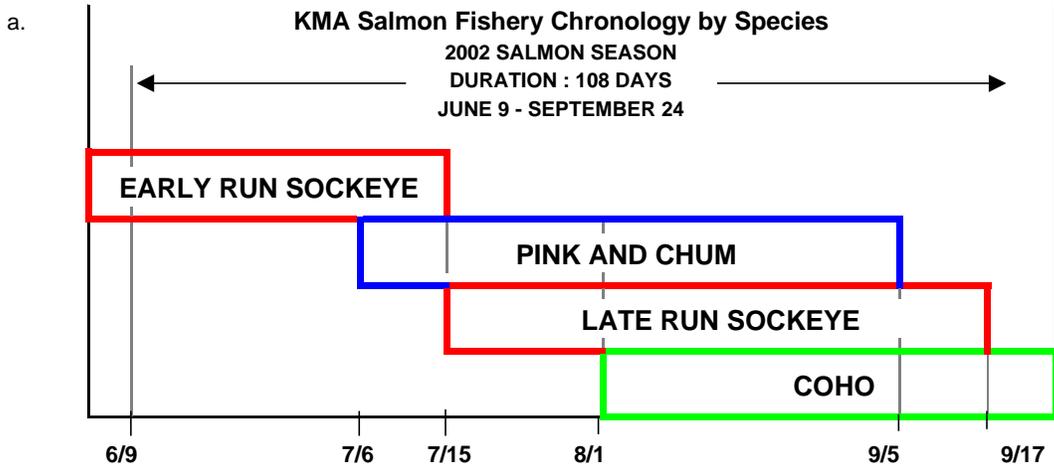
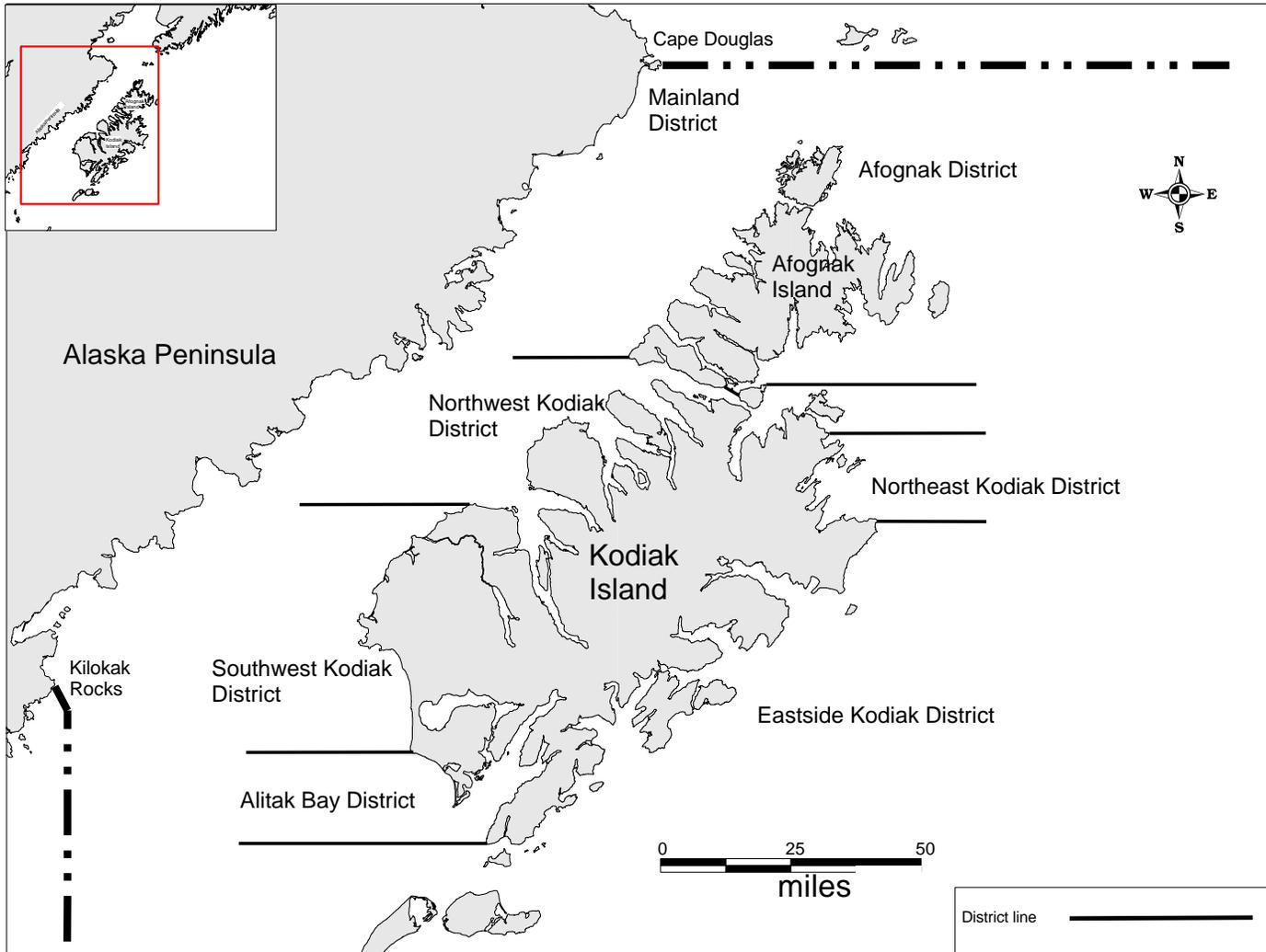
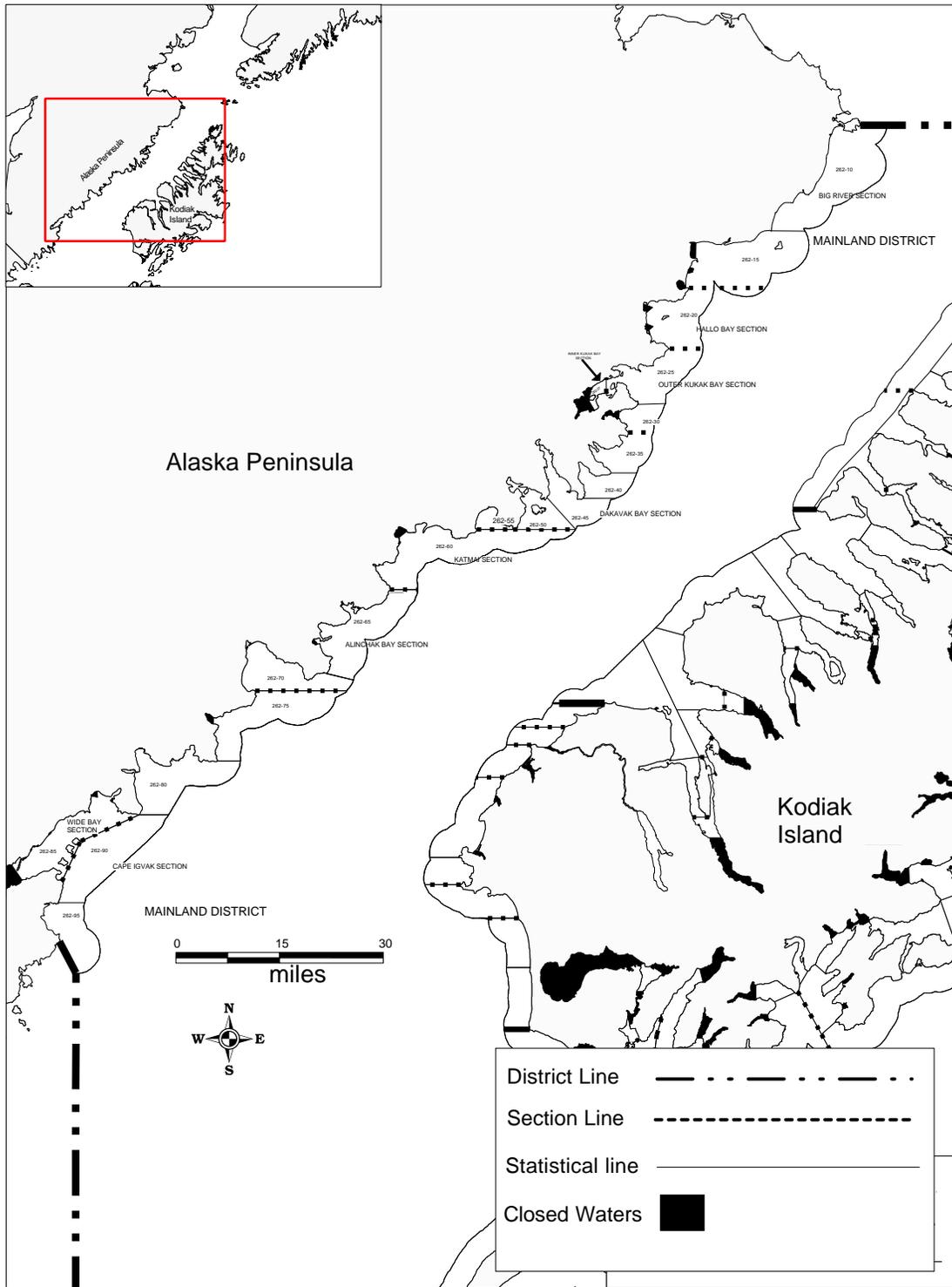


Figure 3. Commercial salmon fishery chronology (a) and commercial harvest (b) by species, for the Kodiak Management Area, 2002.

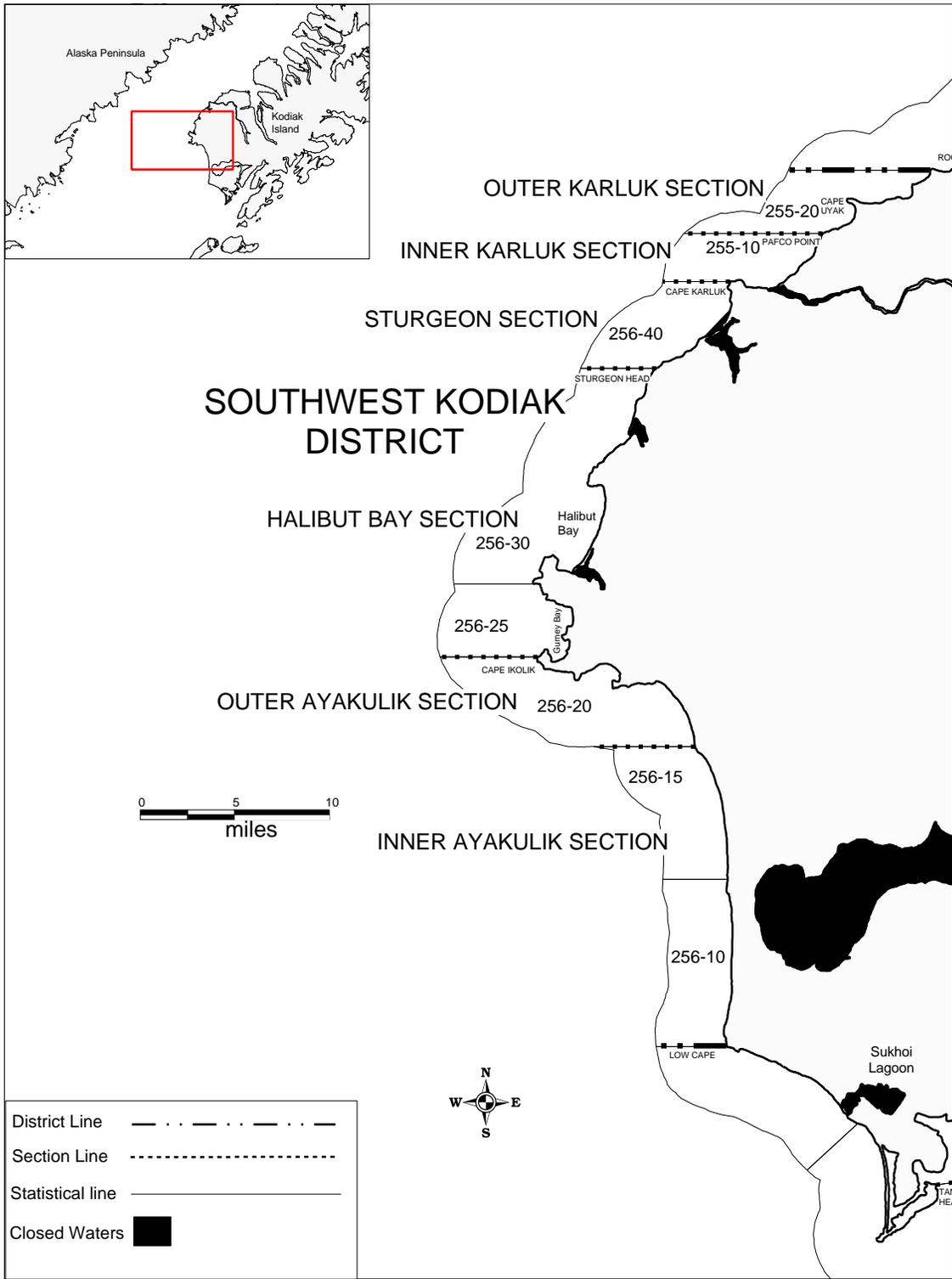
APPENDIX



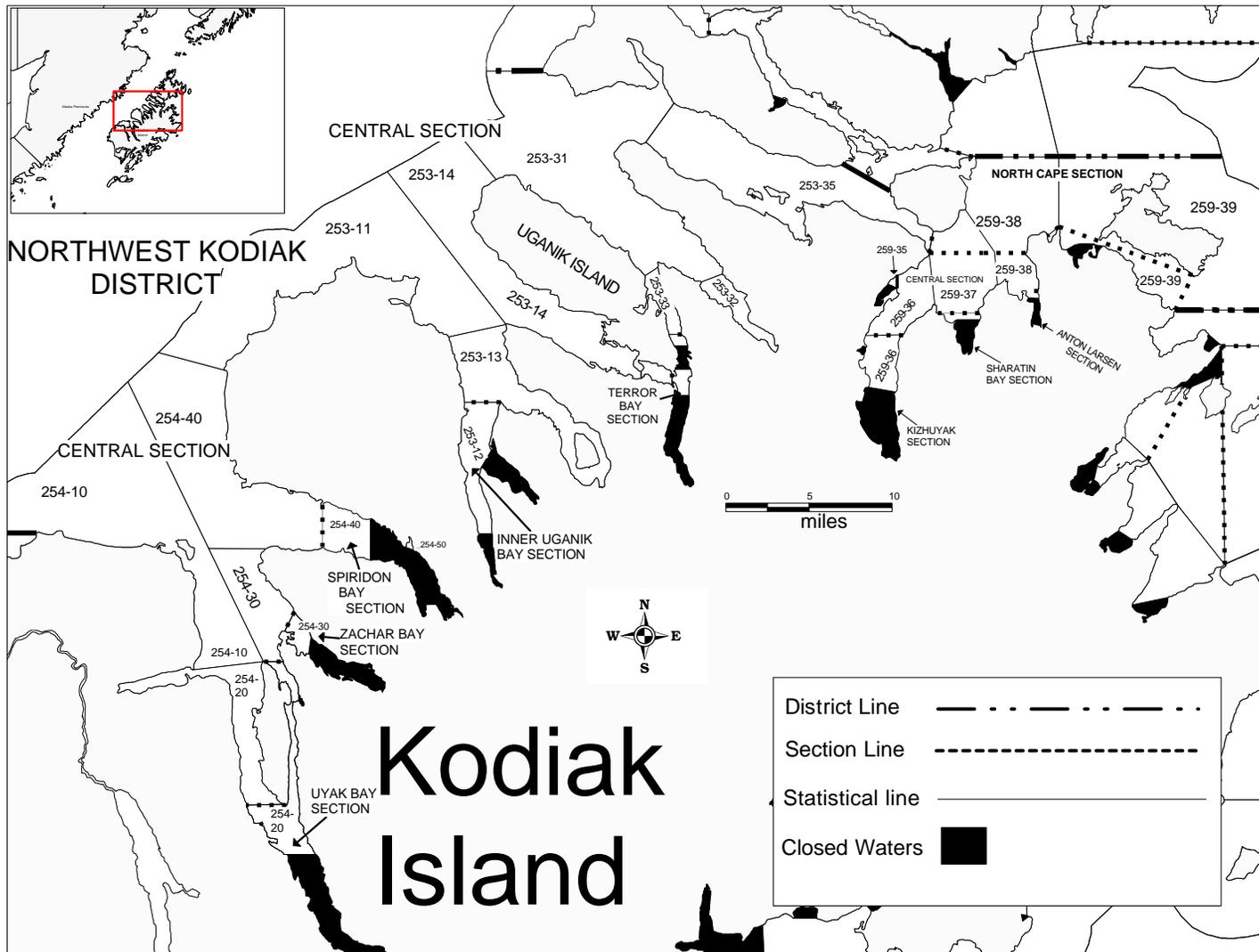
Appendix A.1. Map of the Kodiak Management Area identifying commercial salmon fishing districts.



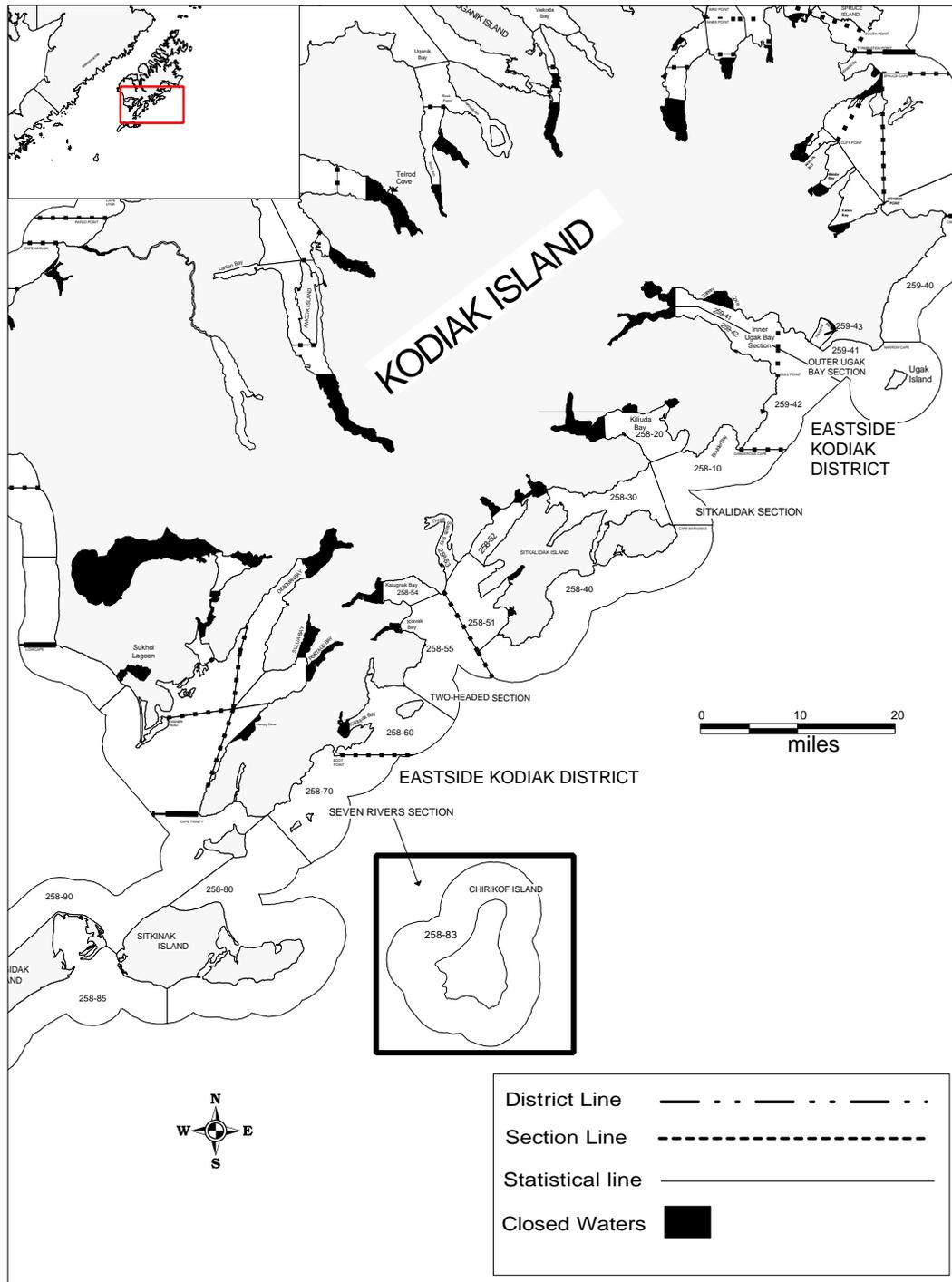
Appendix A.2. Map of the Mainland district of the Kodiak Management Area, 2002.



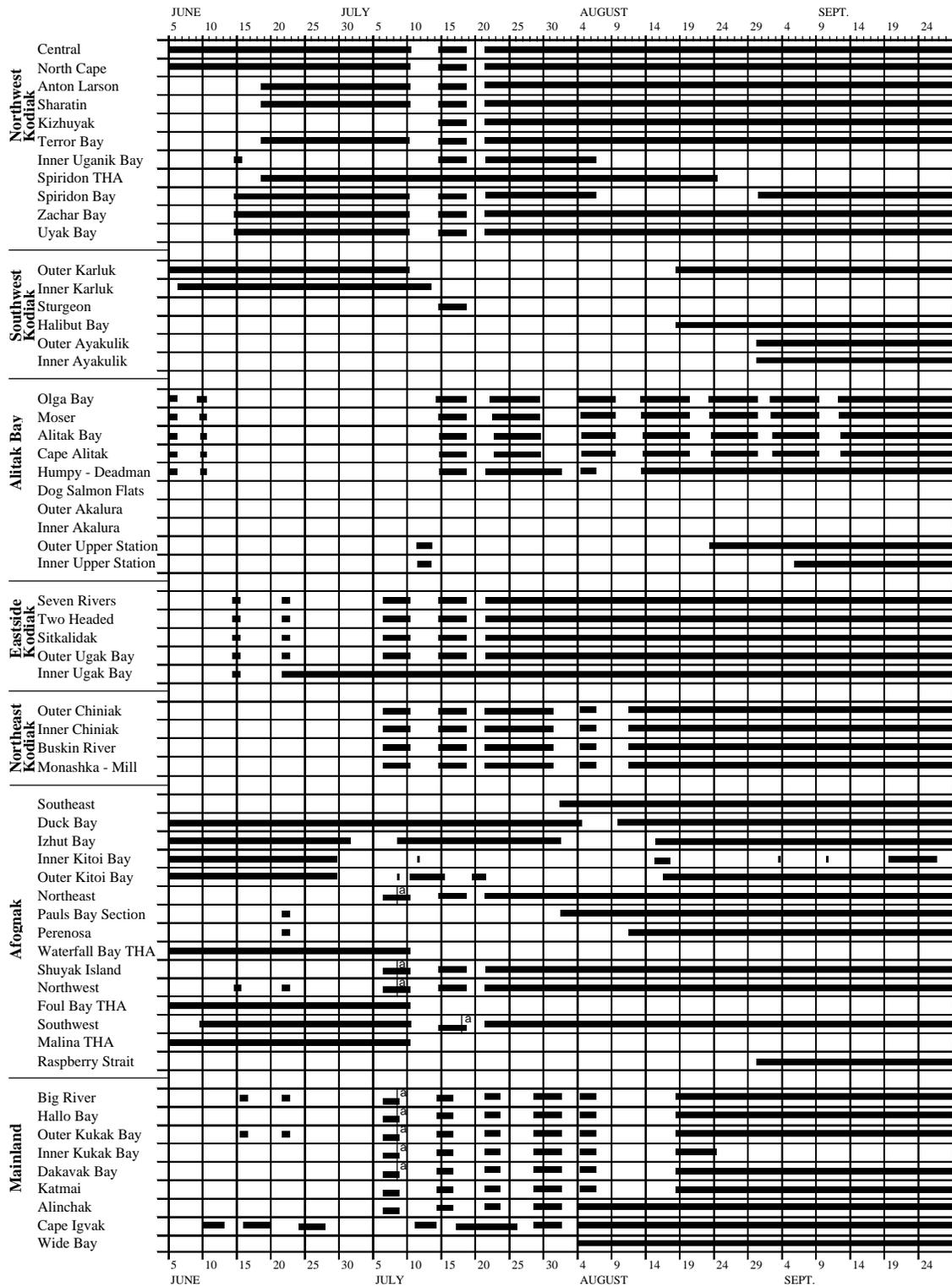
Appendix A.4. Map of the Southwest Kodiak District of the Kodiak Management Area, 2002.



Appendix A.5. Map of the Northwest Kodiak District of the Kodiak Management Area, 2002.



Appendix A.8. Map of the Eastside Kodiak District of the Kodiak Management Area, 2002.



Appendix B.1. Commercial salmon fishing time, by district and section, in the Kodiak Management Area, 2003.

Appendix B.2. Summary of emergency orders issued in the Kodiak Management Area, 2002.

E.O.#	Issued	Effective	Action Taken
1	10:00 AM 6/7/02	NOON 6/9/02	<p><u>Opening</u> for 33 hours, NOON 6/9 to 9:00 PM 6/10</p> <ul style="list-style-type: none"> - Alitak Bay District - Outer Karluk Section - Northwest Kodiak District except the Kizhuyak Bay and Inner Uganik Bay Sections - Inner and Outer Ayakulik <p><u>Open</u> until further notice</p> <ul style="list-style-type: none"> - Duck Bay, Izhut Bay, Inner and Outer Kitoi Bay Sections - Foul Bay and Waterfall Bay Terminal Harvest Areas - Malina Creek Terminal Harvest Area <p><u>Closed water adjustments</u> Reduced in: Kitoi Bay, Foul Bay, Little Waterfall Bay, Malina Creek, and Settler Cove</p>
2	9:00 AM 6/10/02	9:00 PM 6/10/02	<p><u>Extension</u> for 72 hours, 9:00 PM 6/10 to 9:00 PM 6/13</p> <ul style="list-style-type: none"> - Northwest Kodiak District except the Kizhuyak Bay and Inner Uganik Bay Sections - Inner and Outer Ayakulik - Outer Karluk Section <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> - Duck Bay, Izhut Bay, Inner, and Outer Kitoi Bay Sections - Foul Bay, Waterfall Bay, and Malina Creek Terminal Harvest Areas <p><u>Closed water adjustments</u> Reduced in: Kitoi Bay, Foul Bay, Little Waterfall Bay, Malina Creek, and Settler Cove</p>
3	9:00 AM 6/13/02	9:00 PM 6/13/02 NOON 6/14/02	<p><u>Extension</u> for 48 hours, 9:00 PM June 13 to 9:00 PM June 15</p> <ul style="list-style-type: none"> - Northwest Kodiak District except the Kizhuyak Bay and Inner Uganik Bay Sections - Outer Karluk Section <p><u>Opening</u> for 33 hours, NOON June 14 to 9:00 PM June 15</p> <ul style="list-style-type: none"> - Southwest Afognak Section - Eastside Kodiak District - Outer Kukak and Big River Sections <p><u>Extension</u> until further notice</p> <ul style="list-style-type: none"> - Duck Bay, Izhut Bay, Inner and Outer Kitoi Bay Sections - Waterfall Bay, Foul Bay, and Malina Creek Terminal Harvest Areas

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Appendix B.2. (page 2 of 19)

E.O.#	Issued	Effective	Action Taken
3 (Cont.)			<p><u>Closed water adjustments</u> Reduced in: Kafia Creek, Saltery Creek, Malina Creek, Settler Cove, Foul Bay, Little Waterfall Bay and Kitoi Bay to the ADF&G markers at Big Kitoi and Little Kitoi creeks.</p>
4	2:00 PM 6/14/02	NOON 6/15/02	<p><u>Open</u> until further notice starting at NOON 6/15 - Inner Karluk Section</p> <p><u>Open</u> until further notice starting at 9:00 PM 6/15 - Southwest Afognak - Northwest Kodiak District except for the Kizhuyak and Inner Uganik Bay Sections - Outer Karluk Sections - Southwest Afognak</p> <p><u>Open</u> until further notice - Waterfall Bay, Foul Bay, and Malina Creek Terminal Harvest Areas - Duck Bay, Izhut Bay, Inner and Outer Kitoi Bay Sections</p> <p><u>Closed water adjustments</u> Reduced in: Malina Creek, Foul Bay, Little Waterfall Bay, Settlers Cove, and Kitoi Bay to the ADF&G markers at Big Kitoi and Little Kitoi creeks</p>
5	11:00 AM 6/18/02	NOON 6/19/02	<p><u>Opening</u> for 33 hours, 12:00 NOON 6/19 to 9:00 PM 6/20 - Outer Ayakulik</p> <p><u>Opening</u> for 29 hours, 4:00 PM 6/19 to 9:00 PM 6/20 - Inner Ayakulik</p> <p><u>Opening</u> for 48 hours, 12:01 AM 6/20 to 12:01 AM 6/22 - Cape Igvak Section</p> <p><u>Open</u> until further notice - Southwest Afognak Section - Northwest Kodiak District except for the Kizhuyak and Inner Uganik Bay Sections - Inner and Outer Karluk Sections - Waterfall Bay and Foul Bay Terminal Harvest Areas - Duck, Izhut, Inner Kitoi, and Outer Kitoi Bay Sections</p>

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Appendix B.2. (page 3 of 19)

E.O.#	Issued	Effective	Action Taken
5 (Cont.)			<p><u>Closed water adjustments</u> Reduced in: Malina Creek, Settler Cove, Kitoi Bay, Foul Bay, and Little Waterfall Bay</p>
6	11:30 AM 6/20/02	NOON 6/21/02	<p><u>Opening</u> for 33 hours, 12:00 NOON 6/21 to 9:00 PM 6/22</p> <ul style="list-style-type: none"> - Eastside Kodiak Section - Outer Kukak and Big River Sections
		9:00 PM 6/21/02	<p><u>Closure</u> at 9:00 PM 6/21</p> <ul style="list-style-type: none"> - Inner and Outer Kitoi Bay Sections
			<p><u>Open</u> until further notice</p> <ul style="list-style-type: none"> - Southwest Afognak - Northwest Kodiak District except for the Kizhuyak and Inner Uganik Bay Sections - Inner and Outer Karluk Sections - Waterfall Bay and Foul Bay Terminal Harvest Areas - Duck and Izhut Bay Sections
			<p><u>Closed water adjustments</u> Reduced in: Kaflia Creek, Saltery Creek, Malina Creek, Settler Cove, Foul Bay, and Little Waterfall Bay</p>
7	10:30 AM 6/21/02	12:01 AM 6/22/02	<p><u>Extension</u> for 48 hours until 12:01 AM 6/24</p> <ul style="list-style-type: none"> - Cape Igvak Section
		NOON 6/22/02	<p><u>Open</u> until further notice beginning 12:00 NOON 6/22</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"> - Southwest Afognak Section - Northwest Kodiak District except for the Kizhuyak and Inner Uganik Bay Sections - Inner and Outer Karluk Sections - Waterfall Bay and Foul Bay Terminal Harvest Areas - Duck and Izhut Bay Sections
			<p><u>Closed water adjustments</u> Reduced in: Kaflia Creek, Saltery Creek, Malina Creek, Kitoi Bay, Settler Cove, Foul Bay, and Little Waterfall Bay</p>

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Appendix B.2. (page 4 of 19)

E.O.#	Issued	Effective	Action Taken
8	11:30 AM 6/24/02	9:00 PM 6/24/02	<p><u>Closure</u> at 9:00 PM 6/24</p> <ul style="list-style-type: none"> - Izhut Bay Section <p><u>Extension</u> until further notice</p> <ul style="list-style-type: none"> - Southwest Afognak - Northwest Kodiak District except for the Kizhuyak and Inner Uganik Bay Sections - Inner and Outer Karluk Sections - Spiridon Bay Terminal Harvest Area - Waterfall Bay and Foul Bay Terminal Harvest Areas - Duck Bay Section <p><u>Closed water adjustments</u></p> <p>Reduced in: Malina Creek, Settler Cove, Foul Bay and Little Waterfall Bay</p>
9	11:30 AM 6/28/02	9:00 PM 6/28/02	<p><u>Closure</u> at 9:00 PM 6/28</p> <ul style="list-style-type: none"> - Duck Bay (west of the jaws) <p><u>Open</u> until further notice</p> <ul style="list-style-type: none"> - Southwest Afognak - Northwest Kodiak District except for the Kizhuyak and Inner Uganik Bay Sections - Inner and Outer Karluk Sections - Spiridon Bay, Waterfall Bay and Foul Bay Terminal Harvest Areas <p><u>Closed water adjustments</u></p> <p>Reduced in: Malina Creek, Settler Cove, Little Waterfall Bay, and Foul Bay</p>
10	11:30 AM 6/30/02	NOON 7/1/02	<p><u>Opening</u> for 57 hours from NOON 7/1 to 9:00 PM 7/3</p> <ul style="list-style-type: none"> - Pauls and Perenosa Bay Sections <p><u>Open</u> until further notice</p> <ul style="list-style-type: none"> - Southwest Afognak Section - Northwest Kodiak District except for the Kizhuyak and Inner Uganik Bay Sections - Inner and Outer Karluk Sections - Spiridon Bay, Waterfall Bay and Foul Bay Terminal Harvest Areas <p><u>Closed water adjustments</u></p> <p>Reduced in: Malina Creek, Settler Cove, Foul Bay and Little Waterfall</p>

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Appendix B.2. (page 5 of 19)

E.O.#	Issued	Effective	Action Taken
11	11:00 AM 7/1/02	NOON 7/2/02	<p><u>Opening</u> for 57 hours, NOON 7/2 to 9:00 PM 7/4</p> <ul style="list-style-type: none"> - Inner Ugak Bay Section <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> - Southwest Afognak Section - Northwest Kodiak District except for the Kizhuyak and Inner Uganik Bay Sections - Inner and Outer Karluk Sections - Spiridon Bay, Waterfall Bay and Foul Bay Terminal Harvest Areas <p><u>Closed water adjustments</u> Reduced in: Malina Creek, Settler Cove, Foul Bay, and Little Waterfall Bay.</p>
12	NOON 7/1/02	NOON 7/2/02	<p><u>Reduction</u> in closed water at 12:00 NOON 7/2</p> <ul style="list-style-type: none"> - Inner Karluk Section (to stream terminus) <p><u>Opening</u> for 57 hours from NOON 7/2 to 9:00 PM 7/4</p> <ul style="list-style-type: none"> - Inner Ugak Bay Section <p><u>Open</u> until further notice:</p> <ul style="list-style-type: none"> - Southwest Afognak Section - Northwest Kodiak District except for the Kizhuyak and Inner Uganik Bay Sections - Inner and Outer Karluk Sections - Spiridon Lake, Waterfall Bay and Foul Bay Terminal Harvest Areas <p><u>Closed water adjustments</u> Reduced in: Malina Creek, Settler Cove, Foul Bay and Little Waterfall Bay</p>
13	10:30 AM 7/3/02	9:00 PM 7/9/02	<p><u>Closing</u> at 9:00 PM 7/9</p> <ul style="list-style-type: none"> - Northwest Kodiak District except for the Kizhuyak and Inner Uganik Bay Sections which remains closed - Outer Karluk Sections - Southwest Afognak - Pauls Bay and Perenosa Bay Sections - Southwest Afognak Section - Waterfall Bay, Malina Creek and Foul Bay Terminal Harvest Areas
		NOON 7/6/02	<p><u>Opening</u> for 81 hours, NOON 7/6 to 9:00 PM 7/9</p> <ul style="list-style-type: none"> - Northwest Afognak, Shuyak Island, and Northeast Afognak Sections

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Appendix B.2. (page 6 of 19)

E.O.#	Issued	Effective	Action Taken
13 (Cont.)		NOON 7/6/02	<ul style="list-style-type: none"> - Eastside Kodiak District - Northeast Kodiak District <p><u>Opening</u> for 57 hours from NOON 7/6 to 9:00 PM 7/8</p> <ul style="list-style-type: none"> - Mainland District, except for the Cape Igvak and Wide Bay Sections which remain closed <p><u>Open</u> until further notice</p> <ul style="list-style-type: none"> - Spiridon Bay Terminal Harvest Area - Inner Karluk Section - Inner Ugak Bay Section <p><u>Closed water adjustments</u></p> <p>Reduced in: Settler Cove, Karluk River, Pauls Bay, Malina Creek, Little Waterfall Bay and Foul Bay</p>
14	11:30 AM 7/5/02	12:00 NOON 7/6/02	<p><u>Reduction</u> in closed water at 12:00 NOON 7/6</p> <ul style="list-style-type: none"> - Saltery Cove <p><u>Open</u> until further notice</p> <ul style="list-style-type: none"> - Spiridon Bay Terminal Harvest Area - Inner Karluk Section - Inner Ugak Bay Section <p><u>Closed water adjustments</u></p> <p>Reduced in: Settler Cove, Karluk River, Pauls Bay, Malina Creek, Little Waterfall Bay and Foul Bay</p>
15	2:00 PM 7/8/02	5:00 PM 7/8/02	<p><u>Closure</u> at 5:00 PM 7/8</p> <ul style="list-style-type: none"> - Seaward Zones of the Northwest Afognak, Shuyak Island, Big River, Hallo Bay, Outer Kukak Bay and Dakavak Bay Sections <p><u>Open</u> until further notice</p> <ul style="list-style-type: none"> - Spiridon Bay Terminal Harvest Area - Inner Karluk Section - Inner Ugak Bay Section <p><u>Closed water adjustments</u></p> <p>Reduced in: Settler Cove, Karluk River, Pauls Bay, Malina Creek, Little Waterfall Bay and Foul Bay</p>
16	10:00 AM 7/11/02	NOON 7/14/02	<p><u>Opening</u> for 81 hours NOON 7/14 to 9:00 PM 7/17</p> <ul style="list-style-type: none"> - that portion of the Southeast Afognak Section east of Cape Kazakof (152° 37.60' W long.)

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Appendix B.2. (page 7 of 19)

E.O.#	Issued	Effective	Action Taken
16 (Cont.)			<ul style="list-style-type: none"> - Northeast Afognak, Duck Bay, Perenosa Bay, and Pauls Bay Sections - Shuyak Island, Northwest Afognak and Southwest Afognak Sections - Northwest Kodiak District - Southwest Afognak Section - Eastside Kodiak District - Northeast Kodiak District (152° 37.60' W long.), which will remain closed Halibut Bay and Outer Ayakulik Sections
		NOON 7/14/02	<p><u>Opening</u> for 57 hours from NOON 7/14 to 9:00 PM 7/16</p> <ul style="list-style-type: none"> - Mainland District, except for the Cape Igvak and Wide Bay Sections which remain closed
		NOON 7/16/02	<p><u>Opening</u> for 33 hours from NOON 7/16 to 9:00 PM 7/17</p> <ul style="list-style-type: none"> - Humpy-Deadman Section
		9:00 PM 7/17/02	<p><u>Closure</u> at 9:00 PM 7/17</p> <ul style="list-style-type: none"> - Inner Karluk Section
			<p><u>Open</u> until further notice</p> <ul style="list-style-type: none"> - Spiridon Bay Terminal Harvest Area - Inner Ugak Bay Sections
			<p><u>Closed</u> water adjustments</p> <p>Increased in: Pasagshak Bay to a line from 57° 26.00' N lat., 152° 31.15' W long., to 57° 25.50' N lat., 152° 29.40' W long., for commercial salmon fishing only; and Deadman Bay, to include all waters between 56° 57.30' N lat. and 57° 02.80' N lat..</p> <p>Reduced in: At Saltery Cove to the stream terminus of Saltery Creek (stream # 259-415) for commercial and subsistence fishing; At the Karluk River to the ADF&G regulatory markers near the stream terminus (until 9:00 PM Wednesday July 17)</p>
17	1:30 PM 7/15/02	5:00 PM 7/15/02	<p><u>Closure</u> at 5:00 PM 7/15</p> <ul style="list-style-type: none"> - Seaward Zones of the Northeast Afognak, Shuyak Island, Big River, Hallo Bay, Outer Kukak Bay and Dakavak Bay Sections
		NOON 7/16/02	<p><u>Opening</u> for 6 hours from NOON 7/16 to 6:00 PM 7/16</p> <ul style="list-style-type: none"> - Inner Kitoi Bay Section
		NOON 7/16/02	<p><u>Opening</u> at NOON 7/16 until further notice</p> <ul style="list-style-type: none"> - Outer Kitoi Bay Section - Izhut Bay Section

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Appendix B.2. (page 8 of 19)

E.O.#	Issued	Effective	Action Taken
17 (Cont.)			<p><u>Open</u> until further notice</p> <ul style="list-style-type: none"> - Spiridon Bay Terminal Harvest Area - Inner Ugak Bay Section - Duck Bay Section <p><u>Closed water adjustments</u> Increased in: Pasagshak Bay to a line from 57° 26.00' N lat., 152° 31.15' W long., to 57° 25.50' N lat., 152° 29.40' W long., for commercial salmon fishing only; and Deadman Bay, to include all waters between 56° 57.30' N lat. and 57° 02.80' N lat.. Reduced in: Big Kitoi Bay to the ADF&G regulatory markers and Little Kitoi Bay to the stream terminus of Little Kitoi Creek (stream # 252-323); At Saltery Cove to the stream terminus of Saltery Creek (stream # 259-415) for commercial and subsistence fishing; At the Karluk River to the ADF&G regulatory markers near the stream terminus (until 9:00 pm Wednesday July 17)</p>
18	4:15 PM 7/17/02	12:01 AM 7/19/02	<p><u>Opening</u> for 48 hours from 12:01 AM 7/19 to 12:01 AM 7/21</p> <ul style="list-style-type: none"> - Cape Igvak Section <p><u>Open</u> until further notice</p> <ul style="list-style-type: none"> - Spiridon Bay Terminal Harvest Area - Duck Bay, Outer Kitoi Bay, and Izhut Bay Sections - Inner Ugak Bay Sections <p><u>Closed water adjustments</u> Reduced in: Saltery Cove (stream # 259-415)</p>
19	1:00 PM 7/19/02	NOON 7/22/02	<p><u>Opening</u> for 81 hours NOON 7/22 to 9:00 PM 7/25</p> <ul style="list-style-type: none"> - Northwest Kodiak District - that portion of the Southeast Afognak Section east of Cape Kazakof (152° 37.60' W long.) - Northeast Afognak, Perenosa Bay, and Pauls Bay Sections - Shoreward Zones of the Shuyak Island and Northwest Afognak Sections - Southwest Afognak Section - Eastside Kodiak District - Northeast Kodiak District (152° 37.60' W long.), which will remain closed Halibut Bay and Outer Ayakulik Sections - Humpy-Deadman Section <p>NOON 7/22/02</p> <p><u>Opening</u> for 57 hours from NOON 7/22 to 9:00 PM 7/24</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

-Continued-

Appendix B.2. (page 9 of 19)

E.O.#	Issued	Effective	Action Taken
19 (Cont.)			<p><u>Open</u> until further notice</p> <ul style="list-style-type: none"> - Spiridon Bay Terminal Harvest Area - Duck Bay, Outer Kitoi Bay, and Izhut Bay Sections - Inner Ugak Bay Sections <p><u>Closed water adjustments</u> Reduced in: Saltery Cove (stream # 259-415)</p>
20	NOON	12:01 AM 7/20/02 - 7/21/02	<p><u>Extension</u> for 48 hours through 12:01 AM 7/23</p> <ul style="list-style-type: none"> - Cape Igvak Section <p>9:00 PM 7/20/02 -</p> <p><u>Closure</u> at 9:00 PM 7/20</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"> - Spiridon Bay Terminal Harvest Area - Duck Bay and Izhut Bay Sections - Inner Ugak Bay Sections <p><u>Closed water adjustments</u> Reduced in: Saltery Cove (stream # 259-415)</p>
21	NOON	12:01 AM 7/22/02 - 7/23/02	<p><u>Extension</u> for 48 hours through 12:01 AM 7/25</p> <ul style="list-style-type: none"> - Cape Igvak Section <p><u>Open</u> until further notice</p> <ul style="list-style-type: none"> - Spiridon Bay Terminal Harvest Area - Duck Bay and Izhut Bay Sections - Inner Ugak Bay Sections <p><u>Closed water adjustments</u> Reduced in: Saltery Cove (stream # 259-415)</p>
22	NOON 7/24/02	12:01 AM 7/25/02	<p><u>Extension</u> for 24 hours through 12:01 AM 7/26</p> <ul style="list-style-type: none"> - Cape Igvak Section <p><u>Open</u> until further notice</p> <ul style="list-style-type: none"> - Spiridon Bay Terminal Harvest Area - Duck Bay and Izhut Bay Sections - Inner Ugak Bay Sections <p><u>Closed water adjustments</u> Reduced in: Saltery Cove (stream # 259-415)</p>

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Appendix B.2. (page 10 of 19)

E.O.#	Issued	Effective	Action Taken
23	10:00 AM 7/26/02	NOON 7/29/02	<u>Opening</u> for 81 hours from NOON 7/29 to 9:00 PM 8/1 - Afognak District, except for the Raspberry Strait Section, the Inner and Outer Kitoi Bay Sections, and that portion of Southeast Afognak Section west of Cape Kazakof (152° 37.60' W long.), which will remain closed - Northwest Kodiak District - Humpy-Deadman Section - Eastside Kodiak District - Northeast Kodiak District
		NOON 7/29/02	<u>Opening</u> for 57 hours from NOON 7/29 to 9:00 PM 7/31 - Mainland District <u>Open until further notice</u> - Spiridon Bay Terminal Harvest Area - Duck Bay and Izhut Bay Sections - Inner Ugak Bay Sections <u>Closed water adjustments</u> Reduced in: Saltery Cove (stream # 259-415)
24	10:00 AM 7/30/02	NOON 7/31/02	<u>Opening</u> at NOON 7/31 until further notice - Outer Kitoi Bay Section <u>Open until further notice</u> - Spiridon Bay Terminal Harvest Area - Duck Bay and Izhut Bay Sections - Inner Ugak Bay Sections <u>Closed Water Adjustments</u> Reduced in: Saltery Cove (stream # 259-415)
			<u>Opening</u> until further notice at NOON 8/1 - Outer Karluk and Sturgeon Sections <u>Open until further notice</u> - Northwest Kodiak District except for the Kizhuyak and Spiridon Bay Sections - Southwest Afognak Section - Pauls Bay Section - Duck Bay, Izhut Bay and Outer Kitoi Bay Sections - That portion of the Southeast Afognak Section east of 152° 37.60' W long. (Cape Kazakof) and south of 58° 05.50' N lat. - Spiridon Bay Terminal Harvest Area - Humpy-Deadman Section

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Appendix B.2. (page 11 of 19)

E.O.#	Issued	Effective	Action Taken
25 (Cont.)			<ul style="list-style-type: none"> - Sitkalidak Sections - That portion of the Inner Ugak Bay Section in Saltery Cove between 152° 43.00' and 152° 49.00' W long. and north of 57° 28.55' N lat. (north of 57° 43.00' N lat. and 152° 49.00' W long.) - Mainland District <p><u>Closed water adjustments:</u> Reduced in: Saltery Cove to the stream terminus of Saltery Creek (stream # 259-415) for commercial and subsistence fishing</p>
26	4:30PM 8/1/02	NOON 8/2/02	<p><u>Closed water reduction</u> until further notice at NOON 8/26/02</p> <ul style="list-style-type: none"> - Humpy Cove to the stream terminus of Humpy river (stream # 257-701) and in Deadman Bay to the latitude of Ptarmigan Point, at 57° 07.76' N lat. <p><u>Open</u> until further notice</p> <ul style="list-style-type: none"> - Northwest Kodiak District except for the Kizhuyak and Spiridon Bay Sections - Southwest Afognak Section - Pauls Bay Section - Duck Bay, Izhut Bay and Outer Kitoi Bay Sections - That portion of the Southeast Afognak Section east of 152° 37.60' W long. (Cape Kazakof) and south of 58° 05.50' N lat. - Spiridon Bay Terminal Harvest Area - Outer Karluk Section - Sturgeon Section - Humpy-Deadman Section - Sitkalidak Sections - That portion of the Inner Ugak Bay Section in Saltery Cove between 152° 43.00' and 152° 49.00' W long. and north of 57° 28.55' N lat. (north of 57° 43.00' N lat. and 152° 49.00' W long.) - Mainland District <p><u>Closed water adjustments:</u> Reduced in: Saltery Cove to the stream terminus of Saltery Creek (stream # 259-415) for commercial and subsistence fishing</p>
27	10:30 AM 8/4/02	9:00PM 8/5/02	<p><u>Closure</u> at 9:00 PM 8/5</p> <ul style="list-style-type: none"> - That portion of the Inner Ugak Bay Section in Saltery Cove (north of 57° 43.00' N lat. and 152° 49.00' W long.)

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Appendix B.2. (page 12 of 19)

E.O.#	Issued	Effective	Action Taken
27 (Cont.)			<p><u>Opening</u> for 81 hours, from NOON 8/5 to 9:00 PM 8/8</p> <ul style="list-style-type: none"> - Northwest Afognak Section - Shuyak Island Section - Perenosa Bay Section - Northeast Afognak Section - Seven Rivers Section - Two-Headed Section - Northeast Kodiak District <p><u>Open</u> until further notice</p> <ul style="list-style-type: none"> - Northwest Kodiak District except for the Kizhuyak and Spiridon Bay Sections - Southwest Afognak Section - Pauls Bay Section - Duck Bay, Izhut Bay and Outer Kitoi Bay Sections - That portion of the Southeast Afognak Section east of 152° 37.60' W long. (Cape Kazakof) and south of 58° 05.50' N lat. - Spiridon Bay Terminal Harvest Area - Outer Karluk Section - Sturgeon Section - Humpy-Deadman Section - Sitkalidak Sections - Mainland District <p><u>Closed water adjustments:</u></p> <p>Reduced in: Saltery Cove to the stream terminus of Saltery Creek (stream # 259-415) for commercial and subsistence fishing Humpy Cove to the stream terminus of Humpy river (stream # 257-701) and in Deadman Bay to the latitude of Ptarmigan Point, at 57° 07.76' N lat.</p>
28	NOON 8/5/02	NOON 8/6/02	<p><u>Opening</u> for 57 hours by flare between NOON and 12:30 PM 8/6 until 9:00 PM 8/8</p> <ul style="list-style-type: none"> - Inner Kitoi Bay Section <p><u>Open</u> until further notice</p> <ul style="list-style-type: none"> - Northwest Kodiak District except for the Kizhuyak and Spiridon Bay Sections - Southwest Afognak Section - Pauls Bay Section - Duck Bay, Izhut Bay and Outer Kitoi Bay Sections - That portion of the Southeast Afognak Section east of 152° 37.60' W long. (Cape Kazakof) and south of 58° 05.50' N lat. - Spiridon Bay Terminal Harvest Area - Outer Karluk Section

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Appendix B.2. (page 13 of 19)

E.O.#	Issued	Effective	Action Taken
28 (Cont.)			<ul style="list-style-type: none"> - Sturgeon Section - Humpy-Deadman Section - Sitkalidak Sections - Mainland District <p><u>Closed water adjustments:</u> Reduced in: Humpy Cove to the stream terminus of Humpy river (stream # 257-701) and in Deadman Bay to the latitude of Ptarmigan Point, at 57° 07.76' N lat.</p>
29	11:00 AM 8/8/02	9:00PM 8/11/02	<p><u>Extension</u> for 72 hours, until 9:00 PM 8/11</p> <ul style="list-style-type: none"> - Inner Kitoi Bay Section <p><u>Open</u> until further notice</p> <ul style="list-style-type: none"> - Northwest Kodiak District except for the Kizhuyak and Spiridon Bay Sections - Southwest Afognak Section - Pauls Bay Section - Duck Bay, Izhut Bay and Outer Kitoi Bay Sections - That portion of the Southeast Afognak Section east of 152° 37.60' W long. (Cape Kazakof) and south of 58° 05.50' N lat. - Spiridon Bay Terminal Harvest Area - Outer Karluk Section - Sturgeon Section - Humpy-Deadman Section - Seven Rivers and Sitkalidak Sections - Mainland District <p><u>Closed water adjustments:</u> Reduced in: Humpy Cove to the stream terminus of Humpy river (stream # 257-701) and in Deadman Bay to the latitude of Ptarmigan Point, at 57° 07.76' N lat.</p>
30	NOON 8/10/02	6:00PM 8/12/02	<p><u>Opening</u> for 78 hours from NOON 8/12 to 6:00 PM 8/15</p> <ul style="list-style-type: none"> - Northeast Kodiak District - Northwest Afognak Section - Shuyak Island Section <p><u>Open</u> until further notice</p> <ul style="list-style-type: none"> - Northwest Kodiak District except for the Kizhuyak and Spiridon Bay Sections - Southwest Afognak Section - Pauls Bay Section - Duck Bay, Izhut Bay and Outer Kitoi Bay Sections - That portion of the Southeast Afognak Section east of

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Appendix B.2. (page 14 of 19)

E.O.#	Issued	Effective	Action Taken
30 (Cont.)			<ul style="list-style-type: none"> - 152° 37.60' W long. (Cape Kazakof) and south of 58° 05.50' N lat. - Spiridon Bay Terminal Harvest Area - Outer Karluk Section - Sturgeon Section - Humpy-Deadman Section - Seven Rivers and Sitkalidak Sections - Mainland District <p><u>Closed water adjustments:</u> Reduced in: Humpy Cove to the stream terminus of Humpy river (stream # 257-701) and in Deadman Bay to the latitude of Ptarmigan Point, at 57° 07.76' N lat.</p>
31	1:15 PM 8/15/02	6:00PM 8/15/02	<p><u>Closure</u> at 6:00 PM 8/15</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 Kodiak District except for the Kizhuyak and Spiridon Bay Sections - Southwest Afognak Section - Pauls Bay Section - Duck Bay and Izhut Bay Sections - That portion of the Southeast Afognak Section east of 152° 37.60' W long. (Cape Kazakof) and south of 58° 05.50' N lat. - Spiridon Bay Terminal Harvest Area - Outer Karluk Section - Sturgeon Section - Humpy-Deadman Section - Seven Rivers and Sitkalidak Sections - Mainland District <p><u>Closed water adjustments:</u> Reduced in: Humpy Cove to the stream terminus of Humpy river (stream # 257-701) and in Deadman Bay to the latitude of Ptarmigan Point, at 57° 07.76' N lat.</p>
32	NOON 8/17/02	NOON 8/19/02	<p><u>Opening</u> for 78 hours from NOON 8/19 through 6:00 PM 8/22</p> <ul style="list-style-type: none"> - Northwest Afognak Section - Shuyak Island Section <p><u>Closure</u> at 6:00 PM 8/19</p> <ul style="list-style-type: none"> - Outer Karluk Section - Sturgeon Section

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Appendix B.2. (page 15 of 19)

E.O.#	Issued	Effective	Action Taken
32 (Cont.)			<p><u>Open</u> until further notice</p> <ul style="list-style-type: none"> - Northwest Kodiak District except for the Kizhuyak and Spiridon Bay Sections - Southwest Afognak Section - Pauls Bay Section - Duck Bay and Izhut Bay Sections - That portion of the Southeast Afognak Section east of 152° 37.60' W long. (Cape Kazakof) and south of 58° 05.50' N lat. - Spiridon Bay Terminal Harvest Area - Humpy-Deadman Section - Seven Rivers and Sitkalidak Sections - Mainland District <p><u>Closed water adjustments:</u> Reduced in: Humpy Cove to the stream terminus of Humpy river (stream # 257-701) and in Deadman Bay to the latitude of Ptarmigan Point, at 57° 07.76' N lat.</p>
33	1:30 PM 8/21/02	6:00 PM 8/22/02	<p><u>Closure</u> at 6:00 PM 8/22</p> <ul style="list-style-type: none"> - Inner Kukak - Pauls Bay Section - Spiridon Bay Terminal Harvest Area <p><u>Open</u> until further notice</p> <ul style="list-style-type: none"> - Northwest Kodiak District except for the Kizhuyak and Spiridon Bay Sections - Southwest Afognak Section - Duck Bay and Izhut Bay Sections - That portion of the Southeast Afognak Section east of 152° 37.60' W long. (Cape Kazakof) and south of 58° 05.50' N lat. - Humpy-Deadman Section - Seven Rivers and Sitkalidak Sections - Mainland District, except the Inner Kukak Bay Section which will close at 6:00 PM 8/22 <p><u>Closed water adjustments:</u> Reduced in: Humpy Cove to the stream terminus of Humpy river (stream # 257-701) and in Deadman Bay to the latitude of Ptarmigan Point, at 57° 07.76' N lat.</p>
34	11:00 AM 8/23/02	12:00 NOON 8/24/02	<p><u>Opening</u> until further notice at NOON 8/24</p> <ul style="list-style-type: none"> - Outer Kitoi Bay Section

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Appendix B.2. (page 16 of 19)

E.O.#	Issued	Effective	Action Taken
34 (Cont.)			<p><u>Open</u> until further notice</p> <ul style="list-style-type: none"> - Northwest Kodiak District except for the Kizhuyak and Spiridon Bay Sections - Southwest Afognak Section - Duck Bay and Izhut Bay Sections - That portion of the Southeast Afognak Section east of 152° 37.60' W long. (Cape Kazakof) and south of 58° 05.50' N lat. - Humpy-Deadman Section - Seven Rivers and Sitkalidak Sections - Mainland District, except the Inner Kukak Bay Section which remains closed <p><u>Closed water adjustments:</u> Reduced in: Humpy Cove to the stream terminus of Humpy river (stream # 257-701) and in Deadman Bay to the latitude of Ptarmigan Point, at 57° 07.76' N lat.</p>
35	11:30 AM 8/26/02	12:00 NOON 8/27/02	<p><u>Opening</u> for 54 hours from NOON 8/27 to 6:00 PM 8/29</p> <ul style="list-style-type: none"> - That portion of the Southeast Afognak Section west of 152° 37.60' W long. (Cape Kazakof) and north of 58° 05.50' N lat. - Northwest Afognak Section - Shuyak Island Section - Pauls Bay Section <p><u>Open</u> until further notice</p> <ul style="list-style-type: none"> - Northwest Kodiak District except for the Kizhuyak and Spiridon Bay Sections - Southwest Afognak Section - Duck Bay, Izhut Bay, and Outer Kitoi Bay Sections - That portion of the Southeast Afognak Section east of 152° 37.60' W long. (Cape Kazakof) and south of 58° 05.50' N lat. - Humpy-Deadman Section - Seven Rivers and Sitkalidak Sections - Mainland District, except the Inner Kukak Bay Section which remains closed <p><u>Closed water adjustments:</u> Reduced in: Humpy Cove to the stream terminus of Humpy river (stream # 257-701) and in Deadman Bay to the latitude of Ptarmigan Point, at 57° 07.76' N lat.</p>

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Appendix B.2. (page 17 of 19)

E.O.#	Issued	Effective	Action Taken
36	2:30 PM 8/28/02	6:00 PM 8/29/02	<p><u>Closure</u> at 6:00 PM 8/29</p> <ul style="list-style-type: none"> - Northwest Kodiak District - Southwest Afognak Section - Sitkalidak Section <p><u>Open</u> until further notice</p> <ul style="list-style-type: none"> - Duck Bay, Izhut Bay, and Outer Kitoi Bay Sections - Southeast Afognak Section - Humpy-Deadman Section - Seven Rivers Section - Mainland District, except the Inner Kukak Bay Section which remains closed <p><u>Closed water adjustments:</u> Reduced in: Humpy Cove to the stream terminus of Humpy river (stream # 257-701) and in Deadman Bay to the latitude of Ptarmigan Point, at 57° 07.76' N lat.</p>
37	10:30 AM 9/2/02	6:00 PM 8/29/02	<p><u>Opening</u> for 78 hours from NOON 9/3 to 6:00 PM 9/6</p> <ul style="list-style-type: none"> - Northwest Afognak Section - Shuyak Section - Pauls Bay Section - Outer Ugak Bay Section - Sharatin Bay Section - Terror Bay Section - Inner Uganik Bay Section - Zacher Bay Section - Uyak Bay Section - Inner and Outer Ayakulik Sections <p><u>Open</u> until further notice</p> <ul style="list-style-type: none"> - Duck Bay, Izhut Bay, and Outer Kitoi Bay Sections - Southeast Afognak Section - Humpy-Deadman Section - Seven Rivers Section - Mainland District, except the Inner Kukak Bay Section which remains closed <p><u>Closed water adjustments:</u> Increased in: Pasagshak Bay to a line from 57° 26.00' N lat. 152° 31.15 W long., to 57° 25.50' N lat. 152° 29.4 W. long., Humpy Cove and Deadman Bay to the normal markers.</p>
38	10:30 AM 9/6/02	6:00 PM 9/6/02	<p><u>Open</u> until further notice</p> <ul style="list-style-type: none"> - Shuyak Section - Pauls Bay Section

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Appendix B.2. (page 18 of 19)

E.O.#	Issued	Effective	Action Taken
38 (Cont.)			<ul style="list-style-type: none"> - Duck Bay, Izhut Bay, and Outer Kitoi Bay Sections - Southeast Afognak Section - Sharatin Bay Section - Terror Bay Section - Inner Uganik Bay Section - Zacher Bay Section - Uyak Bay Section - Inner and Outer Ayakulik Sections <p><u>Closure</u> at 6:00 PM 9/7</p> <ul style="list-style-type: none"> - Humpy-Deadman Section - Seven River Section - Mainland District
39	10:30 AM 9/6/02	6:00 PM 9/6/02	<p><u>Opening</u> at NOON 9/17 until further notice</p> <ul style="list-style-type: none"> - Inner Kitoi Bay Section - Big River Section - Hallo Bay Section - Inner Kukak Bay Section - Outer Kukak Bay Section - Dakavak Bay Section - Katmai Bay Section <p><u>Open</u> until further notice</p> <ul style="list-style-type: none"> - Shuyak Section - Pauls Bay Section - Duck Bay, Izhut Bay, and Outer Kitoi Bay Sections - Southeast Afognak Section - Sharatin Bay Section - Terror Bay Section - Inner Uganik Bay Section - Zacher Bay Section - Uyak Bay Section - Inner and Outer Ayakulik Sections
40	1:00 PM 9/23/02	12:00 NOON 9/24/02	<p><u>Opening</u> at NOON 9/24 until further notice</p> <ul style="list-style-type: none"> - Inner Ugak Bay Section - Outer Ugak Bay Section - Northeast Kodiak District <p><u>Closure</u> at 6:00 PM 9/24</p> <ul style="list-style-type: none"> - Inner Kitoi Bay Section

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Appendix B.2. (page 19 of 19)

E.O.#	Issued	Effective	Action Taken
40 (Cont.)			<u>Open</u> until further notice <ul style="list-style-type: none">- Shuyak Section- Pauls Bay Section- Duck Bay, Izhut Bay, and Outer Kitoi Bay Sections- Southeast Afognak Section- Sharatin Bay Section- Terror Bay Section- Inner Uganik Bay Section- Zacher Bay Section- Uyak Bay Section- Inner and Outer Ayakulik Sections- Big River Section- Hallo Bay Section- Inner Kukak Bay Section- Outer Kukak Bay Section- Dakavak Bay Section- Katmai Bay Section

INTRODUCTION

Beginning in 1964 a purse seine fishery developed along the capes in the Cape Igvak Section of the Mainland District (Appendix A.2). 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 Chignik.

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 concluded that the Chignik portion of the sockeye salmon harvest in the Cape Igvak Section constituted 90%. 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 must be expected (300,000 for both the first and second run) and sockeye salmon escapement must meet the desired levels before fisheries are allowed in the Cape Igvak Section.

Since this plan was adopted in 1978, the catch of Chignik-bound sockeye salmon from the Cape Igvak Section has ranged from 0% to 15.9% of the total Chignik sockeye salmon harvest and has averaged 10.7 %, of the total Chignik sockeye salmon harvest (Appendix C.2 and C.3.). The Cape Igvak harvest has met or exceeded the 15% allocation level only 4 times (1983, 1987, 1993, and 1999).

2002 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 22 and 11 days of fishing were allowed prior to the end of the management plan period. Sixty-nine (69) purse seiners participated harvesting 556 chinook, 151,653 sockeye, 1,365 coho, 27,867 pink, and 17,306 chum salmon (Appendix C.4.). Of the total sockeye salmon harvest during the

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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.

management plan period, 90%, or 136,488 sockeye salmon were considered Chignik bound. Combined with the harvest in the Chignik Management Area (CMA) and with the harvest of Chignik bound sockeye salmon from Southeast District Mainland, the Cape Igvak harvest was calculated to account for approximately 12.99% of the total Chignik sockeye salmon return (Appendix C.2.).

First Run

In 2002 the preseason forecast for the Chignik system called for a return of approximately 1.03 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 630,000 early run sockeye salmon (Brennan et al. 2002).

By June 18 sockeye salmon escapements into the Chignik River system were over 132,000 sockeye salmon, above the desired interim objective of 125,000 to 150,000. Chignik fishermen had harvested over 300,000 sockeye. The determination was made that the allocative conditions of section (c) of the CISMP were being met, and so a 48-hour commercial fishing period was allowed in the Cape Igvak Section, running from 12:01 AM June 20 to 12:01 AM June 22. Continued good escapements through the weir and good harvests at Chignik allowed fisheries managers to extend the Igvak fishery for 48 hours to 12:01 AM June 24.

By June 23, there were 143,930 sockeye salmon harvested from the Cape Igvak Section. An estimated 90% of these sockeye salmon, or 129,537 fish, were considered Chignik bound salmon. Combined with the harvest in the CMA and with Chignik bound sockeye salmon harvested in other areas, the Cape Igvak percentage was calculated at approximately 25.65%. In accordance with the CISMP, the Igvak fishery was then closed through July 9. 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 second run (Chignik Lake) can be assessed.

Second Run

In 2002 the preseason forecast for late-run (Chignik Lake) sockeye salmon was approximately 1.09 million fish. The late-run escapement goal is 200,000 to 250,000 sockeye salmon. This left a forecasted harvestable surplus of 840 thousand sockeye salmon.

By July 15 the percentage harvest by Cape Igvak fishers was below 15%. Once again uncertainties of run strength delayed commercial fishing opportunities in the Cape Igvak Section until July 19. It was evident after the opener that harvest objectives and escapement objectives were being met in Chignik. This allowed two extensions until July 25 which concluded the time period that the CISMP was in effect.

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Fish ticket data indicates that from July 15 through July 25, KMA purse seine permit holders harvested an additional 7,723 sockeye salmon (Appendix C.4.). An estimated 90% of these sockeye salmon (6,951) were considered Chignik bound. Combined with the harvest in the CMA and with Chignik bound sockeye salmon harvested in other areas, the Cape Igvak percentage was calculated at approximately 12.99%.

Literature Cited

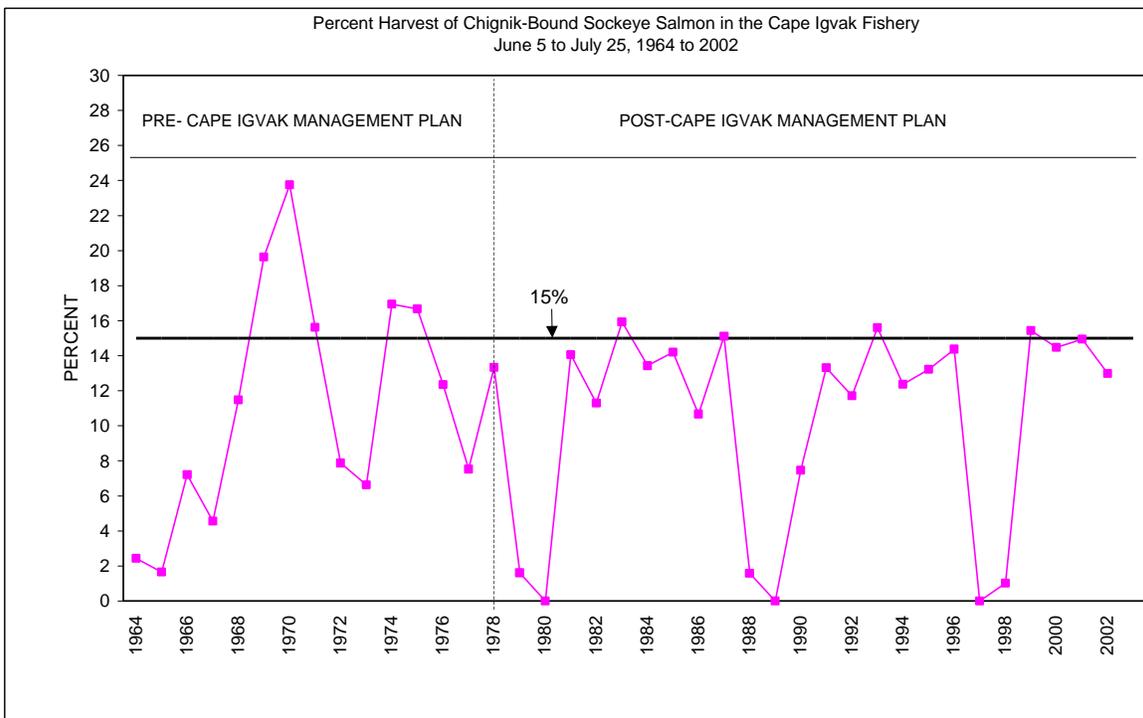
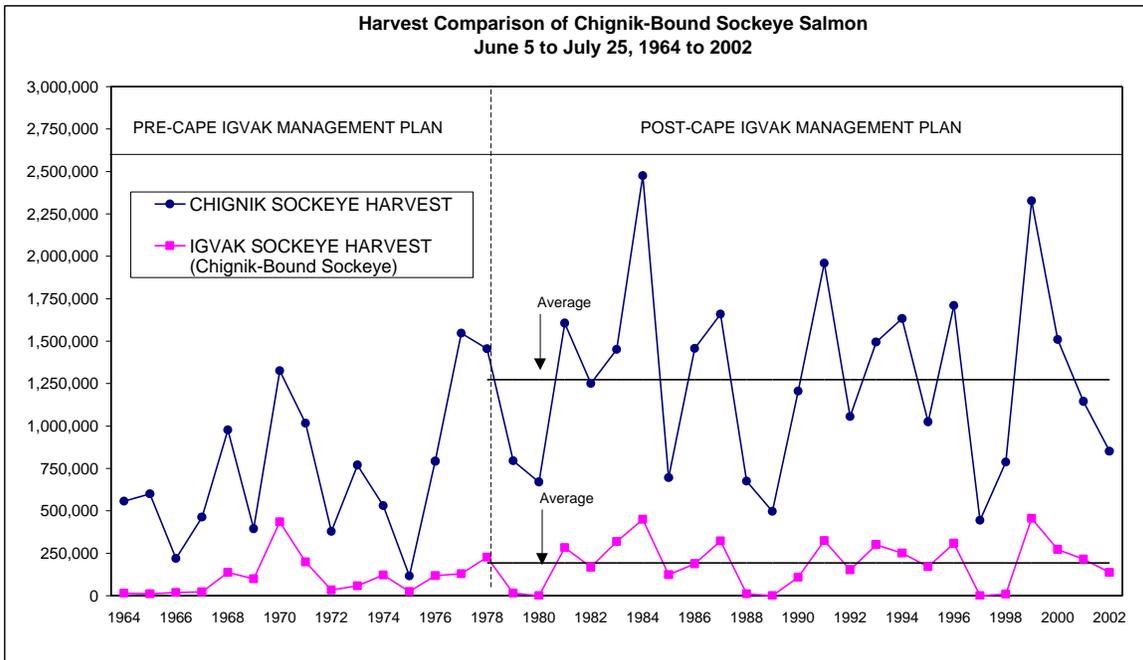
- Brennan, K., D. Gretsche, and J. Wadle. 2002. Kodiak management area harvest strategy for the 2002 commercial salmon fishery. Alaska Department of Fish and Game, Division of Commercial Fisheries, Regional Information Report 4K02-31, Kodiak.
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Appendix C.2. Harvest of sockeye salmon considered by regulation to be Chignik bound, in the Chignik, Cape Igvak, and Southeastern District Mainland commercial salmon fisheries, from 1964 - 2002.

Year	Chignik		Cape Igvak ^a		Southeastern District Mainland ^a		Total
	Catch ^b	Percent	Catch ^b	Percent	Catch ^b	Percent	
1964 ^c	556,890	90.57	14,980	2.44	43,021	7.00	614,891
1965	599,553	89.94	11,021	1.65	56,020	8.40	666,594
1966	219,794	87.99	18,003	7.21	12,011	4.81	249,808
1967	462,000	91.48	23,014	4.56	20,021	3.96	505,035
1968	977,382	82.53	135,951	11.48	70,959	5.99	1,184,292
1969	394,135	78.96	97,982	19.63	7,013	1.41	499,130
1970	1,325,734	72.51	434,394	23.76	68,181	3.73	1,828,309
1971	1,016,136	80.33	197,614	15.62	51,272	4.05	1,265,022
1972	378,218	87.99	33,865	7.88	17,752	4.13	429,835
1964 to 1972 catch and percentage figures are totals for the entire season. Catch figures and percentages after 1972 are only through July 25.							
1973 ^d	769,258	88.97	57,348	6.63	37,983	4.39	864,589
1974	530,278	73.61	122,071	16.95	68,029	9.44	720,378
1975	115,984	81.78	23,635	16.67	2,205	1.55	141,824
1976	792,024	82.96	117,926	12.35	44,730	4.69	954,680
1977	1,547,285	90.40	128,852	7.53	35,502	2.07	1,711,639
1978 ^{e,f}	1,454,389	85.38	227,014	13.33	22,064	1.30	1,703,467
1979 ^g	794,504	91.81	13,950	1.61	56,878	6.57	865,332
1980	670,001	91.31	32	0.00	63,724	8.68	733,757
1981	1,606,300	79.85	282,727	14.06	122,533	6.09	2,011,560
1982	1,250,768	84.46	167,401	11.30	62,767	4.24	1,480,936
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	423,068	12.64	3,346,845
1985 ^h	696,169	79.91	123,627	14.19	51,421	5.90	871,217
1986	1,456,729	82.64	188,017	10.67	118,006	6.69	1,762,752
1987	1,659,615	77.99	321,506	15.11	146,886	6.90	2,128,007
1988	675,487	95.67	11,218	1.59	19,320	2.74	706,025
1989	496,044	99.10	0	0.00	4,485	0.90	500,529
1990	1,205,575	83.61	107,706	7.47	128,599	8.92	1,441,880
1991 ⁱ	1,958,954	80.42	324,329	13.31	152,714	6.27	2,435,997
1992 ^j	1,054,309	81.07	152,358	11.72	93,845	7.22	1,300,512
1993	1,495,098	77.72	300,055	15.60	128,536	6.68	1,923,689
1994 ^k	1,632,435	80.61	250,230	12.36	142,350	7.03	2,025,015
1995	1,024,785	79.90	169,530	13.22	88,302	6.88	1,282,617
1996 ^l	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 ^m	786,466	91.22	8,813	1.02	66,893	7.76	862,172
1999	2,326,811	78.70	456,147	15.43	173,621	5.87	2,956,579
2000	1,509,652	80.05	272,808	14.47	103,419	5.48	1,885,879
2001 ⁿ	1,143,990	79.54	215,214	14.96	79,037	5.50	1,438,241
2002 ^o	851,031	81.01	136,488	12.99	63,026	6.00	1,050,545

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- ^a 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 in Orzinski Bay from 1992 to 1995).
- ^b Catch numbers were last modified from the ADF&G computerized historical fish ticket data base in 2000.
- ^c The data from 1964 to 1972 are based on total yearly catches. Prior to 1973 the Cape Igvak and Southeastern District Mainland fisheries were weekly fishing periods set by regulation, usually 5 days per week. Time modifications were implemented when poor escapements occurred at Chignik.
- ^d From 1974 through 1977 all three fisheries were managed on a day by day basis.
- ^e 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.
- ^f 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.
- ^g 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.
- ^h Beginning in 1985 the Southeastern District Mainland (excluding the Northwest Stepovak Section and Orzinski Bay) was allowed an allocation of 6.2% of the total harvest of Chignik bound sockeye salmon through July 25. After July 25 the Southeast District Mainland was managed based on local stock abundance. The allocation level changed to 6.0% beginning in 1988, with seining still not allowed prior to July 11.
- ⁱ Includes over escapement of 208,305 sockeye salmon, counted through the Chignik weir during a Chignik Area Seiners strike (June 23 to July 4).
- ^j 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.
- ^k Includes over escapement of 208,921 sockeye salmon, counted through the Chignik weir during a Chignik Area Seiners strike (June 2 to June 25).
- ^l 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.
- ^m Includes 7,714 sockeye salmon caught on June 18 by the Chignik Seiners Association (CSA), and an overescapement of 52,131 sockeye salmon counted past the weir during the CSA boycott (June 16 to June 29).
- ⁿ In 2002 the BOF increased the percentage of sockeye salmon harvest considered Chignik bound from 80% to 90%.



Appendix C.3. Impact of the Cape Igvak Salmon Management Plan, 1964 - 2002.

Appendix C.4. Purse seine daily salmon harvest, by species, for the Cape Igvak Salmon Management Plan units, 2002.

Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
First Run (June 9 - July 8)												
20-Jun	45	50	184	3,104	38,908	238,128	36	112	619	1,864	4,160	34,190
21-Jun	18	18	75	1,627	17,308	106,165	0	0	201	605	1,168	10,480
22-Jun	23	25	83	1,286	28,185	160,337	0	0	412	1,228	2,767	22,112
23-Jun	37	42	194	1,894	59,529	358,136	0	0	638	2,085	6,692	48,674
Total	68	135	536	7,911	143,930	862,766	36	112	1,870	5,782	14,787	115,456
Second Run (July 9 - July 25)												
19-Jul	15	15	10	164	5,202	32,266	769	6,166	13,415	53,145	1,522	13,127
20-Jul	8	8	2	20	1,156	6,649	252	2,055	10,312	36,657	513	4,694
21-Jul	4	4	8	60	1,365	8,187	308	2,587	2,270	8,902	484	4,402
Total	20	27	20	244	7,723	47,102	1,329	10,808	25,997	98,704	2,519	22,223
Post Igvak Management Plan (post July 25)												
Total	0	0	0	0	0	0	0	0	0	0	0	0
Total Igvak Harvest												
20-Jun	45	50	184	3,104	38,908	238,128	36	112	619	1,864	4,160	34,190
21-Jun	18	18	75	1,627	17,308	106,165	0	0	201	605	1,168	10,480
22-Jun	23	25	83	1,286	28,185	160,337	0	0	412	1,228	2,767	22,112
23-Jun	37	42	194	1,894	59,529	358,136	0	0	638	2,085	6,692	48,674
19-Jul	15	15	10	164	5,202	32,266	769	6,166	13,415	53,145	1,522	13,127
20-Jul	8	8	2	20	1,156	6,649	252	2,055	10,312	36,657	513	4,694
21-Jul	4	4	8	60	1,365	8,187	308	2,587	2,270	8,902	484	4,402
Total	69	162	556	8,155	151,653	909,868	1,365	10,920	27,867	104,486	17,306	137,679
Avg. Wt.				14.67		6.00		8.00		3.75		7.96

INTRODUCTION

The Alitak Bay District (ABD) fishery is unique in the KMA, because set gillnet and seine gear can both fish in this district, but are segregated in different 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 A.3.). 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 was adopted by the BOF (5AAC 18.361). This plan details the key species and targeted stocks that are managed for in each section of the district throughout the fishing season. The stated intent of this plan is that salmon be harvested in the "traditional" fisheries located in the Cape Alitak, Humpy-Deadman, Alitak Bay, Moser Bay, and Olga Bay Sections (ADF&G 2002).

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. 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 was given a specific statistical area number. The initial commercial fishing period remained a 33-hour, commercial test fishery, for the entire district. However, through September 15, all subsequent commercial fisheries in the Cape Alitak Section and the new Alitak Bay, Moser Bay, and Olga Bay Sections were to have staggered opening times according to regulation (ADFG 2002).

2002 Alitak Bay District Fisheries

As scheduled in the 2002 Kodiak Area Commercial Salmon Fishery Harvest Strategy the first commercial salmon fishing period for the ABD began on June 9 for 33 hours (Brennan 2002). There was no commercial salmon fishing effort during the initial June 9 fishing period (Appendix D.2.). Despite no commercial fishing effort, escapements were poor for both the early-run Upper Station and Frazer sockeye salmon. The ADF&G test fishery in Olga Narrows also indicated little movement of sockeye salmon toward the Upper Station and Frazer systems. No further commercial fisheries were allowed in the ABD targeting early-run (before July 15) sockeye salmon; the Alitak early-run sockeye salmon harvest forecast (Frazer and Upper Station) was 389,000. Escapements to Frazer (counted through the Dog Salmon Weir) were very weak (106,000), and did not meet the established goals (140,000 to 200,000). Upper Station early-run sockeye salmon exceeded the optimal escapement goal (25,000) but the final early-run escapement (36,800) did not meet the biological escapement goals (50,000 to 75,000).

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Late-run Upper Station sockeye salmon were much weaker than expected, for the second consecutive year. No commercial fisheries were allowed in those sections of the Alitak District that target Upper Station or late Frazer sockeye salmon. The late-run Upper Station escapement (150,300) just met the lower escapement goal (150,000 to 200,000). Due to strong pink salmon returns to many ABD streams, fishing time was allowed in the outer, seine-only, Humpy-Deadman Section (Appendix D.3.). Pink salmon catches were excellent with 1,078,120 (forecast 600,000) being harvested (Appendix D.4.) There was a small, incidental harvest of sockeye salmon (14,575; Appendix D.5.) that was well below the forecasted harvest of 259,000 late-run (post July 15) sockeye salmon (Brennan 2002).

Literature 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. Gretsche, and J. Wadle. 2002. Kodiak management area harvest strategy for the 2002 commercial salmon fishery. Alaska Department of Fish and Game, Division of Commercial Fisheries, Regional Information Report 4K02-31, Kodiak.
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Appendix D.2. Salmon harvest, by gear type and by species, for the Alitak Bay District management units, 2002.

	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		Total	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Purse Seine														
Total	13	194	13	401	14,575	81,642	1,060	7,942	1,078,120	4,010,153	10,164	86,110	1,103,932	4,186,248
Avg. Wt.				30.8		5.6		7.5		3.7		8.5		
ADF&G														
Total	1	31	0	0	665	3,846	0	0	254	1,033	34	296	953	5,175
Avg. Wt.				0		5.78		0		4.06		8.7		

Appendix D.3. Commercial salmon harvest, by species, with percent harvest by gear type, in the Alitak Bay District, of the Kodiak Management Area, 1954 - 2002.

Year	Chinook			Sockeye			Coho			Pink			Chum			Total		
	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 D.3. (page 2 of 2)

Year	Chinook			Sockeye			Coho			Pink			Chum			TOTAL			
	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	1056	9%	91%	525,158	53%	47%	24,548	55%	45%	59,268	28%	72%	34,580	43%	57%	644,610	50%	50%	
1993	1828	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	1946	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	1487	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%	
Average																			
1954-2001 ^a	294	21%	77%	423,335	67%	33%	11,905	49%	51%	1,277,809	20%	80%	65,502	22%	78%	1,778,846	30%	70%	
1999-2001	938	13%	87%	893,054	57%	43%	22,212	47%	53%	1,796,179	18%	82%	69,586	26%	74%	2,781,969	33%	67%	

^a 1989 is not included in averages because of fishery restrictions and unusual fishing patterns due to the *M/V Exxon Valdez* oil spill.

Appendix D.4. Purse seine daily salmon harvest, by species, for the Alitak Bay District, 2002.

Statistical Area	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		Total	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
HUMPY DEADMAN SECTION															
257-50	22-Jul	7	7	0	0	215	1,394	5	31	34,114	136,463	155	1,794	34,489	139,682
	23-Jul	5	5	0	0	685	3,437	28	172	33,970	135,989	296	2,092	34,979	141,690
	24-Jul	4	4	0	0	598	3,100	6	48	25,167	100,675	95	1,036	25,866	104,859
	25-Jul	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	29-Jul	8	8	0	0	261	1,567	11	79	61,769	216,127	135	1,086	62,176	218,859
	30-Jul	6	7	0	0	145	874	10	72	51,078	197,088	139	1,410	51,372	199,444
	31-Jul	7	7	0	0	153	928	47	391	29,498	117,998	57	574	29,755	119,891
	1-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	2-Aug	8	9	0	0	41	221	1	11	62,827	230,413	340	3,131	63,209	233,776
	3-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	4-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	5-Aug	7	7	0	0	240	1,342	13	91	29,198	100,039	152	1,231	29,603	102,703
	8-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	9-Aug	5	5	0	0	75	461	11	85	47,913	161,972	663	5,336	48,662	167,854
	10-Aug	10	10	0	0	387	2,343	21	153	41,710	146,027	1,273	9,250	43,391	157,773
	11-Aug	5	5	1	12	121	734	32	212	19,474	68,169	435	3,486	20,063	72,613
	13-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	14-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	23-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	TOTAL	12	87	1	12	3,748	20,976	244	1,793	497,656	1,836,590	5,003	41,865	506,652	1,901,236
	AVG.WT.				12.0		5.6		7.3		3.7		8.4		
257-60	25-Jul	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	5-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	TOTAL	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	AVG.WT.														
257-70	16-Jul	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	17-Jul	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	23-Jul	4	4	0	0	554	2,781	19	120	24,945	99,859	110	789	25,628	103,549
	24-Jul	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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Appendix D.4. (page 2 of 2)

Statistical Area	Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		Total	
				Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
	25-Jul	7	8	0	0	521	3,326	5	43	59,241	237,186	179	1,630	59,946	242,185
	30-Jul	6	6	1	42	239	1,343	73	507	57,416	202,453	98	786	57,827	205,131
	31-Jul	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	1-Aug	9	9	0	0	62	370	19	134	39,686	138,920	55	441	39,822	139,865
	2-Aug	4	8	0	0	71	414	5	41	42,649	168,956	24	182	42,749	169,593
	3-Aug	8	9	2	92	150	986	22	175	44,646	178,597	34	353	44,854	180,203
	4-Aug	9	9	0	0	260	1,566	46	323	67,114	235,907	260	2,079	67,680	239,875
	5-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	6-Aug	11	12	0	0	1,532	9,419	126	932	70,410	247,911	1,533	13,342	73,601	271,604
	7-Aug	9	10	4	113	2,459	12,160	86	665	57,394	222,140	228	1,819	60,171	236,897
	8-Aug	7	8	4	98	1,219	6,578	99	788	32,076	120,311	167	1,369	33,565	129,144
	9-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	11-Aug	4	4	0	0	356	2,170	74	528	9,388	32,870	202	1,618	10,020	37,186
	14-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	23-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	TOTAL	13	105	12	389	10,703	59,897	809	6,096	568,544	2,127,648	5,031	43,127	585,099	2,237,157
	AVG.WT.				32.4		5.6		7.5		3.7		8.6		
Purse Seine	Total	13	194	13	401	14,575	81,642	1,060	7,942	1,078,120	4,010,153	10,164	86,110	1,103,932	4,186,248
	AVG.WT.				30.8		5.6		7.5		3.7		8.5		

* = Confidential information

Appendix D.5. Sockeye salmon harvest and number of permits operating in the Alitak Bay District, by gear type and location of harvest, in the Kodiak Management Area, 1982-2002.

Year	Gillnet									Seine			All Gear District Harvest
	Moser/Alitak Bay			Olga Bay			Total District			Total District			
	Permits	Harvest	%	Permits	Harvest	%	Permits	Harvest	%	Permits	Harvest	%	
1982	56	246,998	52	44	162,696	34	66	409,694	86	109	67,168	14	476,862
1983	61	183,417	40	36	85,894	19	68	269,311	59	158	190,776	41	460,087
1984	62	176,297	46	40	79,917	21	70	256,214	67	75	126,515	33	382,729
1985	70	301,634	43	45	138,677	20	75	440,311	63	125	262,924	37	703,235
1986	67	338,492	27	65	386,491	31	79	724,983	58	146	522,383	42	1,247,366
1987	60	188,343	37	61	133,861	26	73	322,204	63	153	193,206	37	515,410
1988	65	401,887	36	59	251,431	22	81	653,318	58	123	470,529	42	1,123,847
1989 ^a	45	133,983	10	80	1,150,084	90	87	1,284,067	100	1	107	0	1,284,174
1990	73	507,372	35	63	237,271	17	91	744,643	52	158	690,818	48	1,435,461
1991	65	626,061	30	67	571,713	28	86	1,197,774	58	187	864,944	42	2,062,718
1992	65	197,733	38	44	78,726	15	79	276,459	53	141	248,699	47	525,158
1993 ^b	64	384,487	38	35	140,168	14	76	524,655	53	116	474,096	47	998,751
1994	61	364,925	39	43	135,941	15	74	500,866	54	111	430,462	46	931,328
1995 ^b	61	622,810	37	30	160,188	10	75	782,998	47	149	890,194	53	1,673,192
1996 ^b	71	677,399	46	23	104,805	7	80	782,204	54	138	676,011	46	1,458,215
1997	70	318,855	47	47	84,733	12	78	403,588	59	92	282,047	41	685,635
1998 ^b	61	448,625	45	30	118,947	12	77	567,572	57	71	435,018	43	1,002,590
1999 ^b	72	318,283	50	42	119,977	19	76	438,260	69	50	193,096	31	631,356
2000 ^b	70	265,240	47	29	55,820	10	77	321,060	57	58	237,614	43	558,674
2001	61	242,141	52	32	53,094	11	77	295,235	64	34	166,550	36	461,785
2002 ^b	0	0	0	0	0	0	0	0	0	13	14,575	100	14,575
Averages ^a													
1982-01 ^a	65	358,474	39	44	163,176	18	77	521,650	57	115	390,687	43	912,337
1983-87	64	237,637	36	49	164,968	25	73	402,605	61	131	259,161	39	661,765
1988-93 ^a	66	423,508	34	54	255,862	21	83	679,370	55	145	549,817	45	1,229,187
1994-98	65	486,523	42	35	120,923	11	77	607,446	53	112	542,746	47	1,150,192
99-2001	68	275,221	50	34	76,297	14	77	351,518	64	47	199,087	36	550,605

^a Harvest patterns were unusual due to the effect of the Exxon Valdez oil spill. The harvest in 1989 was not used to calculate averages.

^b There were no commercial mop up fisheries in the normally closed water areas of Olga Bay during this year.

INTRODUCTION

Management of westside Kodiak fisheries is very complex due to the mixing of various local salmon stocks during inshore migration. Many tagging studies along the westside of Kodiak Island helped to 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 (Central Section), and occasional allocative disputes have arisen. Harvest strategies evolved until 1990, when a specific management plan governing fisheries along the westside 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) 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 (Appendices A.4. - A.5. and A.7.). 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 (ADF&G 2002.)

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. 2002).

2002 Westside Kodiak Fisheries

Karluk early-run (through July 15) sockeye salmon once again were strong and came in early. The initial commercial fishing period was June 9, however due to price disputes there was limited commercial fishing effort until the strike ended on June 16, 2003. Sockeye salmon escapements quickly surpassed objectives; the early-run escapement goal (150,000 to 250,000) was exceeded on June 11. Continuous fishing was permitted along the westside and in the Outer Karluk Section from June 9 through July 9 (the end of the first pink salmon period) and the terminal Inner Karluk Section was opened to continuous fishing from June 15 through July 15. The Karluk early-run sockeye salmon escapement was 453,500 fish. Approximately 430,400 sockeye salmon were harvested in early-season westside fisheries, well above the forecast (273,000). Karluk late-run (post July 15) sockeye salmon were also stronger than expected. Very strong pink salmon runs led to liberal westside fishing opportunities during July and continuous fishing from July 29 through August 29. The late-run

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sockeye salmon escapement objective (400,000 to 550,000) was achieved (412,100). Harvests from fisheries directed on Karluk late-run salmon include about 460,300 sockeye salmon, again exceeding the forecast (235,000).

Ayakulik sockeye salmon early escapements started off strong. By June 9 the Ayakulik sockeye salmon escapement was nearly twice the upper interim goal, and both the Inner and Outer Ayakulik Sections were opened to commercial fishing. Again, due to price disputes there was virtually no fishing effort. Sockeye salmon escapement quickly tapered off, but with no fishing effort interim escapement goals continued to be exceeded. Another commercial fishery was allowed on June 19, but catches were very poor and both sections closed on June 20. The escapement counts slowed, but continued at a low rate through August. Pink salmon returns to the Ayakulik were also weak, and no additional fishing time was allowed in the Inner or Outer Ayakulik Sections until September 3. The end-of-season sockeye salmon escapement (229,300) met established goals (200,000 to 300,000). The Ayakulik sockeye salmon harvest (7,200) was well below forecast (304,000).

The total commercial harvest from westside Kodiak management units (Southwest Afognak to Ayakulik²) was 11,057,062 salmon, including 14,921 chinook, 1,179,697 sockeye, 166,377 coho, 9,445,914 pink, and 250,153 chum salmon from 5,369 landings (Appendix E.2. and E.3.), which represents 48.5 percent of the total KMA salmon harvest. Purse seine fishers made 1,961 landings for 12,615 chinook (85%), 588,837 sockeye (50%), 115,641 coho (70%), 7,423,945 pink (79%), and 225,008 chum salmon (71%). Set gillnet fishers made 3,408 landings for 2,306 chinook (15%), 590,860 sockeye (50%), 50,736 coho (30%), 2,021,969 pink (21%), and 250,153 chum salmon (29%). Commercial salmon harvests, by gear type, for westside management units can be found in Appendices E.4. to E.5.

Literature 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. Gretsche, and J. Wadle. 2002. Kodiak management area harvest strategy for the 2002 commercial salmon fishery. Alaska Department of Fish and Game, Division of Commercial Fisheries, Regional Information Report 4K02-31, Kodiak.

² 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.

Appendix E.2. Commercial salmon harvest, by species, for the Westside management units in the Kodiak Management Area, 1970 - 2002.

Year	Number of Salmon					Total ^a
	Chinook	Sockeye	Coho	Pink	Chum	
1970	702	230,424	36,038	3,485,342	135,658	3,888,164
1971	96	66,199	5,596	752,869	128,747	953,507
1972	867	121,203	4,990	608,989	193,569	929,618
1973	145	76,010	1,403	288,568	49,931	416,057
1974	227	181,075	4,919	930,645	34,214	1,151,080
1975	50	75,983	14,439	1,441,658	36,358	1,568,488
1976	253	350,403	10,412	4,786,866	91,524	5,239,458
1977	454	363,690	12,619	2,107,769	115,435	2,599,967
1978	1,352	491,503	20,216	6,245,588	134,794	6,893,453
1979	611	185,363	47,043	3,860,734	59,469	4,153,220
1980	385	411,862	44,639	11,344,424	132,910	11,934,220
1981	899	415,018	36,650	3,183,618	246,825	3,883,010
1982	858	427,454	128,718	5,538,196	450,819	6,546,045
1983	2,344	297,045	49,393	1,728,428	374,187	2,451,397
1984	3,634	925,236	104,347	9,291,637	166,069	10,490,923
1985	4,304	920,015	97,474	1,979,788	226,726	3,228,307
1986	3,728	1,632,227	102,304	9,472,330	584,538	11,795,127
1987	2,268	754,943	855,055	1,643,187	261,601	3,517,054
1988	11,848	998,895	141,115	8,574,478	609,946	10,336,282
1989 ^b	0	3,489	986	1,005	53	5,533
1990	12,090	3,383,351	176,475	3,674,278	218,883	7,465,077
1991	11,780	2,842,802	179,852	5,588,982	346,193	8,969,609
1992	17,238	2,306,791	128,737	1,538,305	302,779	4,293,850
1993	22,189	2,425,370	124,497	10,344,080	300,571	13,216,707
1994	16,930	1,365,227	137,963	3,903,911	329,578	5,753,609
1995	13,819	2,081,175	147,403	21,070,138	722,823	24,035,358
1996	10,472	2,685,573	73,610	1,823,460	367,700	4,960,815
1997	11,152	1,412,061	108,459	6,520,085	214,730	8,266,487
1998	11,550	2,274,571	154,945	12,065,707	173,493	14,680,266
1999	12,795	2,734,413	104,836	4,114,567	267,471	7,234,082
2000	7,254	1,518,705	97,512	4,988,417	358,693	6,970,581
2001	18,317	1,617,700	143,681	3,687,193	381,098	5,847,989
2002	14,921	1,179,697	166,377	9,445,914	250,153	11,057,062
Average ^c						
1970-2001	6,471	1,147,493	106,301	5,051,104	258,624	6,569,994
Average ^c						
1992-2001	14,172	2,042,159	122,164	7,005,586	341,894	9,525,974

^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.

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

^c Averages do not include 1989.

Appendix E.3. Commercial salmon harvest, by gear type and species, for the Westside Kodiak Management Plan units, 2002.

Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		Total	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Purse Seine	135	1,961	12,615	120,361	588,837	3,189,871	115,641	927,746	7,423,945	26,891,299	177,389	1,320,650	8,318,427	32,449,927
	Avg. Wt.			9.54		5.42		8.02		3.62		7.44		
Set Gillnet	93	3,408	2,306	20,503	590,860	3,439,621	50,736	414,185	2,021,969	8,070,957	72,764	574,241	2,738,635	12,519,507
	Avg. Wt.			8.89		5.82		8.16		3.99		7.89		
Grand Total	228	5,369	14,921	140,864	1,179,697	6,629,492	166,377	1,341,931	9,445,914	34,962,256	250,153	1,894,891	11,057,062	44,969,434
	Avg. Wt.			9.44		5.62		8.07		3.70		7.57		

^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 E.4. Purse seine daily salmon harvest, by species, for the Westside Management Plan units, 2002.

Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		Total		
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	
SOUTHWEST AFOGNAK SECTION															
16-Jun	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17-Jun	9	10	499	3,532	6,623	29,266	0	0	172	632	1,053	7,208	8,347	40,638	
18-Jun	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
19-Jun	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
20-Jun	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
21-Jun	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
23-Jun	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
24-Jun	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
27-Jun	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
28-Jun	4	4	89	1,217	1,806	10,473	1	7	1,111	5,003	979	8,699	3,986	25,399	
29-Jun	6	7	701	6,089	2,553	13,601	2	17	2,579	9,207	2,017	15,359	7,852	44,273	
30-Jun	13	13	954	10,782	8,378	44,790	0	0	7,455	27,490	3,372	28,240	20,159	111,302	
1-Jul	15	21	1,486	14,328	14,845	76,298	0	0	10,945	37,500	4,888	41,542	32,164	169,668	
2-Jul	11	11	376	3,255	5,322	28,040	0	0	4,948	15,109	1,288	10,253	11,934	56,657	
3-Jul	9	9	174	1,477	5,786	32,180	0	0	5,072	17,670	1,518	12,532	12,550	63,859	
4-Jul	9	9	103	856	5,137	30,518	0	0	5,542	18,929	1,172	9,383	11,954	59,686	
5-Jul	12	13	100	826	7,693	46,216	3	27	13,262	40,493	1,931	15,585	22,989	103,147	
6-Jul	12	12	60	800	8,536	49,241	47	418	12,428	42,774	1,569	12,460	22,640	105,693	
7-Jul	6	6	54	480	3,441	20,347	4	38	6,410	19,439	513	4,113	10,422	44,417	
8-Jul	7	7	19	178	4,074	18,643	97	754	5,449	20,441	311	2,173	9,950	42,189	
9-Jul	6	6	41	187	2,402	13,742	88	602	3,333	13,291	320	2,474	6,184	30,296	
16-Jul	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
17-Jul	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
22-Jul	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
23-Jul	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
24-Jul	9	9	137	1,257	1,077	5,851	991	7,374	29,373	107,182	754	6,069	32,332	127,733	
25-Jul	7	9	23	246	1,182	6,749	739	5,637	30,650	113,572	504	4,196	33,098	130,400	
29-Jul	*	*	*	*	*	*	*	*	*	*	*	*	*	*	

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Appendix E.4. (page 2 of 7)

Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		Total	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
30-Jul	6	8	9	115	2,692	13,916	524	3,676	55,588	184,945	671	4,852	59,484	207,504
31-Jul	*	*	*	*	*	*	*	*	*	*	*	*	*	*
1-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
7-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
6-Sep	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	61	196	6,640	59,787	104,446	548,350	8,994	73,274	325,203	1,157,737	28,049	224,478	473,332	2,063,626
Avg. Wt.				9.00		5.25		8.15		3.56		8.00		

NORTHWEST KODIAK DISTRICT

16-Jun	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17-Jun	4	4	154	902	808	3,768	0	0	69	237	101	735	1,132	5,642
18-Jun	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19-Jun	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21-Jun	10	10	129	929	4,828	22,565	0	0	402	1,320	2,845	19,852	8,204	44,666
22-Jun	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23-Jun	10	10	22	237	7,811	39,623	0	0	2,011	6,673	7,749	54,995	17,593	101,528
24-Jun	8	8	13	122	3,129	15,486	0	0	1,350	4,564	5,840	38,758	10,332	58,930
25-Jun	5	5	147	1,134	1,129	6,872	0	0	248	745	423	3,006	1,947	11,757
27-Jun	10	10	10	74	1,911	12,295	2	15	1,610	6,719	2,528	22,128	6,061	41,231
28-Jun	22	24	781	4,711	5,778	36,244	20	133	7,652	26,627	7,809	59,090	22,040	126,805
29-Jun	18	19	131	1,187	4,586	23,576	6	31	4,128	13,045	3,458	28,820	12,309	66,659
30-Jun	24	24	213	2,470	4,902	27,605	15	116	8,664	28,616	4,352	30,905	18,146	89,712
1-Jul	15	16	273	2,256	6,501	36,230	5	37	5,143	17,710	1,685	12,895	13,607	69,128
2-Jul	21	21	330	2,440	7,735	41,515	45	345	14,537	49,149	2,827	22,246	25,474	115,695
3-Jul	13	13	11	42	3,281	15,956	9	64	9,356	40,718	1,523	10,918	14,180	67,698

-Continued-

Appendix E.4. (page 3 of 7)

Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		Total	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
4-Jul	4	4	25	164	1,308	6,566	0	0	4,014	16,065	568	5,531	5,915	28,326
5-Jul	13	13	40	455	3,816	21,346	0	0	8,985	31,249	617	4,844	13,458	57,894
6-Jul	12	13	63	589	3,223	19,078	44	318	8,622	31,330	683	5,545	12,635	56,860
7-Jul	8	8	15	115	2,806	17,018	45	278	6,407	23,439	445	3,741	9,718	44,591
8-Jul	15	15	60	721	4,173	27,375	27	185	13,960	51,703	1,126	9,418	19,346	89,402
9-Jul	9	9	23	245	3,737	21,657	535	3,466	10,108	39,155	699	5,545	15,102	70,068
14-Jul	23	24	82	712	11,090	61,406	1,711	12,646	110,291	391,370	3,697	30,039	126,871	496,173
15-Jul	21	24	189	2,067	4,191	24,403	1,881	13,235	76,300	306,912	3,732	30,586	86,293	377,203
16-Jul	31	32	90	1,032	7,759	44,031	5,491	40,306	114,241	410,239	5,234	40,845	132,815	536,453
17-Jul	40	43	144	1,612	6,430	37,713	5,365	44,255	155,947	550,849	6,502	51,533	174,388	685,962
22-Jul	42	44	240	2,349	7,093	40,350	3,026	22,852	242,794	851,638	6,077	48,645	259,230	965,834
23-Jul	38	47	101	1,349	8,642	48,774	2,107	16,325	242,976	851,255	7,134	60,382	260,960	978,085
24-Jul	39	50	228	2,974	4,457	25,095	5,676	27,174	213,017	772,314	7,389	60,886	230,767	888,443
25-Jul	54	66	155	1,865	16,914	95,321	3,323	26,717	340,659	1,205,621	6,613	53,940	367,664	1,383,464
29-Jul	52	59	132	1,432	14,600	86,776	1,715	13,560	425,341	1,533,028	2,582	21,210	444,370	1,656,006
30-Jul	49	61	159	1,873	10,724	61,053	3,558	26,462	465,649	1,682,040	3,095	23,189	483,185	1,794,617
31-Jul	28	32	37	607	5,514	30,196	1,452	11,370	249,205	841,625	1,745	14,110	257,953	897,908
1-Aug	43	45	51	662	5,809	31,699	2,761	22,461	262,101	949,439	1,399	12,315	272,121	1,016,576
2-Aug	39	53	51	733	6,637	38,551	2,321	18,696	400,919	1,483,536	2,467	22,411	412,395	1,563,927
3-Aug	12	15	20	281	1,921	9,306	1,261	7,832	152,638	559,219	931	6,163	156,771	582,801
4-Aug	24	34	34	538	2,291	12,583	1,935	15,825	225,263	811,108	1,232	10,111	230,755	850,165
5-Aug	11	12	4	32	850	4,757	461	3,547	76,446	282,636	465	4,292	78,226	295,264
6-Aug	19	31	23	245	3,951	21,354	1,208	10,148	233,355	862,915	923	7,509	239,460	902,171
7-Aug	18	24	41	561	2,971	15,034	1,912	11,392	166,538	609,449	486	3,733	171,948	640,169
8-Aug	15	18	23	340	2,399	13,433	594	4,925	111,705	414,791	231	1,844	114,952	435,333
9-Aug	21	26	7	157	2,466	13,250	780	6,572	137,640	494,774	366	3,105	141,259	517,858
10-Aug	17	20	3	52	1,976	10,697	650	5,024	88,235	329,214	247	1,987	91,111	346,974
11-Aug	21	26	12	181	5,671	33,080	2,216	18,242	194,221	704,132	1,273	11,302	203,393	766,937
12-Aug	19	23	1	18	5,430	30,349	2,347	20,937	101,120	359,535	498	4,158	109,396	414,997
13-Aug	21	24	8	123	1,808	10,574	1,458	12,330	140,305	530,774	361	3,054	143,940	556,855
14-Aug	22	31	7	166	5,702	30,872	2,738	21,053	125,179	447,333	556	4,668	134,182	504,092

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Appendix E.4. (page 4 of 7)

Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		Total	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
15-Aug	29	36	11	138	7,630	45,754	2,954	26,420	166,581	600,831	738	6,229	177,914	679,372
16-Aug	28	30	6	57	4,214	24,974	3,016	26,419	178,690	664,871	10,265	38,567	196,191	754,888
17-Aug	35	37	14	148	3,441	19,978	3,849	33,821	149,228	560,036	1,347	11,263	157,879	625,246
18-Aug	30	31	10	157	7,602	45,008	3,310	29,191	95,660	347,918	255	2,263	106,837	424,537
19-Aug	22	24	36	407	5,863	31,933	2,862	24,971	96,156	352,371	534	4,803	105,451	414,485
20-Aug	13	13	15	367	2,529	14,839	1,109	9,250	28,452	103,291	195	1,607	32,300	129,354
21-Aug	16	17	7	65	4,565	25,834	1,662	17,761	62,904	241,432	291	2,428	69,429	287,520
22-Aug	14	15	0	0	2,458	14,702	1,683	13,742	51,136	187,188	191	1,561	55,468	217,193
23-Aug	12	12	1	28	3,568	22,108	1,612	14,236	43,931	158,733	149	1,365	49,261	196,470
24-Aug	12	16	0	0	2,325	13,567	2,152	22,216	44,318	168,820	97	796	48,892	205,399
25-Aug	13	13	2	40	2,517	14,475	1,316	10,824	10,055	37,816	108	828	13,998	63,983
26-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
27-Aug	9	9	0	0	1,662	8,373	866	8,923	5,060	19,837	10	88	7,598	37,221
28-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
29-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	122	1,357	4,443	42,793	273,836	1,537,768	85,509	680,597	6,097,852	22,092,190	125,352	947,865	6,586,992	25,301,213
Avg. Wt.				9.63		5.62		7.96		3.62		7.56		

OUTER KARLUK SECTION

16-Jun	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17-Jun	10	10	23	215	3,608	14,526	1	11	110	337	456	4,253	4,198	19,342
18-Jun	26	27	286	3,084	13,705	54,061	0	0	149	462	1,484	12,320	15,624	69,927
20-Jun	12	12	156	1,183	6,833	33,509	0	0	246	854	934	6,496	8,169	42,042
21-Jun	6	6	13	202	2,456	12,132	0	0	152	505	471	3,354	3,092	16,193
22-Jun	4	4	29	352	825	4,165	0	0	95	307	244	1,788	1,193	6,612
23-Jun	*	*	*	*	*	*	*	*	*	*	*	*	*	*
24-Jun	*	*	*	*	*	*	*	*	*	*	*	*	*	*
27-Jun	*	*	*	*	*	*	*	*	*	*	*	*	*	*
28-Jun	9	9	19	262	2,758	13,581	0	0	458	1,470	216	1,715	3,451	17,028
29-Jun	8	8	22	345	2,668	14,222	0	0	1,200	3,745	825	6,609	4,715	24,921
30-Jun	4	4	53	596	920	4,994	0	0	437	1,667	317	2,600	1,727	9,857

-Continued-

Appendix E.4. (page 5 of 7)

Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		Total	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
1-Jul	10	10	64	583	4,736	24,547	0	0	3,325	11,049	597	4,564	8,722	40,743
2-Jul	5	5	15	124	1,328	7,605	0	0	1,115	3,664	212	1,925	2,670	13,318
3-Jul	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4-Jul	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5-Jul	4	4	10	141	685	3,581	1	7	1,465	4,523	251	1,899	2,412	10,151
7-Jul	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9-Jul	*	*	*	*	*	*	*	*	*	*	*	*	*	*
14-Jul	*	*	*	*	*	*	*	*	*	*	*	*	*	*
16-Jul	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17-Jul	*	*	*	*	*	*	*	*	*	*	*	*	*	*
1-Aug	4	4	0	0	736	4,252	271	2,176	8,908	34,095	0	0	9,915	40,523
2-Aug	6	10	2	35	3,972	24,240	280	1,929	61,686	246,714	36	288	65,976	273,206
4-Aug	7	9	2	30	3,505	18,177	417	3,255	36,735	139,956	58	483	40,717	161,901
5-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
6-Aug	4	4	17	290	3,312	15,758	412	3,321	21,178	84,817	5	40	24,924	104,226
7-Aug	8	9	19	410	3,052	18,405	820	6,817	46,810	157,333	79	726	50,780	183,691
8-Aug	5	6	4	57	3,571	20,325	684	6,070	37,053	125,477	60	528	41,372	152,457
9-Aug	5	5	7	105	3,332	19,133	754	5,954	23,874	86,611	21	166	27,988	111,969
10-Aug	10	14	13	209	7,006	37,836	1,294	10,416	49,963	172,309	71	675	58,347	221,445
11-Aug	10	11	7	111	9,114	57,073	1,083	9,528	50,818	188,179	168	1,405	61,190	256,296
12-Aug	10	10	17	300	8,195	47,663	865	9,231	37,824	142,184	89	855	46,990	200,233
13-Aug	8	8	14	322	4,156	25,826	1,448	8,925	34,267	127,287	75	654	39,960	163,014
14-Aug	10	15	2	45	8,670	51,168	986	7,936	77,611	272,277	82	685	87,351	332,111
15-Aug	6	6	1	25	3,953	21,129	456	3,884	35,122	124,317	106	862	39,638	150,217
16-Aug	7	8	3	61	6,588	37,507	996	9,478	40,948	151,253	51	452	48,586	198,751
17-Aug	4	4	5	89	2,809	14,115	535	4,058	13,511	49,481	53	464	16,913	68,207
18-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19-Aug	10	10	4	91	6,261	34,885	1,348	10,802	23,112	84,894	147	1,319	30,872	131,991
Total	62	254	871	10,017	127,222	678,860	13,399	110,542	636,874	2,327,373	7,756	62,587	786,122	3,189,379
Avg. Wt.				11.50		5.34		8.25		3.65		8.07		

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Appendix E.4. (page 6 of 7)

Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		Total	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
INNER KARLUK SECTION														
16-Jun	4	4	37	411	3,509	17,541	0	0	7	17	79	613	3,632	18,582
17-Jun	14	14	154	1,326	6,977	33,418	0	0	19	80	892	6,344	8,042	41,168
18-Jun	13	13	101	1,500	10,006	40,194	0	0	56	168	574	4,865	10,737	46,727
19-Jun	5	5	24	284	3,074	14,933	0	0	43	132	78	595	3,219	15,944
20-Jun	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21-Jun	4	4	5	79	684	3,786	0	0	40	139	86	641	815	4,645
22-Jun	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23-Jun	*	*	*	*	*	*	*	*	*	*	*	*	*	*
25-Jun	6	6	19	359	2,640	14,271	0	0	64	185	230	1,737	2,953	16,552
26-Jun	*	*	*	*	*	*	*	*	*	*	*	*	*	*
27-Jun	8	8	22	284	1,973	8,656	0	0	441	1,449	145	1,109	2,581	11,498
28-Jun	5	5	4	42	923	3,980	0	0	91	311	65	507	1,083	4,840
29-Jun	9	9	31	306	2,776	15,005	0	0	860	2,751	443	3,526	4,110	21,588
30-Jun	*	*	*	*	*	*	*	*	*	*	*	*	*	*
1-Jul	*	*	*	*	*	*	*	*	*	*	*	*	*	*
2-Jul	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3-Jul	7	7	7	79	4,205	24,760	0	0	4,156	13,004	660	4,913	9,028	42,756
9-Jul	4	5	6	77	2,621	13,911	0	0	5,088	15,492	153	1,463	7,868	30,943
10-Jul	4	4	6	56	1,697	9,826	0	0	6,703	21,356	40	325	8,446	31,563
11-Jul	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12-Jul	6	6	4	50	2,609	11,628	11	91	8,687	35,423	166	1,135	11,477	48,327
13-Jul	4	4	13	197	4,580	22,990	78	740	19,481	72,620	251	1,936	24,403	98,483
14-Jul	*	*	*	*	*	*	*	*	*	*	*	*	*	*
16-Jul	4	4	14	259	2,407	13,890	33	251	32,152	120,501	55	483	34,661	135,384
17-Jul	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	42	117	568	6,554	61,280	303,634	233	1,918	117,587	429,750	5,448	41,920	185,116	783,776
Avg. Wt.				11.54		4.95		8.23		3.65		7.69		
STURGEON SECTION														
1-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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Appendix E.4. (page 7 of 7)

Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		Total	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
2-Aug	4	4	7	125	3,310	16,234	326	2,289	25,067	100,408	36	295	28,746	119,351
3-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4-Aug	8	11	7	88	6,058	33,682	466	3,794	86,603	294,451	34	301	93,168	332,316
6-Aug	6	7	4	100	2,106	12,896	266	2,586	33,728	129,462	10,093	38,477	46,197	183,521
7-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	11	38	22	405	17,725	98,570	1,508	12,567	246,060	883,029	10,232	39,673	275,547	1,034,244
Avg. Wt.				18.41		5.56		8.33		3.59		3.88		
OUTER AYAKULIK SECTION														
19-Jun	5	5	15	142	1,209	6,389	0	0	29	88	166	1,245	1,419	7,864
20-Jun	4	4	24	286	1,663	8,849	0	0	289	943	386	2,882	2,362	12,960
Total	6	9	39	428	2,872	15,238	0	0	318	1,031	552	4,127	3,781	20,824
Avg. Wt.				10.97		5.31		0.00		3.24		7.48		
INNER AYAKULIK SECTION														
19-Jun	4	4	28	326	1,093	5,468	0	0	0	0	0	0	1,121	5,794
20-Jun	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3-Sep	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5-Sep	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	7	9	32	377	1,456	7,451	5,998	48,848	51	189	0	0	7,537	56,865
Avg. Wt.				11.78		5.12		8.14		3.71		0.00		

*= Confidential information

Appendix E.5. Set gillnet daily salmon harvest, by species, for the Westside Management Plan units, 2002.

Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		Total	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
9-Jun	13	13	6	105	3,049	16,169	0	0	9	30	166	1,574	3,230	17,878
10-Jun	14	18	64	705	17,038	89,690	0	0	20	72	982	7,146	18,104	97,613
11-Jun	9	9	17	106	2,408	12,568	0	0	11	39	259	1,908	2,695	14,621
12-Jun	19	19	38	471	14,560	74,416	0	0	18	62	1,042	7,770	15,658	82,719
13-Jun	12	12	128	1,178	7,938	43,477	0	0	22	77	605	4,349	8,693	49,081
14-Jun	11	11	43	384	4,700	24,765	0	0	23	78	220	1,703	4,986	26,930
15-Jun	13	13	28	271	6,431	34,141	0	0	33	113	345	2,556	6,837	37,081
16-Jun	40	43	141	1,001	12,459	68,953	0	0	180	595	975	7,293	13,755	77,842
17-Jun	44	48	255	1,534	11,277	62,723	0	0	310	1,055	1,168	8,652	13,010	73,964
18-Jun	40	45	126	898	9,459	50,006	0	0	354	1,351	1,329	10,000	11,268	62,255
19-Jun	41	43	112	810	11,567	64,059	1	5	758	2,320	1,871	13,997	14,309	81,191
20-Jun	38	39	64	569	7,909	44,774	0	0	857	3,135	1,115	8,326	9,945	56,804
21-Jun	49	52	76	721	7,884	44,844	0	0	654	2,372	1,333	10,115	9,947	58,052
22-Jun	44	45	116	1,021	5,928	33,878	0	0	594	2,262	915	7,284	7,553	44,445
23-Jun	37	39	71	820	5,428	30,915	1	8	852	3,024	1,004	7,687	7,356	42,454
24-Jun	42	44	93	650	6,225	36,521	0	0	1,389	4,679	1,231	9,978	8,938	51,828
25-Jun	16	16	19	147	2,751	15,624	0	0	518	1,920	701	5,303	3,989	22,994
26-Jun	13	13	24	245	3,030	16,919	0	0	539	2,274	685	5,203	4,278	24,641
27-Jun	43	51	29	309	8,616	51,060	0	0	3,007	10,923	1,484	11,803	13,136	74,095
28-Jun	44	50	36	329	8,426	50,633	1	9	3,046	10,950	1,320	10,351	12,829	72,272
29-Jun	50	54	73	786	10,858	65,880	4	27	3,636	13,755	1,483	11,903	16,054	92,351
30-Jun	53	64	49	448	15,732	95,365	1	6	5,514	20,587	1,717	13,988	23,013	130,394
1-Jul	44	44	48	444	12,591	75,363	13	96	5,480	20,666	2,112	16,082	20,244	112,651
2-Jul	52	57	39	381	13,975	84,340	11	78	8,047	30,481	3,203	21,138	25,275	136,418
3-Jul	44	45	25	265	8,789	53,461	9	74	6,418	24,717	2,315	17,946	17,556	96,463
4-Jul	50	53	28	279	11,023	66,671	42	311	10,202	38,656	2,490	19,081	23,785	124,998
5-Jul	47	51	17	170	9,784	58,953	43	326	8,750	33,944	1,755	13,544	20,349	106,937
6-Jul	50	50	162	964	9,670	57,694	54	359	11,547	46,386	1,313	10,509	22,746	115,912
7-Jul	50	52	14	175	9,047	53,663	104	761	9,861	39,397	1,213	9,268	20,239	103,264
8-Jul	47	50	49	521	9,047	54,186	167	1,334	10,446	41,969	1,268	10,400	20,977	108,410

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Appendix E.5. (page 2 of 3)

Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		Total	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
9-Jul	44	58	36	451	10,392	62,076	411	2,716	13,381	54,770	1,123	9,066	25,343	129,079
14-Jul	38	48	10	137	8,713	52,270	271	2,071	22,539	92,538	959	7,707	32,492	154,723
15-Jul	50	58	35	435	12,077	73,788	686	5,448	44,669	182,328	1,815	15,150	59,282	277,149
16-Jul	54	66	23	256	11,350	67,843	907	7,254	48,006	196,706	1,719	14,536	62,005	286,595
17-Jul	57	78	41	366	11,006	66,536	1,831	13,705	56,075	226,914	1,959	15,982	70,912	323,503
22-Jul	41	49	9	104	6,728	40,521	1,203	9,774	33,477	136,499	987	8,385	42,404	195,283
23-Jul	50	70	24	371	9,057	54,468	1,818	14,319	52,940	226,335	1,732	14,519	65,571	310,012
24-Jul	55	72	14	150	11,952	73,371	1,106	9,252	62,507	254,846	1,646	14,091	77,225	351,710
25-Jul	56	81	14	171	17,401	103,936	1,448	12,049	98,257	400,925	2,762	23,004	119,882	540,085
29-Jul	50	64	1	12	11,525	70,984	328	2,585	84,882	344,881	1,087	8,907	97,823	427,369
30-Jul	53	79	7	109	14,626	90,069	1,022	8,330	121,317	489,367	1,588	13,289	138,560	601,164
31-Jul	35	42	2	14	6,097	38,133	458	3,857	58,216	232,895	644	5,573	65,417	280,472
1-Aug	53	75	6	74	8,003	47,614	1,053	8,671	70,344	280,572	1,146	9,492	80,552	346,423
2-Aug	48	72	8	115	8,587	52,369	1,744	14,387	87,466	351,599	1,570	12,934	99,375	431,404
3-Aug	19	23	2	32	6,740	39,566	427	3,219	45,711	174,925	487	3,375	53,367	221,117
4-Aug	52	76	7	68	8,276	45,372	1,331	10,445	61,206	240,938	1,103	8,771	71,923	305,594
5-Aug	51	71	14	168	7,370	44,491	1,396	11,269	79,355	317,375	1,346	10,053	89,481	383,356
6-Aug	52	75	10	126	17,308	74,601	1,002	8,365	106,510	431,451	1,311	10,918	126,141	525,461
7-Aug	27	34	2	23	7,591	46,016	620	4,682	39,413	160,158	793	6,274	48,419	217,153
8-Aug	24	30	4	54	7,898	47,604	700	5,651	36,966	149,952	376	2,935	45,944	206,196
9-Aug	53	87	4	71	10,529	64,258	1,141	9,294	69,355	285,282	765	6,262	81,794	365,167
10-Aug	43	67	1	15	8,075	48,741	1,208	9,921	61,686	249,735	741	6,042	71,711	314,454
11-Aug	46	62	3	64	7,268	43,419	1,075	8,885	64,761	247,550	706	5,930	73,813	305,848
12-Aug	47	64	4	35	6,243	36,642	2,339	14,390	59,716	234,423	729	5,806	69,031	291,296
13-Aug	49	72	0	0	8,759	52,842	1,601	13,277	73,417	285,302	723	5,913	84,500	357,334
14-Aug	46	74	3	53	9,130	55,583	1,435	11,956	65,547	253,518	655	5,391	76,770	326,501
15-Aug	51	68	2	21	7,795	46,389	1,926	15,763	55,170	213,686	819	6,597	65,712	282,456
16-Aug	52	68	0	0	7,843	46,901	1,902	15,807	47,066	182,248	567	4,567	57,378	249,523
17-Aug	43	66	3	33	7,868	47,551	2,347	18,817	38,399	150,294	548	4,452	49,165	221,147
18-Aug	45	62	3	36	8,203	49,118	2,501	19,194	34,851	135,699	453	3,625	46,011	207,672
19-Aug	40	51	4	45	5,248	30,973	1,076	9,054	21,574	82,774	354	2,754	28,256	125,600
20-Aug	35	39	1	6	2,402	14,074	707	6,132	13,133	50,292	196	1,472	16,439	71,976

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Appendix E.5. (page 3 of 3)

Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		Total	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
21-Aug	32	32	1	12	3,195	18,680	884	7,181	13,892	53,932	212	1,693	18,184	81,498
22-Aug	35	36	2	18	3,741	21,270	1,315	10,789	22,051	84,504	344	2,685	27,453	119,266
23-Aug	35	36	2	24	3,328	19,020	1,055	8,597	14,431	59,624	224	1,753	19,040	89,018
24-Aug	36	37	1	6	3,096	17,687	1,565	13,331	10,671	42,032	238	1,823	15,571	74,879
25-Aug	28	28	3	36	3,384	19,235	1,494	13,484	12,086	47,439	216	1,746	17,183	81,940
26-Aug	24	24	6	54	4,337	25,193	1,200	11,215	9,130	35,644	166	1,303	14,839	73,409
27-Aug	23	23	0	0	3,605	21,196	1,346	12,880	6,561	25,548	125	978	11,637	60,602
28-Aug	21	21	2	16	2,198	12,835	907	8,573	4,353	17,151	75	581	7,535	39,156
29-Aug	25	27	2	15	4,317	24,675	1,499	14,202	7,787	30,417	136	1,050	13,741	70,359
Total	93	3,408	2,306	20,503	590,860	3,439,621	50,736	414,185	2,021,969	8,070,957	72,764	574,241	2,738,635	12,519,507
Avg.Wt.				8.9		5.8		8.2		4.0		7.9		

INTRODUCTION

In 1988 there was a significant harvest of large (greater than 6 pound) sockeye salmon in management units bordering the northern portion of Shelikof Strait (Appendices A.2. and A.7.). 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). Although the Cook Inlet sockeye salmon run was at a record level, the Alaska Board of Fisheries felt that this was an expanding, nontraditional harvest pattern. In 1990 the North Shelikof Strait Sockeye Salmon Management Plan (NSSSSMP; 5AAC 18.363.) was adopted into regulation.

The NSSSSMP limits purse seine fishing opportunities in those sections of the KMA which border the north Shelikof Strait (those waters of Shelikof Strait from Dakavak Bay to Cape Douglas in the Mainland District and from Raspberry Cape to Shuyak Island in the Afognak District). The plan covers the time period from July 6 through July 25 and establishes two specific sockeye salmon harvest "triggers" for defined management actions 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.

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 cape³. The Seaward Zone of the Southwest Afognak Unit closes to fishing if 50,000 sockeye salmon are harvested between July 6 through July 25. The Seaward Zone of the North Shelikof Unit closes to fishing if 15,000 sockeye salmon are harvested between 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 eight years NSSSSMP has been in effect, seaward zone closures occurred two times (1992 and 1993) in the Southwest Afognak Unit and seaward zone closures occurred in 1990 and 1992 through 1999 (Appendix F.2.).

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³ 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.

The NSSSSMP places harvest limits on certain portions of the KMA bordering northern Shelikof Strait, from July 6 to 25, in an attempt to limit interception of Cook Inlet bound sockeye salmon. If it appears that sockeye salmon harvest caps will be met, then fisheries are restricted to inshore waters only, and offshore Seaward Zones are closed (Brennan et al. 2002).

In 2002 during the July 6 to 25 period of the NSSSSMP, three fishing periods were scheduled pre-season. The Southwest Afognak Section and the eastern portion of the North Shelikof management unit (the Northwest Afognak and Shuyak Islands Sections) were scheduled for an 81 hour weekly fishing period starting noon 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 starting noon July 6 (Brennan et al. 2002).

First Fishing Period (July 6 to 9)

Commercial fishing effort in the North Shelikof Management Units were relatively light with only 12 permits reporting salmon harvests for the entire first period. On ground estimations were essentially the only reports available for the first two days of the fishery. Fishermen held their catches due to small harvests of salmon.

Processor reports indicated good catches of sockeye salmon in the Northwest Afognak Section of the North Shelikof Management Unit on July 8. The combined catches of the reported Mainland and Northwest Afognak Sections surpassed the 15,000 cap. The decision was made by 2:00 pm to close the North Shelikof Seaward Zones at 5:00 pm July 8. It was later determined that the reports from the tenders and processors were incorrect; approximately half of the quota was actually caught. The seaward zones remained closed for the remainder of the first period but were allowed to reopen during the second period.

By the end of the period, July 9, there was a total catch of 20,973 salmon harvested in the North Shelikof Management Units. Approximately 32% (6,799) of the harvest were sockeye salmon with an average weight of nearly 5.4 pounds (Appendix F.3.).

Commercial seine catches for the Southwest Afognak unit for the first period included 174 chinook salmon, 18,453 sockeye, 236 coho 27,620 pink, and 2,713 chum salmon. Average weight of the sockeye salmon harvested in this section was approximately 5.5 pounds (Appendix F.4.).

Second Fishing Period (July 14 to 17)

Initial effort levels on the Mainland side of the North Shelikof unit (Dakavak Bay to Cape Douglas) were light, with less than 15 vessels present. Commercial fishermen predominately fished in Dakavak, Missak, and Kinak Bay of the Dakavak Bay Section. Initial catches were fair and most vessels chose to hold their catch for delivery until the next day. On July 15 harvest rates decreased however combined catches from the previous days harvest suggested the cap was likely to be

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surpassed. It was estimated by the biologist aboard the ADF&G vessel K-Hi-C, monitoring the fishery along the Mainland, that the North Shelikof unit harvest cap (15,000 sockeye salmon) would likely be surpassed during this second fishing period. The decision was made by 2:00 PM to close the North Shelikof Seaward Zones at 5:00 PM July 15. The estimated total sockeye salmon catch in the North Shelikof unit at the time of the closure was 16,600 sockeye salmon.

After the closure of the North Shelikof unit Seaward Zones approximately eight vessels remained in the North Mainland District, fishing within the Shoreward Zone (particularly in Dakavak Bay). The cumulative catch for the North Shelikof Unit, through the end of the second period, was 86 chinook 17,449 sockeye, 1,342 coho, 111,390 pink, and 5,987 chum salmon (Appendix F.3.).

Fishing effort in the Southwest Afognak unit was very light with pink salmon comprising the majority of the catch. Only 2,338 sockeye salmon were caught in this section during the second fishing period (average weight 5.76 pounds). The remaining harvest included 136 chinook, 1,058 coho, 22,734 pink, and 627 chum salmon (Appendix F.4).

Third Fishing Period (July 22 to 25)

At the opening of the third fishing period (July 22) approximately 14 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). Only 11,042 sockeye salmon were harvested in the Shoreward Zone of the North Shelikof unit during the third opening. Also harvested were 63 chinook 11,216 coho 115,981 pink, and 5,679 chum salmon (Appendix F.3.).

Approximately 13 vessels fished the Southwest Afognak unit. Fishing was slow, with relatively few sockeye salmon in the catches. As this period progressed, the catches of pink salmon increased, however, catches were not sufficient to justify an extension in the Shoreward Zones of the North Shelikof management unit. Commercial fishing closed as scheduled on July 25. The number of sockeye salmon harvested in the Southwest Afognak Section during this third period was not high enough to trigger a closure of the Seaward Zones. The salmon harvest in the Southwest Afognak unit for the third fishing period was 192 chinook, 2,900 sockeye, 2,448 coho, 72,538 pink, and 1,481 chum salmon (Appendix F.4.).

Summary

The 2002 North Shelikof Unit harvest for the July 6 through July 25 period totaled 295 chinook, 35,290 sockeye, 13,181 coho, 238,734 pink, and 13,708 chum salmon, with 35 vessels participating (Appendix F.3).

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The 2002 Southwest Afognak Unit harvest for the time period July 6 through July 25 totaled 502 chinook, 23,691 sockeye, 3,742 coho, 122,892 pink, and 4,821 chum salmon, with 32 vessels participating (Appendix F.4).

Literature 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. 2002. Kodiak management area harvest strategy for the 2002 commercial salmon fishery. Alaska Department of Fish and Game, Division of Commercial Fisheries, Regional Information Report 4K02-31, Kodiak.

Appendix F.2. Summary of fishing time, zone closures, effort, and harvest by species, for management units affected by the North Shelikof Strait Sockeye Salmon Management Plan for the Kodiak Management Area, 1990 – 2002.

Year	MAINLAND		N. AFOGNAK		Zone Closure		Sockeye Harvest at Time of Zone Closure	Number of Vessels	Total Harvest By Species - July 6 through July 25					Upper Cook Inlet Sockeye Harvest
	# of days open to Fishing	# of days Seaward Zone closed	# of days open to fishing	# of days Seaward Zone closed	Date	Time			Chinook	Sockeye	Coho	Pink	Chum	
North Shelikof Units (15,000 Sockeye Harvest Trigger)^a														
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	11AM	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	10PM	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	10PM	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	10PM	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

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Appendix F.2. (page 2 of 2)

Year	MAINLAND		N. AFOGNAK		Zone Closure		Sockeye Harvest at Time of Zone Closure	Number of Vessels	Total Harvest By Species - July 6 through July 25					Upper Cook Inlet Sockeye Harvest
	# of days open to Fishing	# of days Seaward Zone closed	# of days open to fishing	# of days Seaward Zone closed	Date	Time			Chinook	Sockeye	Coho	Pink	Chum	
Southwest Afognak Section (50,000 Sockeye Harvest Trigger) ^b														
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	1pm		48,200	84	300	50,600	600	30,000	6,800	8.9 MILLION	
1993	13.6	7.7	7/14	1pm		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	

^a In 1988, from 7/6-7/25, with 6.9 days open to fishing in the North Shelikof Unit 392,000 sockeye were harvested. In Upper Cook Inlet 6,800,000 sockeye were harvested.

^b In 1988, from 7/6-7/25, with 11.1 days open to fishing in Southwest Afognak 86,000 sockeye were harvested. In Upper Cook Inlet 6,800,000 sockeye were harvested.

Appendix F.3. Daily salmon harvest by section and species for the North Shelikof management units of the North Shelikof Strait Sockeye Salmon Management Plan, 2002.

Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		Total Salmon	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds		
NORTH SHELIKOF MANAGEMENT UNITS														
FIRST PERIOD (JULY 6-JULY 9)														
6-Jul	8	8	131	1,281	4,210	22,732	614	1,933	7,693	25,228	1,440	10,992	14,088	62,166
7-Jul	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8-Jul	4	4	13	145	1,736	10,015	3	26	2,780	9,835	454	3,442	4,986	23,463
Total	12	13	146	1,442	6,799	36,587	623	2,010	11,363	38,627	2,042	15,474	20,973	94,140
Avg. Wt.				9.88		5.38		3.23		3.40		7.58		
SECOND PERIOD (JULY 14-17)														
14-Jul	15	15	30	396	9,451	59,278	545	4,975	56,417	194,723	3,409	26,762	69,852	286,134
15-Jul	5	5	27	344	3,642	21,763	338	2,907	21,545	74,909	1,273	10,332	26,825	110,255
16-Jul	14	14	29	492	4,356	30,100	459	4,530	33,428	111,665	1,305	10,511	39,577	157,298
Total	22	34	86	1,232	17,449	111,141	1,342	12,412	111,390	381,297	5,987	47,605	136,254	553,687
Avg. Wt.				14.33		6.37		9.25		3.42		7.95		
THIRD PERIOD (JULY 22-25)														
22-Jul	14	14	6	111	3,028	18,899	1,027	8,725	17,901	71,479	728	6,225	22,690	105,439
23-Jul	18	23	39	773	6,672	42,024	7,165	51,563	75,357	278,978	3,844	33,926	93,077	407,264
24-Jul	8	8	18	293	1,342	8,493	3,024	22,244	22,723	86,917	1,107	8,917	28,214	126,864
Total	21	45	63	1,177	11,042	69,416	11,216	82,532	115,981	437,374	5,679	49,068	143,981	639,567
Avg. Wt.				18.68		6.29		7.36		3.77		8.64		
NORTH SHELIKOF MANAGEMENT HARVEST JULY 6-25														
Total	35	92	295	3,851	35,290	217,144	13,181	96,954	238,734	857,298	13,708	112,147	301,208	1,287,394
Avg. Wt.				13.05		6.15		7.36		3.59		8.18		

* = Confidential information

Appendix F.4. Daily salmon harvest by section and species for the Southwest Afognak management units of the North Shelikof Strait
Sockeye Salmon Management Plan, 2002.

Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		Total Salmon	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
FIRST PERIOD (JULY 6-JULY 9)														
6-Jul	12	12	60	800	8,536	49,241	47	418	12,428	42,774	1,569	12,460	22,640	105,693
7-Jul	6	6	54	480	3,441	20,347	4	38	6,410	19,439	513	4,113	10,422	44,417
8-Jul	7	7	19	178	4,074	18,643	97	754	5,449	20,441	311	2,173	9,950	42,189
9-Jul	6	6	41	187	2,402	13,742	88	602	3,333	13,291	320	2,474	6,184	30,296
Total	21	31	174	1,645	18,453	101,973	236	1,812	27,620	95,945	2,713	21,220	49,196	222,595
Avg. Wt.				9.45		5.53		7.68		3.47		7.82		
SECOND PERIOD (JULY 14-17)														
16-Jul	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17-Jul	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	5	5	136	1,412	2,338	13,470	1,058	8,788	22,734	79,880	627	5,291	26,893	108,841
Avg. Wt.				10.38		5.76		8.31		3.51		8.44		
THIRD PERIOD (JULY 22-25)														
22-Jul	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23-Jul	*	*	*	*	*	*	*	*	*	*	*	*	*	*
24-Jul	9	9	137	1,257	1,077	5,851	991	7,374	29,373	107,182	754	6,069	32,332	127,733
25-Jul	7	9	23	246	1,182	6,749	739	5,637	30,650	113,572	504	4,196	33,098	130,400
Total	13	20	192	1,761	2,900	15,819	2,448	18,754	72,538	262,705	1,481	12,107	79,559	311,146
Avg. Wt.				9.17		5.45		7.66		3.62		8.17		
SOUTHWEST AFOGNAK HARVEST JULY 6-25														
6-Jul	12	12	60	800	8,536	49,241	47	418	12,428	42,774	1,569	12,460	22,640	105,693
7-Jul	6	6	54	480	3,441	20,347	4	38	6,410	19,439	513	4,113	10,422	44,417
8-Jul	7	7	19	178	4,074	18,643	97	754	5,449	20,441	311	2,173	9,950	42,189
9-Jul	6	6	41	187	2,402	13,742	88	602	3,333	13,291	320	2,474	6,184	30,296

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Appendix F.4. (page 2 of 2)

Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		Total Salmon	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
16-Jul	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17-Jul	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22-Jul	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23-Jul	*	*	*	*	*	*	*	*	*	*	*	*	*	*
24-Jul	9	9	137	1,257	1,077	5,851	991	7,374	29,373	107,182	754	6,069	32,332	127,733
25-Jul	7	9	23	246	1,182	6,749	739	5,637	30,650	113,572	504	4,196	33,098	130,400
Total	32	56	502	4,818	23,691	131,262	3,742	29,354	122,892	438,530	4,821	38,618	155,648	642,582
Avg. Wt.				9.60		5.54		7.84		3.57		8.01		

* = Confidential information

INTRODUCTION

In 1990 the Alaska Board of Fisheries (BOF) approved the Eastside Afognak Management Plan (5AAC 18.365) to govern the fisheries in the vicinity of the Kitoi Bay hatchery. The Kitoi Bay Hatchery is located on the eastside of Afognak Island (Appendix A.7.) and produces significant returns of pink and coho salmon. This plan details the key species and targeted stocks which are managed in each of these sections throughout the fishing season. Although occasionally modified, the plan has essentially been in effect since 1981, and was formulated jointly by Kodiak Management Area commercial fishery managers and the Kitoi Bay Hatchery manager. It is the goal of this plan to achieve escapement and harvest objectives for salmon stocks of the Southeast Afognak, Duck Bay, Izhut Bay, and Kitoi Bay Sections, and assure broodstock for the hatchery (5 AAC 18.365).

2002 EASTSIDE AFOGNAK FISHERY

The Southeast Afognak Section management is based on local salmon runs. Fisheries may be allowed from June 9 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 2002). However, extremely low returns of sockeye salmon to Afognak Lake resulted in no directed sockeye salmon commercial fisheries. Also there was a joint emergency order with the Kodiak ADF&G and USFWS which closed subsistence fishing. ADF&G also closed sport fishing for sockeye salmon in Afognak Bay.

The Southeast Afognak Section remained closed until July 14 when the pink salmon management plan began. The pink salmon return to Kitoi was strong and in order to allow more harvest opportunity on the returning pink salmon, the SE Afognak Section was opened. However, a substantial portion of the SE Afognak Section (most of Afognak Bay) remained closed to protect late returning sockeye salmon. On August 1, 2002 subsistence fishing was reopened in order to allow subsistence harvest for coho and pink salmon within the Southeast Afognak Section.

The 2002 harvest strategy also stated that an opening in the Duck Bay, Izhut Bay, and the normally closed Inner and Outer Kitoi Bay Sections would be allowed June 9 to harvest early returns of sockeye and chum salmon. The Inner and Outer Kitoi Bay Section opened on June 9, however catches did not occur until June 16 due to industry price disputes (Appendix G.2).

Chum salmon needed as broodstock were slow to build-up near the hatchery, but by July 1 fishing was allowed in the Duck and Izhut Bay Sections. The Kitoi Bay Hatchery chum salmon run was stronger than expected and fisheries were allowed targeting chum salmon through June 21.

The hatchery pink salmon return was stronger than projected, and fisheries targeting hatchery returns remained opened through the end of the commercial fishing season. The eastern portion of

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the Southeast Afognak Section (Danger Bay and Cape Kostromitinof) also opened on August 7, to provide more opportunity to harvest the strong hatchery return. The last landing occurred September 22. The Southeast Afognak Section harvest included 1 chinook, 944 sockeye, 3,518 coho, 95,598 pink, and 839 chum salmon (Appendix G.2.). In fisheries targeting the Kitoi Bay Hatchery returns, which includes the eastern portion of the Southeast Afognak Section and the Duck Bay, Izhut Bay, Inner Kitoi and Outer Kitoi Bay Sections, 107 permit holders harvested 435 chinook, 29,984 sockeye, 88,724 chum, 6,696,774 pink, and 209,259 coho salmon (Appendix G.2.).

Literature Cited

Brennan, K., D. Gretsch, and J. Wadle. 2002. Kodiak management area harvest strategy for the 2002 commercial salmon fishery. Alaska Department of Fish and Game, Division of Commercial Fisheries, Regional Information Report 4K02-31, Kodiak.

Appendix G.2. Daily salmon harvest, by species, for the management units of the East Afognak Management Plan, 2002.

Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		Total		
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	
SOUTHEAST AFOGNAK SECTION															
14-Jul	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
7-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
14-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
16-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
28-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	11	17	1	6	944	5,386	3,518	28,985	95,598	348,551	839	6,353	100,900	389,281	
Avg.Wt.				6.00		5.71		8.24		3.65		7.57			
IZHUT BAY SECTION															
16-Jun	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17-Jun	4	4	123	961	428	2,052	0	0	15	43	2,278	13,632	2,844	16,688	
18-Jun	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
21-Jun	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
21-Jul	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
22-Jul	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
25-Jul	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
26-Jul	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
27-Jul	5	5	0	0	111	627	88	569	23,071	79,510	228	1,387	23,498	82,093	
28-Jul	6	6	1	34	87	548	278	1,816	30,662	108,113	178	1,220	31,206	111,731	
29-Jul	4	4	0	0	93	565	39	306	17,286	59,155	60	432	17,478	60,458	
30-Jul	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
31-Jul	5	7	0	0	75	452	36	186	45,230	163,117	164	1,198	45,505	164,953	

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Appendix G.2. (Page 2 of 6)

Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		Total	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
1-Aug	4	4	0	0	63	376	171	1,439	42,069	151,220	107	1,050	42,410	154,085
2-Aug	12	15	3	25	251	1,457	450	4,182	109,449	364,957	195	1,430	110,348	372,051
3-Aug	19	19	0	0	370	2,098	568	4,564	175,078	661,732	317	2,431	176,333	670,825
4-Aug	18	20	0	0	232	1,375	937	7,023	132,830	489,877	265	2,053	134,264	500,328
5-Aug	9	9	0	0	85	469	237	2,056	78,579	305,887	80	533	78,981	308,945
6-Aug	14	14	0	0	334	1,926	193	1,512	88,463	352,400	99	758	89,089	356,596
7-Aug	33	37	0	0	134	754	140	1,307	204,902	746,626	70	581	205,246	749,268
8-Aug	19	23	5	62	110	647	395	3,502	112,782	398,548	93	780	113,385	403,539
9-Aug	14	17	0	0	85	419	132	1,080	72,078	272,813	50	432	72,345	274,744
10-Aug	10	13	0	0	75	452	117	1,045	66,080	233,975	53	433	66,325	235,905
11-Aug	13	16	4	32	29	167	60	473	103,626	366,108	11	60	103,730	366,840
12-Aug	16	17	1	11	155	846	514	4,242	82,182	289,346	53	435	82,905	294,880
13-Aug	20	22	2	12	169	937	814	6,822	105,391	394,128	31	278	106,407	402,177
14-Aug	15	17	1	44	35	198	732	6,102	73,161	279,542	7	51	73,936	285,937
15-Aug	11	11	0	0	27	145	326	2,760	50,898	186,285	187	1,496	51,438	190,686
16-Aug	8	8	0	0	31	181	1,649	12,765	40,654	144,389	12	97	42,346	157,432
17-Aug	12	13	0	0	67	405	4,656	35,290	40,064	162,922	27	218	44,814	198,835
18-Aug	7	7	0	0	26	141	7,582	37,009	22,239	82,117	18	142	29,865	119,409
19-Aug	10	10	0	0	34	206	2,187	17,947	21,618	79,824	13	106	23,852	98,083
20-Aug	8	8	0	0	48	290	1,560	12,390	32,492	130,129	15	111	34,115	142,920
21-Aug	7	7	0	0	59	357	1,863	13,215	13,263	53,014	13	106	15,198	66,692
22-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23-Aug	4	4	0	0	11	59	801	8,563	4,921	18,213	0	0	5,733	26,835
24-Aug	6	7	0	0	16	97	2,192	15,885	11,986	47,855	4	25	14,198	63,862
25-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
26-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
27-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
28-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
29-Aug	6	6	0	0	52	297	6,634	63,764	15,550	57,541	12	107	22,248	121,709
30-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
31-Aug	5	6	0	0	6	32	2,626	26,416	4,194	14,926	1	10	6,827	41,384
1-Sep	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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Appendix G.2. (Page 3 of 6)

Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		Total	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
2-Sep	4	4	0	0	8	52	6,804	53,121	3,032	11,636	1	6	9,845	64,815
3-Sep	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4-Sep	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5-Sep	5	6	0	0	17	99	3,202	27,655	1,638	4,681	0	0	4,857	32,435
6-Sep	4	4	0	0	70	350	2,792	21,562	4,033	12,786	0	0	6,895	34,698
7-Sep	*	*	*	*	*	*	*	*	*	*	*	*	*	*
15-Sep	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17-Sep	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22-Sep	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	81	407	183	1,456	4,703	26,243	70,373	565,224	1,903,805	6,996,151	8,116	55,065	1,987,180	7,644,139
Avg.Wt.				7.95		5.58		8.03		3.67		6.78		

DUCK BAY SECTION

16-Jun	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17-Jun	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20-Jun	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23-Jun	*	*	*	*	*	*	*	*	*	*	*	*	*	*
27-Jun	*	*	*	*	*	*	*	*	*	*	*	*	*	*
28-Jun	4	4	19	188	1,618	9,524	19	143	2,848	10,425	2,676	20,845	7,180	41,125
14-Jul	*	*	*	*	*	*	*	*	*	*	*	*	*	*
15-Jul	*	*	*	*	*	*	*	*	*	*	*	*	*	*
16-Jul	4	4	9	123	1,456	8,643	1,522	10,502	8,730	32,047	2,655	21,197	14,372	72,512
17-Jul	7	7	10	105	1,088	6,390	2,248	18,002	12,848	44,696	1,630	12,785	17,824	81,978
18-Jul	8	8	19	189	880	5,366	1,985	14,322	20,636	65,016	1,099	8,829	24,619	93,722
19-Jul	11	11	11	187	1,117	5,834	1,302	10,813	19,757	68,414	1,299	10,085	23,486	95,333
20-Jul	6	6	17	244	924	5,346	841	7,033	18,100	58,005	1,277	9,540	21,159	80,168
21-Jul	7	7	9	131	649	3,918	1,386	11,545	15,556	51,575	997	8,478	18,597	75,647
22-Jul	4	4	0	0	626	3,757	442	3,817	18,468	68,304	726	6,125	20,262	82,003
23-Jul	*	*	*	*	*	*	*	*	*	*	*	*	*	*
24-Jul	*	*	*	*	*	*	*	*	*	*	*	*	*	*
25-Jul	7	7	3	44	471	2,621	1,008	8,046	27,290	98,190	845	6,582	29,617	115,483
26-Jul	12	12	9	154	726	4,083	2,482	17,528	59,211	216,766	1,183	9,662	63,611	248,193

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Appendix G.2. (Page 4 of 6)

Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		Total	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
27-Jul	15	15	2	21	577	3,413	1,770	12,545	51,906	183,651	1,134	9,061	55,389	208,691
28-Jul	8	9	10	111	165	911	563	3,955	31,046	110,851	277	2,041	32,061	117,869
29-Jul	11	12	5	89	412	2,171	1,316	9,273	77,784	277,065	673	4,953	80,190	293,551
30-Jul	11	12	5	70	390	2,167	1,046	6,762	84,726	301,946	518	3,761	86,685	314,706
31-Jul	5	6	2	6	62	339	317	1,881	38,051	134,163	138	1,063	38,570	137,452
1-Aug	6	8	1	31	106	564	409	3,249	65,512	218,294	183	1,395	66,211	223,533
2-Aug	13	14	2	47	229	1,228	1,077	9,211	110,774	391,700	470	3,942	112,552	406,128
3-Aug	11	11	5	112	199	1,012	1,229	9,714	76,978	292,226	9,761	35,621	88,172	338,685
4-Aug	16	20	3	46	122	655	1,051	7,754	129,652	477,483	258	1,977	131,086	487,915
5-Aug	5	5	0	0	81	422	761	5,072	42,781	157,861	92	687	43,715	164,042
6-Aug	11	17	1	6	163	937	1,247	8,580	102,992	395,866	173	1,381	104,576	406,770
7-Aug	19	20	1	17	295	1,622	1,057	7,688	148,723	566,172	230	1,788	150,306	577,287
8-Aug	24	27	2	31	451	2,488	1,274	9,951	222,747	824,610	331	2,661	224,805	839,741
9-Aug	31	37	1	25	504	2,877	1,348	10,698	288,623	1,064,578	339	2,712	290,815	1,080,890
10-Aug	18	19	0	0	329	1,877	525	4,491	158,026	590,931	297	2,428	159,177	599,727
11-Aug	26	33	0	0	596	3,324	1,139	8,636	285,649	1,064,887	243	1,998	287,627	1,078,845
12-Aug	21	26	0	0	411	2,295	993	8,311	205,102	735,357	144	1,197	206,650	747,160
13-Aug	19	22	1	13	316	1,835	1,844	14,484	144,999	559,618	133	1,092	147,293	577,042
14-Aug	26	27	1	5	509	2,769	2,614	21,289	192,346	737,804	294	2,361	195,764	764,228
15-Aug	27	29	5	60	535	3,107	3,084	22,649	150,374	575,380	280	2,279	154,278	603,475
16-Aug	21	22	0	0	530	2,918	5,708	43,977	112,397	426,886	302	2,400	118,937	476,181
17-Aug	17	20	4	51	284	1,590	2,833	25,608	96,958	342,976	4,302	14,076	104,381	384,301
18-Aug	10	10	0	0	249	1,450	9,751	45,224	47,267	174,980	80	642	57,347	222,296
19-Aug	19	19	0	0	151	888	3,432	28,057	81,287	299,956	83	661	84,953	329,562
20-Aug	14	14	1	15	149	935	5,168	37,165	64,490	240,083	34	271	69,842	278,469
21-Aug	11	11	2	28	141	865	3,202	24,004	62,481	232,678	398	3,203	66,224	260,778
22-Aug	12	12	0	0	253	1,488	6,387	50,008	67,256	259,095	46	390	73,942	310,981
23-Aug	7	7	0	0	47	293	2,958	25,545	32,326	118,345	7	57	35,338	144,240
24-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
25-Aug	7	7	4	22	78	445	4,279	37,972	26,970	94,818	49	670	31,380	133,927
26-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
27-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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Appendix G.2. (Page 5 of 6)

Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		Total	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
28-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
29-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
30-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
31-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
1-Sep	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4-Sep	*	*	*	*	*	*	*	*	*	*	*	*	*	*
6-Sep	*	*	*	*	*	*	*	*	*	*	*	*	*	*
7-Sep	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8-Sep	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	87	603	231	2,665	23,175	130,886	108,461	809,324	3,482,035	12,856,414	44,168	284,247	3,658,070	14,083,536
Avg.Wt.				11.53		5.64		7.46		3.69		6.43		

INNER AND OUTER KITOI BAY SECTIONS

16-Jun	4	4	4	48	21	110	0	0	0	0	3,020	21,427	3,045	21,585
18-Jun	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19-Jun	*	*	*	*	*	*	*	*	*	*	*	*	*	*
16-Jul	4	4	0	0	244	1,255	176	1,120	974	3,461	15,031	97,791	16,425	103,627
17-Jul	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18-Jul	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19-Jul	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20-Jul	*	*	*	*	*	*	*	*	*	*	*	*	*	*
31-Jul	*	*	*	*	*	*	*	*	*	*	*	*	*	*
2-Aug	4	7	2	50	4	27	16	159	50,455	172,075	47	373	50,524	172,684
3-Aug	4	5	0	0	18	83	22	114	57,224	190,611	41	298	57,305	191,106
4-Aug	10	13	0	0	5	29	4	23	119,317	405,470	42	204	119,368	405,726
5-Aug	7	14	0	0	5	31	1	6	132,361	460,725	26	193	132,393	460,955
6-Aug	38	51	4	22	61	363	145	1,242	375,648	1,343,509	174	1,403	376,032	1,346,539
7-Aug	7	7	0	0	65	335	155	1,522	52,923	195,628	110	766	53,253	198,251
8-Aug	17	17	0	0	49	303	7,367	30,787	81,392	299,314	212	1,638	89,020	332,042
9-Aug	12	15	0	0	44	255	58	472	58,545	217,070	19	144	58,666	217,941
10-Aug	14	19	0	0	1	10	7	60	66,880	251,181	3	24	66,891	251,275
11-Aug	10	14	0	0	6	30	12	98	88,902	318,662	0	0	88,920	318,790

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Appendix G.2. (Page 6 of 6)

Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		Total	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
12-Aug	11	11	0	0	30	204	200	1,715	46,934	183,937	11	95	47,175	185,951
13-Aug	5	5	0	0	1	6	27	179	26,652	101,432	0	0	26,680	101,617
14-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
15-Aug	6	6	0	0	5	34	136	980	21,740	79,423	1	12	21,882	80,449
24-Aug	8	8	0	0	8	52	1,508	10,997	13,194	52,186	3	25	14,713	63,260
25-Aug	4	4	0	0	8	48	1,124	8,916	12,433	47,963	2	18	13,567	56,945
26-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
27-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
28-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
29-Aug	4	4	0	0	0	0	1,287	10,347	2,495	9,515	226	1,442	4,008	21,304
30-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
1-Sep	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4-Sep	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5-Sep	*	*	*	*	*	*	*	*	*	*	*	*	*	*
6-Sep	*	*	*	*	*	*	*	*	*	*	*	*	*	*
7-Sep	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8-Sep	*	*	*	*	*	*	*	*	*	*	*	*	*	*
16-Sep	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17-Sep	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18-Sep	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	73	243	21	232	1,106	6,315	30,425	219,558	1,310,934	4,714,478	36,440	248,562	1,378,926	5,189,145
Avg.Wt.				11.05		5.71		7.22		3.60		6.82		
Total	107	1,253	435	4,353	28,984	163,444	209,259	1,594,106	6,696,774	24,567,043	88,724	587,874	7,024,176	26,916,820
Avg.Wt.				10.00		5.63		7.61		3.66		6.62		

* = Confidential information

INTRODUCTION

Adult sockeye salmon, resulting from juvenile stocking of Spiridon Lake, return each year to Telrod Cove in Spiridon Bay (Appendix A.5), and are harvested in westside Kodiak commercial fisheries. A return of approximately 222,000 Spiridon Lake sockeye salmon was expected in 2002. Sockeye salmon stocked into Spiridon Lake were from the late-run Upper Station (Olga Lakes) and Saltery 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. If there was a harvestable surplus within the Spiridon Lake Terminal Harvest Area (THA) in Telrod Cove, fishing periods were to be 24 hours per day, coordinated when possible with openings in the Northwest Kodiak District.

2002 SPIRIDON LAKE SOCKEYE SALMON FISHERY

On June 22 the Spiridon Lake THA in Telrod Cove was opened until further notice to allow harvest of the enhanced sockeye salmon. From ADF&G fish ticket reports, 39 seiners harvested 420 chinook, 199,532 sockeye, 329 coho, 220,853 pink, and 6,187 chum salmon from the Spiridon Terminal Harvest Area (Appendix H.2). Many seine and gillnet fishers operated along the westside of Kodiak in traditional fishing areas during fisheries directed at westside pink, chum, and late-run Karluk sockeye salmon, and caught some Spiridon bound sockeye salmon. The total contribution of Spiridon enhancement project sockeye salmon to the common property harvest can be estimated based on past analyses of commercial catch samples from westside Kodiak fisheries. The total 2002 harvest of Spiridon enhanced sockeye salmon is an estimated 491,636, with approximately 41% (199,532) harvested within the terminal harvest area and 59% (292,104) harvested in the Southwest Afognak Section and Northwest Kodiak District (Appendix H.3).

Appendix H.2. Daily salmon harvest, by species and gear type, for the Spiridon Lake Terminal Harvest Area, 2002.

Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		Total	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
22-Jun	9	9	4	61	2,448	13,682	2	14	41	131	20	161	2,515	14,049
23-Jun	7	7	3	23	1,971	11,299	0	0	49	153	10	78	2,033	11,553
24-Jun	10	10	2	21	1,628	8,893	0	0	98	318	37	285	1,765	9,517
27-Jun	10	10	9	101	4,160	22,036	0	0	174	541	27	219	4,370	22,897
28-Jun	10	10	19	194	2,057	11,923	0	0	459	1,460	270	2,258	2,805	15,835
29-Jun	9	10	33	399	3,280	18,355	0	0	417	1,301	119	978	3,849	21,033
30-Jun	12	12	63	625	4,349	26,201	0	0	409	1,441	105	916	4,926	29,183
1-Jul	11	11	12	187	5,119	30,694	0	0	1,477	5,429	113	853	6,721	37,163
2-Jul	11	20	12	193	9,502	53,744	4	26	1,432	5,074	113	1,032	11,063	60,069
3-Jul	9	11	3	25	4,640	27,978	0	0	246	954	21	241	4,910	29,198
4-Jul	17	18	15	313	7,888	44,064	0	0	1,323	4,447	163	1,249	9,389	50,073
5-Jul	13	16	0	0	2,933	17,315	0	0	483	1,697	22	213	3,438	19,225
6-Jul	7	7	1	19	2,399	13,959	0	0	633	2,152	41	343	3,074	16,473
7-Jul	10	10	200	1,454	3,247	18,082	0	0	3,090	9,169	154	1,149	6,691	29,854
8-Jul	11	13	2	43	1,908	11,860	0	0	2,086	6,971	65	651	4,061	19,525
9-Jul	13	13	4	36	4,588	24,193	1	7	3,223	10,132	201	1,540	8,017	35,908
10-Jul	14	16	2	38	6,210	34,727	0	0	2,842	9,409	108	983	9,162	45,157
11-Jul	12	15	1	8	7,374	40,047	0	0	3,390	11,841	171	1,300	10,936	53,196
12-Jul	17	21	0	0	8,531	44,907	0	0	5,708	18,955	144	1,345	14,383	65,207
13-Jul	7	8	0	0	2,788	15,936	0	0	2,380	8,923	71	762	5,239	25,621
14-Jul	17	17	1	17	19,311	108,393	0	0	10,048	40,319	195	1,812	29,555	150,541
15-Jul	10	13	2	60	7,514	41,567	0	0	6,147	21,667	203	1,789	13,866	65,083
16-Jul	12	13	0	0	4,872	28,031	8	100	7,675	30,685	214	2,104	12,769	60,920
17-Jul	13	14	0	0	5,241	29,286	0	0	3,547	12,631	138	1,262	8,926	43,179
18-Jul	16	17	2	48	7,933	48,897	1	10	6,761	25,621	252	2,324	14,949	76,900
19-Jul	16	18	5	134	6,945	39,429	1	7	9,232	34,546	232	2,098	16,415	76,214
20-Jul	15	16	3	48	3,676	21,891	0	0	5,934	22,979	216	1,955	9,829	46,873
21-Jul	14	17	1	12	4,581	24,926	0	0	5,750	18,564	186	1,635	10,518	45,137
22-Jul	18	28	1	31	9,352	51,004	1	9	24,851	85,641	1,015	8,960	35,220	145,645

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Appendix H.2. (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
23-Jul	11	11	2	18	3,687	19,867	0	0	7,872	25,834	311	2,652	11,872	48,371
24-Jul	11	13	0	0	2,938	15,414	0	0	4,755	15,574	96	838	7,789	31,826
25-Jul	10	10	6	86	3,186	17,366	0	0	7,616	27,040	85	747	10,893	45,239
26-Jul	14	17	1	15	4,125	21,774	0	0	8,609	30,252	108	988	12,843	53,029
27-Jul	12	12	0	0	4,891	26,059	0	0	8,975	29,503	141	1,275	14,007	56,837
28-Jul	11	16	1	6	3,204	17,988	285	1,636	4,313	15,597	139	1,259	7,942	36,486
29-Jul	12	15	1	21	5,237	28,717	1	5	9,209	32,365	249	2,371	14,697	63,479
30-Jul	9	10	2	32	2,142	11,769	0	0	5,828	20,660	121	1,088	8,093	33,549
31-Jul	6	6	2	28	1,522	8,118	0	0	5,628	18,357	129	1,035	7,281	27,538
1-Aug	8	10	2	34	1,825	9,576	10	69	4,649	15,395	54	506	6,540	25,580
2-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4-Aug	4	5	3	35	1,284	6,981	1	10	6,998	27,986	29	264	8,315	35,276
6-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
7-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
14-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
15-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
16-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	39	542	420	4,365	199,532	1,114,163	329	2,045	220,858	788,973	6,187	54,385	427,326	1,963,931
Avg.Wt.				10.39		5.58		6.22		3.57		8.79		

* = Confidential information

Appendix H.3. Estimated commercial harvest of Spiridon Lake enhancement project sockeye salmon, by area, in the Kodiak Management Area, 2002.

	Permits Landings		Chinook		Sockeye		Coho		Pink		Chum		Total Salmon	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
Total	39	542	420	4,365	199,532	1,114,163	329	2,045	220,858	788,973	6,187	54,385	427,326	1,963,931
Avg.Wt.				10.39		5.58		6.22		3.57		8.79		

	Actual	Estimated	
	Telrod Cove ^a	Southwest Afognak Section and NW Kodiak District ^b	Westside Total
Total	199,532	292,104	491,636
Percent	41%	59%	100%

^a Statistical Area 254-50.

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

INTRODUCTION

For the Northeast Kodiak District (Appendix A.6.), 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 2002). 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.

For the Eastside Kodiak District (Appendix A.8.), in the southern 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 (5 AAC 18.367). In the Inner and Outer Ugak Bay Sections not more than two 33 hour fishing periods may occur from June 14 to June 22, to harvest local and mixed sockeye salmon, then 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 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).

As mentioned, within the Buskin River Section of the Northeast Kodiak District, the Buskin Lake system produces a run of sockeye salmon. Within the Inner Ugak Section of the Eastside Kodiak District, the Saltery Lake system also produces a run of sockeye salmon. Both these systems have weirs for 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).

2002 Eastside Kodiak Fisheries

Saltery Lake sockeye salmon returns were strong again, and escapement (36,336) exceeded established goals (15,000 to 30,000) despite liberal fishing opportunities. This system has a mid to late season run timing. Continuous fishing targeting sockeye salmon was allowed from July 2 through August 5. However, the chum and pink salmon runs seemed to be coming in weak and the Inner Ugak Section was allowed to close in order to allow more escapement into local streams. The Eastside Kodiak District opened again on September 24 to allow opportunity to harvest coho salmon.

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The Buskin River had another strong run of sockeye salmon and commercial fishing was allowed on July 6. Other fishing periods followed during the general pink salmon management period and late season coho salmon management. The last landing in the Northeast Kodiak District occurred on August 15 with 455 chinook, 12,865 sockeye, 5,723 coho, 37,825 pink and 16,519 chum salmon harvested in 2002.

The last landing from Eastside Kodiak management units occurred on September 5 (Appendix I.2.) The total commercial harvest from Eastside Kodiak management units (Northeast and Eastside Kodiak Districts) was 817,232 salmon by 65 permit holders, including 1,953 chinook, 134,634 sockeye, 66,402 coho, 415,867 pink, and 198,376 chum salmon.

LITERATURE 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. Gretsch, and J. Wadle. 2002. Kodiak management area harvest strategy for the 2002 commercial salmon fishery. Alaska Department of Fish and Game, Division of Commercial Fisheries, Regional Information Report 4K02-31, Kodiak.
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Appendix I.2. Daily commercial salmon harvest, by species, for Eastside Kodiak Management Plan units, 2002.

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	*	*	*	*	*	*	*	*	*	*	*	*	*	*
7-Jul	4	4	50	487	2,569	14,580	1,418	8,207	3,990	13,968	1,983	13,962	10,010	51,204
8-Jul	11	14	199	1,845	5,915	38,371	2,193	15,658	17,787	59,779	5,953	46,698	32,047	162,351
9-Jul	10	10	143	1,532	3,878	23,659	1,783	13,068	12,845	41,657	4,826	36,734	23,475	116,650
14-Jul	*	*	*	*	*	*	*	*	*	*	*	*	*	*
25-Jul	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
14-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
15-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	20	37	455	4,588	12,865	79,635	5,723	39,643	37,825	126,776	16,519	128,020	73,387	378,662
Avg. Wt.				10.08		6.19		6.93		3.35		7.75		
EASTSIDE KODIAK DISTRICT														
21-Jun	12	12	164	2,164	12,652	78,842	0	0	3,388	10,913	8,750	68,340	24,954	160,259
22-Jun	6	6	70	778	6,744	44,254	0	0	1,166	3,839	2,808	22,259	10,788	71,130
2-Jul	7	8	39	586	2,381	14,035	0	0	6	26	175	1,383	2,601	16,030
3-Jul	4	4	54	644	356	2,212	0	0	3	15	58	481	471	3,352
5-Jul	*	*	*	*	*	*	*	*	*	*	*	*	*	*
6-Jul	22	22	123	1,530	11,139	60,127	940	6,368	6,351	22,075	4,196	33,429	22,749	123,529
7-Jul	19	19	283	3,352	5,644	33,765	1,193	8,808	3,477	11,592	3,893	32,986	14,490	90,503
8-Jul	20	21	275	3,456	16,325	98,594	6,639	52,713	18,109	57,832	8,448	69,313	49,796	281,908
9-Jul	26	26	309	3,413	14,165	78,030	7,928	53,098	12,633	48,721	8,632	64,456	43,667	247,718
10-Jul	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11-Jul	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12-Jul	4	4	3	112	2,073	12,464	1	6	65	236	229	1,863	2,371	14,681
14-Jul	13	14	21	254	10,772	60,291	4,737	27,410	26,957	93,602	3,423	29,487	45,910	211,044
15-Jul	11	15	16	120	6,505	37,662	3,215	22,437	27,488	90,365	3,507	29,979	40,731	180,563
16-Jul	16	17	24	356	7,958	46,440	12,529	88,079	38,012	143,825	4,341	36,463	62,864	315,163
17-Jul	16	16	40	437	9,470	51,788	11,363	72,672	19,170	70,646	2,754	20,655	42,797	216,198

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Appendix I.2. (Page 2 of 3)

Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		Total	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
19-Jul	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21-Jul	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22-Jul	6	8	8	132	4,324	27,302	6,960	47,897	39,315	155,953	4,035	30,026	54,642	261,310
23-Jul	4	4	7	114	468	2,771	703	5,528	16,225	64,783	1,930	22,787	19,333	95,983
24-Jul	*	*	*	*	*	*	*	*	*	*	*	*	*	*
25-Jul	6	9	3	46	1,193	6,093	807	5,263	40,718	127,666	4,356	24,597	47,077	163,665
26-Jul	*	*	*	*	*	*	*	*	*	*	*	*	*	*
29-Jul	8	8	1	20	648	3,852	6	38	42,703	155,534	3,097	23,448	46,455	182,892
30-Jul	8	8	3	65	1,264	6,846	295	2,059	14,994	56,779	5,396	30,857	21,952	96,606
31-Jul	*	*	*	*	*	*	*	*	*	*	*	*	*	*
2-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12-Aug	10	10	0	0	31	174	80	578	18,492	66,004	7,716	65,109	26,319	131,865
13-Aug	8	8	2	30	49	285	116	1,062	9,589	38,260	8,621	84,174	18,377	123,811
14-Aug	8	8	2	23	229	1,411	271	2,174	7,045	25,155	7,772	74,044	15,319	102,807
15-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
16-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18-Aug	6	6	0	0	9	56	12	94	1,628	4,920	8,054	71,688	9,703	76,758
19-Aug	4	4	0	0	0	0	60	540	518	1,558	3,131	28,178	3,709	30,276
20-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21-Aug	4	4	0	0	33	189	452	4,230	1,063	3,932	3,728	32,369	5,276	40,720
22-Aug	6	6	0	0	109	554	1,119	11,349	2,814	10,419	6,003	50,713	10,045	73,035
23-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
24-Aug	6	6	0	0	10	50	374	3,744	225	903	3,023	30,330	3,632	35,027

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Appendix I.2. (Page 2 of 3)

Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		Total	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
25-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
28-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3-Sep	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4-Sep	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5-Sep	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	57	319	1,498	18,610	121,769	710,440	60,679	423,575	378,042	1,359,730	181,857	1,494,810	743,845	4,007,165
Avg. Wt.				12.42		5.83		6.98		3.60		8.22		
EASTSIDE KODIAK MANAGEMENT PLAN														
Total	65	354	1,953	23,198	134,634	790,075	66,402	463,218	415,867	1,486,506	198,376	1,622,830	817,232	4,385,827
Avg. Wt.				11.88		5.87		6.98		3.57		8.18		

* = Confidential information

INTRODUCTION

In November of 1995, the BOF voted into regulation the North Afognak/Shuyak Island Salmon Management Plan (5AAC 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 A.1). 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 toward local pink and coho salmon through September 5, then to local coho salmon after September 5. Fishing opportunities in the Shuyak Island Section are to be based on the abundance of local and mixed pink salmon through August 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 18.368).

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 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 (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; all waters of Foul Bay east of 152° 47.20' West Longitude up to the mouth and estuary of Hidden Creek, stream # 251-406; 5 AAC 18.375). From July 6 to August 24 management is based on the abundance of local and

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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 Foul Bay Terminal Harvest Area. From July 6 to 25 the Northwest Afognak Section is also managed in accordance with the North Shelikof management plan.

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 for the Pauls Bay Section is based on local and mixed pink salmon and sockeye salmon bound to Pauls Bay. After August 1, management is based on the abundance of local coho salmon. The department shall manage the Pauls Creek coho salmon escapement based on interim escapement objectives, as determined by the department.

2002 North Afognak/Shuyak Island Fisheries

In 2002 the first commercial salmon fishing period for the North Afognak/Shuyak Island management units began June 9, limited to the Foul Bay and Waterfall Bay Terminal Harvest Areas. The first landings did not occur until June 16 when seiners settled a price dispute with processors. The FBTHA catches started strong with a two day catch of 27,751 sockeye salmon (Appendix J.2.). Catches quickly tapered off for a final sockeye salmon harvest of 33,444. The WBTHA produced a total sockeye salmon catch of 13,410 (Appendix J.2.). The FBTHA was within the 2002 forecast (28,400 to 42,500) while the WBTHA fell below forecast (25,900 to 38,800).

The new Pauls Bay Section (5 ACC 18.368) opened on July first and the last delivery was on September 5. Due do budget shortfalls, the Pauls Bay weir was not operated past August 11. Aerial surveys were used to determine interim coho salmon escapements. The Pauls Bay Section was opened until further notice on September 4 when it was determined that the coho salmon escapement number exceeded objectives. The final harvest included 14 permits harvesting 5,905 sockeye, 20,620 coho, and 10,588 pink salmon (Appendix J.2.)

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 6. Forty-six (46) permit holders harvested 148,629 salmon, including 379 chinook, 3,852 sockeye, 29,052 coho, 51,801 pink, and 6,024 chum salmon in 84 landings (Appendix J.2.).

LITERATURE 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 J.2. Daily salmon harvest, by species, for North Afognak/Shuyak Island management units, 2002.

Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		Total	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
NORTHWEST AFOGNAK SECTION(excluding Foul Bay THA)														
6-Jul	*	*	*	*	*	*	*	*	*	*	*	*	*	*
7-Jul	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8-Jul	*	*	*	*	*	*	*	*	*	*	*	*	*	*
29-Jul	*	*	*	*	*	*	*	*	*	*	*	*	*	*
29-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	6	6	16	158	4,522	22,339	198	1,595	8,260	29,771	504	3,711	13,500	57,574
Avg. Wt.				9.88		4.94		0.00		3.60		7.36		
FOUL BAY TERMINAL HARVEST AREA														
16-Jun	11	11	19	199	16,580	72,231	0	0	0	0	22	172	16,621	72,602
17-Jun	11	11	174	1,626	11,171	54,446	0	0	79	262	265	1,869	11,689	58,203
18-Jun	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21-Jun	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22-Jun	*	*	*	*	*	*	*	*	*	*	*	*	*	*
24-Jun	*	*	*	*	*	*	*	*	*	*	*	*	*	*
25-Jun	*	*	*	*	*	*	*	*	*	*	*	*	*	*
29-Jun	*	*	*	*	*	*	*	*	*	*	*	*	*	*
1-Jul	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	27	29	196	1,840	33,444	151,581	0	0	120	406	1,243	6,866	35,003	160,693
Avg. Wt.				9.39		4.53		0.00		3.38		5.52		
PAULS BAY SECTION														
1-Jul	5	5	2	38	4,465	18,594	0	0	0	0	19	122	4,486	18,754
2-Jul	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3-Jul	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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Appendix J.2. (Page 2 of 3)

Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		Total	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
22-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
27-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
28-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
29-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4-Sep	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5-Sep	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	14	27	4	65	5,905	26,119	20,620	154,700	10,588	36,041	50	335	37,167	217,260
Avg. Wt.				16.25		4.42		7.50		3.40		6.69		
PERENOSA BAY SECTION (excluding Waterfall Bay THA)														
3-Jul	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8-Jul	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9-Jul	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Avg. Wt.				11.60		6.12		7.00		2.15		7.02		
WATERFALL BAY TERMINAL HARVEST AREA														
16-Jun	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17-Jun	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18-Jun	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20-Jun	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21-Jun	*	*	*	*	*	*	*	*	*	*	*	*	*	*
24-Jun	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Avg. Wt.				15.46		4.32		0.00		0.00		6.50		

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Appendix J.2. (Page 3 of 3)

Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		Total	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
SHUYAK ISLAND SECTION														
20-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3-Sep	*	*	*	*	*	*	*	*	*	*	*	*	*	*
6-Sep	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	4	5	0	0	102	662	5,662	50,255	1,829	5,780	0	0	7,593	56,697
Avg. Wt.				0.00		6.49		8.88		3.16		0.00		
NORTHEAST AFOGNAK SECTION														
8-Jul	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9-Jul	*	*	*	*	*	*	*	*	*	*	*	*	*	*
15-Jul	*	*	*	*	*	*	*	*	*	*	*	*	*	*
1-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	7	7	85	834	2,268	14,280	2,567	21,448	30,984	114,755	2,758	20,653	38,662	171,970
Avg. Wt.				9.81		6.30		8.36		3.70		7.49		
NORTH AFOGNAK/SHUYAK ISLAND MANAGEMENT PLAN UNITS														
Total	46	84	379	3,852	61,373	283,423	29,052	228,033	51,801	186,796	6,024	41,462	148,629	743,566
Avg. Wt.				10.16		4.62		7.85		3.61		6.88		

* = Confidential information

INTRODUCTION

The Mainland District in the Kodiak Management Area is covered under three separate regulatory management plans, two of which are primarily allocative plans allowing the harvest of sockeye salmon considered to be non-local. The Cape Igvak Salmon Management Plan (Appendix C.1.) covers the southernmost sections of the Mainland District and from June 5 to July 25 limits the harvest of sockeye salmon considered by regulation to be Chignik bound. The North Shelikof Strait Sockeye Salmon Management Plan (Appendix F.1.) covers the northernmost sections of the Mainland District, and from July 6 to 25 limits the harvest of sockeye salmon due to concern for interception of Cook Inlet-bound fish. The Mainland District Salmon Management Plan, while recognizing these other plans, sets forth the key species and targeted stocks that are managed for in each section throughout the entire fishing season.

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 Kafliia 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 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.

2002 MAINLAND DISTRICT FISHERIES

For sections north of the Cape Igvak Section, the first three weekly fishing periods (through July 25) were 57 hours long in 2002. The entire Mainland District opened on July 29 and remained open until September 7 (except for the Inner Kukak Section, which closed on August 22). The Big River, Hallo Bay, Outer Kukak, Inner Kukak, Dakavak, and Katmai Sections opened on September 17 and remained opened for the duration of the salmon season (October 31). The Alinchak, Cape Igvak, and Wide Bay Sections remained closed. The last landing from the Mainland District occurred on August 30 (Appendix K.2).

The total commercial harvest from the Mainland District was 638,889 salmon, including 1,141 chinook, 205,109 sockeye, 20,076 coho, 322,886 pink, and 89,677 chum salmon by 75 permit holders. This includes all salmon harvested along the Mainland, including those harvested under the Cape Igvak Salmon Management Plan and the North Shelikof Strait Sockeye Salmon Management Plan.

Appendix K.2. Daily commercial salmon harvest, by species, for the Mainland District Management Plan units, 2002.

Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		Total	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
BIG RIVER SECTION														
30-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Avg. Wt.				0.00		0.00		15.00		0.00		8.25		
HALLO BAY SECTION														
28-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Avg. Wt.				0.00		0.00		9.02		0.00		9.07		
OUTER KUKAK SECTION														
21-Jun	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23-Jul	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
7-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
14-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
15-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
16-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
25-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
26-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
27-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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Appendix K.2. (Page 2 of 4)

Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		Total	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
28-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
29-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	7	28	5	65	2,869	16,244	4,630	40,751	21,774	75,229	41,965	378,439	71,243	510,728
Avg. Wt.				13.00		5.66		8.80		3.45		9.02		
INNER KUKAK SECTION														
21-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Avg. Wt.				20.00		0.00		9.98		3.32		10.00		
DAKAVAK SECTION														
6-Jul	6	6	122	1,181	1,453	8,693	598	1,796	4,396	13,620	1,142	8,752	7,711	34,042
8-Jul	*	*	*	*	*	*	*	*	*	*	*	*	*	*
14-Jul	15	15	30	396	9,451	59,278	545	4,975	56,417	194,723	3,409	26,762	69,852	286,134
15-Jul	5	5	27	344	3,642	21,763	338	2,907	21,545	74,909	1,273	10,332	26,825	110,255
16-Jul	14	14	29	492	4,356	30,100	459	4,530	33,428	111,665	1,305	10,511	39,577	157,298
22-Jul	14	14	6	111	3,028	18,899	1,027	8,725	17,901	71,479	728	6,225	22,690	105,439
23-Jul	17	21	35	720	5,047	32,514	6,256	44,982	67,821	252,601	3,564	31,711	82,723	362,528
24-Jul	8	8	18	293	1,342	8,493	3,024	22,244	22,723	86,917	1,107	8,917	28,214	126,864
29-Jul	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	34	92	283	3,731	29,490	187,292	12,710	93,518	239,634	859,269	15,113	126,118	297,230	1,269,928
Avg. Wt.				13.18		6.35		7.36		3.59		8.35		
KATMAI SECTION														
6-Jul	2	2	28	419	1,337	8,711	2	15	1,609	4,979	897	6,758	3,873	20,882

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Appendix K.2. (Page 3 of 4)

Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		Total	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
7-Jul	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8-Jul	5	5	162	1,461	4,507	29,434	19	122	2,349	8,110	2,590	13,767	9,627	52,894
14-Jul	*	*	*	*	*	*	*	*	*	*	*	*	*	*
16-Jul	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20-Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	10	14	197	2,005	9,343	60,071	180	1,343	19,240	69,429	5,461	37,870	34,421	170,718
Avg. Wt.				10.18		6.43		7.46		3.61		6.93		
ALINCHAK SECTION														
6-Jul	4	4	36	425	3,337	20,178	2	12	1,634	5,677	1,298	10,189	6,307	36,481
7-Jul	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8-Jul	5	5	39	385	5,358	34,619	71	714	4,393	15,225	2,003	15,063	11,864	66,006
14-Jul	*	*	*	*	*	*	*	*	*	*	*	*	*	*
15-Jul	*	*	*	*	*	*	*	*	*	*	*	*	*	*
29-Jul	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	8	16	99	1,081	11,754	73,124	139	1,319	14,267	47,906	4,433	34,158	30,692	157,588
Avg. Wt.				10.92		6.22		9.49		3.36		7.71		
CAPE IGVAK SECTION														
20-Jun	45	50	184	3,104	38,908	238,128	36	112	619	1,864	4,160	34,190	43,907	277,398
21-Jun	18	18	75	1,627	17,308	106,165	0	0	201	605	1,168	10,480	18,752	118,877
22-Jun	23	25	83	1,286	28,185	160,337	0	0	412	1,228	2,767	22,112	31,447	184,963
23-Jun	37	42	194	1,894	59,529	358,136	0	0	638	2,085	6,692	48,674	67,053	410,789
19-Jul	15	15	10	164	5,202	32,266	769	6,166	13,415	53,145	1,522	13,127	20,918	104,868
20-Jul	8	8	2	20	1,156	6,649	252	2,055	10,312	36,657	513	4,694	12,235	50,075
21-Jul	4	4	8	60	1,365	8,187	308	2,587	2,270	8,902	484	4,402	4,435	24,138
Total	69	162	556	8,155	151,653	909,868	1,365	10,920	27,867	104,486	17,306	137,679	198,747	1,171,108
Avg. Wt.				14.67		6.00		8.00		3.75		7.96		

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Appendix K.2. (Page 4 of 4)

Date	Permits	Landings	Chinook		Sockeye		Coho		Pink		Chum		Total	
			Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds	Number	Pounds
WIDE BAY SECTION														
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gr.Total	75	313	1,141	15,057	205,109	1,246,599	20,076	161,272	322,886	1,156,664	89,677	768,235	638,889	3,347,827
Avg. Wt.				13.20		6.08		8.03		3.58		8.57		

* = Confidential information

Appendix L.1. Commercial salmon harvest, by management unit and statistical week, all gear combined, in the Kodiak Management Area, 2002.

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 & RASPBERRY STRAITS (COMBINE) (251-10,11,12,20)	22-Jun 25	2,057	14,809	7.2	22,701	99,177	4.4	30	92	3.1	1,819	6,007	3.3	4,185	28,718	6.9
	29-Jun 26	844	8,055	9.5	4,791	26,484	5.5	3	24	8.0	3,968	15,304	3.9	3,194	25,787	8.1
	6-Jul 27	3,253	32,324	9.9	55,697	307,283	5.5	50	445	8.9	59,652	199,965	3.4	15,738	129,995	8.3
	13-Jul 28	114	845	7.4	9,917	52,732	5.3	189	1,394	7.4	15,192	53,171	3.5	1,144	8,760	7.7
	20-Jul 29	136	1,412	10.4	2,338	13,470	5.8	1,058	8,788	8.3	22,734	79,880	3.5	627	5,291	8.4
	27-Jul 30	192	1,761	9.2	2,900	15,819	5.5	2,448	18,754	7.7	72,538	262,705	3.6	1,481	12,107	8.2
	3-Aug 31	35	430	12.3	4,599	24,608	5.4	1,345	10,027	7.5	89,431	310,340	3.5	1,216	9,662	7.9
	10-Aug 32	5	86	17.2	1,215	7,062	5.8	1,119	9,529	8.5	35,438	143,293	4.0	375	3,474	9.3
	17-Aug 33	4	65	16.3	280	1,660	5.9	1,123	9,552	8.5	24,248	86,434	3.6	86	658	7.7
	24-Aug 34	0	0	0.0	8	55	6.9	15	135	9.0	174	608	3.5	3	26	8.7
	7-Sep 36	0	0	0.0	0	0	0.0	1,614	14,534	9.0	9	30	3.3	0	0	0.0
	TOTAL		6,640	59,787	9.0	104,446	548,350	5.3	8,994	73,274	8.1	325,203	1,157,737	3.6	28,049	224,478
N.W.AFOGNAK (251-30,40,41,50)	22-Jun 25	196	1,840	9.4	31,499	144,117	4.6	0	0	0.0	79	262	3.3	1,220	6,704	5.5
	29-Jun 26	0	0	0.0	1,730	6,259	3.6	0	0	0.0	0	0	0.0	0	0	0.0
	6-Jul 27	9	100	11.1	2,972	15,244	5.1	16	137	8.6	3,338	11,752	3.5	321	2,402	7.5
	13-Jul 28	3	22	7.3	1,517	6,936	4.6	9	77	8.6	1,241	5,125	4.1	163	1,127	6.9
	3-Aug 31	4	36	9.0	248	1,364	5.5	40	286	7.2	3,722	13,038	3.5	43	344	8.0
	31-Aug 35	0	0	0.0	0	0	0.0	133	1,095	8.2	0	0	0.0	0	0	0.0
	TOTAL		212	1,998	9.4	37,966	173,920	4.6	198	1,595	8.1	8,380	30,177	3.6	1,747	10,577
SHUYAK (251-60,70,81)	24-Aug 34	0	0	0.0	102	662	6.5	2,079	19,423	9.3	1,772	5,580	3.1	0	0	0.0
	7-Sep 36	0	0	0.0	0	0	0.0	3,583	30,832	8.6	57	200	3.5	0	0	0.0
	TOTAL	0	0	0.0	102	662	6.5	5,662	50,255	8.9	1,829	5,780	3.2	0	0	0.0
PERENOSA (251-82,83,84,85)	22-Jun 25	13	201	15.5	12,388	52,789	4.3	0	0	0.0	0	0	0.0	796	5,171	6.5
	29-Jun 26	0	0	0.0	1,022	5,110	5.0	0	0	0.0	0	0	0.0	0	0	0.0
	6-Jul 27	22	278	12.6	5,901	26,100	4.4	0	0	0.0	0	0	0.0	49	331	6.8
	13-Jul 28	47	541	11.5	1,722	10,543	6.1	5	35	7.0	20	43	2.2	673	4,726	7.0
	24-Aug 34	0	0	0.0	4	19	4.8	10,064	81,853	8.1	9,395	31,805	3.4	1	4	4.0
	31-Aug 35	0	0	0.0	0	0	0.0	5,315	38,608	7.3	882	3,303	3.7	0	0	0.0
	7-Sep 36	0	0	0.0	0	0	0.0	5,241	34,239	6.5	311	933	3.0	0	0	0.0
TOTAL		82	1,020	12.4	21,037	94,561	4.5	20,625	154,735	7.5	10,608	36,084	3.4	1,519	10,232	6.7
N.E.AFOGNAK (251-90,252-10,20)	13-Jul 28	68	714	10.5	865	6,537	7.6	871	6,909	7.9	2,318	7,814	3.4	1,751	12,278	7.0
	20-Jul 29	7	62	8.9	649	3,896	6.0	608	5,413	8.9	5,563	17,721	3.2	424	3,563	8.4

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Appendix L.1. (page 2 of 7)

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 (Cont.)	3-Aug 31	10	58	5.8	302	1,509	5.0	764	6,411	8.4	15,197	57,753	3.8	382	3,151	8.2
	10-Aug 32	0	0	0.0	452	2,338	5.2	324	2,715	8.4	7,906	31,467	4.0	201	1,661	8.3
	TOTAL	85	834	9.8	2,268	14,280	6.3	2,567	21,448	8.4	30,984	114,755	3.7	2,758	20,653	7.5
IZHUT (252-30)	22-Jun 25	164	1,214	7.4	503	2,367	4.7	0	0	0.0	18	54	3.0	3,845	24,004	6.2
	27-Jul 30	0	0	0.0	1,259	6,946	5.5	572	3,562	6.2	43,421	154,681	3.6	1,879	12,407	6.6
	3-Aug 31	4	59	14.8	984	5,768	5.9	1,631	13,113	8.0	442,313	1,589,961	3.6	1,079	8,209	7.6
	10-Aug 32	5	62	12.4	1,055	6,042	5.7	2,151	17,525	8.1	755,714	2,800,126	3.7	710	5,570	7.8
	17-Aug 33	8	99	12.4	513	2,879	5.6	8,751	68,454	7.8	495,976	1,822,720	3.7	328	2,635	8.0
	24-Aug 34	0	0	0.0	201	1,189	5.9	16,629	108,833	6.5	110,413	424,953	3.8	63	490	7.8
	31-Aug 35	2	22	11.0	78	464	5.9	16,920	170,089	10.1	43,078	159,987	3.7	210	1,737	8.3
	7-Sep 36	0	0	0.0	107	567	5.3	20,375	158,912	7.8	12,872	43,669	3.4	2	13	6.5
	21-Sep 38	0	0	0.0	3	21	7.0	2,555	18,806	7.4	0	0	0.0	0	0	0.0
	28-Sep 39	0	0	0.0	0	0	0.0	789	5,930	7.5	0	0	0.0	0	0	0.0
	TOTAL	183	1,456	8.0	4,703	26,243	5.6	70,373	565,224	8.0	1,903,805	6,996,151	3.7	8,116	55,065	6.8
INNER & OUTER KITOI BAY (252-32)	22-Jun 25	14	132	9.4	37	178	4.8	0	0	0.0	0	0	0.0	7,799	53,210	6.8
	20-Jul 29	1	28	28.0	722	4,133	5.7	183	1,157	6.3	2,029	7,157	3.5	27,656	188,210	6.8
	3-Aug 31	2	50	25.0	28	138	4.9	38	273	7.2	149,081	519,201	3.5	146	1,100	7.5
	10-Aug 32	4	22	5.5	230	1,326	5.8	7,737	34,112	4.4	887,066	3,172,897	3.6	586	4,372	7.5
	17-Aug 33	0	0	0.0	45	294	6.5	402	3,172	7.9	202,691	751,769	3.7	12	107	8.9
	24-Aug 34	0	0	0.0	8	52	6.5	1,508	10,997	7.3	13,194	52,186	4.0	3	25	8.3
	31-Aug 35	0	0	0.0	32	178	5.6	8,485	71,368	8.4	52,654	195,658	3.7	229	1,470	6.4
	7-Sep 36	0	0	0.0	4	16	4.0	8,301	68,712	8.3	4,219	15,610	3.7	9	68	7.6
	14-Sep 37	0	0	0.0	0	0	0.0	550	4,500	8.2	0	0	0.0	0	0	0.0
	21-Sep 38	0	0	0.0	0	0	0.0	3,221	25,267	7.8	0	0	0.0	0	0	0.0
	TOTAL	21	232	11.0	1,106	6,315	5.7	30,425	219,558	7.2	1,310,934	4,714,478	3.6	36,440	248,562	6.8
DUCK BAY (252-31)	22-Jun 25	42	252	6.0	1,934	8,241	4.3	0	0	0.0	130	439	3.4	3,554	23,986	6.7
	29-Jun 26	40	347	8.7	2,995	17,791	5.9	28	203	7.3	4,135	15,308	3.7	5,829	44,486	7.6
	20-Jul 29	67	858	12.8	7,060	41,364	5.9	9,195	70,768	7.7	93,317	313,039	3.4	9,256	73,970	8.0
	27-Jul 30	26	423	16.3	3,314	19,342	5.8	7,397	55,465	7.5	183,097	657,031	3.6	5,353	43,724	8.2
	3-Aug 31	30	466	15.5	1,563	8,392	5.4	5,957	44,045	7.4	484,871	1,726,245	3.6	12,020	52,776	4.4
	10-Aug 32	8	125	15.6	1,945	10,878	5.6	7,263	54,234	7.5	1,093,544	4,077,501	3.7	1,720	13,634	7.9
	17-Aug 33	11	129	11.7	3,181	17,838	5.6	18,215	144,954	8.0	1,187,825	4,442,908	3.7	5,698	25,403	4.5
	24-Aug 34	3	43	14.3	1,035	6,172	6.0	32,028	221,592	6.9	366,799	1,369,571	3.7	653	5,263	8.1
	31-Aug 35	4	22	5.5	148	868	5.9	15,996	126,324	7.9	62,136	234,326	3.8	84	996	11.9

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Appendix L.1. (page 3 of 7)

Section (Stat Area)	Stat Week/ Week End	Chinook			Sockeye			Coho			Pink			Chum		
		#	lbs	avg	#	lbs	avg	#	lbs	avg	#	lbs	avg	#	lbs	avg
DUCK BAY (Cont.)	7-Sep 36	0	0	0.0	0	0	0.0	12,157	90,163	7.4	5,927	19,284	3.3	1	9	9.0
	14-Sep 37	0	0	0.0	0	0	0.0	225	1,576	7.0	254	762	3.0	0	0	0.0
	TOTAL	231	2,665	11.5	23,175	130,886	5.6	108,461	809,324	7.5	3,482,035	12,856,414	3.7	44,168	284,247	6.4
S.E.AFOGNAK (252-33,34,35)	20-Jul 29	1	6	6.0	283	1,696	6.0	347	1,735	5.0	2,482	8,685	3.5	277	1,995	7.2
	10-Aug 32	0	0	0.0	324	1,681	5.2	705	4,990	7.1	17,663	62,741	3.6	181	1,250	6.9
	17-Aug 33	0	0	0.0	118	669	5.7	408	3,329	8.2	31,269	116,853	3.7	103	890	8.6
	24-Aug 34	0	0	0.0	219	1,340	6.1	1,857	17,524	9.4	44,125	160,017	3.6	61	482	7.9
	31-Aug 35	0	0	0.0	0	0	0.0	201	1,407	7.0	59	255	4.3	217	1,736	8.0
	TOTAL	1	6	6.0	944	5,386	5.7	3,518	28,985	8.2	95,598	348,551	3.6	839	6,353	7.6
CENTRAL, TERROR BAY, INNER UGANIK, SPIRIDON, ZACHAR, & UYAK COMB. (253-11,12,13,14,31 32,33,35,254-10,20, 30,40,50)	15-Jun 24	324	3,220	9.9	56,124	295,226	5.3	0	0	0.0	136	471	3.5	3,619	27,006	7.5
	22-Jun 25	1,017	7,349	7.2	65,612	365,814	5.6	3	19	6.3	3,686	12,857	3.5	8,702	65,293	7.5
	29-Jun 26	1,267	9,451	7.5	62,416	361,882	5.8	6	44	7.3	18,672	64,543	3.5	12,483	96,929	7.8
	6-Jul 27	1,075	9,945	9.3	141,053	830,248	5.9	115	869	7.6	114,053	426,713	3.7	22,498	171,930	7.6
	13-Jul 28	371	3,388	9.1	70,901	408,513	5.8	635	4,583	7.2	82,992	311,109	3.7	5,945	48,253	8.1
	20-Jul 29	559	6,302	11.3	117,244	681,575	5.8	5,326	42,663	8.0	560,945	2,161,148	3.9	15,725	134,317	8.5
	27-Jul 30	768	9,215	12.0	110,201	631,135	5.7	15,929	110,966	7.0	1,273,002	4,619,719	3.6	29,549	246,417	8.3
	3-Aug 31	483	6,055	12.5	115,774	678,545	5.9	18,184	141,542	7.8	2,454,596	9,027,692	3.7	19,080	156,326	8.2
	10-Aug 32	180	2,485	13.8	87,558	480,738	5.5	14,499	114,121	7.9	1,504,661	5,680,613	3.8	9,658	78,105	8.1
	17-Aug 33	73	1,029	14.1	91,381	536,246	5.9	28,645	237,908	8.3	1,428,428	5,307,006	3.7	17,323	97,272	5.6
	24-Aug 34	83	1,171	14.1	57,761	336,634	5.8	21,485	189,782	8.8	547,306	2,044,626	3.7	3,106	25,644	8.3
	31-Aug 35	15	161	10.7	23,433	133,914	5.7	8,560	80,165	9.4	58,267	226,206	3.9	770	6,112	7.9
	TOTAL	6,215	59,771	9.6	999,458	5,740,470	5.7	113,387	922,662	8.1	8,046,744	29,882,703	3.7	148,458	1,153,604	7.8
NORTH CAPE, ANTON LARSEN, SHERATIN, & KIZHUYAK COMB. (259-35,36,37,38,39)	22-Jun 25	219	1,729	7.9	14,205	66,063	4.7	0	0	0.0	766	2,685	3.5	3,618	26,108	7.2
	29-Jun 26	248	2,038	8.2	20,358	112,272	5.5	28	179	6.4	12,511	45,128	3.6	23,695	175,914	7.4
	6-Jul 27	354	2,784	7.9	8,107	43,850	5.4	180	1,287	7.2	7,229	24,755	3.4	5,240	38,089	7.3
	13-Jul 28	35	419	12.0	2,947	17,214	5.8	655	4,164	6.4	3,890	14,724	3.8	843	6,915	8.2
	20-Jul 29	68	622	9.1	10,864	63,909	5.9	12,827	96,374	7.5	116,467	385,156	3.3	11,342	85,405	7.5
	27-Jul 30	28	280	10.0	4,803	27,111	5.6	3,779	27,505	7.3	82,053	312,122	3.8	6,733	54,530	8.1
	3-Aug 31	1	10	10.0	345	1,985	5.8	212	1,598	7.5	2,637	11,314	4.3	382	3,153	8.3
	10-Aug 32	0	0	0.0	616	3,665	5.9	441	2,957	6.7	10,000	43,130	4.3	794	6,320	8.0
	17-Aug 33	1	8	8.0	2,122	12,600	5.9	2,571	20,353	7.9	49,666	195,301	3.9	2,494	20,915	8.4
	24-Aug 34	0	0	0.0	362	2,179	6.0	2,008	15,863	7.9	5,854	23,984	4.1	627	4,984	7.9
	31-Aug 35	0	0	0.0	41	234	5.7	486	3,885	8.0	2,862	11,118	3.9	77	554	7.2
TOTAL	954	7,890	8.3	64,770	351,082	5.4	23,187	174,165	7.5	293,935	1,069,417	3.6	55,845	422,887	7.6	

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Appendix L.1. (page 4 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 KARLUK (255-20)	22-Jun 25	507	5,036	9.9	27,944	120,707	4.3	1	11	11.0	752	2,465	3.3	3,628	28,544	7.9
	29-Jun 26	45	624	13.9	6,867	34,684	5.1	0	0	0.0	1,911	5,984	3.1	1,149	9,165	8.0
	6-Jul 27	146	1,495	10.2	8,199	43,522	5.3	1	7	7.0	6,884	22,642	3.3	1,456	11,678	8.0
	13-Jul 28	21	280	13.3	2,196	13,052	5.9	0	0	0.0	5,875	19,986	3.4	293	2,520	8.6
	20-Jul 29	10	61	6.1	1,392	7,418	5.3	73	617	8.5	7,932	32,649	4.1	94	759	8.1
	3-Aug 31	2	35	17.5	4,708	28,492	6.1	551	4,105	7.5	70,594	280,809	4.0	36	288	8.0
	10-Aug 32	83	1,374	16.6	25,170	136,610	5.4	4,623	37,739	8.2	226,437	809,844	3.6	309	2,724	8.8
	17-Aug 33	49	953	19.4	43,485	254,481	5.9	6,369	53,040	8.3	290,101	1,054,978	3.6	624	5,377	8.6
	24-Aug 34	8	159	19.9	7,261	39,894	5.5	1,781	15,023	8.4	26,388	98,016	3.7	167	1,532	9.2
	TOTAL		871	10,017	11.5	127,222	678,860	5.3	13,399	110,542	8.3	636,874	2,327,373	3.7	7,756	62,587
INNER KARLUK (255-10)	22-Jun 25	386	4,174	10.8	28,719	131,730	4.6	0	0	0.0	381	1,270	3.3	2,371	17,834	7.5
	29-Jun 26	93	1,227	13.2	9,208	46,501	5.1	0	0	0.0	1,529	4,906	3.2	1,268	9,932	7.8
	6-Jul 27	21	166	7.9	5,095	29,260	5.7	0	0	0.0	4,492	14,273	3.2	858	6,599	7.7
	13-Jul 28	31	393	12.7	11,546	58,582	5.1	89	831	9.3	40,126	145,409	3.6	620	4,944	8.0
	20-Jul 29	37	594	16.1	6,712	37,561	5.6	144	1,087	7.5	71,059	263,892	3.7	331	2,611	7.9
	TOTAL		568	6,554	11.5	61,280	303,634	5.0	233	1,918	8.2	117,587	429,750	3.7	5,448	41,920
STURGEON (256-40)	3-Aug 31	9	160	17.8	5,342	27,980	5.2	538	3,878	7.2	71,731	270,095	3.8	82	672	8.2
	10-Aug 32	13	245	18.8	12,383	70,590	5.7	970	8,689	9.0	174,329	612,934	3.5	10,150	39,001	3.8
	TOTAL		22	405	18.4	17,725	98,570	5.6	1,508	12,567	8.3	246,060	883,029	3.6	10,232	39,673
INNER & OUTER AYAKULIK (256-10,15,20)	22-Jun 25	71	805	11.3	4,313	22,606	5.2	0	0	0.0	318	1,031	3.2	552	4,127	7.5
	7-Sep 36	0	0	0.0	15	83	5.5	5,998	48,848	8.1	51	189	3.7	0	0	0.0
	TOTAL		71	805	11.3	4,328	22,689	5.2	5,998	48,848	8.1	369	1,220	3.3	552	4,127
HUMPY/DEADMAN (257-50,60,70)	20-Jul 29	0	0	0.0	2,103	11,780	5.6	60	443	7.4	21,945	87,417	4.0	241	2,026	8.4
	27-Jul 30	0	0	0.0	2,785	15,526	5.6	70	465	6.6	202,154	809,044	4.0	894	8,006	9.0
	3-Aug 31	4	178	44.5	1,338	8,004	6.0	249	1,920	7.7	411,537	1,537,938	3.7	1,047	9,463	9.0
	10-Aug 32	8	211	26.4	7,754	42,711	5.5	523	3,919	7.5	397,500	1,415,290	3.6	4,683	37,712	8.1
	17-Aug 33	1	12	12.0	552	3,364	6.1	125	908	7.3	44,749	159,524	3.6	924	7,857	8.5
	24-Aug 34	0	0	0.0	43	257	6.0	33	287	8.7	235	940	4.0	2,375	21,046	8.9
	TOTAL		13	401	30.8	14,575	81,642	5.6	1,060	7,942	7.5	1,078,120	4,010,153	3.7	10,164	86,110
SEVEN RIVERS (258-70,80,83,85,90)	13-Jul 28	116	1,465	12.6	7,743	42,421	5.5	4,027	24,956	6.2	10,289	39,951	3.9	2,810	20,112	7.2
	20-Jul 29	41	555	13.5	6,778	41,072	6.1	10,758	75,804	7.0	43,999	165,091	3.8	3,973	32,385	8.2

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Appendix L.1. (page 5 of 7)

Section (Stat Area)	Stat Week/ Week End	Chinook			Sockeye			Coho			Pink			Chum		
		#	lbs	avg	#	lbs	avg	#	lbs	avg	#	lbs	avg	#	lbs	avg
SEVEN RIVERS (Cont.)	27-Jul 30	15	236	15.7	1,746	9,459	5.4	3,326	20,906	6.3	15,454	55,161	3.6	1,365	10,569	7.7
	3-Aug 31	0	0	0.0	119	595	5.0	254	1,784	7.0	1,749	7,008	4.0	205	1,648	8.0
	TOTAL	172	2,256	13.1	16,386	93,547	5.7	18,365	123,450	6.7	71,491	267,211	3.7	8,353	64,714	7.7
TWO-HEADED (258-54,55,60)	22-Jun 25	32	443	13.8	6,230	38,901	6.2	0	0	0.0	1,873	6,006	3.2	4,067	32,077	7.9
	6-Jul 27	9	166	18.4	3,012	15,409	5.1	339	2,127	6.3	2,093	7,418	3.5	1,316	9,397	7.1
	13-Jul 28	35	371	10.6	9,411	53,360	5.7	3,768	26,476	7.0	12,985	44,239	3.4	6,965	52,370	7.5
	20-Jul 29	19	187	9.8	6,836	38,274	5.6	3,491	24,534	7.0	22,677	79,616	3.5	2,836	22,788	8.0
	27-Jul 30	0	0	0.0	3	16	5.3	1	5	5.0	2,563	10,255	4.0	361	4,335	12.0
	TOTAL	95	1,167	12.3	25,492	145,960	5.7	7,599	53,142	7.0	42,191	147,534	3.5	15,545	120,967	7.8
SITKALIDAK (258-10,20,30,40,51, 52,53)	22-Jun 25	152	1,989	13.1	10,720	67,681	6.3	0	0	0.0	2,681	8,746	3.3	7,487	58,478	7.8
	6-Jul 27	75	950	12.7	5,412	28,075	5.2	535	3,754	7.0	3,341	11,697	3.5	2,561	21,394	8.4
	13-Jul 28	479	5,495	11.5	13,597	81,533	6.0	7,823	62,275	8.0	10,127	31,148	3.1	10,240	86,683	8.5
	20-Jul 29	38	351	9.2	12,447	70,179	5.6	17,585	110,180	6.3	44,029	150,884	3.4	5,921	50,231	8.5
	27-Jul 30	3	56	18.7	4,202	26,512	6.3	5,135	37,725	7.3	77,879	281,535	3.6	8,569	62,351	7.3
	3-Aug 31	8	194	24.3	377	2,108	5.6	48	320	6.7	64,876	239,604	3.7	7,894	61,404	7.8
	10-Aug 32	0	0	0.0	6	39	6.5	1	7	7.0	611	2,139	3.5	1,972	14,199	7.2
	17-Aug 33	4	53	13.3	453	2,706	6.0	955	7,361	7.7	47,629	174,231	3.7	39,144	350,095	8.9
	24-Aug 34	0	0	0.0	183	956	5.2	2,397	23,758	9.9	6,577	23,014	3.5	28,116	251,494	8.9
	31-Aug 35	0	0	0.0	0	0	0.0	0	0	0.0	22	87	4.0	2,940	29,231	9.9
	TOTAL	759	9,088	12.0	47,397	279,789	5.9	34,479	245,380	7.1	257,772	923,085	3.6	114,844	985,560	8.6
INNER & OUTER UGAK (259-40,41,42)	22-Jun 25	50	510	10.2	2,446	16,514	6.8	0	0	0.0	0	0	0.0	4	44	11.0
	6-Jul 27	161	2,155	13.4	5,652	33,876	6.0	66	487	7.4	926	3,001	3.2	572	4,657	8.1
	13-Jul 28	258	3,360	13.0	10,067	61,264	6.1	143	918	6.4	969	3,340	3.4	1,361	11,101	8.2
	20-Jul 29	3	74	24.7	9,565	52,184	5.5	10	80	8.0	1,184	3,635	3.1	1,468	12,570	8.6
	27-Jul 30	0	0	0.0	2,929	16,892	5.8	8	52	6.5	1,259	4,541	3.6	2,462	23,003	9.3
	3-Aug 31	0	0	0.0	1,825	10,341	5.7	1	8	8.0	2,107	6,902	3.3	10,456	65,496	6.3
	10-Aug 32	0	0	0.0	10	73	7.3	0	0	0.0	143	481	3.4	5,943	47,532	8.0
	7-Sep 36	0	0	0.0	0	0	0.0	8	58	7.3	0	0	0.0	20,849	159,166	7.6
	TOTAL	472	6,099	12.9	32,494	191,144	5.9	236	1,603	6.8	6,588	21,900	3.3	43,115	323,569	7.5
OUTER CHINIAK (259-21,25)	6-Jul 27	50	598	12.0	190	1,215	6.4	3	27	9.0	409	1,227	3.0	283	2,262	8.0
	13-Jul 28	392	3,864	9.9	12,362	76,610	6.2	5,394	36,933	6.8	34,622	115,404	3.3	12,762	97,394	7.6
	20-Jul 29	3	8	2.7	237	1,359	5.7	187	1,016	5.4	2,344	8,379	3.6	251	1,764	7.0
	27-Jul 30	0	0	0.0	0	0	0.0	0	0	0.0	98	410	4.2	147	1,435	9.8

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Appendix L.1. (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
OUTER CHINIAK (Cont.)	17-Aug 33	10	118	11.8	76	451	5.9	139	1,667	12.0	352	1,356	3.9	3,076	25,165	8.2
	TOTAL	455	4,588	10.1	12,865	79,635	6.2	5,723	39,643	6.9	37,825	126,776	3.4	16,519	128,020	7.7
BIG RIVER (262-10,15)	31-Aug 35	0	0	0.0	0	0	0.0	617	9,252	15.0	0	0	0.0	4	33	8.3
	TOTAL	0	0	0.0	0	0	0.0	617	9,252	15.0	0	0	0.0	4	33	8.3
HALO BAY (262-20)	31-Aug 35	0	0	0.0	0	0	0.0	179	1,615	9.0	0	0	0.0	14	127	9.1
	TOTAL	0	0	0.0	0	0	0.0	179	1,615	9.0	0	0	0.0	14	127	9.1
OUTER KUKAK (262-25,30)	22-Jun 25	0	0	0.0	1,127	6,143	5.5	0	0	0.0	0	0	0.0	0	0	0.0
	27-Jul 30	4	53	13.3	1,625	9,510	5.9	909	6,581	7.2	7,536	26,377	3.5	280	2,215	7.9
	10-Aug 32	0	0	0.0	2	6	3.0	6	74	12.3	5,563	18,686	3.4	11,691	96,915	8.3
	17-Aug 33	0	0	0.0	110	563	5.1	757	7,479	9.9	8,612	29,940	3.5	18,050	171,804	9.5
	31-Aug 35	1	12	12.0	5	22	4.4	2,958	26,617	9.0	63	226	3.6	11,944	107,505	9.0
	TOTAL	5	65	13.0	2,869	16,244	5.7	4,630	40,751	8.8	21,774	75,229	3.5	41,965	378,439	9.0
INNER KUKAK (262-27)	24-Aug 34	1	20	20.0	0	0	0.0	256	2,554	10.0	104	345	3.3	5,381	53,811	10.0
	TOTAL	1	20	20.0	0	0	0.0	256	2,554	10.0	104	345	3.3	5,381	53,811	10.0
DAKAVAK (262-35,40,45,50,55)	6-Jul 27	122	1,181	9.7	1,453	8,693	6.0	598	1,796	3.0	4,396	13,620	3.1	1,142	8,752	7.7
	13-Jul 28	12	139	11.6	1,072	6,919	6.5	0	0	0.0	2,429	8,274	3.4	439	3,355	7.6
	20-Jul 29	86	1,232	14.3	17,449	111,141	6.4	1,342	12,412	9.2	111,390	381,297	3.4	5,987	47,605	8.0
	27-Jul 30	59	1,124	19.1	9,417	59,906	6.4	10,307	75,951	7.4	108,445	410,997	3.8	5,399	46,853	8.7
	3-Aug 31	2	26	13.0	99	633	6.4	343	2,398	7.0	2,915	11,369	3.9	99	735	7.4
	17-Aug 33	0	0	0.0	0	0	0.0	71	499	7.0	916	3,572	3.9	0	0	0.0
	24-Aug 34	2	29	14.5	0	0	0.0	49	462	9.4	9,143	30,140	3.3	2,047	18,818	9.2
	TOTAL	283	3,731	13.2	29,490	187,292	6.4	12,710	93,518	7.4	239,634	859,269	3.6	15,113	126,118	8.3
KATMAI (262-60)	6-Jul 27	28	419	15.0	1,337	8,711	6.5	2	15	7.5	1,609	4,979	3.1	897	6,758	7.5
	13-Jul 28	167	1,543	9.2	5,852	38,178	6.5	19	122	6.4	3,181	11,025	3.5	3,332	19,353	5.8
	20-Jul 29	2	43	21.5	2,154	13,182	6.1	159	1,206	7.6	11,503	43,996	3.8	454	4,371	9.6
	24-Aug 34	0	0	0.0	0	0	0.0	0	0	0.0	2,947	9,429	3.2	778	7,388	9.5
	TOTAL	197	2,005	10.2	9,343	60,071	6.4	180	1,343	7.5	19,240	69,429	3.6	5,461	37,870	6.9
ALINCHAK (262-65,70)	6-Jul 27	36	425	11.8	3,337	20,178	6.0	2	12	6.0	1,634	5,677	3.5	1,298	10,189	7.8
	13-Jul 28	53	545	10.3	7,248	46,301	6.4	71	714	10.1	5,193	18,031	3.5	2,707	20,349	7.5
	20-Jul 29	10	111	11.1	1,168	6,641	5.7	66	593	9.0	4,860	16,832	3.5	238	1,879	7.9

-Continued-

Appendix L.1. (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
ALINCHAK (Cont.)	3-Aug 31	0	0	0.0	1	4	4.0	0	0	0.0	2,580	7,366	2.9	190	1,741	9.2
	TOTAL	99	1,081	10.9	11,754	73,124	6.2	139	1,319	9.5	14,267	47,906	3.4	4,433	34,158	7.7
CAPE IGVAK (262-75,80,90,95)	22-Jun 25	342	6,017	17.6	84,401	504,630	6.0	36	112	3.1	1,232	3,697	3.0	8,095	66,782	8.2
	29-Jun 26	194	1,894	9.8	59,529	358,136	6.0	0	0	0.0	638	2,085	3.3	6,692	48,674	7.3
	20-Jul 29	12	184	15.3	6,358	38,915	6.1	1,021	8,221	8.1	23,727	89,802	3.8	2,035	17,821	8.8
	27-Jul 30	8	60	7.5	1,365	8,187	6.0	308	2,587	8.4	2,270	8,902	3.9	484	4,402	9.1
	TOTAL	556	8,155	14.7	151,653	909,868	6.0	1,365	10,920	8.0	27,867	104,486	3.7	17,306	137,679	8.0
GRAND TOTAL		19,263	192,096	10.0	1,824,848	10,314,224	5.7	496,073	3,827,532	7.7	18,327,818	67,506,942	3.7	650,144	5,062,140	7.8

Appendix M.1. Indexed peak salmon escapements for the Kodiak Management Area, by district and species, 2002.

District	Number of Salmon					Number of Surveys
	Chinook	Sockeye	Coho	Pink	Chum	
Afognak	1	84,248	35,111	277,201	1,417	39
Northwest Kodiak	0	61,414	10,200	1,964,910	68,630	63
Southwest Kodiak	19,727	1,094,868	58,582	2,412,266	56,238	14
Alitak Bay	387	303,619	25,298	1,961,562	44,745	46
Eastside Kodiak	0	48,286	10,331	637,579	149,186	106
Northeast Kodiak	0	20,755	16,149	240,959	13,200	40
Mainland	0	7,900	12,600	901,925	197,175	59
Total	20,115	1,621,090	168,271	8,396,402	530,591	367

Appendix M.2. Indexed peak salmon escapements for the Afognak District, by stream and species, in the Kodiak Management Area, 2002.

Stream	Number of Salmon					Date	Observer	Number of Surveys
	Chinook	Sockeye	Coho	Pink	Chum			
251-101	0	0	0	0	0	7/28	Brennan	1
251-105	0	32,214	0	0	0	6/27	Weir Count	
	0	0	0	52,000	0	8/8	Wadle	
	0	0	0	20,000	0	9/4	Wadle	3
251-301	0	-	1,500	2,000	-	8/24	Baer	2
251-302	0	600	0	6,600	0	9/4	Wadle	3
251-403	0	0	0	6,000	0	7/28	Brennan	1
251-404	0	0	0	600	0	7/28	Brennan	
	0	0	400	5,200	0	9/4	Wadle	2
251-502	0	0	200	700	0	9/4	Wadle	1
251-504	0	0	0	1,000	0	9/4	Wadle	1
251-505	0	-	1,000	-	-	9/4	Wadle	1
251-510	0	0	200	500	0	9/4	Wadle	1
251-601	0	2	1,582	118	0	9/13	Weir Count	1
251-602	0	0	800	0	0	9/4	Wadle	1
251-705	0	1	440	41	0	9/10	Weir Count	1
251-706	0	0	1,300	0	0	9/4	Wadle	1
251-825	0	0	0	4,300	0	8/8	Wadle	1
251-831	0	31,911	-	-	1,414	8/11	Weir Count	
	0	0	15,000	17,300	0	9/4	Wadle	1
251-901	0	0	0	3,100	0	9/4	Wadle	2
251-902	0	0	0	20,300	0	9/4	Wadle	2
252-101	0	0	0	9,500	0	9/4	Wadle	1
252-302	0	0	0	0	0	9/4	Wadle	2
252-306	0	0	0	700	0	9/4	Wadle	2
252-309	0	0	3,000	2,500	0	9/4	Wadle	2
252-319	0	0	35	0	0	10/31	Aro	1
252-323	0	0	1,000	0	0	10/31	Aro	1
252-324	0	0	0	40,000	0	10/31	Aro	1
252-332	0	0	0	7,000	0	8/8	Wadle	2
252-342	1	19,520	8,654	76,242	3	8/24	Weir Count	
252-343	0	0	0	1,500	0	9/4	Wadle	1
Total	1	84,248	35,111	277,201	1,417			39

Appendix M.3. Indexed peak salmon escapements for the Northwest Kodiak District, by stream and species, in the Kodiak Management Area, 2002.

Stream	Number of Salmon					Date	Observer	Number of Surveys
	Chinook	Sockeye	Coho	Pink	Chum			
253-115	0	-	0	5,100	0	7/11	Brennan	
	0	34,064	0	0	0	7/15	Weir Count	
	0	-	1,200	269,000	0	9/10	Gretsch	5
253-121	0	0	0	1,500	0	7/24	Brennan	2
253-122	0	25,400	0	-	0	7/11	Brennan	
	0	-	0	6,000	0	7/12	Brennan	
	0	-	5,000	573,000	11,500	8/16	Brennan	
253-331	0	-	3,000	300,000	-	9/10	Gretsch	8
	0	0	0	-	3,800	7/24	Brennan	
	0	0	0	106,000	-	7/30	Brennan	
253-332	0	0	1,000	-	-	8/16	Brennan	
	0	0	-	42,000	2,000	9/10	Gretsch	5
	0	0	0	19,000	0	7/30	Brennan	
254-201	0	0	0	35,000	0	9/10	Gretsch	2
254-202	0	0	0	11,500	0	7/30	Brennan	1
	0	0	0	-	17,500	7/24	Brennan	
	0	0	0	128,000	-	7/30	Brennan	
254-203	0	0	0	31,000	-	9/3	Wadle	4
	0	0	0	24,000	0	7/30	Brennan	
	0	0	0	64,000	0	9/3	Wadle	3
254-204	0	0	0	87,000	0	7/30	Brennan	2
254-301	0	0	0	56,500	13,000	7/30	Brennan	
	0	0	0	70,000	-	9/3	Wadle	5
	0	0	0	12,000	-	7/30	Brennan	
254-401	0	0	0	32,000	6,500	9/2	Brennan	
	0	0	0	-	7,380	9/3	Wadle	4
	0	1,880	0	1,710	0	8/17	Lawson	5
259-363	0	70	0	0	0	7/12	Brennan	2
259-365	0	0	0	-	50	7/24	Wadle	
	0	0	0	2,200	0	7/30	Brennan	
	0	0	0	4,500	1,400	9/10	Gretsch	3
259-366	0	0	0	20,000	1,000	8/7	Wadle	1
259-371	0	0	0	15,500	3,300	7/30	Brennan	
	0	0	0	21,000	0	9/10	Gretsch	3
259-372	0	0	0	10,000	0	7/30	Brennan	1
259-382	0	0	0	0	0	7/24	Wadle	1
259-383	0	0	0	0	1,200	8/23	Brennan	1
259-391	0	0	0	8,600	0	9/4	Wadle	1
259-392	0	0	0	5,300	0	9/4	Wadle	1
259-394	0	0	0	2,000	0	7/24	Wadle	
259-397	0	0	0	1,000	0	9/4	Wadle	2
	0	0	0	500	0	9/4	Wadle	1
Total	0	61,414	10,200	1,964,910	68,630			63

Appendix M.4. Indexed peak salmon escapements for the Southwest Kodiak District, by stream and species, in the Kodiak Management Area, 2002.

Stream	Number of Salmon					Date	Observer	Number of Surveys
	Chinook	Sockeye	Coho	Pink	Chum			
255-101	7,175	865,576	32,251	1,694,513	70	9/27	Weir Count	3
256-201	12,552	229,292	26,331	352,853	68	9/7	Weir Count	2
256-401	0	0	0	-	56,100	7/11	Brennan	
	0	0	0	295,000	-	7/30	Brennan	
	0	0	0	68,000	0	9/2	Brennan	7
256-402	0	0	0	1,900	0	9/2	Brennan	2
Total	19,727	1,094,868	58,582	2,412,266	56,238			14

Appendix M.5. Indexed peak salmon escapements for the Alitak Bay District, by stream and species, in the Kodiak Management Area, 2002.

Stream	Number of Salmon					Date	Observer	Number of Surveys
	Chinook	Sockeye	Coho	Pink	Chum			
257-101	0	0	0	0	0	8/18	Kuriscak	1
257-102	0	0	0	0	20,000	8/18	Kuriscak	2
257-302	0	6,035	1,328	24,846	0	9/8	Weir Count	
	0	1,600	3,200	3,200	0	9/20	Kuriscak	4
257-303	0	675	0	0	0	7/9	Schwarz	
	0	-	50	107	0	8/28	Kuriscak	3
257-304	4	187,151	13,065	7,625	16	9/20	Weir Count	1
257-305	0	0	0	2,500	553	8/24	Kuriscak	1
257-306	0	0	0	802	0	8/31	Kuriscak	1
257-401	0	0	0	41,587	2,402	8/24	Kuriscak	3
257-402	0	2,000	0	0	0	8/16	Brennan	
	0	170	1,103	5,118	1,826	9/2	Kuriscak	7
257-403	383	105,988	6,552	561,450	6,096	8/25	Weir Count	2
257-404	0	0	0	35,327	2,057	9/3	Kuriscak	1
257-502	0	0	0	95,000	2,000	7/24	Brennan	
	0	0	0	555,000	-	8/18	Kuriscak	5
257-503	0	0	0	60,000	0	8/18	Kuriscak	3
257-504	0	0	0	1,000	595	7/29	Brennan	2
257-601	0	0	0	3,000	0	8/18	Kuriscak	1
257-602	0	0	0	-	500	7/29	Brennan	
	0	0	0	25,000	0	8/18	Kuriscak	2
257-603	0	0	0	0	8,700	7/29	Brennan	
	0	0	0	40,000	0	8/18	Kuriscak	3
257-701	0	0	0	500,000	0	8/18	Kuriscak	2
257-702	0	0	0	0	0	8/18	Kuriscak	1
257-703	0	0	0	0	0	8/18	Kuriscak	1
Total	387	303,619	25,298	1,961,562	44,745			46

Appendix M.6. Indexed peak salmon escapements for the Eastside Kodiak District, by stream and species, in the Kodiak Management Area, 2002.

Stream	Number of Salmon					Date	Observer	Number of Surveys
	Chinook	Sockeye	Coho	Pink	Chum			
258-201	0	0	0	200	0	8/18	Brennan	1
258-202	0	0	0	0	0	7/29	Brennan	1
258-203	0	0	0	1,000	200	8/18	Brennan	1
258-204	0	0	0	0	10,400	8/18	Brennan	3
258-205	0	0	0	20,000	60,000	8/18	Brennan	2
258-206	0	0	0	82,000	6,000	8/18	Brennan	1
258-207	0	0	0	92,000	10,200	8/18	Brennan	2
258-208	0	0	0	11,000	0	8/18	Brennan	2
258-210	0	0	0	13,000	15,000	8/18	Brennan	1
258-211	0	0	0	4,000	6,000	8/18	Brennan	2
258-212	0	0	0	2,000	0	8/7	Brennan	3
258-213	0	0	0	0	0	8/18	Brennan	2
258-302	0	0	0	0	0	8/7	Brennan	1
258-304	0	0	0	0	0	7/29	Brennan	1
258-305	0	0	0	6,000	0	8/7	Brennan	2
258-401	0	2,200	0	0	0	8/7	Brennan	1
258-512	0	0	0	0	0	8/7	Brennan	1
258-521	0	0	0	-	5,800	7/29	Brennan	
	0	0	0	41,500	-	8/7	Brennan	2
258-522	0	0	0	118,000	6,000	8/7	Brennan	3
258-523	0	0	0	0	0	7/29	Brennan	1
258-541	0	0	0	11,000	0	8/7	Brennan	
	0	0	0	3,500	0	9/3	Wadle	2
258-542	0	0	0	18,900	1,000	9/3	Wadle	3
258-551	0	0	0	300	0	9/3	Wadle	1
258-602	0	0	0	18,500	2,000	8/7	Brennan	3
258-603	0	0	0	0	0	8/18	Kuriscak	1
258-604	0	0	0	0	0	8/18	Kuriscak	1
258-701	0	0	0	88,000	0	8/18	Kuriscak	3
258-702	0	0	0	0	0	8/18	Kuriscak	1
258-703	0	0	0	0	0	7/29	Brennan	1
258-705	0	0	0	0	0	8/18	Kuriscak	1
258-706	0	0	0	0	0	8/18	Kuriscak	1
258-901	0	0	0	0	0	8/18	Kuriscak	1
259-401	0	0	0	2,000	0	8/7	Brennan	1
259-410	0	0	0	0	0	9/10	Gretsch	1
259-411	0	4,750	0	0	0	7/11	Brennan	
	0	0	5,825	0	0	11/6	Tracy	6
259-412	0	-	0	1,600	0	7/11	Wadle	
	0	5,000	0	-	0	7/31	Wadle	
	0	-	0	6,600	0	8/18	Brennan	6
259-414	0	0	0	1,500	0	7/24	Wadle	
	0	0	0	300	0	8/18	Brennan	3
259-415	0	0	700	43,425	6,900	8/18	Brennan	
	0	36,336	1,306	2,629	86	9/12	Weir Count	5
259-416	0	0	0	17,700	5,100	8/18	Brennan	3

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Appendix M.6. (page 2 of 2)

Stream	Number of Salmon					Date	Observer	Number of Surveys
	Chinook	Sockeye	Coho	Pink	Chum			
259-417	0	0	0	0	1,700	8/18	Brennan	2
259-418	0	0	0	5,500	0	8/7	Wadle	
	0	0	0	-	2,900	8/18	Brennan	
	0	0	0	6,500	-	9/10	Gretsch	4
	0	0	0	125	0	7/31	Wadle	3
259-420	0	0	0	0	0	9/10	Gretsch	2
259-421	0	0	0	0	0	8/18	Brennan	2
259-422	0	0	0	2,600	0	8/18	Brennan	2
259-423	0	0	0	2,400	0	8/7	Wadle	
	0	0	0	-	2,100	8/18	Brennan	3
259-424	0	0	2,500	11,400	4,800	8/18	Brennan	5
259-425	0	0	0	2,000	0	8/18	Brennan	1
259-427	0	0	0	400	0	8/18	Brennan	1
259-428	0	0	0	0	3,000	8/18	Brennan	4
Total	0	48,286	10,331	637,579	149,186			106

Appendix M.7. Indexed peak salmon escapements for the Northeast Kodiak District, by stream and species, in the Kodiak Management Area, 2002.

Stream	Number of Salmon					Date	Observer	Number of Surveys
	Chinook	Sockeye	Coho	Pink	Chum			
259-101	0	0	343	0	0	10/3	Nagler	2
259-102	0	0	0	1,000	0	7/24	Wadle	
	0	0	0	2,500	0	7/28	Brennan	
	0	0	124	0	0	10/9	Schmidt	3
259-103	0	0	35	0	0	10/21	Ruccio	1
259-105	0	0	0	500	0	7/24	Wadle	
	0	0	25	0	0	10/5	McCullough	2
259-211 ^a	0	-	-	-	1,000	8/13	Brennan	
	0	17,174	10,649	62,759	-	9/30	Weir Count	1
259-211 ^b	0	3,581	0	0	0	8/15	Weir Count	
259-221	0	0	0	-	200	8/18	Brennan	
	0	0	0	7,500	0	9/10	Gretsch	
	0	0	378	0	0	10/8	Nagler	3
259-222	0	0	0	14,000	0	9/10	Gretsch	
	0	0	364	0	0	10/7	Nagler	3
259-223	0	0	0	5,500	0	7/31	Wadle	
	0	0	0	-	5,000	8/18	Brennan	
	0	0	0	17,000	0	9/10	Gretsch	
	0	0	920	0	0	11/15	Tracy	4
259-231	0	0	0	29,000	5,000	8/18	Brennan	
	0	0	1,034	0	0	10/19	Tracy	4
259-233	0	0	0	0	0	9/10	Gretsch	1
259-234	0	0	96	0	0	10/8	Tracy	1
259-242	0	0	0	-	2,000	8/7	Wadle	
	0	0	0	35,900	-	8/18	Brennan	
	0	0	790	0	0	11/17	Schmidt	
259-243	0	0	0	3,200	0	9/10	Gretsch	1
259-244	0	0	0	0	0	7/24	Wadle	1
259-245	0	0	0	1,500	0	8/13	Brennan	
	0	0	0	3,000	0	9/10	Gretsch	
	0	0	122	0	0	10/27	Schmidt	5
259-251	0	0	0	4,200	0	9/10	Gretsch	
	0	0	660	0	0	10/14	Tracy	3
259-252	0	0	0	600	0	8/7	Brennan	1
259-253	0	0	0	32,800	0	8/7	Brennan	1
259-254	0	0	0	10,000	0	7/24	Wadle	
	0	0	0	10,000	0	9/10	Gretsch	
	0	0	609	0	0	10/14	Schmidt	3
Total	0	20,755	16,149	240,959	13,200			40

^a Counted through the Buskin River weir.

^b Counted through the Lake Louise weir.

Appendix M.8. Indexed peak salmon escapements for the Mainland District, by stream and species, in the Kodiak Management Area, 2002.

Stream	Number of Salmon					Date	Observer	Number of Surveys
	Chinook	Sockeye	Coho	Pink	Chum			
262-101	0	0	0	675	225	9/10	Wadle	1
262-102	0	0	0	300	100	9/10	Wadle	1
262-103	0	0	0	450	0	9/10	Wadle	1
262-107	0	0	0	200	0	9/10	Wadle	1
262-108	0	0	0	0	0	9/10	Wadle	1
262-109	0	0	0	250	0	9/10	Wadle	1
262-112	0	0	0	0	0	9/10	Wadle	1
262-113	0	0	0	0	0	9/10	Wadle	1
262-151	0	4,900	0	0	0	7/28	Brennan	
	0	0	400	0	0	9/10	Wadle	2
262-152	0	0	0	103,000	34,100	7/28	Brennan	
	0	0	2,000	56,200	30,000	9/10	Wadle	2
262-153	0	0	0	14,000	1,200	7/28	Brennan	
	0	0	0	3,000	0	9/10	Wadle	2
262-154	0	0	0	154,000	35,000	7/28	Brennan	1
262-201	0	0	0	500	0	9/10	Wadle	1
262-203	0	0	0	0	3,500	7/28	Brennan	
	0	0	1,000	950	1,200	9/10	Wadle	2
262-207	0	0	0	500	3,550	9/10	Wadle	2
262-271	0	0	0	4,500	5,000	8/17	Brennan	3
262-272	0	0	0	0	1,100	8/17	Brennan	2
262-301	0	2,500	0	0	0	7/28	Brennan	
	0	-	0	5,000	0	8/17	Brennan	3
262-351	0	-	0	4,000	0	8/17	Brennan	
	0	500	0	0	0	9/10	Wadle	2
262-401	0	0	0	12,500	0	8/17	Brennan	2
262-402	0	0	0	22,300	0	8/17	Brennan	2
262-451	0	0	0	34,500	500	8/17	Brennan	
	0	0	4,000	-	0	9/10	Wadle	2
262-453	0	0	500	0	0	9/10	Wadle	1
262-501	0	0	0	28,100	0	8/17	Brennan	2
262-504	0	0	0	8,000	0	8/17	Brennan	1
262-505	0	0	0	2,000	0	8/17	Brennan	
	0	0	700	-	0	9/10	Wadle	2
262-551	0	0	0	97,000	0	8/17	Brennan	
	0	0	4,000	55,000	15,300	9/10	Wadle	2
262-602	0	0	0	5,000	28,000	9/10	Wadle	2
262-604	0	0	0	128,000	0	8/17	Brennan	
	0	0	0	13,900	0	9/10	Wadle	2
262-605	0	0	0	22,000	0	8/17	Brennan	
262-654	0	0	0	3,900	2,700	9/10	Wadle	1
262-656	0	0	0	3,500	0	9/10	Wadle	1
262-802	0	-	-	-	-	9/2	Brennan	1
262-851	0	0	0	40,000	10,000	9/2	Brennan	1
262-852	0	0	0	16,000	0	9/2	Brennan	1
262-853	0	0	0	28,500	0	9/2	Brennan	1
262-854	0	0	0	5,500	0	9/2	Brennan	1

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Appendix M.8. (page 2 of 2)

Stream	Number of Salmon					Date	Observer	Number of Surveys
	Chinook	Sockeye	Coho	Pink	Chum			
262-858	0	0	0	0	17,000	9/2	Brennan	1
262-859	0	0	0	0	3,700	9/2	Brennan	1
262-862	0	0	0	1,700	0	9/2	Brennan	1
262-951	0	0	0	27,000	5,000	9/2	Brennan	1
Total	0	7,900	12,600	901,925	197,175			59

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