AN ESTIMATE OF TOTAL RETURN OF SOCKEYE SALMON TO UPPER COOK INLET, ALASKA 1976 - 1999

by

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TABLE OF CONTENTS

Page

LIST OF TABLES iii

LIST OF FIGURES iv

LIST OF APPENDICES v

ABSTRACT vi

INTRODUCTION 1

METHODS 1

- Escapements 2
- Commercial Harvest 3
- Personal Use and Subsistence Harvests 3
- Sport Harvest 4
- Egg Take and Cost Recovery 4
- Spawners 4
- Enhanced Stocks 5
- Unallocated Age Composition 5
- Corrections 5

RESULTS AND DISCUSSION 6

- Susitna River 6
- Kenai River 6
- Kasilof River 6
- Crescent River 7
- Fish Creek 7

SUMMARY 7

LITERATURE CITED 8

TABLES 10

FIGURES 47

APPENDIX 50

LIST OF TABLES

Table Page

1. Sockeye salmon total return tables for Upper Cook Inlet, 1976-1999 10

2. Upper Cook Inlet sockeye salmon brood tables..... 34

3. Summary of historical fishery statistics for Kenai River sockeye salmon, 1981-1999..... 45

4. Historic sockeye salmon total returns in Upper Cook Inlet, Alaska, 1976-1999. 46

LIST OF FIGURES

Figure Page

1. Map of Upper Cook Inlet showing locations of the Northern and Central Districts and the primary salmon spawning drainages 47

2. Upper Cook Inlet commercial fisheries subdistrict fishing boundaries 48

3. Map of Upper Cook Inlet showing the commercial fishing statistical areas 49

LIST OF APPENDICES

Appendix Page

A. Escapement and harvest estimates and age composition data used to estimate total return by river system, 1980, 1997, 1998 and 1999 50

ABSTRACT

Historical age data (1976-1999) was used to allocate the annual total Upper Cook Inlet sockeye salmon (*Onchorhynchus nerka*) run to river of origin. Commercial catch was allocated to the five major river systems using a weighted age composition method.

This report is the second of a series that began with Regional Information Report 2A99-11, "An Estimate of Total Return of Sockeye Salmon Salmon to Upper Cook Inlet, Alaska, 1976 – 1998 (Tobias and Tarbox 1999). This report includes the final 1998 sockeye salmon total return data and preliminary data for 1999. Minor age composition revisions have been made in the 1980 and 1997 data. The total return tables and brood tables in this report supercede any earlier ones.

KEY WORDS: sockeye salmon, *Onchorhynchus nerka,* brood tables, recruits per spawner

INTRODUCTION

Upper Cook Inlet (UCI) consists of those waters north of the latitude of Anchor Point (Figure 1). The marine waters are further divided into Alaska Department of Fish and Game (ADF&G) commercial fishery management districts and statistical areas for harvest reporting (Figures 2 and 3). Five major river systems are monitored for sockeye salmon *Onchorhynchus nerka* that escape the commercial fishery and fisheries located below the counting site. These are the Kenai, Kasilof, Susitna, and Crescent Rivers and Fish Creek (Figure 1). In addition to the major systems, 28 additional first order streams are known to produce sockeye salmon in UCI. These represent a total of 125 streams and lakes that have documented spawning, rearing, or migration corridors (Fox 1998). In this report these 28 systems have been combined into one category entitled "Other".

The commercial gill net fisheries of UCI are mixed stocked and therefore allocation of harvest to river of origin is required to evaluate sockeye salmon production and spawning goals. Historically, a variety of techniques have been used to complete this task. These included using weighted age composition data, scale pattern analysis, and genetic stock identification. Unfortunately, scale pattern analysis was not reliable (Waltemyer et al 1996) and genetic stock identification was not consistently funded.

This report is the second of a series that began with Regional Information Report 2A99-11, "An Estimate of Total Return of Sockeye Salmon to Upper Cook Inlet, Alaska, 1976 – 1998 (Tobias and Tarbox 1999). The original report documented the revised weighted age composition method used to allocate 22 years of sockeye salmon runs to UCI. In this report the sport harvest data from 1998 has been finalized, resulting in the final estimates of total return for 1998. The commercial harvests, escapements, and estimated sport harvest data from 1999 are reported to determine a preliminary estimate of total return. Two corrections have been made in age compositions from earlier years (1980 and 1997). The total return tables and brood tables supercede the ones in the earlier report.

METHODS

The weighted age composition method uses escapement estimates and age composition data from the escapement to estimate the total return by river system. Appendix A presents the finalized data from 1998 and the preliminary data from 1999 (the footnotes for each year document specific references and methods). Appendix A also includes revised data from 1980 and 1997. The discussion below provides a general overview of the procedure used.

The weighted age composition method assumes that the fisheries exploit each age class of the returning population equally within a specific fishery. Therefore, the relative contribution of escapements by age class represents the relative harvest in a specific fishery. This can be expressed in the following example by age class:

$$Ke_{HD} = \frac{H_D \times Ke_i}{Ke_i + Ka_i + Su_i + Fc_i + O_i}$$

Ke_{HD} = Harvest of Kenai River sockeye in the Drift harvest

H_D = Harvest of the Drift fleet

Ke_i = Number of sockeye in the Kenai escapement

Ka_i = Number of sockeye in the Kasilof escapement

Su_i = Number of sockeye in the Susitna escapement

Fc_i = Number of sockeye in the Fish Creek escapement

O_i = Number of sockeye in the "Other" escapement

Numbers used for total escapement from the commercial fisheries into all the systems include the subsistence, personal use, and sport fishery harvests at the river mouths and below the sonar counters. Prior to 1998, the subsistence, personal use, and sport fishery harvest were not used in the weighted age composition in the "Other" escapment system. The Knik Arm commercial harvest is included in the Fish Creek escapement total.

The fishery harvest allocations in this report were based on proximity to the major rivers. The Upper Subdistrict set gill net harvest was allocated to Kenai and Kasilof Rivers. The General Subdistrict, Eastern Subdistrict and Kustatan set gill net harvests were allocated to the Susitna River, Fish Creek and "Other". The Western Subdistrict was allocated to Crescent River, while the Drift gill net fishery, Kalgin Island and Chinitna Bay were allocated to all systems except Crescent River. The Knik Arm harvest was allocated to Fish Creek.

All of the Upper Cook Inlet sockeye harvests from 1976-1999 have been allocated by age class and year, to the Susitna River, Kenai River, Hidden Lake enhanced, Kasilof River, Crescent River, Fish Creek, Other, or to Unallocated Age Classes. (Table 1).

Escapements

The term sockeye escapement has been used in various tables and text through the years in different ways. Escapement has been used to mean: 1) sockeye spawners only, with all sport caught fish subtracted from sonar counts above the sonar site; 2) number of sockeye through the sonar counting sites; and 3) total number of salmon entering the river system which includes all sport caught, personal use and subsistence fisheries below the

sonar site. The tables in this report contain footnotes defining escapement as used in the tables.

From 1976-1999 hydroacoustic (sonar) techniques were typically used to determine sockeye salmon escapements (number of sockeye salmon passing the counting location) in all major systems except Fish Creek, where a weir was used (Davis 2000).

Escapements into systems comprising "Other" have typically been monitored on an irregular basis and usually via aerial survey. Therefore, it was difficult to evaluate how to use these systems in production calculations while at the same time not ignoring their contribution. A preliminary comparison of "Other" and sonar and weir data for the major rivers indicated that a reasonable escapement estimate into these systems was 15% of the major rivers' escapements (Waltemyer, personal communication)

The Sunshine Station (Figure 1) and Yentna River hydroacoustic counts or mark/recapture estimates of escapements combined make up the Susitna River escapement. Since 1986, the escapement estimate at Sunshine Station has been calculated from the Yentna River escapement. This calculation was based on the ratio of counts taken from both sites from 1981 to 1985. This relationship is:

Sunshine escapement = 0.95 Yentna sonar count.

Commercial Harvest

Sockeye salmon commercial harvests were compiled from ADF&G fish ticket information. Commercial harvests were reported for all years in the following fisheries: Central District drift gill net; Upper Subdistrict set gill net which includes Salamatof, Kalifornsky, Cohoe/Ninilchik beaches; Western Subdistrict; Kustatan, Kalgin Island, Chinitna Bay, Eastern and the General subdistricts. Starting in 1987, the Knik Arm fishery was prosecuted and harvest reported for each year the fishery took place.

Personal Use and Subsistence Harvests

Personal use (PU) and subsistence harvests were reported in UCI from 1977 to 1999. Harvest came from statewide surveys, field monitoring of catch, and permit returns.

Age composition from the nearest river system was used to represent the harvests. Kenai River escapement age composition was used for the Kenai dip net, set gill net subsistence, PU, and Kenaitze educational fishery harvests. Kasilof River age composition represented the Kasilof dip and set gill net harvests. Susitna River age composition represented the PU/subsistence harvests near Tyonek, General and Kustatan subdistricts. Crescent River age composition was used for the Western Subdistrict while Packers Creek was used for Kalgin Island Subdistrict. The drift gill net harvest age composition was used when no river was in close proximity.

Sport Harvest

Sport harvests for 1998 in UCI saltwater and freshwater fisheries were extracted from the annual Sport Fish Division statewide harvest survey (Howe et al. 1999). The survey breaks down the harvest into specific river reaches.

The Kenai River section from Cook Inlet to Soldotna bridge was broken down further to report harvests from Cook Inlet to the sonar site (RM 19) and from the sonar site and above. Historically an average of 59% of the harvest from Cook Inlet to the Soldotna brigde is caught below the sonar site (King 1995 and 1997). The Kenai River sport harvest was divided into three areas: below the sonar counters; above the sonar counters; and Lower Russian River below the falls. Hidden Lake, Skilak Lake, and Moose River sport harvests were also reported (Table 3).

The Kasilof River sport harvests were recorded above and below the sonar site; Susitna River sport harvests are from the east and west side of the Susitna River drainage; sport harvests from saltwater and freshwater sport fisheries in the other areas of the General and Western Subdistricts were combined in other harvests in the "Other" escapement system.

Age composition for sport harvests were obtained from the river escapement closest to the fishery. Kenai River escapement age composition was used for sport fishery catches above and below the sonar counters on the Kenai River. Russian River sport harvest below the falls and at the confluence was represented by the ADF&G Sport Fish Russian River weir age composition when available. Kenai River age composition was used for the Skilak Lake, Hidden Lake and Moose River harvests. Kasilof River escapement age composition was used for the sport fishery catches above and below the sonar counters.

Egg Take and Cost Recovery

In 1998 and 1999 sockeye salmon have been sacrificed for egg takes at Tustumena Lake. The Kasilof escapement age composition has been used to represent these fish. Cost recovery harvests at Packers Creek have been recorded from the "Other" system. The age composition from the Packers Lake escapement was used.

Spawners

In-river return numbers were converted to number of spawning sockeye salmon (spawners) by subtracting harvests above the counting sites from the escapements estimate.

In the "Other" escapement system, sport, personal use, and cost recovery were totaled and recorded in the Total Return Table in other harvests, but were not subtracted from the

calculated escapement number as the estimate of 15% of monitored systems took this into account.

Enhanced Stocks

The Hidden Lake enhancement component was separated from Kenai River wild stocks. The escapement of enhanced Hidden Lake sockeye was determined using the ratio of hatchery to wild smolt by brood year and applying this ratio to the adult weir count. Prior to 1988, coded wire tag studies were used to estimate number of smolts originating from hatchery fry. Since 1993, estimates are based on otolith thermal marks. From 1988 to 1992, smolt from hatchery releases were calculated based on previous and later survival data as fish were not marked. After determining hatchery component in the escapement, the exploitation rate of the commercial and sport and other harvests on the Kenai was calculated and used to determine the total return of enhanced fish to Hidden Creek. Enhanced returns occurred from 1980-82, 1986-88, and 1990-99.

In 1999, Cook Inlet Aquaculture Association examined the otoliths of 591 adult fish returning to Hidden Lake for hatchery induced thermal marks. The proportion of hatchey incubated fish in the population of adult sockeye found returning to Hidden Lake in 1999, was 69% (±3.7%) (Fandrei 1999). This coincides with the smolt migration estimate of 71% used for the preliminary 1999 total return estimates.

Unallocated Age Composition

When the commercial harvests contained small numbers of age classes not represented in escapement samples for that area, these fish were recorded as Unallocated Age Classes.

In the Kenai River in 1998, the Russian River sport harvest contained a number of age classes that was not reflected in the escapement sampling. Therefore, the sport catch age class numbers could not be subtracted from the escapement without a negative number resulting. To insure correct totals in all columns, the sport fish age classes not found in the escapement were removed. Numbers zeroed were 1,119 (age classes 3.1 and 3.2).

Corrections

Two mistakes in age composition have been found since the original report was written. The first was in 1980, when the age composition used for Salamatof Beach was a sample from Boulder Point, and not from the entire beach. The second was an error in the Fish Creek age composition in 1997. Both years have been corrected and the new Total Return Tables reflect the changes.

RESULTS AND DISCUSSION

Sockeye salmon data from 1998 and 1999; including commercial, sport, personal use/subsistence, and other harvest (e.g. hatchery cost recovery); escapements and number of spawners; weighted age composition for each fishery or river sampled; number of fish harvested for egg takes; estimates of the number of hatchery produced Hidden Lake sockeye salmon; summary worksheets; exploitation rates by river; and sources of data and variations in methods of sampling and analysis are presented in Appendix A. Updated annual run estimates by river system is presented in Table 1.

Brood year returns for the Susitna, Kenai, Kasilof, Crescent, Hidden Lake enhanced, Fish Creek, Other, and all UCI systems combined are presented in Table 2.

Susitna River

From 1976 to 1999 the total return of Susitna River sockeye ranged from 287,884 in 1989 to 773,332 in 1990. The total return to the Susitna River in 1998 was 357,225, which was 147,000 fish less than the average return of 504,781 fish (1980-1999). The estimated total return of sockeye salmon to the Susitna River in 1999 is 387,387 which is similar to the 1998 total return, but still 117,000 less than the 20 year average (Table 4).

Kenai River

From 1976 to 1999, the total return of Kenai River sockeye ranged from 912,055 in 1981 to 8,589,222 in 1987. The total return to the Kenai River in 1998 was 1,475,979 which was less than half of the 20 year average return of 3,034,534 and the fifth lowest in the twenty years reported. The estimated total return for 1999 to the Kenai River is 2,508,893 fish, which is 1.1 million higher than the 1998 return, but 525,000 less than the 20 year average (Table 4).

Kasilof River

From 1976 to 1999, the total return of Kasilof River sockeye ranged from 443,500 in 1977 to 1,808,660 in 1985. The total return to the Kasilof River in 1998 was 588,651, which was 225,000 less than the 20 year average return of 814,118 (Table 4). The estimated total return for 1999 to the Kasilof River was 924,754, which was 110,000 above the 20 year average.

Crescent River

From 1976 to 1999, the total return of Crescent River sockeye ranged from 52,867 in 1996 to 309,373 in 1985. The total return to the Crescent River in 1998 was 82,132, which was 40,000 less than the 20 year average return of 122,619. The estimated total return of 115,960 fish in 1999 was almost double the 1998 return and just 6,600 fish under the 20-year average (Table 4).

Fish Creek

From 1979 to 1999, the total annual return of Fish Creek sockeye salmon ranged from 9,928 in 1977 to 441,733 in 1993. The 1998 return of 44,899 was the third smallest return in twenty years and was 125,000 fish less than the average return of 170,312. The 1999 estimated total return of 45,645 was the fourth lowest recorded and similar to the 1998 return (Table 4).

SUMMARY

The formulation of a sockeye salmon annual data set by river system in UCI is very difficult. The absence of good stock identification data precludes knowledge with precision. However, the importance of this region to the State of Alaska necessitates a constant attempt to improve, evaluate, and report sockeye salmon production estimates and escapement goal recommendations by river system.

It is recognized that the estimates of harvests, escapements, annual runs, and brood year production have the potential for significant error, especially for the smaller runs of sockeye salmon in UCI. However, it is assumed that the revised method used in this paper is an improvement over the earlier method because it tries to respond to the semi-terminal sockeye salmon commercial fishery in UCI in the last 15 years. In addition, the precision and accuracy required is dependent on use of the data. Therefore, we leave it to the reader to use the data appropriately.

We do feel that the Kenai River estimates are very reasonable and compare favorably with the genetic stock identification work completed during the Exxon Valdez Oil Spill (EVOS) studies (Seeb, L., personal communication).

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Table 1. Sockeye salmon total return tables for Upper Cook Inlet, 1976-1999.

UPPER COOK INLET SOCKEYE TOTAL RUN - 1976

SYSTEM		AGE CLASS 0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	2.4	3.3	3.4	TOTAL
SUSITNA	C:	0	2545	0	61467	0	0	140926	2155	0	212	487	0	0	0	0	207792
	E:	0	7992	0	49506	0	0	51060	1554	0	666	222	0	0	0	0	111000
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	10537	0	110973	0	0	191986	3709	0	878	709	0	0	0	0	318792
KENAI	C:	0	3491	0	324316	6976	0	257956	167484	0	0	85775	3488	0	0	0	849486
	E:	0	3669	0	167261	7337	0	72783	72544	0	0	26116	3451	0	0	0	353161
	O:	0	180	0	9775	360	0	4189	12125	0	0	4673	398	0	0	0	31700
	T:	0	7340	0	501352	14673	0	334928	252153	0	0	116564	7337	0	0	0	1234347
KASILOF	C:	0	252	0	91415	0	0	112265	77538	0	0	44146	0	255	0	0	325871
	E:	0	267	0	47940	0	0	32182	37657	0	0	15223	0	267	0	0	133536
	O:	0	11	0	1961	0	0	1317	1541	0	0	623	0	11	0	0	5464
	T:	0	530	0	141316	0	0	145764	116736	0	0	59992	0	533	0	0	464871
CRESENT	C:	0	120	0	6767	0	0	26669	1402	0	440	4645	0	0	0	0	40043
	E:	0	153	0	8619	0	0	33966	1785	0	561	5916	0	0	0	0	51000
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	273	0	15386	0	0	60635	3187	0	1001	10561	0	0	0	0	91043
	C:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hidden E	C:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	C:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FISH	C:	0	58	0	12108	54	0	8482	1167	0	0	31	0	0	0	0	21900
	E:	0	182	0	9752	168	0	3073	842	0	0	14	0	0	0	0	14031
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	240	0	21860	222	0	11555	2009	0	0	45	0	0	0	0	35931
UNALLO	C:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OTHER	C:	0	0	0	34950	0	0	140994	20239	0	0	22876	0	0	0	0	219059
	E:	0	0	0	28149	0	0	51085	14596	0	0	10425	0	0	0	0	104255
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	0	0	63099	0	0	192079	34835	0	0	33301	0	0	0	0	323314
SUMMARY	C:	0	6466	0	531023	7030	0	687292	269985	0	652	157960	3488	255	0	0	1664151
	E:	0	12263	0	311227	7505	0	244149	128978	0	1227	57916	3451	267	0	0	766983
	O:	0	191	0	11736	360	0	5506	13666	0	0	5296	398	11	0	0	37164
	T:	0	18920	0	853986	14895	0	936947	412629	0	1879	221172	7337	533	0	0	2468298

C = Commercial catch
E = Escapement - referring to spawners
O = Other - including sport caught, subsistence, and personal use fisheries
T = Total Return

Table 1. (continued)

UPPER COOK INLET SOCKEYE TOTAL RUN - 1977

SYSTEM		AGE CLASS 0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	2.4	3.3	3.4	TOTAL
SUSITNA	C:	0:	0:	0:	41619:	0:	0:	207016:	8227:	0:	0:	1381:	0:	0:	0:	0:	258243:
	E:	0:	2562:	0:	51009:	233:	0:	170729:	7686:	0:	0:	699:	0:	0:	0:	0:	232918:
	O:	0:	56:	0:	1113:	5:	0:	3727:	168:	0:	0:	15:	0:	0:	0:	0:	5084:
	T:	0:	2618:	0:	93741:	238:	0:	381472:	16081:	0:	0:	2095:	0:	0:	0:	0:	496245:
KENAI	C:	0:	0:	0:	81695:	0:	0:	867287:	98031:	0:	323:	155215:	0:	0:	0:	0:	1202551:
	E:	0:	0:	0:	39653:	0:	0:	523098:	28453:	0:	6911:	65512:	0:	0:	0:	0:	663627:
	O:	0:	0:	0:	3203:	0:	0:	19742:	21545:	0:	232:	5914:	0:	0:	0:	0:	50636:
	T:	0:	0:	0:	124551:	0:	0:	1410127:	148029:	0:	7466:	226641:	0:	0:	0:	0:	1916814:
KASILOF	C:	0:	2278:	0:	86869:	1166:	0:	74292:	84486:	0:	0:	39409:	0:	0:	0:	0:	288500:
	E:	0:	460:	0:	45043:	1226:	0:	45962:	42591:	0:	0:	17925:	0:	0:	0:	0:	153207:
	O:	0:	5:	0:	527:	14:	0:	538:	499:	0:	0:	210:	0:	0:	0:	0:	1793:
	T:	0:	2743:	0:	132439:	2406:	0:	120792:	127576:	0:	0:	57544:	0:	0:	0:	0:	443500:
CRESENT	C:	0:	0:	696:	5845:	0:	0:	56293:	2923:	0:	70:	3688:	70:	0:	0:	0:	69585:
	E:	0:	0:	870:	7308:	0:	0:	70383:	3654:	0:	87:	4611:	87:	0:	0:	0:	87000:
	O:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
	T:	0:	0:	1566:	13153:	0:	0:	126676:	6577:	0:	157:	8299:	157:	0:	0:	0:	156585:
	C:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
	E:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
	O:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
	T:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
Hidden E	C:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
	E:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
	O:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
	T:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
	C:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
	E:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
	O:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
	T:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
FISH	C:	0:	0:	0:	1438:	0:	0:	3165:	142:	0:	0:	0:	0:	0:	0:	0:	4745:
	E:	0:	597:	0:	1775:	10:	0:	2630:	134:	0:	0:	0:	0:	0:	0:	0:	5146:
	O:	0:	4:	0:	13:	0:	0:	19:	1:	0:	0:	0:	0:	0:	0:	0:	37:
	T:	0:	601:	0:	3226:	10:	0:	5814:	277:	0:	0:	0:	0:	0:	0:	0:	9928:
UNALLO	C:	466:	0:	0:	0:	0:	0:	0:	0:	195:	187:	0:	646:	518:	233:	0:	2245:
	E:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
	O:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
	T:	466:	0:	0:	0:	0:	0:	0:	0:	195:	187:	0:	646:	518:	233:	0:	2245:
OTHER	C:	0:	0:	9801:	13291:	0:	0:	150154:	16123:	0:	0:	37053:	0:	0:	0:	0:	226422:
	E:	0:	0:	1253:	16645:	0:	0:	126537:	15392:	0:	0:	19151:	0:	0:	0:	0:	178978:
	O:	0:	2:	8:	174:	1:	0:	1027:	159:	0:	0:	179:	0:	0:	0:	0:	1550:
	T:	0:	2:	11062:	30110:	1:	0:	277718:	31674:	0:	0:	56383:	0:	0:	0:	0:	406950:
SUMMARY	C:	466:	2278:	10497:	230757:	1166:	0:	1358207:	209932:	195:	580:	236746:	716:	518:	233:	0:	2052291:
	E:	0:	3619:	2123:	161433:	1469:	0:	939339:	97910:	0:	6998:	107898:	87:	0:	0:	0:	1320876:
	O:	0:	67:	8:	5030:	20:	0:	25053:	22372:	0:	232:	6318:	0:	0:	0:	0:	59100:
	T:	466:	5964:	12628:	397220:	2655:	0:	2322599:	330214:	195:	7810:	350962:	803:	518:	233:	0:	3432267:

Table 1. (continued)

UPPER COOK INLET SOCKEYE TOTAL RUN - 1978

SYSTEM		0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	2.4	3.3	3.4	TOTAL
		AGE CLASS															
SUSITNA	C:	0:	0:	0:	103256:	0:	0:	101344:	7012:	0:	0:	4115:	0:	0:	0:	0:	215727:
	E:	0:	3459:	0:	45060:	7479:	0:	33655:	2337:	0:	93:	1402:	0:	0:	0:	0:	93485:
	O:	0:	34:	0:	441:	73:	0:	329:	23:	0:	1:	14:	0:	0:	0:	0:	915:
	T:	0:	3493:	0:	148757:	7552:	0:	135328:	9372:	0:	94:	5531:	0:	0:	0:	0:	310127:
KENAI	C:	0:	0:	0:	44212:	0:	0:	1389188:	58202:	0:	0:	87100:	0:	0:	0:	0:	1578702:
	E:	0:	0:	0:	9138:	1123:	0:	323268:	3920:	0:	-749:	11630:	0:	0:	0:	0:	349828:
	O:	0:	0:	0:	1061:	101:	0:	30448:	16071:	0:	67:	10401:	0:	0:	0:	0:	58149:
	T:	0:	0:	0:	54411:	1224:	0:	1742904:	78193:	0:	816:	109131:	0:	0:	0:	0:	1986679:
KASILOF	C:	0:	0:	0:	208745:	0:	0:	183632:	35305:	0:	0:	37801:	0:	0:	0:	0:	465483:
	E:	0:	0:	0:	45397:	0:	0:	44078:	11432:	0:	0:	9013:	0:	0:	0:	0:	109920:
	O:	0:	0:	0:	2759:	0:	0:	2679:	695:	0:	0:	548:	0:	0:	0:	0:	6681:
	T:	0:	0:	0:	256901:	0:	0:	230389:	47432:	0:	0:	47362:	0:	0:	0:	0:	582084:
CRESENT	C:	0:	0:	0:	7499:	0:	0:	42403:	2876:	0:	0:	3609:	0:	0:	0:	0:	56387:
	E:	0:	0:	0:	3404:	0:	0:	61642:	0:	0:	0:	8954:	0:	0:	0:	0:	74000:
	O:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
	T:	0:	0:	0:	10903:	0:	0:	104045:	2876:	0:	0:	12563:	0:	0:	0:	0:	130387:
	C:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
	E:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
	O:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
	T:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
Hidden E	C:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
	E:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
	O:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
	T:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
	C:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
	E:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
	O:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
	T:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
FISH	C:	0:	0:	0:	3227:	0:	0:	531:	104:	0:	0:	104:	0:	0:	0:	0:	3966:
	E:	0:	1884:	0:	1422:	0:	0:	178:	35:	0:	0:	36:	0:	0:	0:	0:	3555:
	O:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	810:	0:	1811:	2621:
	T:	0:	1884:	0:	4649:	0:	0:	709:	139:	0:	0:	140:	0:	810:	0:	1811:	10142:
UNALLO	C:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
	E:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
	O:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
	T:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
OTHER	C:	0:	0:	0:	26911:	0:	0:	239243:	14401:	0:	0:	17979:	0:	0:	0:	0:	298534:
	E:	0:	0:	0:	11859:	0:	0:	80226:	4847:	0:	0:	6187:	0:	0:	0:	0:	103119:
	O:	0:	0:	0:	193:	0:	0:	957:	58:	0:	0:	74:	0:	0:	0:	0:	1282:
	T:	0:	0:	0:	38963:	0:	0:	320426:	19306:	0:	0:	24240:	0:	0:	0:	0:	402935:
SUMMARY	C:	0:	0:	0:	393850:	0:	0:	1956341:	117900:	0:	0:	150708:	0:	0:	0:	0:	2618799:
	E:	0:	5343:	0:	116280:	8602:	0:	543047:	22571:	0:	842:	37222:	0:	0:	0:	0:	733907:
	O:	0:	34:	0:	4454:	174:	0:	34413:	16847:	0:	68:	11037:	0:	810:	0:	1811:	69648:
	T:	0:	5377:	0:	514584:	8776:	0:	2533801:	157318:	0:	910:	198967:	0:	810:	0:	1811:	3422354:

Table 1. (continued)

UPPER COOK INLET SOCKEYE TOTAL RUN - 1979

SYSTEM		0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	2.4	3.3	3.4	TOTAL
		AGE CLASS															
SUSITNA	C:	278	279	5626	79044	111	0	43843	10561	0	0	1645	0	0	0	0	141387
	E:	2171	10236	3722	87159	930	0	43113	6358	0	155	1241	0	0	0	0	155085
	O:	25	119	43	1015	11	0	502	74	0	2	14	0	0	0	0	1805
	T:	2474	10634	9391	167218	1052	0	87458	16993	0	157	2900	0	0	0	0	298277
KENAI	C:	0	457	0	70997	0	0	221341	46699	0	0	22150	0	0	0	0	361644
	E:	0	545	0	53448	0	0	148123	28905	0	0	15796	0	0	0	0	246817
	O:	0	40	0	3873	0	0	36120	2094	0	0	3505	0	0	0	0	45632
	T:	0	1042	0	128318	0	0	405584	77698	0	0	41451	0	0	0	0	654093
KASILOF	C:	289	832	0	111021	0	0	51555	24072	0	0	2794	0	0	0	0	190563
	E:	149	1044	0	87853	0	0	42061	15661	0	0	2387	0	0	0	0	149155
	O:	3	21	0	1781	0	0	853	318	0	0	48	0	0	0	0	3024
	T:	441	1897	0	200655	0	0	94469	40051	0	0	5229	0	0	0	0	342742
CRESENT	C:	0	0	0	17667	0	0	35391	2897	0	0	852	0	0	0	0	56807
	E:	0	693	0	26776	87	0	58404	607	0	87	0	0	0	0	0	86654
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	693	0	44443	87	0	93795	3504	0	87	852	0	0	0	0	143461
	C:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hidden E	C:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	C:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FISH	C:	0	295	0	51064	0	0	485	792	0	0	0	0	0	0	0	52636
	E:	0	10902	0	56703	0	0	480	480	0	0	0	0	0	0	0	68565
	O:	0	25	0	130	0	0	1	1	0	0	0	0	0	0	0	157
	T:	0	11222	0	107897	0	0	966	1273	0	0	0	0	0	0	0	121358
UNALLO	C:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OTHER	C:	0	3	3220	32753	81	0	55600	22334	436	320	6630	0	0	0	0	121377
	E:	0	112	1799	36536	0	0	55310	13603	0	0	5059	0	0	0	0	112419
	O:	6	18	86	3539	2	0	3984	1048	4	3	333	0	0	0	0	9023
	T:	6	133	5105	72828	83	0	114894	36985	440	323	12022	0	0	0	0	242819
SUMMARY	C:	567	1866	8846	362546	192	0	408215	107355	436	320	34071	0	0	0	0	924414
	E:	2320	23532	5521	348475	1017	0	347491	65614	0	242	24483	0	0	0	0	818695
	O:	34	223	129	10338	13	0	41460	3535	4	5	3900	0	0	0	0	59641
	T:	2921	25621	14496	721359	1222	0	797166	176504	440	567	62454	0	0	0	0	1802750

Table 1. (continued)

UPPER COOK INLET SOCKEYE TOTAL RUN - 1980

SYSTEM		AGE CLASS 0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	2.4	3.3	3.4	TOTAL
SUSITNA	C:	0	100	0	60743	0	0	107596	10942	0	0	22937	0	0	0	0	202318
	E:	0	4164	0	88969	189	0	75907	7950	0	1325	10790	0	0	0	0	189295
	O:	0	99	0	2108	4	0	1798	188	0	31	256	0	0	0	0	4484
	T:	0	4363	0	151820	193	0	185301	19080	0	1356	33983	0	0	0	0	396097
KENAI	C:	0	500	0	158969	255	0	385313	112100	0	0	107727	0	0	0	0	764864
	E:	0	27183	0	135906	4011	0	160920	44189	0	0	25348	0	0	0	0	397557
	O:	0	1752	0	18610	259	0	13020	23097	0	0	5485	0	0	0	0	62223
	T:	0	29435	0	313485	4525	0	559253	179386	0	0	138560	0	0	0	0	1224644
KASILOF	C:	0	67	0	131411	0	0	94293	15524	0	1162	17382	0	0	0	0	259839
	E:	0	3743	0	119414	0	0	41171	8912	0	178	4812	0	0	0	0	178230
	O:	0	127	0	4040	0	0	1393	302	0	6	163	0	0	0	0	6031
	T:	0	3937	0	254865	0	0	136857	24738	0	1346	22357	0	0	0	0	444100
CRESENT	C:	0	0	0	8090	0	0	59431	5066	0	0	3024	0	0	0	0	75611
	E:	0	0	0	5997	0	0	79414	2362	0	1636	1454	0	0	0	0	90863
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	0	0	14087	0	0	138845	7428	0	1636	4478	0	0	0	0	166474
	C:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hidden E	C:	0	0	0	19773	0	0	345	2995	0	0	0	0	0	0	0	23113
	E:	0	0	0	13403	0	0	146	1020	0	0	0	0	0	0	0	14569
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	0	0	33176	0	0	491	4015	0	0	0	0	0	0	0	37682
	C:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FISH	C:	0	75	0	27503	0	0	13798	7246	0	0	0	0	0	0	0	48622
	E:	0	3192	0	41181	2378	0	9951	5382	501	0	0	0	0	0	0	62585
	O:	0	2	0	28	2	0	7	4	0	0	0	0	0	0	0	43
	T:	0	3269	0	68712	2380	0	23756	12632	501	0	0	0	0	0	0	111250
UNALLO	C:	0	0	0	0	0	0	0	0	0	0	0	0	124	304	0	428
	E:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	0	0	0	0	0	0	0	0	0	0	0	124	304	0	428
OTHER	C:	0	0	0	21752	0	0	107436	19822	0	0	49790	0	0	0	0	198800
	E:	0	0	0	32615	0	0	77590	14744	0	0	23977	0	0	0	0	148926
	O:	0	4	0	2244	1	0	4025	910	0	6	1052	0	0	0	0	8242
	T:	0	4	0	56611	1	0	189051	35476	0	6	74819	0	0	0	0	355968
SUMMARY	C:	0	742	0	428241	255	0	768212	173695	0	1162	200860	0	124	304	0	1573595
	E:	0	38282	0	437485	6578	0	445099	84559	501	3139	66381	0	0	0	0	1082024
	O:	0	1984	0	27030	266	0	20243	24501	0	43	6956	0	0	0	0	81023
	T:	0	41008	0	892756	7099	0	1233554	282755	501	4344	274197	0	124	304	0	2736642

Table 1. (continued)

UPPER COOK INLET SOCKEYE TOTAL RUN - 1981

SYSTEM		0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	2.4	3.3	3.4	TOTAL
		AGE CLASS															
SUSITNA	C:	0	453	0	27917	0	0	280878	14328	0	697	18200	0	0	0	0	342473
	E:	0	1356	0	27455	0	0	284379	9830	0	339	15592	0	0	0	0	338951
	O:	0	6	0	126	0	0	1302	45	0	1	71	0	0	0	0	1551
	T:	0	1815	0	55498	0	0	566559	24203	0	1037	33863	0	0	0	0	682975
KENAI	C:	0	0	0	77673	395	0	361999	42200	0	0	26853	0	0	0	0	509120
	E:	0	0	0	67544	1955	0	256886	16054	782	0	16242	0	0	0	0	359463
	O:	0	0	0	7188	99	0	14760	15849	40	0	5536	0	0	0	0	43472
	T:	0	0	0	152405	2449	0	633645	74103	822	0	48631	0	0	0	0	912055
KASILOF	C:	0	0	0	81567	0	0	226608	21475	0	0	5272	0	0	0	0	334922
	E:	0	0	0	71326	0	0	156973	14561	0	0	3949	0	0	0	0	246809
	O:	0	0	0	5908	0	0	13002	1206	0	0	327	0	0	0	0	20443
	T:	0	0	0	158801	0	0	396583	37242	0	0	9548	0	0	0	0	602174
CRESENT	C:	0	0	0	3283	0	0	10739	1826	22	65	5804	0	0	0	0	21739
	E:	0	0	0	3297	41	0	14012	4369	0	41	19453	0	0	0	0	41213
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	0	0	6580	41	0	24751	6195	22	106	25257	0	0	0	0	62952
	C:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hidden E	C:	0	0	0	7816	0	0	1749	2013	0	0	0	0	0	0	0	11578
	E:	0	0	0	6216	0	0	1195	558	0	0	0	0	0	0	0	7969
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	0	0	14032	0	0	2944	2571	0	0	0	0	0	0	0	19547
	C:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FISH	C:	0	219	0	29151	0	0	18810	2644	0	0	235	0	0	0	0	51059
	E:	0	654	0	28646	0	0	19030	1812	0	0	201	0	0	0	0	50343
	O:	0	2	0	76	0	0	51	5	0	0	1	0	0	0	0	135
	T:	0	875	0	57873	0	0	37891	4461	0	0	437	0	0	0	0	101537
UNALLO	C:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OTHER	C:	0	0	0	21470	0	0	123671	15030	0	0	8216	0	0	0	0	168387
	E:	0	0	0	21211	0	0	125786	10359	0	0	7070	0	0	0	0	164426
	O:	0	3	0	1109	2	0	4564	443	0	3	288	0	0	0	0	6412
	T:	0	3	0	43790	2	0	254021	25832	0	3	15574	0	0	0	0	339225
SUMMARY	C:	0	672	0	248877	395	0	1024454	99516	22	762	64580	0	0	0	0	1439278
	E:	0	2010	0	225695	1996	0	858261	57543	782	380	62507	0	0	0	0	1209174
	O:	0	11	0	14407	101	0	33679	17548	40	4	6223	0	0	0	0	72013
	T:	0	2693	0	488979	2492	0	1916394	174607	844	1146	133310	0	0	0	0	2720465

Table 1. (continued)

UPPER COOK INLET SOCKEYE TOTAL RUN - 1982

SYSTEM		0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	2.4	3.3	3.4	TOTAL
		AGE CLASS															
SUSITNA	C:	0	1062	0	54151	124	0	258701	9093	0	0	54359	0	0	0	0	377490
	E:	0	4314	0	44078	938	0	111790	6190	0	0	20257	0	0	0	0	187567
	O:	0	56	0	567	12	0	1439	80	0	0	261	0	0	0	0	2415
	T:	0	5432	0	98796	1074	0	371930	15363	0	0	74877	0	0	0	0	567472
KENAI	C:	0	416	0	81623	0	0	1684192	40198	0	2334	106635	0	0	0	0	1915398
	E:	0	566	0	32585	0	0	495243	16346	0	340	20954	0	0	0	0	566034
	O:	0	60	0	3499	0	0	52849	1746	0	36	2236	0	0	0	0	60426
	T:	0	1042	0	117707	0	0	2232284	58290	0	2710	129825	0	0	0	0	2541858
KASILOF	C:	0	1010	0	131681	77	0	317733	39280	0	0	41079	0	0	0	0	530860
	E:	0	1348	0	51563	337	0	91667	15671	0	0	7920	0	0	0	0	168506
	O:	0	173	0	6600	43	0	11732	2006	0	0	1014	0	0	0	0	21568
	T:	0	2531	0	189844	457	0	421132	56957	0	0	50013	0	0	0	0	720934
CRESENT	C:	0	17	0	2259	22	0	16864	577	0	7	2104	0	0	0	0	21850
	E:	0	0	0	7605	0	0	46694	472	0	59	4127	0	0	0	0	58957
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	17	0	9864	22	0	63558	1049	0	66	6231	0	0	0	0	80807
	C:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hidden E	C:	0	0	0	537	0	0	237	53	0	0	0	0	0	0	0	827
	E:	0	0	0	206	0	0	68	21	0	0	0	0	0	0	0	295
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	0	0	743	0	0	305	74	0	0	0	0	0	0	0	1122
	C:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FISH	C:	0	481	0	8201	0	0	42143	780	0	0	1499	0	0	0	0	53104
	E:	0	1963	0	6701	0	0	18281	533	0	0	561	0	0	0	0	28039
	O:	0	9	0	30	0	0	82	2	0	0	3	0	0	0	0	126
	T:	0	2453	0	14932	0	0	60506	1315	0	0	2063	0	0	0	0	81269
UNALLO	C:	0	0	0	0	0	0	0	0	103	0	0	0	0	0	0	103
	E:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	0	0	0	0	0	0	0	103	0	0	0	0	0	0	103
OTHER	C:	0	12	0	12834	0	0	309041	5061	0	1783	31500	0	0	0	0	360231
	E:	0	48	0	10581	0	0	135261	3489	0	275	11890	0	0	0	0	161544
	O:	0	4	0	402	0	0	3625	131	0	6	327	0	0	0	0	4495
	T:	0	64	0	23817	0	0	447927	8681	0	2064	43717	0	0	0	0	526270
SUMMARY	C:	0	2998	0	291286	223	0	2628911	95042	103	4124	237176	0	0	0	0	3259863
	E:	0	8239	0	153319	1275	0	899004	42722	0	674	65709	0	0	0	0	1170942
	O:	0	302	0	11098	55	0	69727	3965	0	42	3841	0	0	0	0	89030
	T:	0	11539	0	455703	1553	0	3597642	141729	103	4840	306726	0	0	0	0	4519835

Table 1. (continued)

UPPER COOK INLET SOCKEYE TOTAL RUN - 1983

SYSTEM		0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	2.4	3.3	3.4	TOTAL
		AGE CLASS															
SUSITNA	C:	4032	144	6322	184494	111	74	160566	8279	0	1095	7572	0	0	0	0	372689
	E:	482	4800	482	112629	1273	585	46662	2925	0	206	2013	0	0	0	0	172057
	O:	12	118	12	2777	31	14	1150	72	0	5	50	0	0	0	0	4241
	T:	4526	5062	6816	299900	1415	673	208378	11276	0	1306	9635	0	0	0	0	548987
KENAI	C:	0	903	26296	161652	350	0	2487543	40375	0	16226	257560	0	0	0	0	2990905
	E:	0	1726	1670	46870	2728	0	439754	12302	0	1447	49598	0	557	0	0	556652
	O:	0	294	284	7985	465	0	74914	2096	0	247	8449	0	95	0	0	94829
	T:	0	2923	28250	216507	3543	0	3002211	54773	0	17920	315607	0	652	0	0	3642386
KASILOF	C:	0	0	0	337959	0	0	371020	83535	0	0	46148	0	0	0	0	838662
	E:	0	0	0	98971	0	0	66248	25707	0	0	8976	0	0	0	0	199902
	O:	0	0	0	15711	0	0	10516	4081	0	0	1425	0	0	0	0	31733
	T:	0	0	0	452641	0	0	447784	113323	0	0	56549	0	0	0	0	1070297
CRESENT	C:	0	0	121	10029	0	0	30510	9123	0	181	10452	0	0	0	0	60416
	E:	0	0	0	10041	553	0	38968	25241	0	184	17135	0	0	0	0	92122
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	0	121	20070	553	0	69478	34364	0	365	27587	0	0	0	0	152538
	C:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hidden E	C:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	C:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FISH	C:	0	347	0	174812	50	0	3439	5141	0	0	734	0	0	0	0	184523
	E:	0	10717	0	98664	530	0	924	1679	0	0	180	0	0	0	0	112694
	O:	0	580	0	5342	29	0	50	91	0	0	10	0	0	0	0	6102
	T:	0	11644	0	278818	609	0	4413	6911	0	0	924	0	0	0	0	303319
UNALLO	C:	0	0	0	0	0	0	0	0	0	0	0	0	228	0	0	228
	E:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	0	0	0	0	0	0	0	0	0	0	0	228	0	0	228
OTHER	C:	1504	0	37735	43569	0	0	455150	11191	0	3811	49349	0	0	0	0	602309
	E:	184	0	2946	27254	0	0	135532	4051	0	737	13443	0	0	0	0	184147
	O:	9	2	114	1481	1	0	5694	256	0	35	603	0	0	0	0	8195
	T:	1697	2	40795	72304	1	0	596376	15498	0	4583	63395	0	0	0	0	794651
SUMMARY	C:	5536	1394	70474	912515	511	74	3508228	157644	0	21313	371815	0	228	0	0	5049732
	E:	666	17243	5098	394429	5084	585	728088	71905	0	2574	91345	0	557	0	0	1317574
	O:	21	994	410	33296	526	14	92324	6596	0	287	10537	0	95	0	0	145100
	T:	6223	19631	75982	1340240	6121	673	4328640	236145	0	24174	473697	0	880	0	0	6512406

Table 1. (continued)

UPPER COOK INLET SOCKEYE TOTAL RUN - 1984

SYSTEM		0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	2.4	3.3	3.4	TOTAL
		AGE CLASS															
SUSITNA	C:	633	208	15997	66872	0	0	264876	16727	0	216	26558	0	0	0	0	392087
	E:	1323	6283	5181	110976	1736	0	125389	13807	0	138	10748	0	0	0	0	275581
	O:	20	95	78	1681	26	0	1900	209	0	2	163	0	0	0	0	4174
	T:	1976	6586	21256	179529	1762	0	392165	30743	0	356	37469	0	0	0	0	671842
KENAI	C:	324	0	11697	88034	181	0	334507	73219	0	20099	172927	1495	0	121	0	702604
	E:	310	0	3405	71497	1548	0	116996	40856	0	11142	60355	3095	0	310	0	309514
	O:	38	0	414	8702	188	0	14240	4973	0	1356	7346	377	0	38	0	37672
	T:	672	0	15516	168233	1917	0	465743	119048	0	32597	240628	4967	0	469	0	1049790
KASILOF	C:	0	0	0	144010	54	0	164221	74296	0	0	43796	0	0	0	0	426377
	E:	0	0	0	110969	439	0	54496	39334	0	0	14503	0	0	0	0	219741
	O:	0	0	0	20225	80	0	9932	7169	0	0	2643	0	0	0	0	40049
	T:	0	0	0	275204	573	0	228649	120799	0	0	60942	0	0	0	0	686167
CRESENT	C:	0	0	120	6215	120	0	30836	21633	0	239	59999	120	239	0	0	119521
	E:	0	0	0	4142	0	0	20000	23669	0	0	70297	237	0	0	0	118345
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	0	120	10357	120	0	50836	45302	0	239	130296	357	239	0	0	237866
	C:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hidden E	C:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	C:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FISH	C:	0	44	0	96474	0	0	22895	17738	0	0	3759	327	0	0	0	141237
	E:	0	1342	0	161393	1342	0	10926	14759	0	0	1533	383	0	0	0	191678
	O:	0	5	0	568	5	0	38	52	0	0	5	1	0	0	0	674
	T:	0	1391	0	258435	1347	0	33859	32549	0	0	5297	711	0	0	0	333589
UNALLO	C:	0	0	0	0	0	74	0	0	0	0	0	0	0	0	91	165
	E:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	0	0	0	0	74	0	0	0	0	0	0	0	0	91	165
OTHER	C:	41	1	10643	16949	0	0	200317	15786	0	3221	75466	30	2263	6	0	324723
	E:	87	17	3499	28554	0	0	96265	13227	0	2082	31003	35	175	17	0	174961
	O:	4	1	156	1702	1	0	4138	892	0	97	1555	8	10	1	0	8565
	T:	132	19	14298	47205	1	0	300720	29905	0	5400	108024	73	2448	24	0	508249
SUMMARY	C:	998	253	38457	418554	355	74	1017652	219399	0	23775	382505	1972	2502	127	91	2106714
	E:	1720	7642	12085	487531	5065	0	424072	145652	0	13362	188439	3750	175	327	0	1289820
	O:	62	101	648	32878	300	0	30248	13295	0	1455	11712	386	10	39	0	91134
	T:	2780	7996	51190	938963	5720	74	1471972	378346	0	38592	582656	6108	2687	493	91	3487668

Table 1. (continued)

UPPER COOK INLET SOCKEYE TOTAL RUN - 1985

SYSTEM		0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	2.4	3.3	3.4	TOTAL
		AGE CLASS															
SUSITNA	C:	1961	743	19516	75341	286	123	246934	13963	0	2968	13084	146	0	0	0	375065
	E:	4293	12676	4610	89955	926	113	96937	10846	90	859	4564	90	0	0	0	225959
	O:	38	113	41	799	8	1	861	96	1	8	41	1	0	0	0	2008
	T:	6292	13532	24167	166095	1220	237	344732	24905	91	3835	17689	237	0	0	0	603032
KENAI	C:	1002	586	6335	156482	1336	0	1114600	147119	0	8543	200025	2705	0	0	0	1638733
	E:	1980	396	792	62969	396	396	223362	58217	0	1188	45148	1188	0	0	0	396032
	O:	582	116	233	18512	116	116	65665	17115	0	349	13273	349	0	0	0	116426
	T:	3564	1098	7360	237963	1848	512	1403627	222451	0	10080	258446	4242	0	0	0	2151191
KASILOF	C:	0	1220	0	588110	1391	0	448515	185461	0	2965	47493	0	0	0	0	1275155
	E:	0	987	0	283150	493	0	107538	87806	0	493	12826	0	0	0	0	493293
	O:	0	80	0	23082	40	0	8766	7158	0	40	1046	0	0	0	0	40212
	T:	0	2287	0	894342	1924	0	564819	280425	0	3498	61365	0	0	0	0	1808660
CRESENT	C:	181	0	361	8856	181	0	82058	16086	0	723	72298	0	0	0	0	180744
	E:	0	257	0	6046	386	0	40261	26369	0	0	55310	0	0	0	0	128629
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	181	257	361	14902	567	0	122319	42455	0	723	127608	0	0	0	0	309373
	C:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hidden E	C:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	C:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FISH	C:	0	270	0	32241	43	0	58979	3591	0	0	1599	0	0	0	0	96723
	E:	0	4517	0	37782	137	0	22724	2738	0	0	548	0	0	0	0	68446
	O:	0	117	0	983	4	0	591	71	0	0	14	0	0	0	0	1780
	T:	0	4904	0	71006	184	0	82294	6400	0	0	2161	0	0	0	0	166949
UNALLO	C:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OTHER	C:	97	0	13530	23555	0	0	371229	16457	0	3682	61686	344	3428	0	0	494008
	E:	215	0	3224	28373	0	0	147026	12897	0	1075	21710	215	215	0	0	214950
	O:	6	5	75	1677	6	0	4403	726	0	36	751	6	6	0	0	7697
	T:	318	5	16829	53605	6	0	522658	30080	0	4793	84147	565	3649	0	0	716655
SUMMARY	C:	3241	2819	39742	884585	3237	123	2322315	382677	0	18881	396185	3195	3428	0	0	4060428
	E:	6488	18833	8626	508275	2338	509	637848	198873	90	3615	140106	1493	215	0	0	1527309
	O:	626	431	349	45053	174	117	80286	25166	1	433	15125	356	6	0	0	168123
	T:	10355	22083	48717	1437913	5749	749	3040449	606716	91	22929	551416	5044	3649	0	0	5755860

Table 1. (continued)

UPPER COOK INLET SOCKEYE TOTAL RUN - 1986

SYSTEM		0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	2.4	3.3	3.4	TOTAL
		AGE CLASS															
SUSITNA	C:	1932	0	7356	66522	132	0	403977	23515	0	561	37680	0	0	0	0	541675
	E:	1762	0	1866	36693	536	0	112842	8171	0	259	10624	0	0	0	0	172753
	O:	71	0	76	1486	22	0	4570	331	0	10	430	0	0	0	0	6996
	T:	3765	0	9298	104701	690	0	521389	32017	0	830	48734	0	0	0	0	721424
KENAI	C:	661	0	29472	517853	0	0	970468	219367	0	10020	422652	0	1359	0	0	2171852
	E:	410	0	5336	121887	1231	0	161221	33049	0	2873	73885	0	410	0	0	400302
	O:	103	0	1342	32820	310	0	40767	8463	0	722	18577	0	103	0	0	103207
	T:	1174	0	36150	672560	1541	0	1172456	260879	0	13615	515114	0	1872	0	0	2675361
KASILOF	C:	503	0	0	453893	0	0	658635	205992	0	2906	68224	0	948	0	0	1391101
	E:	316	0	0	107679	211	0	110683	31379	0	843	12067	0	290	0	0	263468
	O:	75	0	0	25505	50	0	26217	7433	0	200	2858	0	69	0	0	62407
	T:	894	0	0	587077	261	0	795535	244804	0	3949	83149	0	1307	0	0	1716976
CRESENT	C:	0	0	375	5707	300	0	17122	14343	0	0	36646	601	0	0	0	75094
	E:	0	0	0	6216	0	0	15110	12432	0	0	61204	669	0	0	0	95631
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	0	375	11923	300	0	32232	26775	0	0	97850	1270	0	0	0	170725
	C:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hidden E	C:	0	0	0	38843	0	0	5716	4193	0	0	0	0	0	0	0	48752
	E:	0	0	0	8642	0	0	915	610	0	0	0	0	0	0	0	10167
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	0	0	47485	0	0	6631	4803	0	0	0	0	0	0	0	58919
	C:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FISH	C:	0	423	0	28185	208	0	18860	8451	0	106	1200	0	0	0	0	57433
	E:	0	3836	0	16133	875	0	5467	3048	0	51	351	0	0	0	0	29761
	O:	0	5	0	21	1	0	7	4	0	0	0	0	0	0	0	38
	T:	0	4264	0	44339	1084	0	24334	11503	0	157	1551	0	0	0	0	87232
UNALLO	C:	0	0	0	0	0	106	0	0	1033	0	0	1436	0	106	0	2681
	E:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	0	0	0	0	106	0	0	1033	0	0	1436	0	106	0	2681
OTHER	C:	171	0	6765	50342	0	0	328385	37261	0	675	75797	0	0	0	0	499396
	E:	162	0	1785	28892	0	0	95441	13472	0	325	22237	0	0	0	0	162314
	O:	4	1	54	1432	1	0	2963	633	0	18	792	1	3	0	0	5902
	T:	337	1	8604	80666	1	0	426789	51366	0	1018	98826	1	3	0	0	667612
SUMMARY	C:	3267	423	43968	1161345	640	106	2403163	513122	1033	14268	642199	2037	2307	106	0	4787984
	E:	2650	3836	8987	326142	2853	0	501679	102161	0	4351	180368	669	700	0	0	1134396
	O:	253	6	1472	61264	384	0	74524	16864	0	950	22657	1	175	0	0	178550
	T:	6170	4265	54427	1548751	3877	106	2979366	632147	1033	19569	845224	2707	3182	106	0	6100930

Table 1. (continued)

UPPER COOK INLET SOCKEYE TOTAL RUN - 1987

SYSTEM		0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	2.4	3.3	3.4	TOTAL
		AGE CLASS															
SUSITNA	C:	3185	63	16139	36913	0	0	186434	23398	0	1371	52298	0	0	0	0	319801
	E:	1642	1119	3022	29005	0	0	62972	10734	0	1294	14589	0	0	0	0	124377
	O:	56	38	103	992	0	0	2154	367	0	44	499	0	0	0	0	4253
	T:	4883	1220	19264	66910	0	0	251560	34499	0	2709	67386	0	0	0	0	448431
KENAI	C:	0	0	22633	372296	0	0	5865179	198876	0	4146	487474	0	0	0	0	6950604
	E:	0	0	1828	146779	0	1828	1077704	32095	0	1969	71176	0	0	0	0	1333379
	O:	0	0	344	34993	0	344	231398	21392	0	371	16397	0	0	0	0	305239
	T:	0	0	24805	554068	0	2172	7174281	252363	0	6486	575047	0	0	0	0	8589222
KASILOF	C:	0	0	0	266428	250	0	350729	238674	0	0	101932	0	0	0	0	958013
	E:	0	568	0	102593	189	0	64940	52989	0	0	15194	189	0	0	0	236662
	O:	0	117	0	21053	39	0	13327	10874	0	0	3118	39	0	0	0	48567
	T:	0	685	0	390074	478	0	428996	302537	0	0	120244	228	0	0	0	1243242
CRESENT	C:	0	0	295	7251	102	0	51852	7840	0	295	33715	102	102	0	0	101554
	E:	0	0	0	3115	0	0	56642	4982	0	0	53539	0	618	0	0	118896
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	0	295	10366	102	0	108494	12822	0	295	87254	102	720	0	0	220450
	C:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hidden E	C:	0	0	0	86843	0	0	5545	2242	0	0	0	0	0	0	0	94630
	E:	0	0	0	31311	0	0	978	326	0	0	0	0	0	0	0	32615
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	0	0	118154	0	0	6523	2568	0	0	0	0	0	0	0	127245
	C:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FISH	C:	0	2020	0	146459	0	0	9922	13169	0	0	0	0	0	0	0	171570
	E:	0	5930	0	77044	0	0	2440	4297	0	0	0	0	0	0	0	89711
	O:	0	245	0	3181	0	0	101	177	0	0	0	0	0	0	0	3704
	T:	0	8195	0	226684	0	0	12463	17643	0	0	0	0	0	0	0	264985
UNALLO	C:	0	0	0	0	531	0	0	0	0	0	0	41	0	0	0	572
	E:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	0	0	0	531	0	0	0	0	0	0	41	0	0	0	572
OTHER	C:	61	0	9645	32906	0	0	757618	24037	0	235	78942	0	0	0	0	903444
	E:	33	0	1868	26741	0	0	264654	11404	0	229	22775	0	0	0	0	327704
	O:	2	2	37	727	0	0	5539	390	0	5	578	0	0	0	0	7280
	T:	96	2	11550	60374	0	0	1027811	35831	0	469	102295	0	0	0	0	1238428
SUMMARY	C:	3246	2083	48712	949096	883	0	7227279	508236	0	6047	754361	143	102	0	0	9500188
	E:	1675	7617	6718	416588	189	1828	1530330	116827	0	3492	177273	189	618	0	0	2263344
	O:	58	402	484	60946	39	344	252519	33200	0	420	20592	39	0	0	0	369043
	T:	4979	10102	55914	1426630	1111	2172	9010128	658263	0	9959	952226	371	720	0	0	12132575

Table 1. (continued)

UPPER COOK INLET SOCKEYE TOTAL RUN - 1988

SYSTEM		0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	2.4	3.3	3.4	TOTAL
		AGE CLASS															
SUSITNA	C:	2769	29	9969	52497	1506	0	126269	24982	0	571	38913	0	446	0	0	257951
	E:	2654	400	2371	32714	1698	0	40900	6381	0	224	10166	0	59	0	0	97567
	O:	123	19	110	1519	79	0	1899	296	0	10	472	0	3	0	0	4530
	T:	5546	448	12450	86730	3283	0	169068	31659	0	805	49551	0	508	0	0	360048
KENAI	C:	0	195	2812	245115	2215	0	3571245	226743	0	19039	639110	0	0	0	0	4706474
	E:	0	2515	629	66465	1691	0	646881	26851	0	3143	90676	0	0	0	0	838851
	O:	0	475	119	20280	552	0	143355	5454	0	594	18339	0	0	0	0	189168
	T:	0	3185	3560	331860	4458	0	4361481	259048	0	22776	748125	0	0	0	0	5734493
KASILOF	C:	0	7	0	178838	181	0	275063	206339	0	1361	117377	0	2546	0	0	781712
	E:	0	85	0	47799	156	0	51686	24843	0	227	17011	0	71	0	0	141878
	O:	0	15	0	8458	28	0	9146	4396	0	40	3010	0	13	0	0	25106
	T:	0	107	0	235095	365	0	335895	235578	0	1628	137398	0	2630	0	0	948696
CRESENT	C:	0	0	247	15728	123	0	55178	13859	0	0	17598	0	0	0	0	102733
	E:	0	0	0	5997	75	0	25943	10279	0	312	15035	75	0	0	0	57716
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	0	247	21725	198	0	81121	24138	0	312	32633	75	0	0	0	160449
	C:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hidden E	C:	0	0	0	149300	0	0	9143	6842	0	0	0	0	0	0	0	165285
	E:	0	0	0	37325	0	0	1588	794	0	0	0	0	0	0	0	39707
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	0	0	186625	0	0	10731	7636	0	0	0	0	0	0	0	204992
	C:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FISH	C:	0	6250	0	178649	694	0	5186	7234	0	0	0	0	0	0	0	198013
	E:	0	9353	0	57412	353	0	947	1065	0	0	0	0	0	0	0	69130
	O:	0	741	0	4546	28	0	75	84	0	0	0	0	0	0	0	5474
	T:	0	16344	0	240607	1075	0	6208	8383	0	0	0	0	0	0	0	272617
UNALLO	C:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OTHER	C:	147	4	3048	33508	161	0	427636	52031	0	1025	103585	417	613	0	0	622175
	E:	147	63	759	21850	190	0	144946	13907	0	421	28319	21	84	0	0	210707
	O:	2	5	13	702	4	0	3676	443	0	18	754	0	3	0	0	5620
	T:	296	72	3820	56060	355	0	576258	66381	0	1464	132658	438	700	0	0	838502
SUMMARY	C:	2916	6485	16076	853635	4880	0	4469720	538030	0	21996	916583	417	3605	0	0	6834343
	E:	2801	12416	3759	269562	4163	0	912891	84120	0	4327	161207	96	214	0	0	1455556
	O:	125	1255	242	35505	691	0	158151	10673	0	662	22575	0	19	0	0	229898
	T:	5842	20156	20077	1158702	9734	0	5540762	632823	0	26985	1100365	513	3838	0	0	8519797

Table 1. (continued)

UPPER COOK INLET SOCKEYE TOTAL RUN - 1989

SYSTEM		AGE CLASS 0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	2.4	3.3	3.4	TOTAL
SUSITNA	C:	2067	773	10128	14928	166	0	61983	3726	0	58	6263	0	0	0	0	100092
	E:	7614	1232	11476	37333	883	0	98812	10188	0	552	15816	0	0	0	0	183906
	O:	161	26	242	789	19	0	2088	215	0	12	334	0	0	0	0	3886
	T:	9842	2031	21846	53050	1068	0	162883	14129	0	622	22413	0	0	0	0	287884
KENAI	C:	46	148	3422	168872	468	0	989073	475958	183	27721	2476229	0	1994	0	0	4144114
	E:	972	2778	833	69803	11250	0	328983	102903	4306	12639	794914	0	4306	0	0	1333687
	O:	230	657	197	26882	2660	0	128853	26926	1018	2989	192198	0	1018	0	0	383628
	T:	1248	3583	4452	265557	14378	0	1446909	605787	5507	43349	3463341	0	7318	0	0	5861429
KASILOF	C:	0	0	0	44750	4	0	130867	230384	0	183	56050	0	0	0	0	462238
	E:	0	0	0	22347	105	0	52837	54813	0	90	19488	0	0	0	0	149680
	O:	0	0	0	3274	15	0	7740	8030	0	13	2855	0	0	0	0	21927
	T:	0	0	0	70371	124	0	191444	293227	0	286	78393	0	0	0	0	633845
CRESENT	C:	0	0	78	391	0	0	25375	1100	0	78	28598	78	78	78	0	55854
	E:	0	0	99	497	0	0	32284	1400	0	99	36385	99	99	99	0	71061
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	0	177	888	0	0	57659	2500	0	177	64983	177	177	177	0	126915
	C:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hidden E	C:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	C:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FISH	C:	0	4763	0	54273	2558	0	26709	8656	0	0	4913	262	0	0	0	102134
	E:	0	2440	0	35764	2300	0	13685	5960	0	0	3253	133	0	0	0	63535
	O:	0	334	0	4891	315	0	1872	815	0	0	445	18	0	0	0	8690
	T:	0	7537	0	94928	5173	0	42266	15431	0	0	8611	413	0	0	0	174359
UNALLO	C:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OTHER	C:	355	649	1656	11168	452	0	58054	10584	26	235	57952	22	298	4815	0	146266
	E:	1334	1056	1916	28522	2461	0	94504	29550	744	2298	149434	36	759	15	0	312629
	O:	3	7	16	314	4	0	1380	780	0	30	2809	0	3	5	0	5351
	T:	1692	1712	3588	40004	2917	0	153938	40914	770	2563	210195	58	1060	4835	0	464246
SUMMARY	C:	2468	6333	15284	294382	3648	0	1292061	730408	209	28275	2630005	362	2370	4893	0	5010698
	E:	9920	7506	14324	194266	16999	0	621105	204814	5050	15678	1019290	268	5164	114	0	2114498
	O:	394	1024	455	36150	3013	0	141933	36766	1018	3044	198641	18	1021	5	0	423482
	T:	12782	14863	30063	524798	23660	0	2055099	971988	6277	46997	3847936	648	8555	5012	0	7548678

Table 1. (continued)

UPPER COOK INLET SOCKEYE TOTAL RUN - 1990

SYSTEM		AGE CLASS 0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	2.4	3.3	3.4	TOTAL
SUSITNA	C:	3890	83	18820	66347	9	0	327243	22187	0	2243	58048	557	247	0	0	499674
	E:	1190	679	4405	87786	112	0	130929	22711	0	1330	20392	382	98	0	0	270014
	O:	10	8	44	1237	1	0	1785	279	0	13	262	4	1	0	0	3644
	T:	5090	770	23269	155370	122	0	459957	45177	0	3586	78702	943	346	0	0	773332
KENAI	C:	0	275	9746	86077	394	0	1120511	105553	0	13280	674677	3918	8394	0	0	2022825
	E:	0	3294	1508	65793	830	0	227745	26475	0	3350	107377	1284	1396	0	0	439052
	O:	0	733	336	27077	1286	0	53807	59196	0	746	36659	286	311	0	0	180437
	T:	0	4302	11590	178947	2510	0	1402063	191224	0	17376	818713	5488	10101	0	0	2642314
KASILOF	C:	0	41	482	60932	0	0	125068	82657	0	1281	87993	759	0	0	0	359213
	E:	0	548	82	45093	0	0	28303	45463	0	356	16941	274	0	0	0	137060
	O:	0	60	9	4910	0	0	3082	4951	0	39	1845	30	0	0	0	14926
	T:	0	649	573	110935	0	0	156453	133071	0	1676	106779	1063	0	0	0	511199
CRESENT	C:	0	0	0	771	0	0	8710	1736	0	96	10318	0	63	33	0	21727
	E:	0	0	178	2121	89	0	26871	1766	0	178	20947	0	89	0	0	52239
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	0	178	2892	89	0	35581	3502	0	274	31265	0	152	33	0	73966
	C:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hidden E	C:	0	0	0	93265	0	0	6485	47333	0	0	0	0	0	0	0	147083
	E:	0	0	0	54306	0	0	1263	7578	0	0	0	0	0	0	0	63147
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	0	0	147571	0	0	7748	54911	0	0	0	0	0	0	0	210230
	C:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FISH	C:	0	233	0	31286	209	0	68732	24885	54	0	14652	0	0	0	0	140051
	E:	0	324	0	17272	324	0	14248	11331	107	0	2700	0	0	0	0	46306
	O:	0	62	0	3324	62	0	2742	2181	20	0	520	0	0	0	0	8911
	T:	0	619	0	51882	595	0	85722	38397	181	0	17872	0	0	0	0	195268
UNALLO	C:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	197	197
	E:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	197	197
OTHER	C:	1203	0	12037	11775	0	1179	238977	11853	0	1298	132020	306	935	1710	0	413293
	E:	371	0	2845	15799	0	88	96917	12282	0	778	46974	212	371	88	0	176725
	O:	6	1	48	406	1	1	2197	343	0	21	1133	6	11	2	0	4176
	T:	1580	1	14930	27980	1	1268	338091	24478	0	2097	180127	524	1317	1800	0	594194
SUMMARY	C:	5093	632	41085	350453	612	1179	1895726	296204	54	18198	977708	5540	9639	1743	197	3604063
	E:	1561	4845	9018	288170	1355	88	526276	127606	107	5992	215331	2152	1954	88	0	1184543
	O:	16	864	437	36954	1350	1	63613	66950	20	819	40419	326	323	2	0	212094
	T:	6670	6341	50540	675577	3317	1268	2485615	490760	181	25009	1233458	8018	11916	1833	197	5000700

Table 1. (continued)

UPPER COOK INLET SOCKEYE TOTAL RUN - 1991

SYSTEM		0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	2.4	3.3	3.4	TOTAL
		AGE CLASS															
SUSITNA	C:	147:	7:	15175:	21092:	190:	144:	185783:	11288:	0:	166:	34260:	0:	0:	0:	0:	268252:
	E:	2279:	191:	12070:	48590:	202:	76:	116227:	11636:	0:	65:	17884:	0:	65:	0:	0:	209285:
	O:	46:	5:	252:	1276:	5:	2:	3302:	290:	0:	1:	445:	0:	1:	0:	0:	5625:
	T:	2472:	203:	27497:	70958:	397:	222:	305312:	23214:	0:	232:	52589:	0:	66:	0:	0:	483162:
KENAI	C:	187:	80:	20001:	209740:	240:	1028:	504076:	62420:	0:	3094:	244548:	0:	222:	0:	0:	1045636:
	E:	104:	384:	11127:	146222:	1859:	466:	151861:	11057:	0:	776:	51724:	362:	207:	0:	0:	376149:
	O:	36:	384:	3894:	161211:	1215:	163:	66675:	27429:	0:	272:	28129:	127:	72:	0:	0:	289607:
	T:	327:	848:	35022:	517173:	3314:	1657:	722612:	100906:	0:	4142:	324401:	489:	501:	0:	0:	1711392:
KASILOF	C:	135:	0:	435:	67000:	12:	0:	194987:	129839:	0:	668:	44589:	0:	0:	0:	0:	437665:
	E:	91:	0:	297:	71947:	137:	0:	76190:	66039:	0:	205:	13208:	0:	0:	0:	0:	228114:
	O:	9:	0:	30:	7366:	14:	0:	7800:	6761:	0:	21:	1352:	0:	0:	0:	0:	23353:
	T:	235:	0:	762:	146313:	163:	0:	278977:	202639:	0:	894:	59149:	0:	0:	0:	0:	689132:
CRESENT	C:	0:	0:	0:	1008:	0:	0:	8195:	2485:	0:	134:	5373:	0:	0:	0:	0:	17195:
	E:	0:	0:	250:	6620:	0:	0:	22472:	7494:	0:	125:	7369:	125:	125:	0:	0:	44580:
	O:	0:	0:	1:	37:	0:	0:	125:	42:	0:	1:	41:	1:	1:	0:	0:	249:
	T:	0:	0:	251:	7665:	0:	0:	30792:	10021:	0:	260:	12783:	126:	126:	0:	0:	62024:
	C:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
	E:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
	O:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
	T:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
Hidden E	C:	0:	0:	0:	74958:	0:	0:	8605:	7979:	0:	0:	0:	0:	0:	0:	0:	91542:
	E:	0:	0:	0:	29586:	0:	0:	2301:	986:	0:	0:	0:	0:	0:	0:	0:	32873:
	O:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
	T:	0:	0:	0:	104544:	0:	0:	10906:	8965:	0:	0:	0:	0:	0:	0:	0:	124415:
	C:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
	E:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
	O:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
	T:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
FISH	C:	0:	856:	0:	36631:	0:	0:	16021:	3994:	0:	0:	2904:	0:	0:	0:	0:	60406:
	E:	0:	3720:	0:	44793:	0:	0:	6344:	2484:	0:	0:	968:	0:	0:	0:	0:	58309:
	O:	0:	1166:	0:	14043:	0:	0:	1989:	779:	0:	0:	303:	0:	0:	0:	0:	18280:
	T:	0:	5742:	0:	95467:	0:	0:	24354:	7257:	0:	0:	4175:	0:	0:	0:	0:	136995:
UNALLO	C:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	177:	0:	95:	0:	272:
	E:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
	O:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
	T:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	177:	0:	95:	0:	272:
OTHER	C:	0:	0:	5536:	10636:	17:	437:	158672:	10610:	0:	1544:	68431:	0:	0:	0:	710:	256593:
	E:	0:	0:	4495:	25147:	18:	235:	102086:	11211:	0:	614:	36610:	0:	0:	0:	108:	180524:
	O:	1:	2:	76:	2010:	13:	3:	3232:	660:	0:	11:	1673:	0:	0:	0:	1:	7682:
	T:	1:	2:	10107:	37793:	48:	675:	263990:	22481:	0:	2169:	106714:	0:	0:	0:	819:	444799:
SUMMARY	C:	469:	943:	41147:	421065:	459:	1609:	1076339:	228615:	0:	5606:	400105:	177:	222:	95:	710:	2177561:
	E:	2474:	4295:	28239:	372905:	2216:	777:	477481:	110907:	0:	1785:	127763:	487:	397:	0:	108:	1129834:
	O:	92:	1557:	4253:	185943:	1247:	168:	83123:	35961:	0:	306:	31943:	128:	74:	0:	1:	344796:
	T:	3035:	6795:	73639:	979913:	3922:	2554:	1636943:	375483:	0:	7697:	559811:	792:	693:	95:	819:	3652191:

Table 1. (continued)

UPPER COOK INLET SOCKEYE TOTAL RUN - 1992

SYSTEM		AGE CLASS 0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	2.4	3.3	3.4	TOTAL
SUSITNA	C:	613	1568	12527	36178	85	0	204570	33857	0	162	66799	18	1902	241	0	358520
	E:	1117	685	489	34246	281	0	41268	26331	0	46	19654	261	112	65	0	124555
	O:	46	30	22	1978	11	0	2649	1739	0	2	1131	10	7	6	0	7631
	T:	1776	2283	13038	72402	377	0	248487	61927	0	210	87584	289	2021	312	0	490706
KENAI	C:	2651	0	0	12655	3252	0	5844429	188831	0	7983	581133	0	0	0	0	6640934
	E:	560	0	0	4143	1676	0	635230	26238	0	1760	82632	0	0	0	0	752239
	O:	197	0	0	8935	1029	0	226720	36059	0	621	36178	0	0	0	0	309739
	T:	3408	0	0	25733	5957	0	6706379	251128	0	10364	699943	0	0	0	0	7702912
KASILOF	C:	0	0	0	135280	454	0	370265	218773	0	0	155109	0	0	0	0	879881
	E:	0	0	0	37277	336	0	48519	62411	0	0	28210	0	0	0	0	176753
	O:	0	0	0	4627	42	0	6022	7747	0	0	3501	0	0	0	0	21939
	T:	0	0	0	177184	832	0	424806	288931	0	0	186820	0	0	0	0	1078573
CRESENT	C:	0	27	14	3691	27	0	12120	2675	0	0	8627	0	0	0	0	27181
	E:	0	0	0	1502	0	0	12607	7203	0	0	36020	600	0	297	0	58229
	O:	0	0	0	11	0	0	90	52	0	0	258	4	0	2	0	417
	T:	0	27	14	5204	27	0	24817	9930	0	0	44905	604	0	299	0	85827
	C:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hidden E	C:	0	0	0	82710	0	0	24863	8556	0	0	0	0	0	0	0	116129
	E:	0	0	0	16463	0	0	2610	1004	0	0	0	0	0	0	0	20077
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	0	0	99173	0	0	27473	9560	0	0	0	0	0	0	0	136206
	C:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FISH	C:	0	522	0	89961	181	0	25557	25295	0	0	2332	37	0	0	0	143885
	E:	0	149	0	53605	305	0	3515	12677	0	0	461	149	0	0	0	70861
	O:	0	53	0	19256	109	0	1263	4554	0	0	165	53	0	0	0	25453
	T:	0	724	0	162822	595	0	30335	42526	0	0	2958	239	0	0	0	240199
UNALLO	C:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OTHER	C:	11	0	16908	5925	0	0	842677	8925	0	811	65863	0	690	0	0	941810
	E:	22	0	690	5932	0	0	180906	7399	0	237	20494	0	43	0	0	215723
	O:	1	1	13	764	0	0	5199	2160	0	19	1282	0	1	0	0	9440
	T:	34	1	17611	12621	0	0	1028782	18484	0	1067	87639	0	734	0	0	1166973
SUMMARY	C:	3275	2117	29449	366400	3999	0	7324481	486912	0	8956	879863	55	2592	241	0	9108340
	E:	1699	834	1179	153168	2598	0	924655	143263	0	2043	187471	1010	155	362	0	1418437
	O:	244	84	35	35571	1191	0	241943	52311	0	642	42515	67	8	8	0	374619
	T:	5218	3035	30663	555139	7788	0	8491079	682486	0	11641	1109849	1132	2755	611	0	10901396

Table 1. (continued)

UPPER COOK INLET SOCKEYE TOTAL RUN - 1993

SYSTEM		0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	2.4	3.3	3.4	TOTAL
		AGE CLASS															
SUSITNA	C:	908	23	26980	60906	154	0	200468	44510	0	0	90902	0	1535	0	0	426386
	E:	2736	190	12460	86919	975	0	96263	31582	0	0	39356	0	379	0	0	270860
	O:	55	4	252	1761	20	0	1950	640	0	0	797	0	8	0	0	5487
	T:	3699	217	39692	149586	1149	0	298681	76732	0	0	131055	0	1922	0	0	702733
KENAI	C:	526	0	12830	171965	3053	0	1043120	181885	0	73238	1534771	516	7586	0	0	3029490
	E:	352	2042	2042	77214	42721	0	210855	32507	352	18519	282520	352	282	0	0	669758
	O:	86	497	497	24299	12167	0	55626	22955	86	4504	78059	86	68	0	0	198930
	T:	964	2539	15369	273478	57941	0	1309601	237347	438	96261	1895350	954	7936	0	0	3898178
KASILOF	C:	0	0	0	45144	31	0	186139	148444	0	0	171338	0	0	0	0	551096
	E:	0	491	0	22849	491	0	41757	39302	0	0	35375	0	0	0	0	140265
	O:	0	68	0	3152	68	0	5760	5421	0	0	4880	0	0	0	0	19349
	T:	0	559	0	71145	590	0	233656	193167	0	0	211593	0	0	0	0	710710
CRESENT	C:	0	0	0	4506	0	0	8598	7011	0	0	3802	12	0	0	0	23929
	E:	0	83	0	3312	323	0	13971	2178	0	0	17606	0	83	0	0	37556
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	83	0	7818	323	0	22569	9189	0	0	21408	12	83	0	0	61485
	C:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hidden E	C:	0	0	0	13616	0	0	3151	4655	0	0	0	0	0	0	0	21422
	E:	0	0	0	5374	0	0	605	739	0	0	0	0	0	0	0	6718
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	0	0	18990	0	0	3756	5394	0	0	0	0	0	0	0	28140
	C:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FISH	C:	0	539	0	105219	396	0	113036	47161	0	0	20471	0	0	0	0	286822
	E:	0	873	0	65249	582	0	28375	16673	0	0	4681	0	0	0	0	116433
	O:	0	289	0	21563	192	0	9377	5510	0	0	1547	0	0	0	0	38478
	T:	0	1701	0	192031	1170	0	150788	69344	0	0	26699	0	0	0	0	441733
UNALLO	C:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OTHER	C:	20	0	5463	10549	3	0	162305	24136	0	5772	204793	103	1328	1081	0	415553
	E:	63	0	2574	15359	21	0	79517	17473	0	3411	90461	21	335	21	0	209256
	O:	0	0	0	80	9	0	540	805	0	0	1840	0	0	0	0	3274
	T:	83	0	8037	25988	33	0	242362	42414	0	9183	297094	124	1663	1102	0	628083
SUMMARY	C:	1454	562	45273	411905	3637	0	1716817	457802	0	79010	2026077	631	10449	1081	0	4754698
	E:	3151	3679	17076	276276	45113	0	471343	140454	352	21930	469999	373	1079	21	0	1450846
	O:	141	858	749	50855	12456	0	73253	35331	86	4504	87123	86	76	0	0	265518
	T:	4746	5099	63098	739036	61206	0	2261413	633587	438	105444	2583199	1090	11604	1102	0	6471062

Table 1. (continued)

UPPER COOK INLET SOCKEYE TOTAL RUN - 1994

SYSTEM		AGE CLASS 0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	2.4	3.3	3.4	TOTAL
SUSITNA	C:	797:	20:	15088:	35004:	0:	345:	162373:	15890:	0:	239:	76707:	0:	0:	0:	0:	306463:
	E:	3089:	1544:	9609:	56945:	0:	760:	105825:	23852:	0:	392:	43119:	0:	0:	0:	0:	245135:
	O:	116:	58:	361:	2139:	0:	29:	3975:	896:	0:	15:	1620:	0:	0:	0:	0:	9209:
	T:	4002:	1622:	25058:	94088:	0:	1134:	272173:	40638:	0:	646:	121446:	0:	0:	0:	0:	560807:
KENAI	C:	581:	0:	4966:	112090:	2017:	0:	1547139:	284624:	406:	11128:	380965:	696:	9894:	0:	0:	2354506:
	E:	647:	2775:	647:	57901:	7470:	0:	562956:	140927:	647:	6937:	109577:	1387:	2775:	0:	0:	894646:
	O:	89:	382:	89:	9088:	1160:	0:	78758:	45557:	89:	956:	17546:	191:	382:	0:	0:	154287:
	T:	1317:	3157:	5702:	179079:	10647:	0:	2188853:	471108:	1142:	19021:	508088:	2274:	13051:	0:	0:	3403439:
KASILOF	C:	0:	0:	0:	95321:	0:	0:	146357:	92279:	0:	0:	109118:	0:	0:	0:	0:	443075:
	E:	0:	0:	0:	50376:	0:	0:	54056:	53808:	0:	0:	32434:	0:	0:	0:	0:	190674:
	O:	0:	0:	0:	6178:	0:	0:	6629:	6599:	0:	0:	3978:	0:	0:	0:	0:	23384:
	T:	0:	0:	0:	151875:	0:	0:	207042:	152686:	0:	0:	145530:	0:	0:	0:	0:	657133:
CRESENT	C:	24:	0:	0:	864:	47:	0:	6504:	1608:	0:	47:	4007:	0:	24:	0:	0:	13125:
	E:	55:	0:	0:	1997:	109:	0:	15044:	3718:	0:	109:	9267:	0:	55:	0:	0:	30354:
	O:	1:	0:	0:	30:	2:	0:	226:	56:	0:	2:	139:	0:	1:	0:	0:	457:
	T:	80:	0:	0:	2891:	158:	0:	21774:	5382:	0:	158:	13413:	0:	80:	0:	0:	43936:
	C:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
	E:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
	O:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
	T:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
Hidden E	C:	0:	0:	0:	4266:	0:	0:	3054:	719:	0:	0:	0:	0:	0:	0:	0:	8039:
	E:	0:	0:	0:	2045:	0:	0:	1056:	307:	0:	0:	0:	0:	0:	0:	0:	3408:
	O:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
	T:	0:	0:	0:	6311:	0:	0:	4110:	1026:	0:	0:	0:	0:	0:	0:	0:	11447:
	C:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
	E:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
	O:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
	T:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
FISH	C:	0:	466:	0:	42350:	372:	0:	29778:	18886:	0:	0:	12743:	0:	0:	0:	0:	104595:
	E:	0:	4820:	0:	48464:	1342:	0:	14441:	20083:	0:	0:	5359:	0:	0:	0:	0:	94509:
	O:	0:	1227:	0:	12336:	342:	0:	3676:	5112:	0:	0:	1364:	0:	0:	0:	0:	24057:
	T:	0:	6513:	0:	103150:	2056:	0:	47895:	44081:	0:	0:	19466:	0:	0:	0:	0:	223161:
UNALLO	C:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	446:	0:	446:
	E:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
	O:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
	T:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	446:	0:	446:
OTHER	C:	18:	0:	2445:	7487:	4:	0:	228483:	11165:	0:	237:	85777:	38:	1491:	0:	0:	337145:
	E:	71:	0:	1615:	12638:	24:	0:	154505:	17389:	0:	404:	50029:	24:	855:	0:	0:	237554:
	O:	2:	1:	29:	5338:	731:	0:	3231:	14143:	1:	15:	7301:	1:	17:	3:	0:	30813:
	T:	91:	1:	4089:	25463:	759:	0:	386219:	42697:	1:	656:	143107:	63:	2363:	3:	0:	605512:
SUMMARY	C:	1420:	486:	22499:	297382:	2440:	345:	2123688:	425171:	406:	11651:	669317:	734:	11409:	446:	0:	3567394:
	E:	3862:	9139:	11871:	230366:	8945:	760:	907883:	260084:	647:	7842:	249785:	1411:	3685:	0:	0:	1696280:
	O:	208:	1668:	479:	35109:	2235:	29:	96495:	72363:	90:	988:	31948:	192:	400:	3:	0:	242207:
	T:	5490:	11293:	34849:	562857:	13620:	1134:	3128066:	757618:	1143:	20481:	951050:	2337:	15494:	449:	0:	5505881:

Table 1. (continued)

UPPER COOK INLET SOCKEYE TOTAL RUN - 1995

SYSTEM		0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	2.4	3.3	3.4	TOTAL
		AGE CLASS															
SUSITNA	C:	895	17	14142	38551	81	0	221600	24612	0	2144	49572	963	0	0	0	352577
	E:	5094	1852	11810	45618	463	0	118791	19683	0	926	26861	463	0	0	0	231561
	O:	196	71	455	1758	18	0	4578	759	0	36	1035	18	0	0	0	8924
	T:	6185	1940	26407	85927	562	0	344969	45054	0	3106	77468	1444	0	0	0	593062
KENAI	C:	0	19	6561	324261	495	0	506687	103939	0	13390	633171	0	1952	0	0	1590475
	E:	0	1510	2265	166232	12580	0	140393	30294	0	2265	163729	0	1510	0	0	520778
	O:	0	500	749	58543	4571	0	48361	15483	0	749	61019	0	500	0	0	190475
	T:	0	2029	9575	549036	17646	0	695441	149716	0	16404	857919	0	3962	0	0	2301728
KASILOF	C:	0	4	0	153412	0	0	99832	139533	0	0	103429	0	0	0	0	496210
	E:	0	324	0	83870	0	0	29579	47803	0	0	29254	0	0	0	0	190830
	O:	0	83	0	21382	0	0	7541	12187	0	0	7458	0	0	0	0	48651
	T:	0	411	0	258664	0	0	136952	199523	0	0	140141	0	0	0	0	735691
CRESENT	C:	0	72	0	1791	37	0	3580	1826	0	107	11997	0	0	35	0	19445
	E:	0	194	0	4818	99	0	9630	4912	0	288	32276	0	0	94	0	52311
	O:	0	1	0	21	0	0	42	22	0	1	142	0	0	0	0	229
	T:	0	267	0	6630	136	0	13252	6760	0	396	44415	0	0	129	0	71985
	C:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hidden E	C:	0	0	0	9181	0	0	3003	6218	0	0	0	0	0	0	0	18402
	E:	0	0	0	3991	0	0	760	1584	0	0	0	0	0	0	0	6335
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	0	0	13172	0	0	3763	7802	0	0	0	0	0	0	0	24737
	C:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FISH	C:	0	1425	0	74006	462	0	60243	22415	0	0	28333	824	0	751	0	188459
	E:	0	7828	0	58244	1156	0	23176	12464	0	0	11010	286	0	286	0	114450
	O:	0	1382	0	10280	204	0	4091	2200	0	0	1943	51	0	51	0	20202
	T:	0	10635	0	142530	1822	0	87510	37079	0	0	41286	1161	0	1088	0	323111
UNALLO	C:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OTHER	C:	9	0	1779	29418	9	0	124971	20634	0	2444	106556	298	41	101	0	286260
	E:	56	0	1543	36153	56	0	69573	17138	0	1097	59964	149	93	56	0	185878
	O:	1	2	30	2761	755	0	2586	8621	51	24	12187	3	7	1	0	27029
	T:	66	2	3352	68332	820	0	197130	46393	51	3565	178707	450	141	158	0	499167
SUMMARY	C:	904	1537	22482	630620	1084	0	1019916	319177	0	18085	933058	2085	1993	887	0	2951828
	E:	5150	11708	15618	398926	14354	0	391902	133878	0	4576	323094	898	1603	436	0	1302143
	O:	197	2039	1234	94745	5548	0	67199	39272	51	810	83784	72	507	52	0	295510
	T:	6251	15284	39334	1124291	20986	0	1479017	492327	51	23471	1339936	3055	4103	1375	0	4549481

Table 1. (continued)

UPPER COOK INLET SOCKEYE TOTAL RUN - 1996

SYSTEM		AGE CLASS 0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	2.4	3.3	3.4	TOTAL
SUSITNA	C:	2290	101	6777	38469	243	0	125102	20474	0	0	64365	0	0	0	0	257821
	E:	5566	743	5566	44144	743	0	75653	16316	0	0	24112	0	0	0	0	172843
	O:	129	17	129	1024	17	0	1755	378	0	0	559	0	0	0	0	4008
	T:	7985	861	12472	83637	1003	0	202510	37168	0	0	89036	0	0	0	0	434672
KENAI	C:	0	0	5435	56438	1319	0	1819860	131547	0	7481	222056	554	9656	0	0	2254346
	E:	0	0	1803	26504	4418	0	460551	25131	933	1803	27287	792	3606	0	0	552828
	O:	0	0	952	36191	2517	0	252749	28369	492	952	24108	633	1904	0	0	348867
	T:	0	0	8190	119133	8254	0	2533160	185047	1425	10236	273451	1979	15166	0	0	3156041
KASILOF	C:	0	0	0	129476	0	0	337749	162350	0	0	65410	0	0	0	0	694985
	E:	0	0	0	58864	0	0	114434	50638	0	0	13134	0	0	0	0	237070
	O:	0	0	0	8989	0	0	17474	7733	0	0	2006	0	0	0	0	36202
	T:	0	0	0	197329	0	0	469657	220721	0	0	80550	0	0	0	0	968257
CRESENT	C:	0	0	0	3686	0	0	6140	5774	0	0	8414	0	123	0	0	24137
	E:	0	0	0	4387	0	0	7309	6872	0	0	10015	0	147	0	0	28730
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	0	0	8073	0	0	13449	12646	0	0	18429	0	270	0	0	52867
	C:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hidden E	C:	0	0	0	139704	0	0	15198	30690	0	0	0	0	0	0	0	185592
	E:	0	0	0	40095	0	0	3382	4831	0	0	0	0	0	0	0	48308
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	0	0	179799	0	0	18580	35521	0	0	0	0	0	0	0	233900
	C:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FISH	C:	0	253	0	94084	180	0	20562	29689	0	717	7570	175	0	0	0	153230
	E:	0	315	0	44427	158	0	5847	10590	0	158	1419	158	0	0	0	63072
	O:	0	85	0	12002	43	0	1579	2861	0	43	383	43	0	0	0	17039
	T:	0	653	0	150513	381	0	27988	43140	0	918	9372	376	0	0	0	233341
UNALLO	C:	0	0	0	0	0	0	0	0	0	0	0	0	0	38	0	38
	E:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	0	0	0	0	0	0	0	0	0	0	0	0	38	0	38
OTHER	C:	79	0	867	18132	25	0	218759	18308	0	1030	60938	12	479	0	0	318629
	E:	197	0	729	21290	79	0	135359	14928	0	473	23357	39	492	0	0	196943
	O:	4	97	21	780	484	0	5976	24726	0	15	9983	1	17	97	0	42201
	T:	280	97	1617	40202	588	0	360094	57962	0	1518	94278	52	988	97	0	557773
SUMMARY	C:	2369	354	13079	479989	1767	0	2543370	398832	0	9228	428753	741	10258	38	0	3888778
	E:	5763	1058	8098	239711	5398	0	802535	129306	933	2434	99324	989	4245	0	0	1299794
	O:	133	199	1102	58986	3061	0	279533	64067	492	1010	37039	677	1921	97	0	448317
	T:	8265	1611	22279	778686	10226	0	3625438	592205	1425	12672	565116	2407	16424	135	0	5636889

Table 1. (continued)

UPPER COOK INLET SOCKEYE TOTAL RUN - 1997

SYSTEM		AGE CLASS 0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	2.4	3.3	3.4	TOTAL
SUSITNA	C:	618	0	35283	57474	47	0	170208	12791	0	439	34060	0	0	1271	0	312191
	E:	3187	387	31335	96387	387	0	130104	13880	0	387	21416	0	0	387	0	297857
	O:	107	13	1051	3232	13	0	4363	465	0	13	718	0	0	13	0	9988
	T:	3912	400	67669	157093	447	0	304675	27136	0	839	56194	0	0	1671	0	620036
KENAI	C:	0	129	9235	64855	197	0	2064403	73295	0	10509	448178	1295	1758	0	0	2673854
	E:	0	910	2821	36951	3822	0	676730	23413	0	3822	118103	910	910	0	0	868392
	O:	0	311	963	24065	1305	0	233699	8719	0	1305	40335	311	311	0	0	311324
	T:	0	1350	13019	125871	5324	0	2974832	105427	0	15636	606616	2516	2979	0	0	3853570
KASILOF	C:	0	0	0	99348	0	0	377056	95940	0	0	91503	0	0	0	0	663847
	E:	0	0	0	54152	0	0	140421	34528	0	0	27422	0	0	0	0	256523
	O:	0	0	0	9726	0	0	25221	6202	0	0	4925	0	0	0	0	46074
	T:	0	0	0	163226	0	0	542698	136670	0	0	123850	0	0	0	0	966444
CRESENT	C:	0	0	0	1265	19	0	6661	763	0	0	3163	0	19	0	0	11890
	E:	0	0	0	7516	113	0	39588	4642	0	0	18796	0	113	0	0	70768
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	0	0	8781	132	0	46249	5405	0	0	21959	0	132	0	0	82658
	C:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hidden E	C:	0	0	0	79045	0	0	24798	7212	0	0	0	0	0	0	0	111055
	E:	0	0	0	31507	0	0	7365	2046	0	0	0	0	0	0	0	40918
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	0	0	110552	0	0	32163	9258	0	0	0	0	0	0	0	151973
	C:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FISH	C:	0	24	0	31479	0	0	28204	6006	0	162	6257	0	0	0	0	72132
	E:	0	98	0	32044	0	0	15117	4334	0	98	2824	0	0	0	0	54515
	O:	0	4	0	1190	0	0	561	161	0	4	105	0	0	0	0	2025
	T:	0	126	0	64713	0	0	43882	10501	0	264	9186	0	0	0	0	128672
UNALLO	C:	0	0	0	0	0	0	0	0	0	0	0	47	0	0	0	47
	E:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	0	0	0	0	0	0	0	0	0	0	47	0	0	0	47
OTHER	C:	5	0	4641	9679	0	0	239912	7691	0	928	67957	0	109	756	0	331678
	E:	26	0	4260	16776	0	0	189535	8626	0	847	44162	0	132	238	0	264602
	O:	1	0	44	832	0	0	2680	1835	0	11	6670	220	35	19	0	12347
	T:	32	0	8945	27287	0	0	432127	18152	0	1786	118789	220	276	1013	0	608627
SUMMARY	C:	623	153	49159	343145	263	0	2911242	203698	0	12038	651118	1342	1886	2027	0	4176694
	E:	3213	1395	38416	275333	4322	0	1198860	91469	0	5154	232723	910	1155	625	0	1853575
	O:	108	328	2058	39045	1318	0	266524	17382	0	1333	52753	531	346	32	0	381758
	T:	3944	1876	89633	657523	5903	0	4376626	312549	0	18525	936594	2783	3387	2684	0	6412027

Table 1. (continued)

UPPER COOK INLET SOCKEYE TOTAL RUN - 1998

		AGE CLASS															
SYSTEM		0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	2.4	3.3	3.4	TOTAL
SUSITNA	C:	658	129	7818	15964	0	0	78913	4509	0	161	15680	0	0	0	0	123832
	E:	1646	767	12918	35462	0	0	141284	9018	0	609	23739	0	0	0	0	225443
	O:	58	27	456	1251	0	0	4982	318	0	21	837	0	0	0	0	7950
	T:	2362	923	21192	52677	0	0	225179	13845	0	791	40256	0	0	0	0	357225
KENAI	C:	0	0	0	105634	244	0	312965	72643	0	4737	124803	1121	1287	1338	0	624772
	E:	0	1789	0	120998	15909	0	240290	30104	0	7958	72651	0	864	344	0	490907
	O:	0	833	0	80510	43486	0	120437	54827	1265	3704	52649	1265	402	922	0	360300
	T:	0	2622	0	307142	59639	0	673692	157574	1265	16399	250103	2386	2553	2604	0	1475979
KASILOF	C:	323	0	0	81318	8	0	81944	63609	0	471	29303	0	0	0	0	256976
	E:	315	315	0	104114	1522	0	73801	58185	0	919	23279	0	0	0	0	262450
	O:	83	83	0	27462	402	0	19466	15347	0	242	6140	0	0	0	0	69225
	T:	721	398	0	212894	1932	0	175211	137141	0	1632	58722	0	0	0	0	588651
CRESENT	C:	0	0	70	2641	24	0	3013	11340	0	0	2600	155	0	32	0	19875
	E:	0	0	0	6151	0	0	27729	6257	0	218	21902	0	0	0	0	62257
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	0	70	8792	24	0	30742	17597	0	218	24502	155	0	32	0	82132
	C:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hidden E	C:	0	0	0	46003	0	0	10468	2198	0	0	0	0	0	0	0	58669
	E:	0	0	0	43846	0	0	7396	1585	0	0	0	0	0	0	0	52827
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	0	0	89849	0	0	17864	3783	0	0	0	0	0	0	0	111496
	C:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FISH	C:	2	33	84	1520	104	0	12884	996	0	18	2509	92	0	78	0	18320
	E:	0	109	110	1396	36	0	17192	877	0	36	2772	73	0	73	0	22674
	O:	4	5	0	1549	23	0	1098	866	0	14	346	0	0	0	0	3905
	T:	6	147	194	4465	163	0	31174	2739	0	68	5627	165	0	151	0	44899
UNALLO	C:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OTHER	C:	92	0	1344	17913	8	30	61111	10606	0	274	24343	123	283	384	0	116511
	E:	224	0	2181	37798	0	0	106238	19878	0	999	35657	102	367	428	0	203872
	O:	14	2	122	3436	7	0	7335	2433	0	71	2720	19	22	77	0	16258
	T:	330	2	3647	59147	15	30	174684	32917	0	1344	62720	244	672	889	0	336641
SUMMARY	C:	1075	162	9316	270993	388	30	561298	165901	0	5661	199238	1491	1570	1832	0	1218955
	E:	2185	2980	15209	349765	17467	0	613930	125904	0	10739	180000	175	1231	845	0	1320430
	O:	159	950	578	114208	43918	0	153318	73791	1265	4052	62692	1284	424	999	0	457638
	T:	3419	4092	25103	734966	61773	30	1328546	365596	1265	20452	441930	2950	3225	3676	0	2997023

Table 1. (continued)

UPPER COOK INLET SOCKEYE TOTAL RUN - 1999 - Preliminary

SYSTEM		AGE CLASS 0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	2.4	3.3	3.4	TOTAL
SUSITNA	C:	1955	0	12640	33144	0	0	109576	11046	0	1931	23987	0	0	0	0	194279
	E:	6674	0	6266	43417	0	0	96455	15869	0	1668	15035	0	0	0	0	185384
	O:	278	0	261	1809	0	0	4019	661	0	70	626	0	0	0	0	7724
	T:	8907	0	19167	78370	0	0	210050	27576	0	3669	39648	0	0	0	0	387387
KENAI	C:	0	0	5793	152149	253	0	983500	201605	0	7193	198946	2477	2672	0	0	1554588
	E:	0	0	1764	67186	6077	0	359281	81961	705	2679	56903	5507	915	0	0	582978
	O:	0	0	907	51387	6093	0	186633	82304	680	1378	37583	3892	470	0	0	371327
	T:	0	0	8464	270722	12423	0	1529414	365870	1385	11250	293432	11876	4057	0	0	2508893
KASILOF	C:	0	0	0	153195	7	0	219825	118415	0	1342	71608	95	0	0	0	564487
	E:	0	0	0	89506	302	0	102026	80426	0	634	28478	302	0	0	0	301674
	O:	0	0	0	17384	59	0	19816	15621	0	123	5531	59	0	0	0	58593
	T:	0	0	0	260085	368	0	341667	214462	0	2099	105617	456	0	0	0	924754
CRESENT	C:	0	10160	0	0	0	0	18763	6057	0	0	14461	0	0	0	0	49441
	E:	0	0	0	14222	73	0	26189	6126	0	286	19477	0	73	73	0	66519
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	10160	0	14222	73	0	44952	12183	0	286	33938	0	73	73	0	115960
	C:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hidden E	C:	0	0	0	62533	0	0	5229	3078	0	0	0	0	0	0	0	70840
	E:	0	0	0	31220	0	0	2105	1754	0	0	0	0	0	0	0	35079
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	0	0	93753	0	0	7334	4832	0	0	0	0	0	0	0	105919
	C:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FISH	C:	0	0	0	15218	0	0	749	1589	0	58	407	32	0	0	0	18053
	E:	0	3095	0	19941	255	0	659	2284	0	51	255	51	0	0	0	26591
	O:	0	116	0	750	10	0	25	86	0	2	10	2	0	0	0	1001
	T:	0	3211	0	35909	265	0	1433	3959	0	111	672	85	0	0	0	45645
UNALLO	C:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	O:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OTHER	C:	59	0	5947	20502	0	0	137020	13240	0	1239	48712	191	194	1915	0	229019
	E:	210	0	3071	27976	0	0	125638	19814	0	1115	31804	316	210	189	0	210343
	O:	10	52	124	3165	762	0	7673	14394	0	60	3906	77	15	10	0	30248
	T:	279	52	9142	51643	762	0	270331	47448	0	2414	84422	584	419	2114	0	469610
SUMMARY	C:	2014	10160	24380	436741	260	0	1474662	355030	0	11763	358121	2795	2866	1915	0	2680707
	E:	6884	3095	11101	293468	6707	0	712353	208234	705	6433	151952	6176	1198	262	0	1408568
	O:	288	168	1292	74495	6924	0	218166	113066	680	1633	47656	4030	485	10	0	468893
	T:	9186	13423	36773	804704	13891	0	2405181	676330	1385	19829	557729	13001	4549	2187	0	4558168

Table 2. Upper Cook Inlet sockeye salmon brood tables.

SUSITNA RIVER SOCKEYE TOTAL RUN FROM BROOD YEAR INCLUDING ESTIMATES OF INTERCEPTION CATCHES

BROOD YEAR	RETURN BY AGE CLASS 0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	2.4	3.3	3.4	TOTAL
1960	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1961	0	0	0	0	0	0	0	0	0	0	0	0	122	0	0	122
1962	0	0	0	0	0	0	0	0	0	427	3295	0	83	0	0	3805
1963	0	0	0	0	0	0	29590	2562	0	289	2233	0	1109	0	0	35783
1964	0	0	122	22879	610	0	20053	1736	0	1242	7011	0	0	0	0	53653
1965	183	1220	83	15505	413	0	14021	4304	0	229	11471	0	0	0	0	47429
1966	124	827	0	16018	222	0	68710	7800	0	3424	43207	0	518	0	125	140975
1967	0	444	0	26497	0	0	206250	6656	0	2121	12717	0	72	0	1447	256204
1968	0	0	39	21005	0	0	147208	10043	0	215	4997	0	0	0	0	183507
1969	0	0	7640	64806	1161	0	92160	6678	0	0	3363	0	0	0	0	175808
1970	348	2322	0	75213	72	0	170546	9537	0	878	709	0	0	0	0	259625
1971	0	72	0	135948	216	0	191986	3709	0	0	2095	0	0	0	0	334026
1972	0	2592	0	110973	0	0	381472	16081	0	94	5531	0	0	0	0	516743
1973	0	10537	0	93741	238	0	135328	9372	0	157	2900	0	0	0	0	252273
1974	0	2618	0	148757	7552	0	87458	16993	0	1356	33983	0	0	0	0	298717
1975	0	3493	9391	167218	1052	0	185301	19080	0	1037	33863	0	0	0	0	420435
1976	2474	10634	0	151820	193	0	566559	24203	0	0	74877	0	0	0	0	830760
1977	0	4363	0	55498	0	0	371930	15363	0	1306	9635	0	0	0	0	458095
1978	0	1815	0	98796	1074	673	208378	11276	0	356	37469	0	0	0	0	359837
1979	0	5432	6816	299900	1415	0	392165	30743	0	3835	17689	237	0	0	0	758232
1980	4526	5062	21256	179529	1762	237	344732	24905	91	830	48734	0	0	0	0	631664
1981	1976	6586	24167	166095	1220	0	521389	32017	0	2709	67386	0	508	0	0	824053
1982	6292	13532	9298	104701	690	0	251560	34499	0	805	49551	0	0	0	0	470928
1983	3765	0	19264	66910	0	0	169068	31659	0	622	22413	0	346	0	0	314047
1984	4883	1220	12450	86730	3283	0	162883	14129	0	3586	78702	943	66	0	0	368875
1985	5546	448	21846	53050	1068	0	459957	45177	0	232	52589	0	2021	312	0	642246
1986	9842	2031	23269	155370	122	222	305312	23214	0	210	87584	289	1922	0	0	609387
1987	5090	770	27497	70958	397	0	248487	61927	0	0	131055	0	0	0	0	546181
1988	2472	203	13038	72402	377	0	298681	76732	0	646	121446	0	0	0	0	585997
1989	1776	2283	39692	149586	1149	1134	272173	40638	0	3106	77468	1444	0	0	0	590449
1990	3699	217	25058	94088	0	0	344969	45054	0	0	89036	0	0	1671	0	603792
1991	4002	1622	26407	85927	562	0	202510	37168	0	839	56194	0	0	0	0	415231
1992	6185	1940	12472	83637	1003	0	304675	27136	0	791	40256	0	0	0	0*	478095*
1993	7985	861	67669	157093	447	0	225179	13845	0	3669	39648	0	0*	0*	0*	516396*
1994	3912	400	21192	52677	0	0	210050	27576	0	0	0*	0*	0*	0*	0*	315807*
1995	2362	923	19167	78370	0	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	100822*
1996	8907	0	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	8907*
1997	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
1998	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
1999	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*

SUSITNA RIVER SOCKEYE SALMON ADULT RETURN BY AGE CLASS FROM BROOD YEAR ESCAPEMENTS (IN THOUSANDS)

BROOD YEAR	ESCAPEMENT*	ADULT RETURN 1.2	%	1.3	%	1.3/1.2	1.3/1FW	2.2	%	2.3	%	2.3/2.2	2.3/2FW	TOTAL	RTN PER SPAWNER
1960	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1961	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1962	0	0	0	0	0	.000	.000	0	0	3	86	.000	1.000	3	.00
1963	0	0	0	29	82	.000	1.000	2	7	2	6	.872	.466	35	.00
1964	0	22	42	20	37	.876	.467	1	3	7	13	4.039	.802	53	.00
1965	0	15	32	14	29	.904	.475	4	9	11	24	2.665	.727	47	.00
1966	0	16	11	68	48	4.290	.811	7	5	43	30	5.539	.847	140	.00
1967	0	26	10	206	80	7.784	.886	6	2	12	4	1.911	.656	256	.00
1968	61	21	11	147	80	7.008	.875	10	5	4	2	.498	.332	183	3.01
1969	41	64	36	92	52	1.422	.587	6	3	3	1	.504	.335	175	4.25
1970	44	75	28	170	65	2.268	.694	9	3	0	0	.074	.069	259	5.85
1971	114	135	40	191	57	1.412	.585	3	1	2	0	.565	.361	334	2.91
1972	91	110	21	381	73	3.438	.775	16	3	5	1	.344	.256	516	5.62
1973	116	93	37	135	53	1.444	.591	9	3	2	1	.309	.236	252	2.17
1974	71	148	49	87	29	.588	.370	16	5	33	11	2.000	.667	298	4.16
1975	108	167	39	185	44	1.108	.526	19	4	33	8	1.775	.640	420	3.89
1976	111	151	18	566	68	3.732	.789	24	2	74	9	3.094	.756	830	7.48
1977	232	55	12	371	81	6.702	.870	15	3	9	2	.627	.385	458	1.97
1978	93	98	27	208	57	2.109	.678	11	3	37	10	3.323	.769	359	3.85
1979	155	299	39	392	51	1.308	.567	30	4	17	2	.575	.365	758	4.89
1980	189	179	28	344	54	1.920	.658	24	3	48	7	1.957	.662	631	3.34
1981	338	166	20	521	63	3.139	.758	32	3	67	8	2.105	.678	824	2.43
1982	187	104	22	251	53	2.403	.706	34	7	49	10	1.436	.590	470	2.51
1983	172	66	21	169	53	2.527	.716	31	10	22	7	.708	.415	314	1.83
1984	275	86	23	162	44	1.878	.653	14	3	78	21	5.570	.848	368	1.34
1985	225	53	8	459	71	8.670	.897	45	7	52	8	1.164	.538	642	2.84
1986	172	155	25	305	50	1.965	.663	23	3	87	14	3.773	.790	609	3.53
1987	124	70	12	248	45	3.502	.778	61	11	131	23	2.116	.679	546	4.39
1988	97	72	12	298	50	4.125	.805	76	13	121	20	1.583	.613	585	6.01
1989	183	149	25	272	46	1.820	.645	40	6	77	13	1.906	.656	590	3.21
1990	270	94	15	344	57	3.666	.786	45	7	89	14	1.976	.664	603	2.24
1991	209	85	20	202	48	2.357	.702	37	8	56	13	1.512	.602	415	1.98
1992	124	83	17	304	63	3.643	.785	27	5	40	8	1.483	.597	478	3.84
1993	270	157	30	225	43	1.433	.589	13	2	39	7	2.864	.741	516	1.91
1994	245	52	16	210	66	3.988	.799	27	8	0*	0*	.000 *	.000 *	315 *	1.29 *
1995	231	78	77	0	0*	.000 *	.000 *	0*	0*	0*	0*	.000 *	.000 *	100 *	.44 *
1996	172	0*	0*	0*	0*	.000 *	.000 *	0*	0*	0*	0*	.000 *	.000 *	8 *	.05 *
1997	297	0*	0*	0*	0*	.000 *	.000 *	0*	0*	0*	0*	.000 *	.000 *	0 *	.00 *
1998	225	0*	0*	0*	0*	.000 *	.000 *	0*	0*	0*	0*	.000 *	.000 *	0 *	.00 *
1999	185	0*	0*	0*	0*	.000 *	.000 *	0*	0*	0*	0*	.000 *	.000 *	0 *	.00 *

Table 2. (continued)

KENAI RIVER SOCKEYE TOTAL RUN FROM BROOD YEAR INCLUDING ESTIMATES OF INTERCEPTION CATCHES

BROOD YEAR	RETURN BY AGE CLASS 0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	2.4	3.3	3.4	TOTAL
1960	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1961	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1962	0	0	0	0	0	0	0	0	0	792	22088	320	159	265	292	23916
1963	0	0	0	0	0	0	33264	9184	0	848	6943	5	292	0	0	50536
1964	0	0	0	21824	528	0	19133	19234	159	292	11023	2920	0	0	0	75113
1965	0	0	0	4558	1537	0	12629	18250	657	3900	33900	107	2391	29	0	77958
1966	0	159	0	7446	18907	0	116100	112393	0	2356	163425	3165	2457	9	1299	427716
1967	0	292	0	24900	8700	0	318338	148526	0	7621	114167	36	0	0	6975	629555
1968	0	0	0	159584	1590	0	628356	58021	0	492	68402	0	0	0	0	916445
1969	0	647	0	26064	4037	0	223052	76559	0	3597	74662	863	0	0	0	409481
1970	0	1101	0	55509	5083	0	202006	132228	0	0	116564	7337	0	0	0	519828
1971	0	2787	0	32518	6187	0	334928	252153	0	7466	226641	0	0	0	0	862680
1972	0	3454	0	501352	14673	0	1410127	148029	0	816	109131	0	0	0	0	2187582
1973	0	7340	0	124551	0	0	1742904	78193	0	0	41451	0	0	0	0	1994439
1974	0	0	0	54411	1224	0	405584	77698	0	0	138560	0	0	0	0	677477
1975	0	0	0	128318	0	0	559253	179386	0	0	48631	0	0	0	0	915588
1976	0	1042	0	313485	4525	0	633645	74103	822	2710	129825	0	652	0	0	1160809
1977	0	29435	0	152405	2449	0	2232284	58290	0	17920	315607	0	0	469	0	2808859
1978	0	0	0	117707	0	0	3002211	54773	0	32597	240628	4967	0	0	0	3452883
1979	0	1042	28250	216507	3543	0	465743	119048	0	10080	258446	4242	1872	0	0	1108773
1980	0	2923	15516	168233	1917	512	1403627	222451	0	13615	515114	0	0	0	0	2343908
1981	672	0	7360	237963	1848	0	1172456	260879	0	6486	575047	0	0	0	0	2262711
1982	3564	1098	36150	672560	1541	2172	7174281	252363	0	22776	748125	0	7318	0	0	8921948
1983	1174	0	24805	554068	0	0	4361481	259048	0	43349	3463341	0	10101	0	0	8717367
1984	0	0	3560	331860	4458	0	1446909	605787	5507	17376	818713	5488	501	0	0	3240159
1985	0	3185	4452	265557	14378	0	1402063	191224	0	4142	324401	489	0	0	0	2209891
1986	1248	3583	11590	178947	2510	1657	722612	100906	0	10364	699943	0	7936	0	0	1741296
1987	0	4302	35022	517173	3314	0	6706379	251128	0	96261	1895350	954	13051	0	0	9522934
1988	327	848	0	25733	5957	0	1309601	237347	438	19021	508088	3274	3962	0	0	2113596
1989	3408	0	15369	273478	57941	0	2188853	471108	1142	16404	857919	0	15166	0	0	3900788
1990	964	2539	5702	179079	10647	0	695441	149716	0	10236	273451	1979	2979	0	0	1332733
1991	1317	3157	9575	549036	17646	0	2533160	185047	1425	15636	606616	2516	2553	2604	0	3930288
1992	0	2029	8190	119133	8254	0	2974832	105427	0	16399	250103	2386	4057	0	0*	3490810*
1993	0	0	13019	125871	5324	0	673692	157574	1265	11250	293432	11876	0*	0*	0*	1293303*
1994	0	1350	0	307142	59639	0	1529414	365870	1385	0	0*	0*	0*	0*	0*	2264800*
1995	0	2622	8464	270722	12423	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	294231*
1996	0	0	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
1997	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
1998	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
1999	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*

KENAI RIVER SOCKEYE SALMON ADULT RETURN BY AGE CLASS FROM BROOD YEAR ESCAPEMENTS (IN THOUSANDS)

BROOD YEAR	ESCAPEMENT	ADULT RETURN 1.2	%	1.3	%	1.3 /1.2	1.3 /1FW	2.2	%	2.3	%	2.3 /2.2	2.3 /2FW	TOTAL	RTN PER SPAWNER
1960	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1961	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1962	0	0	0	0	0	.000	.000	0	0	22	92	.000	1.000	23	.00
1963	0	0	0	33	65	.000	1.000	9	18	6	13	.756	.431	50	.00
1964	0	21	29	19	25	.877	.467	19	25	11	14	.573	.364	75	.00
1965	0	4	5	12	16	2.771	.735	18	23	33	43	1.858	.650	77	.00
1966	0	7	1	116	27	15.592	.940	112	26	163	38	1.454	.593	427	.00
1967	0	24	3	318	50	12.785	.927	148	23	114	18	.769	.435	629	.00
1968	82	159	17	628	68	3.937	.797	58	6	68	7	1.179	.541	916	11.15
1969	51	26	6	223	54	8.558	.895	76	18	74	18	.975	.494	409	7.90
1970	72	55	10	202	38	3.639	.784	132	25	116	22	.882	.469	519	7.18
1971	289	32	3	334	38	10.300	.912	252	29	226	26	.899	.473	862	2.98
1972	301	501	22	1410	64	2.813	.738	148	6	109	4	.737	.424	2187	7.24
1973	358	124	6	1742	87	13.993	.933	78	3	41	2	.530	.346	1994	5.57
1974	144	54	8	405	59	7.454	.882	77	11	138	20	1.783	.641	677	4.69
1975	128	128	14	559	61	4.358	.813	179	19	48	5	.271	.213	915	7.13
1976	353	313	27	633	54	2.021	.669	74	6	129	11	1.752	.637	1160	3.29
1977	663	152	5	2232	79	14.647	.936	58	2	315	11	5.414	.844	2808	4.23
1978	349	117	3	3002	86	25.506	.962	54	1	240	6	4.393	.815	3452	9.87
1979	246	216	19	465	42	2.151	.683	119	10	258	23	2.171	.685	1108	4.49
1980	397	168	7	1403	59	8.343	.893	222	9	515	21	2.316	.698	2343	5.90
1981	359	237	10	1172	51	4.927	.831	260	11	575	25	2.204	.688	2262	6.29
1982	566	672	7	7174	80	10.667	.914	252	2	748	8	2.964	.748	8921	15.76
1983	556	554	6	4361	50	7.872	.887	259	2	3463	39	13.369	.930	8717	15.66
1984	309	331	10	1446	44	4.360	.813	605	18	818	25	1.351	.575	3240	10.47
1985	396	265	12	1402	63	5.280	.841	191	8	324	14	1.696	.629	2209	5.58
1986	400	178	10	722	41	4.038	.802	100	5	699	40	6.937	.874	1741	4.35
1987	1333	517	5	6706	70	12.967	.928	251	2	1895	19	7.547	.883	9522	7.14
1988	838	25	1	1309	61	50.892	.981	237	11	508	24	2.141	.682	2113	2.52
1989	1333	273	7	2188	56	8.004	.889	471	12	857	21	1.821	.646	3900	2.92
1990	439	179	13	695	52	3.883	.795	149	11	273	20	1.826	.646	1332	3.04
1991	376	549	13	2533	64	4.614	.822	185	4	606	15	3.278	.766	3930	10.45
1992	752	119	3	2974	85	24.971	.961	105	3	250	7	2.372	.703	3490	4.64
1993	669	125	9	673	52	5.352	.843	157	12	293	22	1.862	.651	1293	1.93
1994	894	307	13	1529	67	4.980	.833	365	16	0*	0*	.000*	.000*	2264*	2.53*
1995	520	270	92	0	0*	.000*	.000*	0*	0*	0*	0*	.000*	.000*	294*	.56*
1996	552	0*	0*	0*	0*	.000*	.000*	0*	0*	0*	0*	.000*	.000*	0*	.00*
1997	868	0*	0*	0*	0*	.000*	.000*	0*	0*	0*	0*	.000*	.000*	0*	.00*
1998	490	0*	0*	0*	0*	.000*	.000*	0*	0*	0*	0*	.000*	.000*	0*	.00*
1999	582	0*	0*	0*	0*	.000*	.000*	0*	0*	0*	0*	.000*	.000*	0*	.00*

Table 2. (continued)

KASILOF RIVER SOCKEYE TOTAL RUN FROM BROOD YEAR INCLUDING ESTIMATES OF INTERCEPTION CATCHES

BROOD YEAR	RETURN BY AGE CLASS 0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	2.4	3.3	3.4	TOTAL
1960	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1961	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1962	0	0	0	0	0	0	0	0	0	0	11481	0	0	0	494	11975
1963	0	0	0	0	0	0	31239	4628	0	414	7176	0	0	0	0	43457
1964	0	0	0	41652	0	0	17940	14030	0	646	4218	0	0	0	0	78486
1965	0	0	0	6440	0	0	14098	6270	0	0	14130	0	1275	207	0	42420
1966	0	0	0	12160	0	0	62370	7650	0	2930	47724	0	0	0	44	132878
1967	0	114	0	5850	0	0	107418	7327	0	0	3446	0	0	0	394	124549
1968	0	0	0	104619	113	0	54201	14693	0	0	3572	0	0	0	0	177198
1969	0	339	0	10677	0	0	115328	7492	0	154	7843	0	533	0	0	142366
1970	0	0	0	40883	280	0	12099	82260	0	0	59992	0	0	0	0	195514
1971	0	0	0	29073	204	0	145764	116736	0	0	57544	0	0	0	0	349321
1972	0	510	0	141316	0	0	120792	127576	0	0	47362	0	0	0	0	437556
1973	0	530	0	132439	2406	0	230389	47432	0	0	5229	0	0	0	0	418425
1974	0	2743	0	256901	0	0	94469	40051	0	1346	22357	0	0	0	0	417867
1975	0	0	0	200655	0	0	136857	24738	0	0	9548	0	0	0	0	371798
1976	441	1897	0	254865	0	0	396583	37242	0	0	50013	0	0	0	0	741041
1977	0	3937	0	158801	0	0	421132	56957	0	0	56549	0	0	0	0	697376
1978	0	0	0	189844	457	0	447784	113323	0	0	60942	0	0	0	0	812350
1979	0	2531	0	452641	0	0	228649	120799	0	3498	61365	0	1307	0	0	870790
1980	0	0	0	275204	573	0	564819	280425	0	3949	83149	0	0	0	0	1208119
1981	0	0	0	894342	1924	0	795535	244804	0	0	120244	228	2630	0	0	2059707
1982	0	2287	0	587077	261	0	428996	302537	0	1628	137398	0	0	0	0	1460184
1983	894	0	0	390074	478	0	335895	235578	0	286	78393	0	0	0	0	1041598
1984	0	685	0	235095	365	0	191444	293227	0	1676	106779	1063	0	0	0	830334
1985	0	107	0	70371	124	0	156453	133071	0	894	59149	0	0	0	0	420169
1986	0	0	573	110935	0	0	278977	202639	0	0	186820	0	0	0	0	779944
1987	0	649	762	146313	163	0	424806	288931	0	0	211593	0	0	0	0	1073217
1988	235	0	0	177184	832	0	233656	193167	0	0	145530	0	0	0	0	750604
1989	0	0	0	71145	590	0	207042	152686	0	0	140141	0	0	0	0	571604
1990	0	559	0	151875	0	0	136952	199523	0	0	80550	0	0	0	0	569459
1991	0	0	0	258664	0	0	469657	220721	0	0	123850	0	0	0	0	1072892
1992	0	411	0	197329	0	0	542698	136670	0	1632	58722	0	0	0	0*	937462*
1993	0	0	0	163226	0	0	175211	137141	0	2099	105617	456	0*	0*	0*	583750*
1994	0	0	0	212894	1932	0	341667	214462	0	0	0*	0*	0*	0*	0*	770955*
1995	721	398	0	260085	368	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	261572*
1996	0	0	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
1997	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
1998	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
1999	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*

KASILOF RIVER SOCKEYE SALMON ADULT RETURN BY AGE CLASS FROM BROOD YEAR ESCAPEMENTS (IN THOUSANDS)

BROOD YEAR	ESCAPEMENT	ADULT RETURN 1.2	%	1.3	%	1.3 /1.2	1.3 /1FW	2.2	%	2.3	%	2.3 /2.2	2.3 /2FW	TOTAL	RTN PER SPAWNER
1960	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1961	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1962	0	0	0	0	0	.000	.000	0	0	11	95	.000	1.000	11	.00
1963	0	0	0	31	71	.000	1.000	4	10	7	16	1.551	.608	43	.00
1964	0	41	53	17	22	.431	.301	14	17	4	5	.301	.231	78	.00
1965	0	6	15	14	33	2.189	.686	6	14	14	33	2.254	.693	42	.00
1966	0	12	9	62	46	5.129	.837	7	5	47	35	6.238	.862	132	.00
1967	0	5	4	107	86	18.362	.948	7	5	3	2	.470	.320	124	.00
1968	89	104	59	54	30	.518	.341	14	8	3	2	.243	.196	177	1.99
1969	46	10	7	115	81	10.802	.915	7	5	7	5	1.047	.511	142	3.09
1970	38	40	20	12	6	.296	.228	82	42	59	30	.729	.422	195	5.15
1971	90	29	8	145	41	5.014	.834	116	33	57	16	.493	.330	349	3.88
1972	113	141	32	120	27	.855	.461	127	29	47	10	.371	.271	437	3.87
1973	40	132	31	230	55	1.740	.635	47	11	5	1	.110	.099	418	10.46
1974	69	256	61	94	22	.368	.269	40	9	22	5	.558	.358	417	5.99
1975	47	200	53	136	36	.682	.405	24	6	9	2	.386	.278	371	7.77
1976	133	254	34	396	53	1.556	.609	37	5	50	6	1.343	.573	741	5.55
1977	153	158	22	421	60	2.652	.726	56	8	56	8	.993	.498	697	4.55
1978	109	189	23	447	55	2.359	.702	113	13	60	7	.538	.350	812	7.39
1979	149	452	51	228	26	.505	.336	120	13	61	7	.508	.337	870	5.84
1980	178	275	22	564	46	2.052	.672	280	23	83	6	.297	.229	1208	6.78
1981	246	894	43	795	38	.890	.471	244	11	120	5	.491	.329	2059	8.35
1982	168	587	40	428	29	.731	.422	302	20	137	9	.454	.312	1460	8.67
1983	199	390	37	335	32	.861	.463	235	22	78	7	.333	.250	1041	5.21
1984	219	235	28	191	23	.814	.449	293	35	106	12	.364	.267	830	3.78
1985	493	70	16	156	37	2.223	.690	133	31	59	14	.444	.308	420	.85
1986	263	110	14	278	35	2.515	.715	202	25	186	23	.922	.480	779	2.96
1987	236	146	13	424	39	2.903	.744	288	26	211	19	.732	.423	1073	4.53
1988	141	177	23	233	31	1.319	.569	193	25	145	19	.753	.430	750	5.29
1989	149	71	12	207	36	2.910	.744	152	26	140	24	.918	.479	571	3.82
1990	137	151	26	136	24	.902	.474	199	35	80	14	.404	.288	569	4.15
1991	228	258	24	469	43	1.816	.645	220	20	123	11	.561	.359	1072	4.70
1992	176	197	21	542	57	2.750	.733	136	14	58	6	.430	.301	937	5.30
1993	140	163	27	175	30	1.073	.518	137	23	105	18	.770	.435	583	4.16
1994	190	212	27	341	44	1.605	.616	214	27	0*	0*	.000*	.000*	770*	4.04*
1995	190	260	99	0	0*	.000*	.000*	0*	0*	0*	0*	.000*	.000*	261*	1.37*
1996	237	0*	0*	0*	0*	.000*	.000*	0*	0*	0*	0*	.000*	.000*	0*	.00*
1997	256	0*	0*	0*	0*	.000*	.000*	0*	0*	0*	0*	.000*	.000*	0*	.00*
1998	262	0*	0*	0*	0*	.000*	.000*	0*	0*	0*	0*	.000*	.000*	0*	.00*
1999	301	0*	0*	0*	0*	.000*	.000*	0*	0*	0*	0*	.000*	.000*	0*	.00*

Table 2. (continued)

CRESENT RIVER SOCKEYE TOTAL RUN FROM BROOD YEAR INCLUDING ESTIMATES OF INTERCEPTION CATCHES

BROOD YEAR	RETURN BY AGE CLASS 0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	2.4	3.3	3.4	TOTAL
1960	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1961	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1962	0	0	0	0	0	0	0	0	0	605	6380	0	0	0	0	6985
1963	0	0	0	0	0	0	36630	1925	0	561	5916	0	0	0	0	45032
1964	0	0	0	9295	0	0	33966	1785	0	0	0	0	0	0	0	45046
1965	0	165	0	8619	0	0	0	0	0	484	5104	0	0	0	0	14372
1966	0	153	0	0	0	0	29304	1540	0	1032	9825	0	0	0	99	41953
1967	0	0	0	7436	0	0	67120	4203	0	368	4605	0	0	0	125	83857
1968	0	132	69	17330	0	0	31840	1961	0	0	1184	0	0	0	0	52516
1969	0	187	32	7948	0	0	27816	1810	0	1640	2906	0	0	0	0	42339
1970	0	87	0	14864	0	0	49846	2729	0	1001	10561	0	0	0	0	79088
1971	0	0	0	10394	0	0	60635	3187	0	157	8299	157	0	0	0	82829
1972	0	287	0	15386	0	0	126676	6577	0	0	12563	0	0	0	0	161489
1973	0	273	1566	13153	0	0	104045	2876	0	87	852	0	0	0	0	122852
1974	0	0	0	10903	0	0	93795	3504	0	1636	4478	0	0	0	0	114316
1975	0	0	0	44443	87	0	138845	7428	0	106	25257	0	0	0	0	216166
1976	0	693	0	14087	0	0	24751	6195	22	66	6231	0	0	0	0	52045
1977	0	0	0	6580	41	0	63558	1049	0	365	27587	0	239	0	0	99419
1978	0	0	0	9864	22	0	69478	34364	0	239	130296	357	0	0	0	244620
1979	0	17	121	20070	553	0	50836	45302	0	723	127608	0	0	0	0	245230
1980	0	0	120	10357	120	0	122319	42455	0	0	97850	1270	720	0	0	275211
1981	0	0	361	14902	567	0	32232	26775	0	295	87254	102	0	0	0	162488
1982	181	257	375	11923	300	0	108494	12822	0	312	32633	75	177	177	0	167726
1983	0	0	295	10366	102	0	81121	24138	0	177	64983	177	152	33	0	181544
1984	0	0	247	21725	198	0	57659	2500	0	274	31265	0	126	0	0	113994
1985	0	0	177	888	0	0	35581	3502	0	260	12783	126	0	299	0	53616
1986	0	0	178	2892	89	0	30792	10021	0	0	44905	604	83	0	0	89564
1987	0	0	251	7665	0	0	24817	9930	0	0	21408	12	80	0	0	64163
1988	0	0	14	5204	27	0	22569	9189	0	158	13413	0	0	129	0	50703
1989	0	27	0	7818	323	0	21774	5382	0	396	44415	0	270	0	0	80405
1990	0	83	0	2891	158	0	13252	6760	0	0	18429	0	132	0	0	41705
1991	80	0	0	6630	136	0	13449	12646	0	0	21959	0	0	32	0	54932
1992	0	267	0	8073	0	0	46249	5405	0	218	24502	155	73	73	0*	85015*
1993	0	0	0	8781	132	0	30742	17597	0	286	33938	0	0*	0*	0*	91476*
1994	0	0	70	8792	24	0	44952	12183	0	0	0*	0*	0*	0*	0*	66021*
1995	0	0	0	14222	73	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	14295*
1996	0	10160	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	10160*
1997	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
1998	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
1999	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*

CRESENT RIVER SOCKEYE SALMON ADULT RETURN BY AGE CLASS FROM BROOD YEAR ESCAPEMENTS (IN THOUSANDS)

BROOD YEAR	ESCAPEMENT	ADULT RETURN 1.2	%	1.3	%	1.3 /1.2	1.3 /1FW	2.2	%	2.3	%	2.3 /2.2	2.3 /2FW	TOTAL	RTN PER SPAWNER
1960	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1961	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1962	0	0	0	0	0	.000	.000	0	0	6	91	.000	1.000	6	.00
1963	0	0	0	36	81	.000	1.000	1	4	5	13	3.073	.754	45	.00
1964	0	9	20	33	75	3.654	.785	1	3	0	0	.000	.000	45	.00
1965	0	8	59	0	0	.000	.000	0	0	5	35	.000	1.000	14	.00
1966	0	0	0	29	69	.000	1.000	1	3	9	23	6.380	.864	41	.00
1967	0	7	8	67	80	9.026	.900	4	5	4	5	1.096	.523	83	.00
1968	55	17	32	31	60	1.837	.648	1	3	1	2	.604	.376	52	.95
1969	51	7	18	27	65	3.500	.778	1	4	2	6	1.606	.616	42	.83
1970	0	14	18	49	63	3.353	.770	2	3	10	13	3.870	.795	79	.00
1971	44	10	12	60	73	5.834	.854	3	3	8	10	2.604	.723	82	1.88
1972	62	15	9	126	78	8.233	.892	6	4	12	7	1.910	.656	161	2.60
1973	29	13	10	104	84	7.910	.888	2	2	0	0	.296	.229	122	4.24
1974	28	10	9	93	82	8.603	.896	3	3	4	3	1.278	.561	114	4.08
1975	41	44	20	138	64	3.124	.758	7	3	25	11	3.400	.773	216	5.27
1976	51	14	27	24	47	1.757	.637	6	11	6	11	1.006	.501	52	1.02
1977	87	6	6	63	63	9.659	.906	1	1	27	27	26.298	.963	99	1.14
1978	74	9	4	69	28	7.044	.876	34	14	130	53	3.792	.791	244	3.31
1979	86	20	8	50	20	2.533	.717	45	18	127	52	2.817	.738	245	2.83
1980	90	10	3	122	44	11.810	.922	42	15	97	35	2.305	.697	275	3.03
1981	41	14	9	32	19	2.163	.684	26	16	87	53	3.259	.765	162	3.94
1982	58	11	7	108	64	9.100	.901	12	7	32	19	2.545	.718	167	2.84
1983	92	10	5	81	44	7.826	.887	24	13	64	35	2.692	.729	181	1.97
1984	118	21	19	57	50	2.654	.726	2	2	31	27	12.506	.926	113	.96
1985	128	0	1	35	66	40.069	.976	3	6	12	23	3.650	.785	53	.42
1986	95	2	3	30	34	10.647	.914	10	11	44	50	4.481	.818	89	.94
1987	118	7	11	24	38	3.238	.764	9	15	21	33	2.156	.683	64	.54
1988	57	5	10	22	44	4.337	.813	9	18	13	26	1.460	.592	50	.88
1989	71	7	9	21	27	2.785	.736	5	6	44	55	8.253	.892	80	1.13
1990	52	2	6	13	31	4.584	.821	6	16	18	44	2.726	.732	41	.80
1991	44	6	12	13	24	2.029	.670	12	23	21	39	1.736	.635	54	1.23
1992	58	8	9	46	54	5.729	.851	5	6	24	28	4.533	.819	85	1.46
1993	37	8	9	30	33	3.501	.778	17	19	33	37	1.929	.659	91	2.44
1994	30	8	13	44	68	5.113	.836	12	18	0*	0*	.000 *	.000 *	66 *	2.18 *
1995	52	14	99	0	0 *	.000 *	.000 *	0*	0 *	0*	0 *	.000 *	.000 *	14 *	.27 *
1996	28	0*	0 *	0*	0 *	.000 *	.000 *	0*	0 *	0*	0 *	.000 *	.000 *	10 *	.35 *
1997	70	0*	0 *	0*	0 *	.000 *	.000 *	0*	0 *	0*	0 *	.000 *	.000 *	0 *	.00 *
1998	62	0*	0 *	0*	0 *	.000 *	.000 *	0*	0 *	0*	0 *	.000 *	.000 *	0 *	.00 *
1999	66	0*	0 *	0*	0 *	.000 *	.000 *	0*	0 *	0*	0 *	.000 *	.000 *	0 *	.00 *

Table 2. (continued)

RIVER SOCKEYE TOTAL RUN FROM BROOD YEAR INCLUDING ESTIMATES OF INTERCEPTION CATCHES

BROOD YEAR	RETURN BY AGE CLASS 0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	2.4	3.3	3.4	TOTAL
1960	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1961	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1962	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1963	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1964	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1965	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1966	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1967	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1968	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0*	0*
1993	0	0	0	0	0	0	0	0	0	0	0	0	0*	0*	0*	0*
1994	0	0	0	0	0	0	0	0	0	0	0*	0*	0*	0*	0*	0*
1995	0	0	0	0	0	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
1996	0	0	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
1997	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
1998	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
1999	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*

RIVER SOCKEYE SALMON ADULT RETURN BY AGE CLASS FROM BROOD YEAR ESCAPEMENTS (IN THOUSANDS)

BROOD YEAR	ESCAPEMENT	ADULT RETURN 1.2	%	1.3	%	1.3/1.2	1.3/1FW	2.2	%	2.3	%	2.3/2.2	2.3/2FW	TOTAL	RTN PER SPAWNER
1960	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1961	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1962	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1963	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1964	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1965	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1966	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1967	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1968	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1969	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1970	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1971	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1972	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1973	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1974	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1975	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1976	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1977	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1978	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1979	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1980	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1981	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1982	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1983	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1984	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1985	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1986	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1987	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1988	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1989	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1990	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1991	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1992	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1993	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1994	0	0	0	0	0	.000	.000	0	0	0*	0*	.000*	.000*	0*	.00*
1995	0	0	0	0	0*	.000*	.000*	0*	0*	0*	0*	.000*	.000*	0*	.00*
1996	0	0*	0*	0*	0*	.000*	.000*	0*	0*	0*	0*	.000*	.000*	0*	.00*
1997	0	0*	0*	0*	0*	.000*	.000*	0*	0*	0*	0*	.000*	.000*	0*	.00*
1998	0	0*	0*	0*	0*	.000*	.000*	0*	0*	0*	0*	.000*	.000*	0*	.00*
1999	0	0*	0*	0*	0*	.000*	.000*	0*	0*	0*	0*	.000*	.000*	0*	.00*

Table 2. (continued)

Hidden E RIVER SOCKEYE TOTAL RUN FROM BROOD YEAR INCLUDING ESTIMATES OF INTERCEPTION CATCHES

BROOD YEAR	RETURN BY AGE CLASS 0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	2.4	3.3	3.4	TOTAL
1960	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1961	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1962	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1963	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1964	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1965	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1966	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1967	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1968	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	491	4015	0	0	0	0	0	0	0	4506
1976	0	0	0	33176	0	0	2944	2571	0	0	0	0	0	0	0	38691
1977	0	0	0	14032	0	0	305	74	0	0	0	0	0	0	0	14411
1978	0	0	0	743	0	0	0	0	0	0	0	0	0	0	0	743
1979	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	6631	4803	0	0	0	0	0	0	0	11434
1982	0	0	0	47485	0	0	6523	2568	0	0	0	0	0	0	0	56576
1983	0	0	0	118154	0	0	10731	7636	0	0	0	0	0	0	0	136521
1984	0	0	0	186625	0	0	0	0	0	0	0	0	0	0	0	186625
1985	0	0	0	0	0	0	7748	54911	0	0	0	0	0	0	0	62659
1986	0	0	0	147571	0	0	10906	8965	0	0	0	0	0	0	0	167442
1987	0	0	0	104544	0	0	27473	9560	0	0	0	0	0	0	0	141577
1988	0	0	0	99173	0	0	3756	5394	0	0	0	0	0	0	0	108323
1989	0	0	0	18990	0	0	4110	1026	0	0	0	0	0	0	0	24126
1990	0	0	0	6311	0	0	3763	7802	0	0	0	0	0	0	0	17876
1991	0	0	0	13172	0	0	18580	35521	0	0	0	0	0	0	0	67273
1992	0	0	0	179799	0	0	32163	9258	0	0	0	0	0	0	0*	221220*
1993	0	0	0	110552	0	0	17864	3783	0	0	0	0	0*	0*	0*	132199*
1994	0	0	0	89849	0	0	7334	4832	0	0	0*	0*	0*	0*	0*	102015*
1995	0	0	0	93753	0	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	93753*
1996	0	0	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
1997	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
1998	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
1999	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*

Hidden E RIVER SOCKEYE SALMON ADULT RETURN BY AGE CLASS FROM BROOD YEAR ESCAPEMENTS (IN THOUSANDS)

BROOD YEAR	ESCAPEMENT	ADULT RETURN 1.2	%	1.3	%	1.3/1.2	1.3/1FW	2.2	%	2.3	%	2.3/2.2	2.3/2FW	TOTAL	RTN PER SPAWNER
1960	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1961	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1962	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1963	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1964	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1965	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1966	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1967	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1968	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1969	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1970	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1971	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1972	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1973	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1974	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1975	0	0	0	0	10	.000	1.000	4	89	0	0	.000	.000	4	.00
1976	0	33	85	2	7	.089	.082	2	6	0	0	.000	.000	38	.00
1977	0	14	97	0	2	.022	.021	0	0	0	0	.000	.000	14	.00
1978	0	0	100	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1979	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1980	14	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1981	7	0	0	6	57	.000	1.000	4	42	0	0	.000	.000	11	1.43
1982	0	47	83	6	11	.137	.121	2	4	0	0	.000	.000	56	191.78
1983	0	118	86	10	7	.091	.083	7	5	0	0	.000	.000	136	.00
1984	0	186	100	0	0	.000	.000	0	0	0	0	.000	.000	186	.00
1985	0	0	0	7	12	.000	1.000	54	87	0	0	.000	.000	62	.00
1986	10	147	88	10	6	.074	.069	8	5	0	0	.000	.000	167	16.47
1987	32	104	73	27	19	.263	.208	9	6	0	0	.000	.000	141	4.34
1988	39	99	91	3	3	.038	.036	5	4	0	0	.000	.000	108	2.73
1989	0	18	78	4	17	.216	.178	1	4	0	0	.000	.000	24	.00
1990	63	6	35	3	21	.596	.374	7	43	0	0	.000	.000	17	.28
1991	32	13	19	18	27	1.411	.585	35	52	0	0	.000	.000	67	2.05
1992	20	179	81	32	14	.179	.152	9	4	0	0	.000	.000	221	11.02
1993	6	110	83	17	13	.162	.139	3	2	0	0	.000	.000	132	19.68
1994	3	89	88	7	7	.082	.075	4	4	0*	0*	.000*	.000*	102*	29.93*
1995	6	93	100	0	0*	.000*	.000*	0*	0*	0*	0*	.000*	.000*	93*	14.80*
1996	48	0*	0*	0*	0*	.000*	.000*	0*	0*	0*	0*	.000*	.000*	0*	.00*
1997	40	0*	0*	0*	0*	.000*	.000*	0*	0*	0*	0*	.000*	.000*	0*	.00*
1998	52	0*	0*	0*	0*	.000*	.000*	0*	0*	0*	0*	.000*	.000*	0*	.00*
1999	35	0*	0*	0*	0*	.000*	.000*	0*	0*	0*	0*	.000*	.000*	0*	.00*

Table 2. (continued)

RIVER SOCKEYE TOTAL RUN FROM BROOD YEAR INCLUDING ESTIMATES OF INTERCEPTION CATCHES

BROOD YEAR	RETURN BY AGE CLASS 0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	2.4	3.3	3.4	TOTAL
1960	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1961	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1962	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1963	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1964	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1965	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1966	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1967	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1968	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0*	0*
1993	0	0	0	0	0	0	0	0	0	0	0	0	0*	0*	0*	0*
1994	0	0	0	0	0	0	0	0	0	0	0*	0*	0*	0*	0*	0*
1995	0	0	0	0	0	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
1996	0	0	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
1997	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
1998	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
1999	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*

RIVER SOCKEYE SALMON ADULT RETURN BY AGE CLASS FROM BROOD YEAR ESCAPEMENTS (IN THOUSANDS)

BROOD YEAR	ESCAPEMENT	ADULT RETURN 1.2	%	1.3	%	1.3 /1.2	1.3 /1FW	2.2	%	2.3	%	2.3 /2.2	2.3 /2FW	TOTAL	RTN PER SPAWNER
1960	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1961	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1962	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1963	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1964	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1965	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1966	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1967	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1968	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1969	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1970	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1971	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1972	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1973	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1974	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1975	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1976	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1977	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1978	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1979	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1980	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1981	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1982	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1983	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1984	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1985	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1986	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1987	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1988	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1989	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1990	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1991	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1992	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1993	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1994	0	0	0	0	0	.000	.000	0	0	0*	0*	.000*	.000*	0*	.00*
1995	0	0	0	0	0*	.000*	.000*	0*	0*	0*	0*	.000*	.000*	0*	.00*
1996	0	0*	0*	0*	0*	.000*	.000*	0*	0*	0*	0*	.000*	.000*	0*	.00*
1997	0	0*	0*	0*	0*	.000*	.000*	0*	0*	0*	0*	.000*	.000*	0*	.00*
1998	0	0*	0*	0*	0*	.000*	.000*	0*	0*	0*	0*	.000*	.000*	0*	.00*
1999	0	0*	0*	0*	0*	.000*	.000*	0*	0*	0*	0*	.000*	.000*	0*	.00*

Table 2. (continued)

FISH RIVER SOCKEYE TOTAL RUN FROM BROOD YEAR INCLUDING ESTIMATES OF INTERCEPTION CATCHES

BROOD YEAR	RETURN BY AGE CLASS 0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	2.4	3.3	3.4	TOTAL
1960	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1961	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1962	0	0	0	0	0	0	0	0	0	20	59	39	0	0	0	118
1963	0	0	0	0	0	0	3335	941	0	0	0	0	0	0	0	4276
1964	0	0	0	10867	157	0	648	124	0	200	0	0	0	0	0	11996
1965	0	4198	0	4148	0	0	1350	375	0	0	0	0	0	0	0	10071
1966	0	7536	0	19350	100	0	1978	893	0	0	218	0	0	0	0	30075
1967	0	3625	0	26190	159	0	13425	157	0	0	22	70	0	0	0	43648
1968	0	2680	0	5375	0	0	548	1670	0	0	54	0	0	0	0	10327
1969	0	94	0	1136	19	0	283	680	0	0	0	0	0	0	0	2212
1970	0	747	0	4186	75	0	1192	4692	0	0	45	0	0	0	1811	12748
1971	0	15767	0	57225	582	0	11555	2009	0	0	0	0	810	0	0	87948
1972	0	2243	0	21860	222	0	5814	277	0	0	140	0	0	0	0	30556
1973	0	240	0	3226	10	0	709	139	0	0	0	0	0	0	0	4324
1974	0	601	0	4649	0	0	966	1273	0	0	0	0	0	0	0	7489
1975	0	1884	0	107897	0	0	23756	12632	501	0	437	0	0	0	0	147107
1976	0	11222	0	68712	2380	0	37891	4461	0	0	2063	0	0	0	0	126729
1977	0	3269	0	57873	0	0	60506	1315	0	0	924	0	0	0	0	123887
1978	0	875	0	14932	0	0	4413	6911	0	0	5297	711	0	0	0	33139
1979	0	2453	0	278818	609	0	33859	32549	0	0	2161	0	0	0	0	350449
1980	0	11644	0	258435	1347	0	82294	6400	0	157	1551	0	0	0	0	361828
1981	0	1391	0	71006	184	0	24334	11503	0	0	0	0	0	0	0	108418
1982	0	4904	0	44339	1084	0	12463	17643	0	0	0	0	0	0	0	80433
1983	0	4264	0	226684	0	0	6208	8383	0	0	8611	413	0	0	0	254563
1984	0	8195	0	240607	1075	0	42266	15431	0	0	17872	0	0	0	0	325446
1985	0	16344	0	94928	5173	0	85722	38397	181	0	4175	0	0	0	0	244920
1986	0	7537	0	51882	595	0	24354	7257	0	0	2958	239	0	0	0	94822
1987	0	619	0	95467	0	0	30335	42526	0	0	26699	0	0	0	0	195646
1988	0	5742	0	162822	595	0	150788	69344	0	0	19466	0	0	1088	0	409845
1989	0	724	0	192031	1170	0	47895	44081	0	0	41286	1161	0	0	0	328348
1990	0	1701	0	103150	2056	0	87510	37079	0	918	9372	376	0	0	0	242162
1991	0	6513	0	142530	1822	0	27988	43140	0	264	9186	0	0	151	0	231594
1992	0	10635	0	150513	381	0	43882	10501	0	68	5627	165	0	0	0*	221772*
1993	0	653	0	64713	0	0	31174	2739	0	111	672	85	0*	0*	0*	100147*
1994	0	126	194	4465	163	0	1433	3959	0	0	0*	0*	0*	0*	0*	10340*
1995	6	147	0	35909	265	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	36327*
1996	0	3211	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	3211*
1997	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
1998	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
1999	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*

FISH RIVER SOCKEYE SALMON ADULT RETURN BY AGE CLASS FROM BROOD YEAR ESCAPEMENTS (IN THOUSANDS)

BROOD YEAR	ESCAPEMENT	ADULT RETURN 1.2	%	1.3	%	1.3 /1.2	1.3 /1FW	2.2	%	2.3	%	2.3 /2.2	2.3 /2FW	TOTAL	RTN PER SPAWNER
1960	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1961	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1962	0	0	0	0	0	.000	.000	0	0	0	50	.000	1.000	0	.00
1963	0	0	0	3	77	.000	1.000	0	22	0	0	.000	.000	4	.00
1964	0	10	90	0	5	.060	.056	0	1	0	0	.000	.000	11	.00
1965	0	4	41	1	13	.325	.246	0	3	0	0	.000	.000	10	.00
1966	0	19	64	1	6	.102	.093	0	2	0	0	.244	.196	30	.00
1967	0	26	60	13	30	.513	.339	0	0	0	0	.140	.123	43	.00
1968	19	5	52	0	5	.102	.093	1	16	0	0	.032	.031	10	.53
1969	12	1	51	0	12	.249	.199	0	30	0	0	.000	.000	2	.18
1970	25	4	32	1	9	.285	.222	4	36	0	0	.010	.009	12	.51
1971	31	57	65	11	13	.202	.168	2	2	0	0	.000	.000	87	2.76
1972	6	21	71	5	19	.266	.210	0	0	0	0	.505	.336	30	4.38
1973	2	3	74	0	16	.220	.180	0	3	0	0	.000	.000	4	1.60
1974	16	4	62	0	12	.208	.172	1	16	0	0	.000	.000	7	.46
1975	29	107	73	23	16	.220	.180	12	8	0	0	.035	.033	147	4.92
1976	14	68	54	37	29	.551	.355	4	3	2	1	.462	.316	126	9.03
1977	5	57	46	60	48	1.045	.511	1	1	0	0	.703	.413	123	24.07
1978	3	14	45	4	13	.296	.228	6	20	5	15	.766	.434	33	9.32
1979	68	278	79	33	9	.121	.108	32	9	2	0	.066	.062	350	5.11
1980	62	258	71	82	22	.318	.242	6	1	1	0	.242	.195	361	5.78
1981	50	71	65	24	22	.343	.255	11	10	0	0	.000	.000	108	2.15
1982	28	44	55	12	15	.281	.219	17	21	0	0	.000	.000	80	2.87
1983	112	226	89	6	2	.027	.027	8	3	8	3	1.027	.507	254	2.26
1984	191	240	73	42	12	.176	.149	15	4	17	5	1.158	.537	325	1.70
1985	68	94	38	85	35	.903	.475	38	15	4	1	.109	.098	244	3.58
1986	29	51	54	24	25	.469	.319	7	7	2	3	.408	.290	94	3.19
1987	89	95	48	30	15	.318	.241	42	21	26	13	.628	.386	195	2.18
1988	69	162	39	150	36	.926	.481	69	16	19	4	.281	.219	409	5.93
1989	63	192	58	47	14	.249	.200	44	13	41	12	.937	.484	328	5.17
1990	46	103	42	87	36	.848	.459	37	15	9	3	.253	.202	242	5.23
1991	58	142	61	27	12	.196	.164	43	18	9	3	.213	.176	231	3.97
1992	70	150	67	43	19	.292	.226	10	4	5	2	.536	.349	221	3.13
1993	116	64	64	31	31	.482	.325	2	2	0	0	.245	.197	100	.86
1994	94	4	43	1	13	.321	.243	3	38	0*	0*	.000 *	.000 *	10 *	.11 *
1995	114	35	98	0	0*	.000 *	.000 *	0*	0*	0*	0*	.000 *	.000 *	36 *	.32 *
1996	63	0*	0*	0*	0*	.000 *	.000 *	0*	0*	0*	0*	.000 *	.000 *	3 *	.05 *
1997	54	0*	0*	0*	0*	.000 *	.000 *	0*	0*	0*	0*	.000 *	.000 *	0 *	.00 *
1998	22	0*	0*	0*	0*	.000 *	.000 *	0*	0*	0*	0*	.000 *	.000 *	0 *	.00 *
1999	26	0*	0*	0*	0*	.000 *	.000 *	0*	0*	0*	0*	.000 *	.000 *	0 *	.00 *

Table 2. (continued)

RIVER SOCKEYE TOTAL RUN FROM BROOD YEAR INCLUDING ESTIMATES OF INTERCEPTION CATCHES

BROOD YEAR	RETURN BY AGE CLASS 0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	2.4	3.3	3.4	TOTAL
1960	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1961	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1962	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1963	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1964	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1965	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1966	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1967	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1968	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	0	0	0	0	0	0	0	0	0	0	0	0	518	233	0	751
1971	0	0	0	0	0	0	0	0	0	187	0	646	0	0	0	833
1972	0	0	0	0	0	0	0	0	195	0	0	0	0	0	0	195
1973	0	0	0	0	0	0	0	0	0	0	0	0	124	304	0	428
1974	466	0	0	0	0	0	0	0	0	0	0	0	0	0	0	466
1975	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0	228	0	91	319
1977	0	0	0	0	0	0	0	0	103	0	0	0	0	0	0	103
1978	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	74	0	0	0	0	0	0	0	106	0	180
1980	0	0	0	0	0	0	0	0	0	0	0	1436	0	0	0	1436
1981	0	0	0	0	0	106	0	0	1033	0	0	41	0	0	0	1180
1982	0	0	0	0	0	0	0	0	0	0	0	0	0	0	197	197
1983	0	0	0	0	531	0	0	0	0	0	0	0	0	0	0	531
1984	0	0	0	0	0	0	0	0	0	0	0	0	0	95	0	95
1985	0	0	0	0	0	0	0	0	0	0	0	177	0	0	0	177
1986	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0	0	0	0	446	0	446
1988	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0	0	0	38	0	38
1990	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	0	0	0	0	0	0	47	0	0	0	47
1992	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0*	0*
1993	0	0	0	0	0	0	0	0	0	0	0	0	0*	0*	0*	0*
1994	0	0	0	0	0	0	0	0	0	0	0*	0*	0*	0*	0*	0*
1995	0	0	0	0	0	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
1996	0	0	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
1997	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
1998	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
1999	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*

RIVER SOCKEYE SALMON ADULT RETURN BY AGE CLASS FROM BROOD YEAR ESCAPEMENTS (IN THOUSANDS)

BROOD YEAR	ESCAPEMENT	ADULT RETURN 1.2	%	1.3	%	1.3 /1.2	1.3 /1FW	2.2	%	2.3	%	2.3 /2.2	2.3 /2FW	TOTAL	RTN PER SPAWNER
1960	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1961	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1962	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1963	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1964	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1965	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1966	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1967	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1968	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1969	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1970	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1971	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1972	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1973	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1974	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1975	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1976	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1977	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1978	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1979	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1980	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	1	.00
1981	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	1	.00
1982	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1983	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1984	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1985	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1986	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1987	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1988	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1989	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1990	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1991	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1992	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1993	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1994	0	0	0	0	0	.000	.000	0	0	0*	0*	.000*	.000*	0*	.00*
1995	0	0	0	0	0*	.000*	.000*	0*	0*	0*	0*	.000*	.000*	0*	.00*
1996	0	0*	0*	0*	0*	.000*	.000*	0*	0*	0*	0*	.000*	.000*	0*	.00*
1997	0	0*	0*	0*	0*	.000*	.000*	0*	0*	0*	0*	.000*	.000*	0*	.00*
1998	0	0*	0*	0*	0*	.000*	.000*	0*	0*	0*	0*	.000*	.000*	0*	.00*
1999	0	0*	0*	0*	0*	.000*	.000*	0*	0*	0*	0*	.000*	.000*	0*	.00*

Table 2. (continued)

OTHER RIVER SOCKEYE TOTAL RUN FROM BROOD YEAR INCLUDING ESTIMATES OF INTERCEPTION CATCHES

BROOD YEAR	RETURN BY AGE CLASS 0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	2.4	3.3	3.4	TOTAL
1960	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1961	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1962	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1963	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1964	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1965	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1966	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1967	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1968	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	0	0	0	0	0	0	0	0	0	0	33301	0	0	0	0	33301
1971	0	0	0	0	0	0	192079	34835	0	0	56383	0	0	0	0	283297
1972	0	0	0	63099	0	0	277718	31674	0	0	24240	0	0	0	0	396731
1973	0	0	11062	30110	1	0	320426	19306	0	323	12022	0	0	0	0	393250
1974	0	2	0	38963	0	0	114894	36985	440	6	74819	0	0	0	0	266109
1975	0	0	5105	72828	83	0	189051	35476	0	3	15574	0	0	0	0	318120
1976	6	133	0	56611	1	0	254021	25832	0	2064	43717	0	0	0	0	382385
1977	0	4	0	43790	2	0	447927	8681	0	4583	63395	0	2448	24	0	570854
1978	0	3	0	23817	0	0	596376	15498	0	5400	108024	73	3649	0	0	752840
1979	0	64	40795	72304	1	0	300720	29905	0	4793	84147	565	3	0	0	533297
1980	1697	2	14298	47205	1	0	522658	30080	0	1018	98826	1	0	0	0	715786
1981	132	19	16829	53605	6	0	426789	51366	0	469	102295	0	700	0	0	652210
1982	318	5	8604	80666	1	0	1027811	35831	0	1464	132658	438	1060	4835	0	1293691
1983	337	1	11550	60374	0	0	576258	66381	0	2563	210195	58	1317	1800	819	931653
1984	96	2	3820	56060	355	0	153938	40914	770	2097	180127	524	0	0	0	438703
1985	296	72	3588	40004	2917	1268	338091	24478	0	2169	106714	0	734	0	0	520331
1986	1692	1712	14930	27980	1	675	263990	22481	0	1067	87639	0	1663	1102	0	424932
1987	1580	1	10107	37793	48	0	1028782	18484	0	9183	297094	124	2363	3	0	1405562
1988	1	2	17611	12621	0	0	242362	42414	0	656	143107	63	141	158	0	459136
1989	34	1	8037	25988	33	0	386219	42697	1	3565	178707	450	988	97	0	646817
1990	83	0	4089	25463	759	0	197130	46393	51	1518	94278	52	276	1013	0	371105
1991	91	1	3352	68332	820	0	360094	57962	0	1786	118789	220	672	889	0	613008
1992	66	2	1617	40202	588	0	432127	18152	0	1344	62720	244	419	2114	0*	559595*
1993	280	97	8945	27287	0	30	174684	32917	0	2414	84422	584	0*	0*	0*	331660*
1994	32	0	3647	59147	15	0	270331	47448	0	0	0*	0*	0*	0*	0*	380620*
1995	330	2	9142	51643	762	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	61879*
1996	279	52	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	331*
1997	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
1998	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
1999	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*

OTHER RIVER SOCKEYE SALMON ADULT RETURN BY AGE CLASS FROM BROOD YEAR ESCAPEMENTS (IN THOUSANDS)

BROOD YEAR	ESCAPEMENT	ADULT RETURN 1.2	%	1.3	%	1.3 /1.2	1.3 /1FW	2.2	%	2.3	%	2.3 /2.2	2.3 /2FW	TOTAL	RTN PER SPAWNER
1960	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1961	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1962	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1963	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1964	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1965	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1966	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1967	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1968	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1969	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1970	0	0	0	0	0	.000	.000	0	0	33	100	.000	1.000	33	.00
1971	0	0	0	192	67	.000	1.000	34	12	56	19	1.619	.618	283	.00
1972	0	63	15	277	70	4.401	.815	31	7	24	6	.765	.434	396	.00
1973	0	30	7	320	81	10.642	.914	19	4	12	3	.623	.384	393	.00
1974	0	38	14	114	43	2.949	.747	36	13	74	28	2.023	.669	266	.00
1975	0	72	22	189	59	2.596	.722	35	11	15	4	.439	.305	318	.00
1976	104	56	14	254	66	4.487	.818	25	6	43	11	1.692	.629	382	3.67
1977	178	43	7	447	78	10.229	.911	8	1	63	11	7.303	.880	570	3.19
1978	103	23	3	596	79	25.040	.962	15	2	108	14	6.970	.875	752	7.30
1979	112	72	13	300	56	4.159	.806	29	5	84	15	2.814	.738	533	4.74
1980	148	47	6	522	73	11.072	.917	30	4	98	13	3.285	.767	715	4.81
1981	164	53	8	426	65	7.962	.888	51	7	102	15	1.991	.666	652	3.97
1982	161	80	6	1027	79	12.742	.927	35	2	132	10	3.702	.787	1293	8.01
1983	184	60	6	576	61	9.545	.905	66	7	210	22	3.166	.760	931	5.06
1984	174	56	12	153	35	2.746	.733	40	9	180	41	4.403	.815	438	2.51
1985	214	40	7	338	64	8.451	.894	24	4	106	20	4.360	.813	520	2.42
1986	162	27	6	263	62	9.435	.904	22	5	87	20	3.898	.796	424	2.62
1987	327	37	2	1028	73	27.221	.965	18	1	297	21	16.073	.941	1405	4.29
1988	210	12	2	242	52	19.203	.951	42	9	143	31	3.374	.771	459	2.18
1989	312	25	4	386	59	14.861	.937	42	6	178	27	4.185	.807	646	2.07
1990	176	25	6	197	53	7.742	.886	46	12	94	25	2.032	.670	371	2.10
1991	180	68	11	360	58	5.270	.841	57	9	118	19	2.049	.672	613	3.40
1992	215	40	7	432	77	10.749	.915	18	3	62	11	3.455	.776	559	2.59
1993	209	27	8	174	52	6.402	.865	32	9	84	25	2.565	.719	331	1.58
1994	237	59	15	270	71	4.570	.820	47	12	0*	0 *	.000 *	.000 *	380 *	1.60 *
1995	185	51	83	0	0 *	.000 *	.000 *	0*	0 *	0*	0 *	.000 *	.000 *	61 *	.33 *
1996	196	0*	0 *	0*	0 *	.000 *	.000 *	0*	0 *	0*	0 *	.000 *	.000 *	0 *	.00 *
1997	264	0*	0 *	0*	0 *	.000 *	.000 *	0*	0 *	0*	0 *	.000 *	.000 *	0 *	.00 *
1998	203	0*	0 *	0*	0 *	.000 *	.000 *	0*	0 *	0*	0 *	.000 *	.000 *	0 *	.00 *
1999	210	0*	0 *	0*	0 *	.000 *	.000 *	0*	0 *	0*	0 *	.000 *	.000 *	0 *	.00 *

Table 2. (continued)

ALL UCI RIVER SOCKEYE TOTAL RUN FROM BROOD YEAR INCLUDING ESTIMATES OF INTERCEPTION CATCHES

BROOD YEAR	RETURN BY AGE CLASS 0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	2.4	3.3	3.4	TOTAL
1960	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1961	0	0	0	0	0	0	0	0	0	0	0	0	122	0	0	122
1962	0	0	0	0	0	0	0	0	0	1844	43303	359	242	265	786	46799
1963	0	0	0	0	0	0	134058	19240	0	2112	22268	5	1401	0	0	179084
1964	0	0	122	106517	1295	0	91740	36909	159	2380	22252	2920	0	0	0	264294
1965	183	5583	83	39270	1950	0	42098	29199	657	4613	64605	107	3666	236	0	192250
1966	124	8675	0	54974	19229	0	278462	130276	0	9742	264399	3165	2975	9	1567	773597
1967	0	4475	0	90873	8859	0	712551	166869	0	10110	134957	106	72	0	8941	1137813
1968	0	2812	108	307913	1703	0	862153	86388	0	707	78209	0	0	0	0	1339993
1969	0	1267	7672	110631	5217	0	458639	93219	0	5391	88774	863	533	0	0	772206
1970	348	4257	0	190655	5510	0	435689	231446	0	1879	221172	7337	518	233	1811	1100855
1971	0	18626	0	265158	7189	0	936947	412629	0	7810	350962	803	810	0	0	2000934
1972	0	9086	0	853986	14895	0	2322599	330214	195	910	198967	0	0	0	0	3730852
1973	0	18920	12628	397220	2655	0	2533801	157318	0	567	62454	0	124	304	0	3185991
1974	466	5964	0	514584	8776	0	797166	176504	440	4344	274197	0	0	0	0	1782441
1975	0	5377	14496	721359	1222	0	1233554	282755	501	1146	133310	0	0	0	0	2393720
1976	2921	25621	0	892756	7099	0	1916394	174607	844	4840	306726	0	880	0	91	3332779
1977	0	41008	0	488979	2492	0	3597642	141729	103	24174	473697	0	2687	493	0	4773004
1978	0	2693	0	455703	1553	673	4328640	236145	0	38592	582656	6108	3649	0	0	5656412
1979	0	11539	75982	1340240	6121	74	1471972	378346	0	22929	551416	5044	3182	106	0	3866951
1980	6223	19631	51190	938963	5720	749	3040449	606716	91	19569	845224	2707	720	0	0	5537952
1981	2780	7996	48717	1437913	5749	106	2979366	632147	1033	9959	952226	371	3838	0	0	6082201
1982	10355	22083	54427	1548751	3877	2172	9010128	658263	0	26985	1100365	513	8555	5012	197	12451683
1983	6170	4265	55914	1426630	1111	0	5540762	632823	0	46997	3847936	648	11916	1833	819	11577824
1984	4979	10102	20077	1158702	9734	0	2055099	971988	6277	25009	1233458	8018	693	95	0	5504231
1985	5842	20156	30063	524798	23660	1268	2485615	490760	181	7697	559811	792	2755	611	0	4154009
1986	12782	14863	50540	675577	3317	2554	1636943	375483	0	11641	1109849	1132	11604	1102	0	3907387
1987	6670	6341	73639	979913	3922	0	8491079	682486	0	105444	2583199	1090	15494	449	0	12949726
1988	3035	6795	30663	555139	7788	0	2261413	633587	438	20481	951050	2337	4103	1375	0	4478204
1989	5218	3035	63098	739036	61206	1134	3128066	757618	1143	23471	1339936	3055	16424	135	0	6142575
1990	4746	5099	34849	562857	13620	0	1479017	492327	51	12672	565116	2407	3387	2684	0	3178832
1991	5490	11293	39334	1124291	20986	0	3625438	592205	1425	18525	936594	2783	3225	3676	0	6385265
1992	6251	15284	22279	778686	10226	0	4376626	312549	0	20452	441930	2950	4549	2187	0*	5993969*
1993	8265	1611	89633	657523	5903	30	1328546	365596	1265	19829	557729	13001	0*	0*	0*	3048931*
1994	3944	1876	25103	734966	61773	0	2405181	676330	1385	0	0*	0*	0*	0*	0*	3910558*
1995	3419	4092	36773	804704	13891	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	862879*
1996	9186	13423	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	22609*
1997	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
1998	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
1999	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*

ALL UCI RIVER SOCKEYE SALMON ADULT RETURN BY AGE CLASS FROM BROOD YEAR ESCAPEMENTS (IN THOUSANDS)

BROOD YEAR	ESCAPEMENT	ADULT RETURN 1.2	%	1.3	%	1.3/1.2	1.3/1FW	2.2	%	2.3	%	2.3/2.2	2.3/2FW	TOTAL	RTN PER SPAWNER
1960	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1961	0	0	0	0	0	.000	.000	0	0	0	0	.000	.000	0	.00
1962	0	0	0	0	0	.000	.000	0	0	43	92	.000	1.000	46	.00
1963	0	0	0	134	74	.000	1.000	19	10	22	12	1.157	.536	179	.00
1964	0	106	40	91	34	.861	.463	36	13	22	8	.603	.376	264	.00
1965	0	39	20	42	21	1.072	.517	29	15	64	33	2.213	.689	192	.00
1966	0	54	7	278	35	5.065	.835	130	16	264	34	2.030	.670	773	.00
1967	0	90	7	712	62	7.841	.887	166	14	134	11	.809	.447	1137	.00
1968	306	307	22	862	64	2.800	.737	86	6	78	5	.905	.475	1339	4.37
1969	202	110	14	458	59	4.146	.806	93	12	88	11	.952	.488	772	3.81
1970	179	190	17	435	39	2.285	.696	231	21	221	20	.956	.489	1100	6.12
1971	569	265	13	936	46	3.534	.779	412	20	350	17	.851	.460	2000	3.51
1972	575	853	22	2322	62	2.720	.731	330	8	198	5	.603	.376	3730	6.48
1973	545	397	12	2533	79	6.379	.864	157	4	62	1	.397	.284	3185	5.84
1974	330	514	28	797	44	1.549	.608	176	9	274	15	1.553	.608	1782	5.40
1975	355	721	30	1233	51	1.710	.631	282	11	133	5	.471	.320	2393	6.74
1976	766	892	26	1916	57	2.147	.682	174	5	306	9	1.757	.637	3332	4.35
1977	1320	488	10	3597	75	7.357	.880	141	2	473	9	3.342	.770	4773	3.61
1978	733	455	8	4328	76	9.499	.905	236	4	582	10	2.467	.712	5656	7.71
1979	818	1340	34	1471	38	1.098	.523	378	9	551	14	1.457	.593	3866	4.72
1980	1082	938	16	3040	54	3.238	.764	606	10	845	15	1.393	.582	5537	5.12
1981	1209	1437	23	2979	48	2.072	.674	632	10	952	15	1.506	.601	6082	5.03
1982	1170	1548	12	9010	72	5.818	.853	658	5	1100	8	1.672	.626	12451	10.63
1983	1317	1426	12	5540	47	3.884	.795	632	5	3847	33	6.081	.859	11577	8.79
1984	1289	1158	21	2055	37	1.774	.639	971	17	1233	22	1.269	.559	5504	4.27
1985	1527	524	12	2485	59	4.736	.826	490	11	559	13	1.141	.533	4154	2.72
1986	1134	675	17	1636	41	2.423	.708	375	9	1109	28	2.956	.747	3907	3.44
1987	2263	979	7	8491	65	8.665	.897	682	5	2583	19	3.785	.791	12949	5.72
1988	1455	555	12	2261	50	4.074	.803	633	14	951	21	1.501	.600	4478	3.08
1989	2114	739	12	3128	50	4.233	.809	757	12	1339	21	1.769	.639	6142	2.90
1990	1184	562	17	1479	46	2.628	.724	492	15	565	17	1.148	.534	3178	2.68
1991	1129	1124	17	3625	56	3.225	.763	592	9	936	14	1.582	.613	6385	5.65
1992	1418	778	12	4376	73	5.621	.849	312	5	441	7	1.414	.586	5993	4.23
1993	1450	657	21	1328	43	2.021	.669	365	11	557	18	1.526	.604	3048	2.10
1994	1696	734	18	2405	61	3.273	.766	676	17	0*	0*	.000*	.000*	3910*	2.31*
1995	1302	804	93	0	0*	.000*	.000*	0*	0*	0*	0*	.000*	.000*	862*	.66*
1996	1299	0*	0*	0*	0*	.000*	.000*	0*	0*	0*	0*	.000*	.000*	22*	.02*
1997	1853	0*	0*	0*	0*	.000*	.000*	0*	0*	0*	0*	.000*	.000*	0*	.00*
1998	1320	0*	0*	0*	0*	.000*	.000*	0*	0*	0*	0*	.000*	.000*	0*	.00*
1999	1408	0*	0*	0*	0*	.000*	.000*	0*	0*	0*	0*	.000*	.000*	0*	.00*

* Escapement refers to spawners

Table 3. Summary of historical fishery statistics for Kenai River sockeye salmon, 1981-1999

			Sockeye Salmon of Kenai Origin																	
					Sport Harvest[d]		Sport Harvest[d]					Sport Harvest								
Year	Total Sockeye Salmon Return[a]	Total Sockeye of Kenai Origin[b]	Commercial Harvest	PU/Sub Harvest[c]	Cook Inlet to Sonar	Inriver Sonar	Sonar to Bridge	Bridge to Moose R.	Moose R. to Skilak	Hidden PU	Hidden Esc.	Skilak L. & Hidden[e]	Skilak to Kenai L.	Russian R.	Russian Spawners	TOTAL MAINSTREAM SPAWNERS[f]	TOTAL SPAWNERS[g]	TOTAL WILD SPAWNERS[h]	Hidden Enhanced Esc	TOTAL NON-COMMERCIAL HARVEST[i]
1981	2,720,465	931,602	520,698	149	3,116	407,639	2,154	5,336	4,266		15,939		4,849	23,720	44,523	306,852	367,314	359,345	7,970	43,590
1982	4,519,835	2,542,980	1,916,225	0	6,924	619,831	4,786	14,829	12,136		9,790		11,432	10,320	38,400	518,138	566,328	566,034	294	60,427
1983	6,512,406	3,642,386	2,990,905	7,562	13,577	630,340	9,383	22,454	15,180		11,297		10,672	16,000	33,734	511,620	556,651	556,651	0	94,828
1984	3,487,668	1,049,790	702,604	0	2,613	344,571	1,806	2,183	2,300		27,784		6,800	21,970	92,659	189,069	309,512	309,512	0	37,672
1985	5,755,860	2,151,191	1,638,733	805	8,834	502,820	6,106	13,025	13,299		24,784		15,948	58,410	136,969	234,279	396,032	396,032	0	116,427
1986	6,100,930	2,734,280	2,220,604	0	12,522	501,157	8,655	13,846	13,533		17,530		23,842	30,810	40,281	352,660	410,471	400,304	10,167	103,208
1987	12,132,575	8,716,467	7,045,234	24,090	50,274	1,596,871	34,746	65,841	39,926		43,487		50,032	40,575	53,932	1,268,332	1,365,751	1,333,136	32,615	305,484
1988	8,519,797	5,939,485	4,871,759	16,880	29,345	1,021,500	20,282	43,494	29,178		50,907		30,452	19,536	42,476	785,175	878,558	838,851	39,707	189,167
1989	7,548,678	5,861,429	4,144,114	51,192	66,163	1,599,959	45,727	90,550	45,844		7,770		28,942	55,210	138,377	1,187,539	1,333,686	1,333,686	0	383,628
1990	5,000,700	2,852,544	2,169,908	3,477	19,638	659,520	13,572	37,199	22,083		77,959		28,291	56,175	83,434	340,807	502,200	439,053	63,147	180,435
1991	3,652,191	1,835,807	1,137,178	19,203	31,536	647,597	21,795	56,059	24,768	77,060	35,732		27,444	31,449	78,175	295,115	409,022	376,149	32,873	289,314
1992	10,901,396	7,839,118	6,757,063	39,136	47,622	994,798	32,913	85,942	40,617		32,912	1,512	35,398	26,101	63,478	675,925	772,315	752,239	20,076	309,241
1993	6,471,062	3,926,318	3,050,912	34,059	27,717	813,617	19,156	41,466	18,724		11,582	958	30,116	26,722	99,259	565,634	676,475	669,757	6,718	198,918
1994	5,505,881	3,414,886	2,362,545	32,619	15,085	1,003,446	15,278	24,307	12,374		6,086	486	26,572	26,375	122,277	769,691	898,054	894,646	3,408	153,096
1995	4,549,481	2,326,465	1,608,877	51,300	34,158	630,447	15,648	38,602	17,606		7,542	260	19,414	11,805	61,981	457,589	527,112	520,777	6,335	188,793
1996	5,636,889	3,389,941	2,439,938	109,068	46,599	794,335	32,206	58,686	31,401		55,526	673	50,232	20,142	34,691	510,778	600,995	552,687	48,308	349,007
1997	6,412,029	3,987,058	2,766,424	109,287	46,528	1,064,818	32,156	57,294	22,518		56,053	668	25,237	17,635	65,905	787,352	909,310	868,391	40,919	311,323
1998	2,997,023	1,475,979	624,772	97,174	39,302	767,558	27,311	72,697	27,022		67,727	589	23,025	74,299	113,477	361,411	542,615	489,788	52,827	361,419
**1999	4,558,168	2,508,893	1,554,588	136,002	50,000	803,379	27,000	72,000	27,000		49,406	500	24,000	35,000	139,863	428,610	617,879	582,801	35,078	371,502

** Preliminary using estimates of sport harvests

[a] Total Upper Cook Inlet return includes all harvests and escapements.
[b] Total Sockeye of Kenai Origin includes Commercial Harvest, Pu/Subsistence Harvest, Sport Harvest below the Sonar Site, and Inriver Sonary count.
[c] PU/Sub Harvest includes Kenai River personal use dipnet and/or gillnet harvests and Kenaitze fishery.
[d] Sport Harvest numbers from Alaska statewide sport fish harvest series. Harvests above and below sonar site separated based on sport fish study indicating 59% of the harvest from Cook Inlet to the Soldotna bridge is caught below the sonar site at Mile 19.5.
[e] Moose River harvest added in 1998.
[f] TOTAL MAINSTREAM SPAWNERS equals Total Spawners minus Hidden Lake escapement and Russian River escapement.
[g] TOTAL SPAWNERS equals the Kenai Inriver Sonar minus sport caught fish above the sonar site.
[h] TOTAL WILD SPAWNERS equal Total Spawners minus Hidden Lake enhanced.
[i] TOTAL NON-COMMERCIAL HARVEST equals all sport caught, PU and subsistence harvests above and below the sonar site.

filename:historyketbl3.xls

Table 4. Historic sockeye salmon total returns in Upper Cook Inlet, Alaska, 1976-1999.

	Susitna	Kenai	Kasilof	Crescent	Hidden Enhanced	Fish Creek	"Other"	Unallocated	Total Return
1976	318,792	1,234,347	464,871	91,043	0	35,931	323,314	0	2,468,298
1977	496,245	1,916,814	443,500	156,585	0	9,928	406,950	2,245	3,432,267
1978	310,127	1,986,679	582,084	130,387	0	10,142	402,935	0	3,422,354
1979	298,277	654,093	342,742	143,461	0	121,358	242,819	0	1,802,750
1980	396,097	1,224,644	444,100	166,474	37,682	111,250	355,968	427	2,736,642
1981	682,975	912,055	602,174	62,952	19,547	101,537	339,225	0	2,720,465
1982	567,472	2,541,858	720,934	80,807	1,122	81,269	526,270	103	4,519,835
1983	548,987	3,642,386	1,070,297	152,538	0	303,319	794,651	228	6,512,406
1984	671,842	1,049,790	686,167	237,866	0	333,589	508,249	165	3,487,668
1985	603,032	2,151,191	1,808,660	309,373	0	166,949	716,655	0	5,755,860
1986	721,424	2,675,361	1,716,976	170,725	58,919	87,232	667,612	2,681	6,100,930
1987	448,431	8,589,222	1,243,242	220,450	127,245	264,985	1,238,428	572	12,132,575
1988	360,048	5,734,493	948,696	160,449	204,992	272,617	838,502	0	8,519,797
1989	287,884	5,861,429	633,845	126,915	0	174,359	464,246	0	7,548,678
1990	773,332	2,642,314	511,199	73,966	210,230	195,268	594,194	197	5,000,700
1991	483,162	1,711,392	689,132	62,024	124,415	136,995	444,799	272	3,652,191
1992	490,706	7,702,912	1,078,573	85,827	136,206	240,199	1,166,973	0	10,901,396
1993	702,733	3,898,178	710,710	61,485	28,140	441,733	628,083	0	6,471,062
1994	560,807	3,403,439	657,133	43,936	11,447	223,161	605,512	446	5,505,881
1995	593,062	2,301,728	735,691	71,985	24,737	323,111	499,167	0	4,549,481
1996	434,672	3,156,041	968,257	52,867	233,900	233,341	557,773	38	5,636,889
1997	620,036	3,853,570	966,444	82,658	151,973	128,672	608,627	47	6,412,027
1998	357,225	1,475,979	588,651	82,132	111,496	44,899	336,641	0	2,997,023
*1999	387,387	2,508,893	924,754	115,960	105,919	45,645	469,610	0	4,558,168
average	504,781	3,034,534	814,118	122,619	66,165	170,312	572,383	309	5,285,223

*preliminary data

filename: TBL476-99.xls

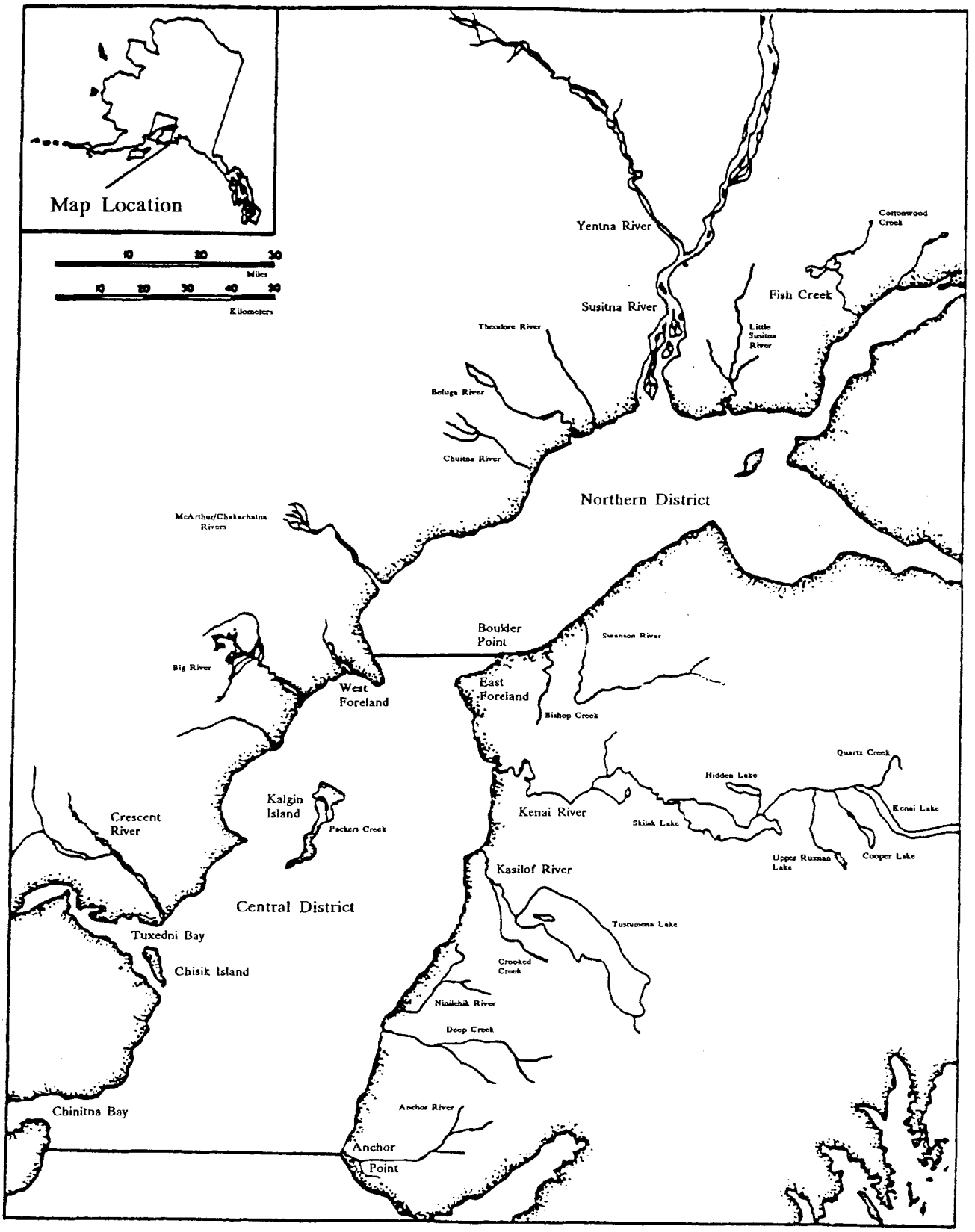

Figure 1. Map of Upper Cook Inlet showing locations of the Northern and Central Districts and the primary salmon spawning drainages.

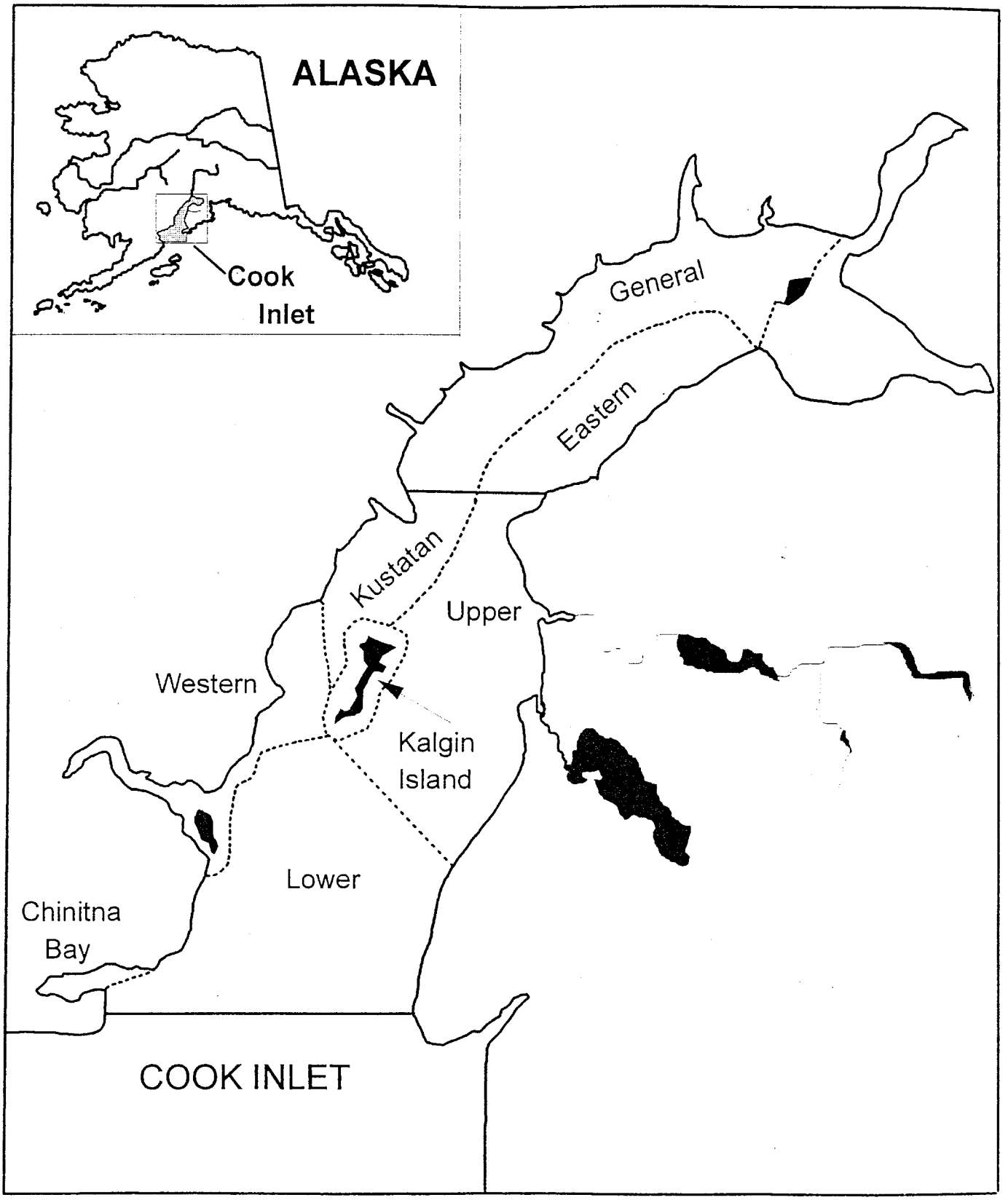

Figure 2. Upper Cook Inlet commercial fisheries subdistrict fishing boundaries.

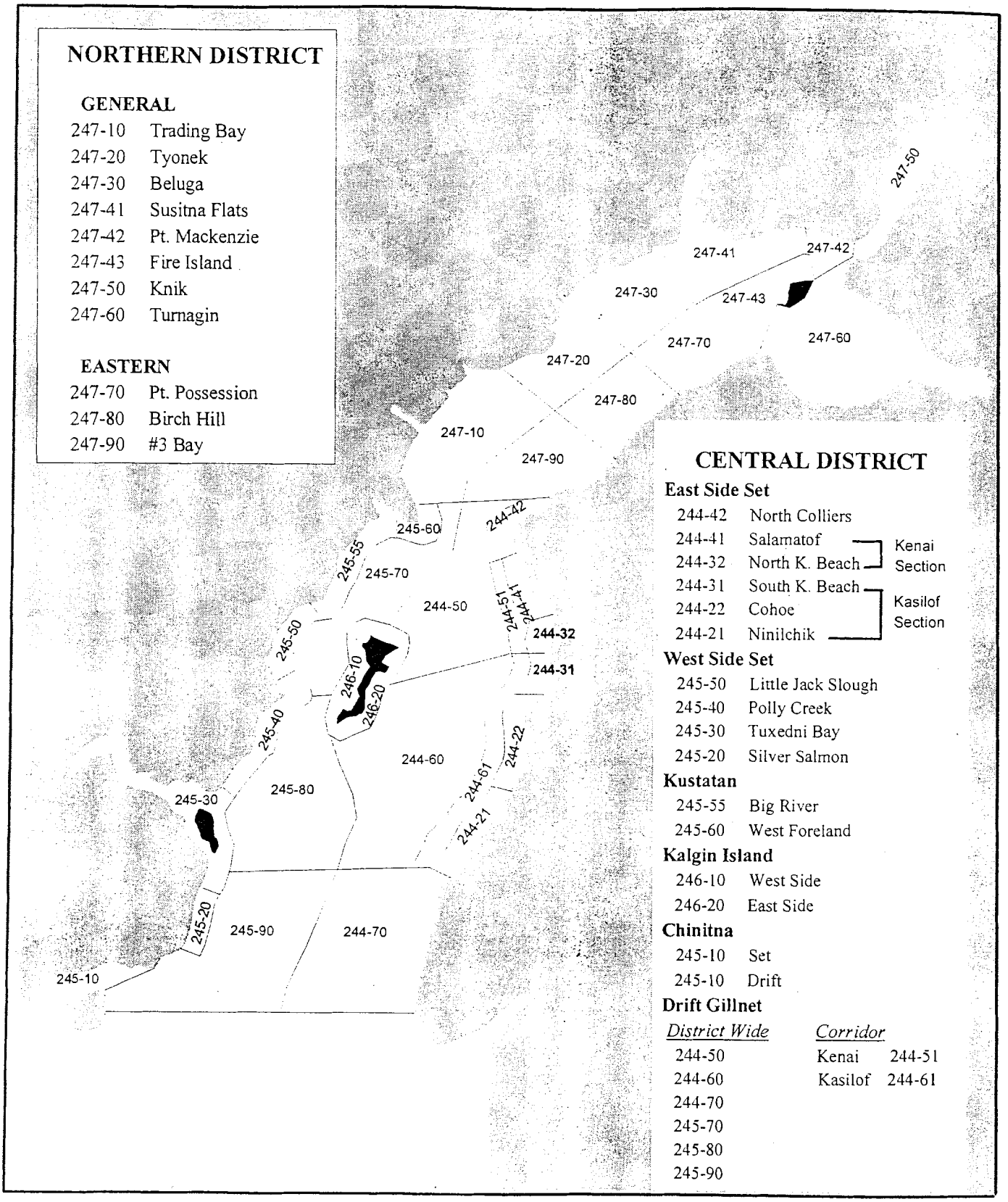

Figure 3. Map of Upper Cook Inlet showing the commercial fishing statistical areas.

Appendix A. Escapement and harvest estimates and age composition data used to estimate total return by river system.

Year: 1980 Revised 3/2000

Filename: 80uageret.xls

Escapement final		Commercial Harvest		Personal Use & Subsistence Harvest		Sport Harvest		
Susitna 1/	190,866	Drift 3/	769,078	Tyonek	262	Susitna River	1,571	
Sunshine	0	Salamatof	131,221	General (goto B298)	2,652	eastside		873
Yentna	0	Kalifonsky	124,189	Kasilof dip net	0	westside		698
Other in river	0	Cohoe/Ninilchik	304,402	Kasilof gill net	0	Kenai River	58,968	
Kenai	464,218	Western	75,612	Western (goto B314)	0	mainstem below sonar		6,878
Kasilof	184,260	Kustatan 4/	3,733	Kenai dip net	0	mainstem above sonar		18,592
Crescent	90,863	Kalgin Island 5/	57,254	Kenai gillnet	3,255	Russian River below falls		33,500
Packers	0	Chinitna Bay 6/	2,461	Kenaitze	0	confluence of Russian River		0
McArthur	0	General- Knik Arm	61,570	Kalgin	0	other Hidden&Skilak		0
Chakachatna	0	Eastern	44,077	Fish dip net	0	Kasilof River	0	
Fish Creek	62,628	Knik Arm	0	Fish gill net	0	mainstem below sonar		0
Other 2/	148,925			Kustatan (goto B298)	0	mainstem above sonar		0
Other	0			Eastern (goto B324)	0	Crescent River	0	
				Knik (goto B321)	0	Packers Creek	0	
				Other combined UCI	2,526	McArthur River	0	
Total	1,141,760		1,573,597	Total	8,695	Chakachatna River	0	
						Fish Creek	43	
						Other	5,717	
						Total	66,299	

Footnotes and sources of information:

Escapement: refers to sonar counts or weir counts

1 / Susistna - age composition of Sunshine used.
2/ Other represents 15% of total monitored escapement - drift age composition used
assume an added 15% for unmonitored escapements for weighting escapement age composition

Commercial Harvest:

3/ Drift represents all substatistical harvest areas with Drift gillnet except Chinitna Bay
4/ Kustatan - age composition of Northern District westside used.
5/ Kalgin Island - age composition of drift used.
6/ Chinitna - age composition of drift used.

Subsistence and Personal Use harvests:
Age composition of nearest river used.

References:
Escapement, Commercial Harvest & Egg Take:
Davis and Tarbox 1985
J. Fox, ADF&G, Soldotna, personal communication
King and Tarbox 1984

Subsistence and Personal Use harvests:
Ruesch and Fox 1998

Sport harvest:
Mills 1981b
Whitmore and Sweet 1998

Summary worksheet for entering escapement age composition (proportions).

River System	Total Escapement	0.2(31) Pr	1.1(32) Pr	0.3(41) Pr	1.2(42) Pr	2.1(43) Pr	0.4(51) Pr	1.3(52) Pr	2.2(53) Pr	3.1(54) Pr	1.4(62) Pr	2.3(63) Pr	3.2(64) Pr	2.4(73) Pr	3.3(74) Pr	3.4(84) Pr	Total
Susitna																	
Sunshine	0	0.0000	0.0220	0.0000	0.4700	0.0010	0.0000	0.4010	0.0420	0.0000	0.0070	0.0570	0.0000	0.0000	0.0000	0.0000	1.0000
Yentna	0	0.0000	0.0220	0.0000	0.4700	0.0010	0.0000	0.4010	0.0420	0.0000	0.0070	0.0570	0.0000	0.0000	0.0000	0.0000	1.0000
Other	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Kenai	464,218	0.0000	0.0610	0.0000	0.3540	0.0090	0.0000	0.3670	0.1440	0.0000	0.0000	0.0650	0.0000	0.0000	0.0000	0.0000	1.0000
Kasilof	184,260	0.0000	0.0210	0.0000	0.6700	0.0000	0.0000	0.2310	0.0500	0.0000	0.0010	0.0270	0.0000	0.0000	0.0000	0.0000	1.0000
Crescent	90,863	0.0000	0.0000	0.0000	0.0660	0.0000	0.0000	0.8740	0.0260	0.0000	0.0180	0.0160	0.0000	0.0000	0.0000	0.0000	1.0000
Packers	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
McArthur	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Chakachatna	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fish Creek	62,628	0.0000	0.0510	0.0000	0.6580	0.0380	0.0000	0.1590	0.0860	0.0080	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000
Other	148,925	0.0000	0.0000	0.0000	0.2190	0.0000	0.0000	0.5210	0.0990	0.0000	0.0000	0.1610	0.0000	0.0000	0.0000	0.0000	1.0000

Summary worksheet for entering commercial harvest age composition (proportions).

Fishery	Commercial Harvest	0.2(31) Pr	1.1(32) Pr	0.3(41) Pr	1.2(42) Pr	2.1(43) Pr	0.4(51) Pr	1.3(52) Pr	2.2(53) Pr	3.1(54) Pr	1.4(62) Pr	2.3(63) Pr	3.2(64) Pr	2.4(73) Pr	3.3(74) Pr	3.4(84) Pr	Total Pr
Drift 3/	769,078	0.0000	0.0000	0.0000	0.2190	0.0000	0.0000	0.5210	0.0990	0.0000	0.0000	0.1610	0.0000	0.0000	0.0000	0.0000	1.000000
Salamatof	131,221	0.0000	0.0020	0.0000	0.2970	0.0010	0.0000	0.4780	0.1130	0.0000	0.0000	0.1090	0.0000	0.0000	0.0000	0.0000	1.000000
Kalifonsky	124,189	0.0000	0.0000	0.0000	0.2650	0.0010	0.0000	0.4950	0.1100	0.0000	0.0020	0.1260	0.0000	0.0010	0.0000	0.0000	1.000000
Cohoe/Ninilchik	304,402	0.0000	0.0010	0.0000	0.4020	0.0000	0.0000	0.3640	0.1380	0.0000	0.0030	0.0910	0.0000	0.0000	0.0010	0.0000	1.000000
Western	75,812	0.0000	0.0000	0.0000	0.1070	0.0000	0.0000	0.7860	0.0670	0.0000	0.0000	0.0400	0.0000	0.0000	0.0000	0.0000	1.000000
Kustatan 4/	3,733	0.0000	0.0020	0.0000	0.3700	0.0000	0.0000	0.4640	0.0890	0.0000	0.0000	0.0750	0.0000	0.0000	0.0000	0.0000	1.000000
Kalgin Island 5/	57,254	0.0000	0.0000	0.0000	0.2190	0.0000	0.0000	0.5210	0.0990	0.0000	0.0000	0.1610	0.0000	0.0000	0.0000	0.0000	1.000000
Chinitna Bay 6/	2,461	0.0000	0.0000	0.0000	0.2190	0.0000	0.0000	0.5210	0.0990	0.0000	0.0000	0.1610	0.0000	0.0000	0.0000	0.0000	1.000000
General- Knik Arm	61,570	0.0000	0.0020	0.0000	0.3700	0.0000	0.0000	0.4640	0.0890	0.0000	0.0000	0.0750	0.0000	0.0000	0.0000	0.0000	1.000000
Eastern	44,077	0.0000	0.0010	0.0000	0.4590	0.0000	0.0000	0.2650	0.2330	0.0000	0.0000	0.0420	0.0000	0.0000	0.0000	0.0000	1.000000

Summary worksheet for deriving returns by river system using escapement age composition.

ort harvest, egg take and cost recovery components		0.2(31) Pr	1.1(32) Pr	0.3(41) Pr	1.2(42) Pr	2.1(43) Pr	0.4(51) Pr	1.3(52) Pr	2.2(53) Pr	3.1(54) Pr	1.4(62) Pr	2.3(63) Pr	3.2(64) Pr	2.4(73) Pr	3.3(74) Pr	3.4(84) Pr	Total
Susitna River																	
eastside sport	873	0.0000	0.0220	0.0000	0.4700	0.0010	0.0000	0.4010	0.0420	0.0000	0.0070	0.0570	0.0000	0.0000	0.0000	0.0000	1.0000
westside sport	698	0.0000	0.0220	0.0000	0.4700	0.0010	0.0000	0.4010	0.0420	0.0000	0.0070	0.0570	0.0000	0.0000	0.0000	0.0000	1.0000
Kenai River																	
mainstem below sonar	6,876	0.0000	0.0610	0.0000	0.3540	0.0090	0.0000	0.3670	0.1440	0.0000	0.0000	0.0650	0.0000	0.0000	0.0000	0.0000	1.0000
mainstem above sonar	18,592	0.0000	0.0610	0.0000	0.3540	0.0090	0.0000	0.3670	0.1440	0.0000	0.0000	0.0650	0.0000	0.0000	0.0000	0.0000	1.0000
Russian River below falls	33,500	0.0000	0.0000	0.0000	0.2520	0.0000	0.0000	0.0740	0.5660	0.0000	0.0000	0.1080	0.0000	0.0000	0.0000	0.0000	1.0000
confluence of Russian River	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
other Hidden & Skilak	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Kasilof River																	
mainstem below sonar	0	0.0000	0.0210	0.0000	0.6700	0.0000	0.0000	0.2310	0.0500	0.0000	0.0010	0.0270	0.0000	0.0000	0.0000	0.0000	1.0000
mainstem above sonar	0	0.0000	0.0210	0.0000	0.6700	0.0000	0.0000	0.2310	0.0500	0.0000	0.0010	0.0270	0.0000	0.0000	0.0000	0.0000	1.0000
egg take	6,030	0.0000	0.0210	0.0000	0.6700	0.0000	0.0000	0.2310	0.0500	0.0000	0.0010	0.0270	0.0000	0.0000	0.0000	0.0000	1.0000
#		0	127	0	4,040	0	0	1,393	302	0	6	163	0	0	0	0	6,030
Crescent	0	0.0000	0.0000	0.0000	0.0660	0.0000	0.0000	0.8740	0.0260	0.0000	0.0180	0.0160	0.0000	0.0000	0.0000	0.0000	1.0000
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Packers Creek																	
egg take	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
cost recovery	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
sport	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
McArthur	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Chakachatna	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fish Creek	43	0.0000	0.0510	0.0000	0.6580	0.0380	0.0000	0.1590	0.0860	0.0080	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000
Other	5,717	0.0000	0.0000	0.0000	0.2190	0.0000	0.0000	0.5210	0.0990	0.0000	0.0000	0.1610	0.0000	0.0000	0.0000	0.0000	1.0000

Adjusted percent for all systems included.

River System	0.2(31) %	1.1(32) %	0.3(41) %	1.2(42) %	2.1(43) %	0.4(51) %	1.3(52) %	2.2(53) %	3.1(54) %	1.4(62) %	2.3(63) %	3.2(64) %	2.4(73) %	3.3(74) %	3.4(84) %	Total
Susitna	0.000	10.588	0.000	19.701	2.831	0.000	16.844	7.525	0.000	42.706	15.281	0.000	0.000	0.000	0.000	115.476
Sunshine																
Yentna																
Other																
Kenai	0.000	71.864	0.000	36.323	82.374	0.000	37.738	63.157	0.000	0.000	42.655	0.000	0.000	0.000	0.000	314.108
Kasilof	0.000	9.610	0.000	26.704	0.000	0.000	9.228	8.518	0.000	5.801	8.883	0.000	0.000	0.000	0.000	68.743
Crescent	0.000	0.000	0.000	1.297	0.000	0.000	17.214	2.184	0.000	51.493	2.011	0.000	0.000	0.000	0.000	74.200
Packers	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
McArthur	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Chakachatna	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fish Creek	0.000	7.938	0.000	8.920	34.795	0.000	2.160	4.983	100.000	0.000	0.000	0.000	0.000	0.000	0.000	158.796
Other	0.000	0.000	0.000	7.055	0.000	0.000	16.819	13.632	0.000	0.000	33.171	0.000	0.000	0.000	0.000	70.678
	0.000	100.000	0.000	100.000	100.000	0.000	100.000	100.000	100.000	100.000	100.000	0.000	0.000	0.000	0.000	

Adjusted percent for Susitna, Kenai, Kasilof, Fish Creek, and Other

River System	0.2(31) %	1.1(32) %	0.3(41) %	1.2(42) %	2.1(43) %	0.4(51) %	1.3(52) %	2.2(53) %	3.1(54) %	1.4(62) %	2.3(63) %	3.2(64) %	2.4(73) %	3.3(74) %	3.4(84) %	Total
Susitna	0.000	10.588	0.000	19.980	2.831	0.000	20.347	7.693	0.000	88.041	15.694	0.000	0.000	0.000	0.000	165.054
Sunshine																
Yentna																
Other																
Kenai	0.000	71.864	0.000	36.800	82.374	0.000	45.583	84.587	0.000	0.000	43.530	0.000	0.000	0.000	0.000	324.718
Kasilof	0.000	9.610	0.000	27.055	0.000	0.000	11.145	8.709	0.000	11.959	7.024	0.000	0.000	0.000	0.000	75.502
Crescent																
Packers																
McArthur																
Chakachatna																
Fish Creek	0.000	7.938	0.000	9.037	34.795	0.000	2.809	5.095	100.000	0.000	0.000	0.000	0.000	0.000	0.000	159.474
Other	0.000	0.000	0.000	7.148	0.000	0.000	20.318	13.938	0.000	0.000	33.851	0.000	0.000	0.000	0.000	75.252
	0.000	100.000	0.000	100.000	100.000	0.000	100.000	100.000	100.000	100.000	100.000	0.000	0.000	0.000	0.000	

Adjusted percent for Kenai and Kasilof only.

River System	0.2(31) %	1.1(32) %	0.3(41) %	1.2(42) %	2.1(43) %	0.4(51) %	1.3(52) %	2.2(53) %	3.1(54) %	1.4(62) %	2.3(63) %	3.2(64) %	2.4(73) %	3.3(74) %	3.4(84) %	Total
Susitna																
Sunshine																
Yentna																
Other																
Kenai	0.000	88.205	0.000	57.830	100.000	0.000	80.354	88.115	0.000	0.000	88.106	0.000	0.000	0.000	0.000	500.410
Kasilof	0.000	11.795	0.000	42.370	0.000	0.000	19.648	11.885	0.000	100.000	13.894	0.000	0.000	0.000	0.000	199.590
Crescent																
Packers																
McArthur																
Chakachatna																
Fish Creek																
Other																
	0.000	100.000	0.000	100.000	100.000	0.000	100.000	100.000	0.000	100.000	100.000	0.000	0.000	0.000	0.000	

Adjusted percent for Susitna, Fish Creek, and Other

River System	0.2(31) %	1.1(32) %	0.3(41) %	1.2(42) %	2.1(43) %	0.4(51) %	1.3(52) %	2.2(53) %	3.1(54) %	1.4(62) %	2.3(63) %	3.2(64) %	2.4(73) %	3.3(74) %	3.4(84) %	Total
Susitna	0.000	57.152	0.000	55.222	7.525	0.000	47.020	28.787	0.000	100.000	31.538	0.000	0.000	0.000	0.000	327.244
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Packers																
McArthur																
Chakachatna																
Fish Creek	0.000	42.848	0.000	25.003	92.475	0.000	6.030	19.064	100.000	0.000	0.000	0.000	0.000	0.000	0.000	285.420
Other	0.000	0.000	0.000	19.775	0.000	0.000	46.950	52.149	0.000	0.000	68.462	0.000	0.000	0.000	0.000	187.336
	0.000	100.000	0.000	100.000	100.000	0.000	100.000	100.000	100.000	100.000	100.000	0.000	0.000	0.000	0.000	

Commercial Catch:

Drift	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	0	0	0	33,618	0	0	81,527	5,858	0	0	19,309	0	0	0	0	140,311
Sunshine																
Yentna																
Other																
Kenai	0	0	0	61,982	0	0	182,646	49,150	0	0	53,900	0	0	0	0	347,688
Kasilof	0	0	0	45,569	0	0	44,657	6,631	0	0	8,697	0	0	0	0	105,554
Crescent																0
Fish Creek	0	0	0	15,221	0	0	10,455	3,879	0	0	0	0	0	0	0	29,555
Other	0	0	0	12,039	0	0	81,405	10,611	0	0	41,915	0	0	0	0	145,970
Total	0	0	0	168,428	0	0	400,690	76,139	0	0	123,822	0	0	0	0	769,078
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Salamatof	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Sunshine																
Yentna																
Other																
Kenai	0	231	0	22,460	131	0	50,401	13,066	0	0	12,316	0	0	0	0	98,605
Kasilof	0	31	0	16,513	0	0	12,323	1,762	0	0	1,987	0	0	0	0	32,616
Crescent																
Fish Creek																
Other																
Total	0	262	0	38,973	131	0	62,724	14,828	0	0	14,303	0	0	0	0	131,221
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Kalifonsky	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna																
Sunshine																
Yentna																
Other																
Kenai	0	0	0	18,966	124	0	49,396	12,037	0	0	13,474	0	0	0	0	93,998
Kasilof	0	0	0	13,944	0	0	12,077	1,624	0	248	2,174	0	0	0	0	30,067
Crescent																
Fish Creek																
Other																
Total	0	0	0	32,910	124	0	61,474	13,661	0	248	15,648	0	0	0	0	124,065
remainder	0	0	0	0	0	0	0	0	0	0	0	0	124	0	0	124

Cohoe/Ninilchik	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna																
Sunshine																
Yentna																
Other																
Kenai	0	268	0	70,522	0	0	89,034	37,015	0	0	23,852	0	0	0	0	220,691
Kasilof	0	36	0	51,848	0	0	21,769	4,992	0	913	3,849	0	0	0	0	83,407
Crescent																
Fish Creek																
Other																
Total	0	304	0	122,370	0	0	110,802	42,007	0	913	27,701	0	0	0	0	304,098
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	304	0	304

Western	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna																
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent	0	0	0	8,090	0	0	59,431	5,066	0	0	3,024	0	0	0	0	75,612
Fish Creek																
Other																
Total	0	0	0	8,090	0	0	59,431	5,066	0	0	3,024	0	0	0	0	75,612

Kustatan	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	0	4	0	763	0	0	814	96	0	0	88	0	0	0	0	1,765
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Fish Creek	0	3	0	345	0	0	104	63	0	0	0	0	0	0	0	516
Other	0	0	0	273	0	0	813	173	0	0	192	0	0	0	0	1,451
Total	0	7	0	1,381	0	0	1,732	332	0	0	280	0	0	0	0	3,733

Kalgin Island	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	0	0	0	2,503	0	0	6,069	436	0	0	1,437	0	0	0	0	10,445
Sunshine																
Yentna																
Other																
Kenai	0	0	0	4,614	0	0	13,597	3,860	0	0	4,013	0	0	0	0	25,884
Kasilof	0	0	0	3,392	0	0	3,324	494	0	0	647	0	0	0	0	7,858
Crescent																
Fish Creek	0	0	0	1,133	0	0	778	289	0	0	0	0	0	0	0	2,200
Other	0	0	0	896	0	0	6,060	790	0	0	3,120	0	0	0	0	10,867
Total	0	0	0	12,539	0	0	29,829	5,868	0	0	9,218	0	0	0	0	57,254
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Chinitna Bay	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	0	0	0	108	0	0	261	19	0	0	62	0	0	0	0	449
Sunshine																
Yentna																
Other																
Kenai	0	0	0	198	0	0	584	157	0	0	172	0	0	0	0	1,113
Kasilof	0	0	0	146	0	0	143	21	0	0	28	0	0	0	0	338
Crescent																
Fish Creek	0	0	0	49	0	0	33	12	0	0	0	0	0	0	0	95
Other	0	0	0	39	0	0	260	34	0	0	134	0	0	0	0	467
Total	0	0	0	539	0	0	1,282	244	0	0	396	0	0	0	0	2,481
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

General - Knik Arm	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	0	70	0	12,580	0	0	13,433	1,577	0	0	1,456	0	0	0	0	29,117
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Fish Creek	0	53	0	5,696	0	0	1,723	1,045	0	0	0	0	0	0	0	8,516
Other	0	0	0	4,505	0	0	13,413	2,858	0	0	3,161	0	0	0	0	23,937
Total	0	123	0	22,781	0	0	28,568	5,480	0	0	4,618	0	0	0	0	61,570

Eastern	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	0	25	0	11,172	0	0	5,492	2,958	0	0	584	0	0	0	0	20,230
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Fish Creek	0	19	0	5,058	0	0	704	1,958	0	0	0	0	0	0	0	7,739
Other	0	0	0	4,001	0	0	5,484	5,358	0	0	1,267	0	0	0	0	16,108
Total	0	44	0	20,231	0	0	11,680	10,270	0	0	1,851	0	0	0	0	44,077
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Knik Arm	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna																
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Fish Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other																
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix A. 1980 (continued)

remainders Drift	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sunshine																
Yentna																
Other																
Kenai	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kasilof	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Crescent																
Packers																
McArthur																
Chekachatna																
Fish Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Salamatof	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sunshine																
Yentna																
Other																
Kenai	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kasilof	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Crescent																
Packers																
McArthur																
Chekachatna																
Fish Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
remainders	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Kalifornsky	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sunshine																
Yentna																
Other																
Kenai	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kasilof	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Crescent																
Packers																
McArthur																
Chekachatna																
Fish Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
remainder	0	0	0	0	0	0	0	0	0	0	0	0	124	0	0	124

Cohoe/Ninilchik	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sunshine																
Yentna																
Other																
Kenai	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kasilof	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Crescent																
Packers																
McArthur																
Chekachatna																
Fish Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	304	0	304

Kalgin Island East	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna																
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Packers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
McArthur																
Chekachatna																
Fish Creek																
Other																
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Kalgin Island West	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna																
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Packers																
McArthur																
Chekachatna																
Fish Creek																
Other																
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix A. 1980 (continued)

Summary worksheet for deriving returns by river system using escapement age composition.

River System	Total Escapement	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
		#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	
Susitna	190,866	0	4,199	0	89,707	191	0	76,537	8,016	0	1,336	10,879	0	0	0	0	190,866
Sunshine	0	0	4,199	0	89,707	191	0	76,537	8,016	0	1,336	10,879	0	0	0	0	190,866
Yentna	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kenai	464,218	0	28,317	0	164,333	4,178	0	170,368	66,847	0	0	30,174	0	0	0	0	464,218
Kasilof	184,260	0	3,869	0	123,454	0	0	42,564	9,213	0	184	4,975	0	0	0	0	184,260
Crescent	90,863	0	0	0	5,997	0	0	79,414	2,362	0	1,636	1,454	0	0	0	0	90,863
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fish Creek	62,628	0	3,194	0	41,209	2,360	0	9,958	5,386	501	0	0	0	0	0	0	62,628
Other	148,925	0	0	0	32,615	0	0	77,590	14,744	0	0	23,977	0	0	0	0	148,925
Total	1,141,760	0	39,580	0	457,315	6,749	0	458,432	108,569	501	3,156	71,459	0	0	0	0	1,141,760

Fishery	Commercial Harvest	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
		#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
Drift	769,078	0	0	0	168,428	0	0	400,690	78,139	0	0	123,822	0	0	0	0	769,078
Salamatof	131,221	0	262	0	38,973	131	0	62,724	14,828	0	0	14,303	0	0	0	0	131,221
Kalifonsky	124,189	0	0	0	32,910	124	0	61,474	13,661	0	248	15,648	0	124	0	0	124,189
Cohoe/Ninilchik	304,402	0	304	0	122,370	0	0	110,802	42,007	0	913	27,701	0	0	304	0	304,402
Western	75,612	0	0	0	8,090	0	0	59,431	5,066	0	0	3,024	0	0	0	0	75,612
Kustatan	3,733	0	7	0	1,381	0	0	1,732	332	0	0	280	0	0	0	0	3,733
Kalgin Island	57,254	0	0	0	12,539	0	0	29,829	5,668	0	0	9,218	0	0	0	0	57,254
Chinitna Bay	2,461	0	0	0	539	0	0	1,282	244	0	0	396	0	0	0	0	2,461
General	61,570	0	123	0	22,781	0	0	28,568	5,480	0	0	4,618	0	0	0	0	61,570
Eastern	44,077	0	44	0	20,231	0	0	11,680	10,270	0	0	1,851	0	0	0	0	44,077
Knik Arm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	1,573,597	0	742	0	428,242	255	0	768,213	173,695	0	1,162	200,861	0	124	304	0	1,573,597

Total UCI Comm. Harvest	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	0	100	0	60,743	0	0	107,508	10,942	0	0	22,937	0	0	0	0	202,318
Sunshine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Yentna	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Kenai	0	500	0	178,742	255	0	385,858	115,095	0	0	107,727	0	0	0	0	787,978
Kasilof	0	87	0	131,411	0	0	94,293	16,524	0	1,162	17,382	0	0	0	0	259,839
Crescent	0	0	0	8,090	0	0	59,431	5,066	0	0	3,024	0	0	0	0	75,612
Fish Creek	0	75	0	27,503	0	0	13,798	7,246	0	0	0	0	0	0	0	48,622
Other	0	0	0	21,752	0	0	107,436	19,822	0	0	49,790	0	0	0	0	198,800
Total	0	742	0	428,242	255	0	768,213	173,695	0	1,162	200,861	0	0	0	0	1,573,168

Total UCI Escapement	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	0	4,199	0	89,707	191	0	76,537	8,016	0	1,336	10,879	0	0	0	0	190,866
Sunshine	0	4,199	0	89,707	191	0	76,537	8,016	0	1,336	10,879	0	0	0	0	190,866
Yentna	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kenai	0	28,317	0	164,333	4,178	0	170,368	66,847	0	0	30,174	0	0	0	0	464,218
Kasilof	0	3,869	0	123,454	0	0	42,564	9,213	0	184	4,975	0	0	0	0	184,260
Crescent	0	0	0	5,987	0	0	79,414	2,362	0	1,636	1,454	0	0	0	0	90,863
Fish Creek	0	3,194	0	41,209	2,380	0	9,968	5,386	501	0	0	0	0	0	0	62,628
Other	0	0	0	32,615	0	0	77,590	14,744	0	0	23,977	0	0	0	0	148,926
Total	0	39,580	0	457,315	6,749	0	456,432	106,569	501	3,156	71,459	0	0	0	0	1,141,760

Total UCI Personal Use, Sport & Sub. Harvest	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna River PU Total	0	64	0	1,370	3	0	1,169	122	0	20	186	0	0	0	0	2,914
PU (Tyonek, Ganeral, Eustatan)	0	64	0	1,370	3	0	1,169	122	0	20	186	0	0	0	0	2,914
eastside sport	0	19	0	410	1	0	350	37	0	6	50	0	0	0	0	873
westside sport	0	15	0	328	1	0	280	29	0	5	40	0	0	0	0	698
Sport Total	0	35	0	738	2	0	630	66	0	11	90	0	0	0	0	1,571
Kenai River	0	1,752	0	18,610	259	0	13,020	23,097	0	0	5,485	0	0	0	0	62,223
PU & Sub (includes Eastern)	0	199	0	1,152	29	0	1,195	469	0	0	212	0	0	0	0	3,256
mainstem sport below sonar	0	419	0	2,434	62	0	2,523	890	0	0	447	0	0	0	0	6,876
mainstem sport above sonar	0	1,134	0	6,582	167	0	6,623	2,677	0	0	1,206	0	0	0	0	18,592
Russian sport below falls	0	0	0	8,442	0	0	2,479	18,961	0	0	3,618	0	0	0	0	33,500
confluence of Russian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other Hidden & Skilak	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kasilof River	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PU & Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
mainstem sport below sonar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
mainstem sport above sonar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Crescent River (Western)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Packers Creek (Kalgin)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
McArthur sport	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chakachatna sport	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fish Creek	0	2	0	28	2	0	7	4	0	0	0	0	0	0	0	43
PU & Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
sport	0	2	0	28	2	0	7	4	0	0	0	0	0	0	0	43
Other	0	4	0	2,244	1	0	4,025	910	0	6	1,052	0	0	0	0	8,243
Northern & Central PU																
Total	0	1,822	0	22,252	264	0	18,221	24,133	0	26	6,704	0	0	0	0	73,423

UCI Total Return	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	0	4,363	0	151,819	194	0	185,302	19,081	0	1,356	33,982	0	0	0	0	396,098
Kenai	0	29,435	0	346,662	4,525	0	559,744	163,402	0	0	136,559	0	0	0	0	1,262,327
Kasilof	0	3,936	0	254,865	0	0	136,857	24,737	0	1,346	22,357	0	0	0	0	444,099
Crescent	0	0	0	14,087	0	0	138,845	7,428	0	1,636	4,476	0	0	0	0	166,475
Packers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
McArthur	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chakachatna	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fish Creek	0	3,269	0	66,712	2,380	0	23,756	12,632	501	0	0	0	0	0	0	111,250
Other	0	4	0	56,611	1	0	189,061	35,475	0	6	74,820	0	0	0	0	355,988
Total	0	41,007	0	892,757	7,100	0	1,233,558	282,755	501	4,344	274,197	0	0	0	0	2,736,217

Summary of commercial and personal use harvest and escapement by river system, Upper Cook Inlet, Alaska, 1980

	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna:																
comm. harvest	0	100	0	60,743	0	0	107,596	10,942	0	0	22,937	0	0	0	0	202,318
spawners	0	4,164	0	88,969	189	0	75,907	7,950	0	1,325	10,790	0	0	0	0	189,295
other	0	99	0	2,108	4	0	1,798	188	0	31	256	0	0	0	0	4,485
Total	0	4,363	0	151,819	194	0	185,302	19,081	0	1,356	33,982	0	0	0	0	396,098
Kenai:																
comm. harvest	0	500	0	178,742	255	0	385,658	115,095	0	0	107,727	0	0	0	0	787,978
spawners	0	27,183	0	149,310	4,011	0	161,066	45,209	0	0	25,348	0	0	0	0	412,126
other	0	1,752	0	18,610	259	0	13,020	23,097	0	0	5,485	0	0	0	0	62,223
Total	0	29,435	0	346,662	4,525	0	559,744	183,402	0	0	138,559	0	0	0	0	1,262,327
Kasilof:																
comm. harvest	0	67	0	131,411	0	0	94,293	15,524	0	1,162	17,382	0	0	0	0	259,839
spawners	0	3,743	0	119,414	0	0	41,171	8,912	0	178	4,812	0	0	0	0	178,230
other	0	127	0	4,040	0	0	1,393	302	0	6	163	0	0	0	0	6,030
Total	0	3,936	0	254,865	0	0	136,857	24,737	0	1,346	22,357	0	0	0	0	444,099
Crescent:																
comm. harvest	0	0	0	8,090	0	0	59,431	5,066	0	0	3,024	0	0	0	0	75,612
spawners	0	0	0	5,997	0	0	79,414	2,362	0	1,636	1,454	0	0	0	0	90,863
other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	14,087	0	0	138,845	7,428	0	1,636	4,478	0	0	0	0	166,475

Summary of commercial and personal use harvest and escapement by river system, Upper Cook Inlet, Alaska,

	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Fish Creek:																
comm. harvest	0	75	0	27,503	0	0	13,798	7,246	0	0	0	0	0	0	0	48,622
spawners	0	3,192	0	41,181	2,378	0	9,951	5,382	501	0	0	0	0	0	0	62,585
other	0	2	0	28	2	0	7	4	0	0	0	0	0	0	0	43
Total	0	3,269	0	68,712	2,380	0	23,756	12,632	501	0	0	0	0	0	0	111,250
Other:																
comm. harvest	0	0	0	21,752	0	0	107,436	19,822	0	0	49,790	0	0	0	0	198,800
spawners	0	0	0	32,615	0	0	77,590	14,744	0	0	23,977	0	0	0	0	148,925
other	0	4	0	2,244	1	0	4,025	910	0	6	1,052	0	0	0	0	8,243
Total	0	4	0	56,611	1	0	189,051	35,475	0	6	74,820	0	0	0	0	355,968
UCI Total:																
comm. harvest	0	742	0	428,242	255	0	768,213	173,695	0	1,162	200,861	0	0	0	0	1,573,168
spawners	0	38,282	0	437,485	6,578	0	445,099	84,559	501	3,139	66,380	0	0	0	0	1,082,024
other	0	1,983	0	27,030	266	0	20,244	24,501	0	44	6,956	0	0	0	0	81,024
Grand Total	0	41,007	0	892,757	7,100	0	1,233,556	282,755	501	4,344	274,197	0	0	0	0	2,736,217
Exploitation Rate				0.510			0.639	0.701			0.758					0.605

Summary of exploitation rates by river system, Upper Cook Inlet, Alaska,

	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna:																
Total		0.045		0.414	0.023		0.590	0.583		0.023	0.682					0.522
Kenai:																
Total		0.077		0.569	0.114		0.712	0.753			0.817					0.674
Kasilof:																
Total		0.049		0.531			0.699	0.640		0.868	0.785					0.599
Crescent:																
Total				0.574			0.428	0.682		0.000	0.675					0.454
Fish Creek:																
Total		0.024		0.401	0.001		0.581	0.574	0.001							0.437
Other:																
Total		1.000		0.424	1.000		0.590	0.584		1.000	0.680					0.582
UCI Total:																
Grand Total		0.066		0.510	0.073		0.639	0.701	0.001	0.277	0.758					0.605

80	1	1	0	100	0	60743	0	0	107596	10942	0	0	22937	0	0	0	0	202318
80	1	2	0	4164	0	88969	189	0	75907	7950	0	1325	10790	0	0	0	0	189295
80	1	3	0	99	0	2108	4	0	1798	188	0	31	256	0	0	0	0	4485
80	2	1	0	500	0	178742	255	0	385658	115095	0	0	107727	0	0	0	0	787978
80	2	2	0	27183	0	149310	4011	0	161066	45209	0	0	25348	0	0	0	0	412126
80	2	3	0	1752	0	18610	259	0	13020	23097	0	0	5485	0	0	0	0	62223
80	3	1	0	67	0	131411	0	0	94293	15524	0	1162	17382	0	0	0	0	259839
80	3	2	0	3743	0	119414	0	0	41171	8912	0	178	4812	0	0	0	0	178230
80	3	3	0	127	0	4040	0	0	1393	302	0	6	163	0	0	0	0	6030
80	4	1	0	0	0	8090	0	0	59431	5066	0	0	3024	0	0	0	0	75612
80	4	2	0	0	0	5997	0	0	79414	2362	0	1636	1454	0	0	0	0	90863
80	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80	6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80	6	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80	8	1	0	75	0	27503	0	0	13798	7246	0	0	0	0	0	0	0	48622
80	8	2	0	3192	0	41181	2378	0	9951	5382	501	0	0	0	0	0	0	62585
80	8	3	0	2	0	28	2	0	7	4	0	0	0	0	0	0	0	43
80	9	1	0	0	0	0	0	0	0	0	0	0	0	0	124	304	0	429
80	9	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80	9	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80	10	1	0	0	0	21752	0	0	107436	19822	0	0	49790	0	0	0	0	198800
80	10	2	0	0	0	32615	0	0	77590	14744	0	0	23977	0	0	0	0	148925
80	10	3	0	4	0	2244	1	0	4025	910	0	6	1052	0	0	0	0	8243

1980 Unallocated Age Classe		0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Fishery		#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
Drift	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Salamatof	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kalifonsky	124	0	0	0	0	0	0	0	0	0	0	0	0	124	0	0	124
Cohoe/Ninil	304	0	0	0	0	0	0	0	0	0	0	0	0	0	304	0	304
Western	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kustatan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kalgin Islan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chinitna Ba	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
General	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eastern	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Knik Arm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	429	0	0	0	0	0	0	0	0	0	0	0	0	124	304	0	429

Appendix A. Escapement and harvest estimates and age composition data used to estimate total return by river system.

Year: 1997 Revised 3/2000

Filename: 97uage.xls

Escapement final		Commercial Harvest		Personal Use & Subsistence Harvest		Sport Harvest		
Susitna	307,753	Drift 3/	2,197,706	Tyonek	94	Susitna River	9,895	
Sunshine 1/	149,931	Salamatof	694,110	General (goto B298)	0	eastside		6,742
Yentna	157,822	Kalifonsky	492,739	Kasilof dip net	16,100	westside		3,153
Other in river	0	Cohoe/Ninilchik	645,967	Kasilof gill net	16,838	Kenai River	202,036	
Kenai	1,064,818	Western 4/	11,891	Western (goto B314)	0	mainstem below sonar		46,528
Kasilof	266,025	Kustatan 5/	7,903	Kenai dip net	109,287	mainstem above sonar		137,205
Crescent	70,768	Kalgin Island 6/	28,757	Kenai gillnet	0	Russian River below falls		17,635
Packers	0	Chinitna Bay /7	172	Kenaitze	0	confluence of Russian River		0
McArthur	0	General- Knik Arm	73,863	Kalgin	0	other Hidden&Skilak		668
Chakachatna	0	Eastern	10,364	Fish dip net	1,883	Kasilof River	4,847	
Fish Creek	54,656	Knik Arm	13,224	Fish gill net	0	mainstem below sonar		3,635
Other 2/	264,603			Kustatan (goto B298)	0	mainstem above sonar		1,212
Other	0			Eastern (goto B324)	0	Crescent River	0	
				Knik (goto B321)	0	Packers Creek	0	
				Other combined UCI	690	McArthur River	0	
Total	2,028,623		4,176,696	Total	144,892	Chakachatna River	0	
						Fish Creek	141	
						Other	3,083	
						Total	220,002	

Footnotes and sources of information:

Escapement: refers to sonar counts or weir counts

1/ Sunshine estimate derived by using mean ratio of Sunshine on Yentna escapement 1981-85.

$Y = 0.95 * X$

where Y = Sunshine and

X = Yentna.

2/ Other represents 15% of total monitored escapement - drift age composition used assume an added 15% for unmonitored escapements for weighting escapement age composition

Commercial Harvest:

3/ Drift represents all substatistical harvest areas with Drift gillnet except Chinitna Bay
4/ Western Subdistrict - Used Crescent River age composition
5/ Kustatan - age composition of Northern District westside used.
6/ Kalgin Island - age composition of drift used.
7/ Chinitna - age composition of drift used.

Subsistence and Personal Use harvests:
Age composition of nearest river used.

References:
Escapement, Commercial Harvest & Egg Takes:
Waltemyer and Tobias 1998
G. Fandrei, CIAA, personal communication

Subsistence and Personal Use harvests:
Ruesch and Fox 1998

Sport harvest:
S. Hammarstrom, ADF&G, Soldotna, personal communication
Howe et al. 1998

Appendix A. 1997 (continued)

Summary worksheet for entering escapement age composition (proportions).

River System	Total Escapement	0.2(31) Pr	1.1(32) Pr	0.3(41) Pr	1.2(42) Pr	2.1(43) Pr	0.4(51) Pr	1.3(52) Pr	2.2(53) Pr	3.1(54) Pr	1.4(62) Pr	2.3(63) Pr	3.2(64) Pr	2.4(73) Pr	3.3(74) Pr	3.4(84) Pr	Total
Susitna																	
Sunshine	149,931	0.0107	0.0013	0.1052	0.3236	0.0013	0.0000	0.4368	0.0466	0.0000	0.0013	0.0719	0.0000	0.0000	0.0013	0.0000	1.0000
Yentna	157,822	0.0107	0.0013	0.1052	0.3236	0.0013	0.0000	0.4368	0.0466	0.0000	0.0013	0.0719	0.0000	0.0000	0.0013	0.0000	1.0000
Other	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Kenai	1,064,818	0.0000	0.0010	0.0031	0.0758	0.0042	0.0000	0.7519	0.0280	0.0000	0.0042	0.1298	0.0010	0.0010	0.0000	0.0000	1.0000
Kasilof	266,025	0.0000	0.0000	0.0000	0.2111	0.0000	0.0000	0.5474	0.1346	0.0000	0.0000	0.1069	0.0000	0.0000	0.0000	0.0000	1.0000
Crescent	70,768	0.0000	0.0000	0.0000	0.1062	0.0016	0.0000	0.5594	0.0656	0.0000	0.0000	0.2656	0.0000	0.0016	0.0000	0.0000	1.0000
Packers	0	0.0000	0.0000	0.0000	0.0609	0.0000	0.0000	0.0059	0.1925	0.0000	0.0000	0.7093	0.0255	0.0039	0.0020	0.0000	1.0000
McArthur	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Chakachatna	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fish Creek	54,656	0.0000	0.0018	0.0000	0.5878	0.0000	0.0000	0.2773	0.0795	0.0000	0.0018	0.0518	0.0000	0.0000	0.0000	0.0000	1.0000
Other	264,603	0.0001	0.0000	0.0161	0.0634	0.0000	0.0000	0.7163	0.0326	0.0000	0.0032	0.1669	0.0000	0.0005	0.0009	0.0000	1.0000

Summary worksheet for entering commercial harvest age composition (proportions).

Fishery	Commercial Harvest	0.2(31) Pr	1.1(32) Pr	0.3(41) Pr	1.2(42) Pr	2.1(43) Pr	0.4(51) Pr	1.3(52) Pr	2.2(53) Pr	3.1(54) Pr	1.4(62) Pr	2.3(63) Pr	3.2(64) Pr	2.4(73) Pr	3.3(74) Pr	3.4(84) Pr	Total Pr
Drift 3/	2,197,706	0.0001	0.0000	0.0161	0.0634	0.0000	0.0000	0.7163	0.0326	0.0000	0.0032	0.1669	0.0000	0.0005	0.0009	0.0000	1.000000
Salamatof	694,110	0.0000	0.0000	0.0030	0.0397	0.0000	0.0000	0.7849	0.0334	0.0000	0.0013	0.1368	0.0000	0.0009	0.0000	0.0000	1.000000
Kalifonsky	492,739	0.0000	0.0000	0.0022	0.1222	0.0004	0.0000	0.6375	0.0692	0.0000	0.0056	0.1625	0.0004	0.0000	0.0000	0.0000	1.000000
Cohoe/Ninilchik	645,967	0.0000	0.0002	0.0042	0.1318	0.0000	0.0000	0.6134	0.1031	0.0000	0.0019	0.1435	0.0017	0.0002	0.0000	0.0000	1.000000
Western 4/	11,891	0.0000	0.0000	0.0000	0.1064	0.0016	0.0000	0.5602	0.0642	0.0000	0.0000	0.2660	0.0000	0.0016	0.0000	0.0000	1.000000
Kustatan 5/	7,903	0.0049	0.0000	0.0889	0.2133	0.0000	0.0000	0.5685	0.0504	0.0000	0.0000	0.0740	0.0000	0.0000	0.0000	0.0000	1.000000
Kalgin Island 6/	28,757	0.0001	0.0000	0.0161	0.0634	0.0000	0.0000	0.7163	0.0326	0.0000	0.0032	0.1669	0.0000	0.0005	0.0009	0.0000	1.000000
Chinitna Bay 7/	172	0.0001	0.0000	0.0161	0.0634	0.0000	0.0000	0.7163	0.0326	0.0000	0.0032	0.1669	0.0000	0.0005	0.0009	0.0000	1.000000
General- Knik Arm	73,863	0.0049	0.0000	0.0889	0.2133	0.0000	0.0000	0.5685	0.0504	0.0000	0.0000	0.0740	0.0000	0.0000	0.0000	0.0000	1.000000
Eastern	10,364	0.0000	0.0000	0.0156	0.2500	0.0045	0.0000	0.4174	0.1250	0.0000	0.0000	0.1808	0.0045	0.0000	0.0022	0.0000	1.000000

Summary worksheet for deriving returns by river system using escapement age composition.

rt harvest, egg take and cost recovery components		0.2(31) Pr	1.1(32) Pr	0.3(41) Pr	1.2(42) Pr	2.1(43) Pr	0.4(51) Pr	1.3(52) Pr	2.2(53) Pr	3.1(54) Pr	1.4(62) Pr	2.3(63) Pr	3.2(64) Pr	2.4(73) Pr	3.3(74) Pr	3.4(84) Pr	Total
Susitna River																	
eastside sport	6,742	0.0107	0.0013	0.1052	0.3236	0.0013	0.0000	0.4368	0.0466	0.0000	0.0013	0.0719	0.0000	0.0000	0.0013	0.0000	1.0000
westside sport	3,153	0.0107	0.0013	0.1052	0.3236	0.0013	0.0000	0.4368	0.0466	0.0000	0.0013	0.0719	0.0000	0.0000	0.0013	0.0000	1.0000
Kenai River																	
mainstem below sonar	46,528	0.0000	0.0010	0.0031	0.0758	0.0042	0.0000	0.7519	0.0280	0.0000	0.0042	0.1298	0.0010	0.0010	0.0000	0.0000	1.0000
mainstem above sonar	137,205	0.0000	0.0010	0.0031	0.0758	0.0042	0.0000	0.7519	0.0280	0.0000	0.0042	0.1298	0.0010	0.0010	0.0000	0.0000	1.0000
Russian River below falls	17,635	0.0000	0.0010	0.0031	0.0758	0.0042	0.0000	0.7519	0.0280	0.0000	0.0042	0.1298	0.0010	0.0010	0.0000	0.0000	1.0000
confluence of Russian River	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
other Hidden & Skilak	868	0.0000	0.0000	0.0000	0.7748	0.0000	0.0000	0.1756	0.0312	0.0000	0.0000	0.0184	0.0000	0.0000	0.0000	0.0000	1.0000
Kasilof River																	
mainstem below sonar	3,635	0.0000	0.0000	0.0000	0.2111	0.0000	0.0000	0.5474	0.1346	0.0000	0.0000	0.1069	0.0000	0.0000	0.0000	0.0000	1.0000
mainstem above sonar	1,212	0.0000	0.0000	0.0000	0.2111	0.0000	0.0000	0.5474	0.1346	0.0000	0.0000	0.1069	0.0000	0.0000	0.0000	0.0000	1.0000
egg take	8,289	0.0000	0.0000	0.0000	0.2111	0.0000	0.0000	0.5474	0.1346	0.0000	0.0000	0.1069	0.0000	0.0000	0.0000	0.0000	1.0000
#		0	0	0	1,750	0	0	4,537	1,116	0	0	886	0	0	0	0	8,289
Crescent	0	0.0000	0.0000	0.0000	0.1062	0.0016	0.0000	0.5594	0.0656	0.0000	0.0000	0.2656	0.0000	0.0016	0.0000	0.0000	1.0000
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Packers Creek																	
egg take	0	0.0000	0.0000	0.0000	0.0609	0.0000	0.0000	0.0059	0.1925	0.0000	0.0000	0.7093	0.0255	0.0039	0.0020	0.0000	1.0000
cost recovery	8,575	0.0000	0.0000	0.0000	0.0609	0.0000	0.0000	0.0059	0.1925	0.0000	0.0000	0.7093	0.0255	0.0039	0.0020	0.0000	1.0000
		0	0	0	522	0	0	51	1,651	0	0	6,082	219	33	17	0	8,575
sport	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
McArthur	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Chakachatna	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fish Creek	141	0.0000	0.0018	0.0000	0.5878	0.0000	0.0000	0.2773	0.0795	0.0000	0.0018	0.0518	0.0000	0.0000	0.0000	0.0000	1.0000
Other	3,083	0.0001	0.0000	0.0161	0.0634	0.0000	0.0000	0.7163	0.0326	0.0000	0.0032	0.1669	0.0000	0.0005	0.0009	0.0000	1.0000

Adjusted percent for all systems included.

River System	0.2(31) %	1.1(32) %	0.3(41) %	1.2(42) %	2.1(43) %	0.4(51) %	1.3(52) %	2.2(53) %	3.1(54) %	1.4(62) %	2.3(63) %	3.2(64) %	2.4(73) %	3.3(74) %	3.4(84) %	Total
Susitna	99.203	22.912	80.103	30.995	7.096	0.000	9.170	13.273	0.000	6.157	7.919	0.000	0.000	62.694	0.000	339.523
Sunshine																
Yentna																
Other																
Kenai	0.000	69.864	9.359	28.788	90.897	0.000	62.588	31.623	0.000	78.879	58.888	100.000	83.254	0.000	0.000	611.957
Kasilof	0.000	0.000	0.000	19.875	0.000	0.000	11.298	37.685	0.000	0.000	11.573	0.000	0.000	0.000	0.000	80.429
Crescent	0.000	0.000	0.000	2.338	2.008	0.000	2.700	4.295	0.000	0.000	6.725	0.000	7.723	0.000	0.000	25.789
Packers	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
McArthur	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Chakachatna	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fish Creek	0.000	7.204	0.000	12.784	0.000	0.000	1.322	5.142	0.000	1.036	1.296	0.000	0.000	0.000	0.000	29.684
Other	0.797	0.000	10.537	5.220	0.000	0.000	12.925	7.981	0.000	13.028	15.800	0.000	9.024	37.306	0.000	112.618
	100.000	100.000	100.000	100.000	100.000	0.000	100.000	100.000	0.000	100.000	100.000	100.000	100.000	100.000	0.000	

Adjusted percent for Susitna, Kenai, Kasilof, Fish Creek, and Other

River System	0.2(31) %	1.1(32) %	0.3(41) %	1.2(42) %	2.1(43) %	0.4(51) %	1.3(52) %	2.2(53) %	3.1(54) %	1.4(62) %	2.3(63) %	3.2(64) %	2.4(73) %	3.3(74) %	3.4(84) %	Total
Susitna	99.203	22.912	80.103	31.737	7.241	0.000	9.424	13.869	0.000	6.157	8.490	0.000	0.000	62.694	0.000	341.832
Sunshine																
Yentna																
Other																
Kenai	0.000	69.864	9.359	29.477	92.759	0.000	64.324	33.042	0.000	78.879	60.773	100.000	90.221	0.000	0.000	628.719
Kasilof	0.000	0.000	0.000	20.351	0.000	0.000	11.609	39.377	0.000	0.000	12.408	0.000	0.000	0.000	0.000	83.744
Crescent																
Packers																
McArthur																
Chakachatna																
Fish Creek	0.000	7.204	0.000	13.091	0.000	0.000	1.359	5.373	0.000	1.936	1.389	0.000	0.000	0.000	0.000	30.351
Other	0.797	0.000	10.537	5.345	0.000	0.000	13.284	8.339	0.000	13.028	16.940	0.000	9.779	37.306	0.000	115.354
	100.000	100.000	100.000	100.000	100.000	0.000	100.000	100.000	0.000	100.000	100.000	100.000	100.000	100.000	0.000	

Adjusted percent for Kenai and Kasilof only.

River System	0.2(31) %	1.1(32) %	0.3(41) %	1.2(42) %	2.1(43) %	0.4(51) %	1.3(52) %	2.2(53) %	3.1(54) %	1.4(62) %	2.3(63) %	3.2(64) %	2.4(73) %	3.3(74) %	3.4(84) %	Total
Susitna																
Sunshine																
Yentna																
Other																
Kenai	0.000	100.000	100.000	59.158	100.000	0.000	84.711	45.627	0.000	100.000	83.045	100.000	100.000	0.000	0.000	872.541
Kasilof	0.000	0.000	0.000	40.842	0.000	0.000	15.289	54.373	0.000	0.000	16.955	0.000	0.000	0.000	0.000	127.459
Crescent																
Packers																
McArthur																
Chakachatna																
Fish Creek																
Other																
	0.000	100.000	100.000	100.000	100.000	0.000	100.000	100.000	0.000	100.000	100.000	100.000	100.000	0.000	0.000	

Adjusted percent for Susitna, Fish Creek, and Other

River System	0.2(31) %	1.1(32) %	0.3(41) %	1.2(42) %	2.1(43) %	0.4(51) %	1.3(52) %	2.2(53) %	3.1(54) %	1.4(62) %	2.3(63) %	3.2(64) %	2.4(73) %	3.3(74) %	3.4(84) %	Total
Susitna	99.203	76.080	88.375	83.256	100.000	0.000	39.159	50.264	0.000	29.153	31.656	0.000	0.000	62.694	0.000	639.862
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Packers																
McArthur																
Chakachatna																
Fish Creek	0.000	23.920	0.000	26.091	0.000	0.000	5.645	19.480	0.000	9.166	5.179	0.000	0.000	0.000	0.000	89.481
Other	0.797	0.000	11.625	10.652	0.000	0.000	55.196	30.236	0.000	61.681	63.163	0.000	100.000	37.306	0.000	370.657
	100.000	100.000	100.000	100.000	100.000	0.000	100.000	100.000	0.000	100.000	100.000	0.000	100.000	100.000	0.000	

Commercial Catch:

Drift	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	218	0	28,343	44,221	0	0	148,358	9,937	0	433	31,142	0	0	1,240	0	263,892
Sunshine																
Yentna																
Other																
Kenai	0	0	3,312	41,071	0	0	1,012,604	23,873	0	5,547	222,915	0	991	0	0	1,310,114
Kasilof	0	0	0	28,356	0	0	182,753	28,211	0	0	45,512	0	0	0	0	284,832
Crescent																
Fish Creek	0	0	0	18,240	0	0	21,387	3,849	0	136	5,095	0	0	0	0	48,707
Other	2	0	3,728	7,447	0	0	209,114	5,975	0	916	62,134	0	107	738	0	290,162
Total	220	0	35,383	139,335	0	0	1,574,217	71,845	0	7,033	366,797	0	1,099	1,978	0	2,197,708
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Salamatof	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Sunshine																
Yentna																
Other																
Kenai	0	0	2,082	16,302	0	0	461,514	10,578	0	902	78,855	0	625	0	0	570,857
Kasilof	0	0	0	11,255	0	0	83,293	12,608	0	0	16,099	0	0	0	0	123,253
Crescent																
Fish Creek																
Other																
Total	0	0	2,082	27,556	0	0	544,807	23,183	0	902	94,954	0	625	0	0	694,110
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Kalifonsky	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna																
Sunshine																
Yentna																
Other																
Kenai	0	0	1,084	35,820	197	0	288,098	15,558	0	2,759	66,494	197	0	0	0	388,006
Kasilof	0	0	0	24,592	0	0	48,025	18,540	0	0	13,576	0	0	0	0	104,733
Crescent																
Fish Creek																
Other																
Total	0	0	1,084	60,213	197	0	314,121	34,098	0	2,759	80,070	197	0	0	0	492,739
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Cohoe/Ninilchik	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna																
Sunshine																
Yentna																
Other																
Kenai	0	129	2,713	50,368	0	0	335,657	30,387	0	1,227	76,980	1,098	129	0	0	498,687
Kasilof	0	0	0	34,773	0	0	80,579	36,212	0	0	15,717	0	0	0	0	147,280
Crescent																
Fish Creek																
Other																
Total	0	129	2,713	85,138	0	0	398,236	66,599	0	1,227	92,696	1,098	129	0	0	645,967
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Western	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna																
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent	0	0	0	1,265	19	0	6,661	763	0	0	3,183	0	19	0	0	11,891
Fish Creek																
Other																
Total	0	0	0	1,265	19	0	6,661	763	0	0	3,183	0	19	0	0	11,891

Kustatan	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	38	0	621	1,066	0	0	1,759	200	0	0	185	0	0	0	0	3,870
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Fish Creek	0	0	0	440	0	0	254	78	0	0	30	0	0	0	0	801
Other	0	0	82	180	0	0	2,480	120	0	0	369	0	0	0	0	3,231
Total	39	0	703	1,686	0	0	4,493	398	0	0	585	0	0	0	0	7,903

Kalgin Island	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	3	0	371	579	0	0	1,941	130	0	6	407	0	0	16	0	3,453
Sunshine																
Yentna																
Other																
Kenai	0	0	43	537	0	0	13,250	310	0	73	2,917	0	13	0	0	17,143
Kasilof	0	0	0	371	0	0	2,391	369	0	0	596	0	0	0	0	3,727
Crescent																
Fish Creek	0	0	0	239	0	0	280	50	0	2	67	0	0	0	0	637
Other	0	0	49	97	0	0	2,736	78	0	12	813	0	1	10	0	3,797
Total	3	0	463	1,823	0	0	20,599	937	0	92	4,800	0	14	26	0	28,757
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Chinitna Bay	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	0	0	2	3	0	0	12	1	0	0	2	0	0	0	0	21
Sunshine																
Yentna																
Other																
Kenai	0	0	0	3	0	0	79	2	0	0	17	0	0	0	0	103
Kasilof	0	0	0	2	0	0	14	2	0	0	4	0	0	0	0	22
Crescent																
Fish Creek	0	0	0	1	0	0	2	0	0	0	0	0	0	0	0	4
Other	0	0	0	1	0	0	16	0	0	0	5	0	0	0	0	23
Total	0	0	3	11	0	0	123	6	0	1	29	0	0	0	0	172
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

General - Knik Arm	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	359	0	5,803	9,986	0	0	16,443	1,872	0	0	1,730	0	0	0	0	36,174
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Fish Creek	0	0	0	4,111	0	0	2,370	725	0	0	283	0	0	0	0	7,489
Other	3	0	763	1,678	0	0	23,177	1,126	0	0	3,452	0	0	0	0	30,200
Total	362	0	6,566	15,755	0	0	41,991	3,723	0	0	5,466	0	0	0	0	73,863

Eastern	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	0	0	143	1,639	47	0	1,694	651	0	0	593	0	0	14	0	4,781
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Fish Creek	0	0	0	676	0	0	244	252	0	0	97	0	0	0	0	1,270
Other	0	0	19	276	0	0	2,388	392	0	0	1,184	0	0	9	0	4,266
Total	0	0	162	2,591	47	0	4,326	1,296	0	0	1,874	0	0	23	0	10,317
remainder	0	0	0	0	0	0	0	0	0	0	0	47	0	0	0	47

Knik Arm	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna																
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Fish Creek	0	24	0	7,773	0	0	3,667	1,051	0	24	685	0	0	0	0	13,224
Other																
Total	0	24	0	7,773	0	0	3,667	1,051	0	24	685	0	0	0	0	13,224

Appendix A. 1997 (continued)

remainders

Drift	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total	Drift
Susitna	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Sunshine																	
Yentna																	
Other																	
Kenai	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Kasilof	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Crescent																	
Packers																	
McArthur																	
Chakachatna																	
Fish Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																	0

Salamatof	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total	Salamatof
Susitna	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Sunshine																	
Yentna																	
Other																	
Kenai	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Kasilof	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Crescent																	
Packers																	
McArthur																	
Chakachatna																	
Fish Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																	0

Kalifonsky	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total	Kalifonsky
Susitna	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Sunshine																	
Yentna																	
Other																	
Kenai	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Kasilof	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Crescent																	
Packers																	
McArthur																	
Chakachatna																	
Fish Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																	0

Cohoe/Ninilchik	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total	Cohoe/Ninilchik
Susitna	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Sunshine																	
Yentna																	
Other																	
Kenai	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Kasilof	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Crescent																	
Packers																	
McArthur																	
Chakachatna																	
Fish Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																	0

Kalgin Island East	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total	Kalgin Island East
Susitna																	
Sunshine																	
Yentna																	
Other																	
Kenai																	
Kasilof																	
Crescent																	
Packers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
McArthur																	
Chakachatna																	
Fish Creek																	
Other																	
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Kalgin Island West	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total	Kalgin Island West
Susitna																	
Sunshine																	
Yentna																	
Other																	
Kenai																	
Kasilof																	
Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Packers																	
McArthur																	
Chakachatna																	
Fish Creek																	
Other																	
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix A. 1997 (continued)

Summary worksheet for deriving returns by river system using escapement age composition.

River System	Total Escapement	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
		#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	
Susitna	307,753	3,293	400	32,376	99,589	400	0	134,426	14,341	0	400	22,127	0	0	400	0	307,753
Sunshine	149,931	1,604	195	15,773	48,518	195	0	65,490	6,987	0	195	10,780	0	0	195	0	149,931
Yentna	157,822	1,689	205	16,603	51,071	205	0	68,937	7,355	0	205	11,347	0	0	205	0	157,822
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kenai	1,064,818	0	1,065	3,301	80,713	4,472	0	800,637	29,815	0	4,472	138,213	1,065	1,065	0	0	1,064,818
Kasilof	266,025	0	0	0	56,158	0	0	145,622	35,807	0	0	28,438	0	0	0	0	266,025
Crescent	70,768	0	0	0	7,516	113	0	39,588	4,642	0	0	18,796	0	113	0	0	70,768
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fish Creek	54,656	0	98	0	32,127	0	0	15,156	4,345	0	98	2,831	0	0	0	0	54,656
Other	264,603	26	0	4,260	16,776	0	0	189,535	8,626	0	847	44,162	0	132	238	0	264,603
Total	2,028,623	3,319	1,563	39,937	292,878	4,986	0	1,324,964	97,577	0	5,817	254,568	1,065	1,310	638	0	2,028,623

Fishery	Commercial Harvest	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
		#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
Drift	2,197,706	220	0	35,383	139,335	0	0	1,574,217	71,645	0	7,033	366,797	0	1,099	1,978	0	2,197,706
Salamatof	694,110	0	0	2,082	27,556	0	0	544,807	23,183	0	902	94,954	0	625	0	0	694,110
Kalifonsky	492,739	0	0	1,084	60,213	197	0	314,121	34,098	0	2,759	80,070	197	0	0	0	492,739
Cohoe/Ninilchik	645,967	0	129	2,713	85,138	0	0	396,236	66,599	0	1,227	92,696	1,098	129	0	0	645,967
Western	11,891	0	0	0	1,265	19	0	6,661	763	0	0	3,163	0	19	0	0	11,891
Kustatan	7,903	39	0	703	1,686	0	0	4,493	398	0	0	585	0	0	0	0	7,903
Kalgin Island	28,757	3	0	463	1,823	0	0	20,599	937	0	92	4,800	0	14	26	0	28,757
Chinitna Bay	172	0	0	3	11	0	0	123	6	0	1	29	0	0	0	0	172
General	73,863	362	0	6,566	15,755	0	0	41,991	3,723	0	0	5,466	0	0	0	0	73,863
Eastern	10,364	0	0	162	2,591	47	0	4,326	1,296	0	0	1,874	47	0	23	0	10,364
Knik Arm	13,224	0	24	0	7,773	0	0	3,667	1,051	0	24	685	0	0	0	0	13,224
Total	4,176,696	623	153	49,159	343,146	263	0	2,911,241	203,700	0	12,038	651,118	1,342	1,886	2,027	0	4,176,696

Total UCI Comm. Harvest	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	618	0	35,283	57,474	47	0	170,208	12,791	0	439	34,060	0	0	1,271	0	312,191
Sunshine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Yentna	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Kenai	0	129	9,235	143,900	197	0	2,089,200	80,507	0	10,509	448,178	1,295	1,756	0	0	2,784,909
Kasilof	0	0	0	99,348	0	0	377,056	95,940	0	0	91,503	0	0	0	0	663,848
Crescent	0	0	0	1,265	19	0	6,661	763	0	0	3,163	0	19	0	0	11,891
Fish Creek	0	24	0	31,479	0	0	26,204	6,006	0	162	6,257	0	0	0	0	72,132
Other	5	0	4,641	9,679	0	0	239,912	7,691	0	928	67,957	0	109	756	0	331,679
Total	623	153	49,159	343,146	263	0	2,911,241	203,700	0	12,038	651,118	1,295	1,886	2,027	0	4,176,649

Total UCI Escapement	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	3,293	400	32,376	99,589	400	0	134,426	14,341	0	400	22,127	0	0	400	0	307,753
Sunshine	1,604	195	15,773	46,518	195	0	65,490	6,987	0	195	10,780	0	0	195	0	149,931
Yentna	1,689	205	16,603	51,071	205	0	68,937	7,355	0	205	11,347	0	0	205	0	157,822
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kenai	0	1,065	3,301	80,713	4,472	0	800,637	29,815	0	4,472	138,213	1,065	1,065	0	0	1,064,818
Kasilof	0	0	0	56,158	0	0	145,622	35,807	0	0	28,436	0	0	0	0	266,025
Crescent	0	0	0	7,516	113	0	39,588	4,642	0	0	18,796	0	113	0	0	70,768
Fish Creek	0	98	0	32,127	0	0	15,156	4,345	0	98	2,831	0	0	0	0	54,656
Other	26	0	4,260	16,776	0	0	189,535	8,626	0	847	44,162	0	132	238	0	264,603
Total	3,319	1,563	39,937	292,878	4,986	0	1,324,964	97,577	0	5,817	254,568	1,065	1,310	638	0	2,028,623

Total UCI Personal Use, Sport & Sub. Harvest	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna River Total Pu	1	0	10	30	0	0	41	4	0	0	7	0	0	0	0	94
PU (Tyonek,Genesnu,Eastern)	1	0	10	30	0	0	41	4	0	0	7	0	0	0	0	94
eastside sport	72	9	709	2,182	9	0	2,945	314	0	9	465	0	0	9	0	6,742
westside sport	34	4	332	1,020	4	0	1,377	147	0	4	227	0	0	4	0	3,153
total sport	106	13	1,041	3,202	13	0	4,322	461	0	13	711	0	0	13	0	9,895
Kenai River	0	311	963	24,065	1,305	0	233,699	8,719	0	1,305	40,335	311	311	0	0	311,323
PU & Sub (includes Eastern)	0	109	339	8,264	459	0	82,173	3,060	0	459	14,185	109	109	0	0	109,287
mainstem sport below sonar	0	47	144	3,527	195	0	34,984	1,303	0	195	6,039	47	47	0	0	46,528
mainstem sport above sonar	0	137	425	10,400	576	0	103,164	3,842	0	576	17,809	137	137	0	0	137,205
Russian sport below falls	0	18	55	1,337	74	0	13,260	494	0	74	2,289	18	18	0	0	17,635
confluence of Russian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other Hidden & Skilak	0	0	0	516	0	0	117	21	0	0	12	0	0	0	0	666
Kasilof River	0	0	0	7,976	0	0	20,684	5,086	0	0	4,039	0	0	0	0	37,785
PU & Sub	0	0	0	6,953	0	0	18,030	4,433	0	0	3,521	0	0	0	0	32,938
mainstem sport below sonar	0	0	0	767	0	0	1,990	489	0	0	389	0	0	0	0	3,635
mainstem sport above sonar	0	0	0	256	0	0	663	163	0	0	130	0	0	0	0	1,212
Crescent River (Western)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Packers Creek (Kalgin)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
McArthur sport	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chakachatna sport	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fish Creek	0	4	0	1,190	0	0	561	161	0	4	105	0	0	0	0	2,024
PU & Sub	0	3	0	1,107	0	0	522	150	0	3	98	0	0	0	0	1,883
sport	0	0	0	83	0	0	39	11	0	0	7	0	0	0	0	141
Other Northern & Central PU	1	0	44	310	0	0	2,630	184	0	11	588	1	2	2	0	3,773
Total	2	315	1,017	33,572	1,305	0	257,615	14,154	0	1,319	45,074	312	312	2	0	354,999

UCI Total Return	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	3,912	400	67,669	157,094	447	0	304,675	27,137	0	839	56,195	0	0	1,671	0	620,038
Kenai	0	1,350	13,019	236,424	5,324	0	3,006,994	114,665	0	15,636	606,616	2,516	2,979	0	0	4,005,542
Kasilof	0	0	0	163,227	0	0	542,698	136,870	0	0	123,851	0	0	0	0	966,446
Crescent	0	0	0	8,781	132	0	46,249	5,406	0	0	21,959	0	132	0	0	82,659
Packers	0	0	0	522	0	0	51	1,651	0	0	6,082	219	33	17	0	8,575
McArthur	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chakachatna	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fish Creek	0	126	0	64,713	0	0	43,882	10,501	0	264	9,186	0	0	0	0	128,671
Other	32	0	8,946	26,764	0	0	432,077	18,501	0	1,786	112,708	1	243	996	0	600,055
Total	3,944	1,876	89,633	657,525	5,903	0	4,376,626	312,551	0	18,524	936,596	2,736	3,388	2,684	0	6,411,985

Summary of commercial and personal use harvest and escapement by river system, Upper Cook Inlet, Alaska, 1997

	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna:																
comm. harvest	618	0	35,283	57,474	47	0	170,208	12,791	0	439	34,060	0	0	1,271	0	312,191
spawners	3,187	387	31,335	96,387	387	0	130,104	13,880	0	387	21,416	0	0	387	0	297,858
other	107	13	1,051	3,232	13	0	4,363	465	0	13	718	0	0	13	0	9,989
Total	3,912	400	67,669	157,094	447	0	304,675	27,137	0	839	56,195	0	0	1,671	0	620,038
Kenai:																
comm. harvest	0	129	9,235	143,900	197	0	2,089,200	60,507	0	10,509	448,178	1,295	1,758	0	0	2,784,909
spawners	0	910	2,821	68,459	3,822	0	684,095	25,459	0	3,822	118,103	910	910	0	0	909,310
other	0	311	963	24,065	1,305	0	233,699	8,719	0	1,305	40,335	311	311	0	0	311,323
Total	0	1,350	13,019	236,424	5,324	0	3,006,994	114,685	0	15,636	606,616	2,516	2,979	0	0	4,005,542
Kasilof:																
comm. harvest	0	0	0	99,348	0	0	377,056	95,940	0	0	91,503	0	0	0	0	663,848
spawners	0	0	0	54,152	0	0	140,421	34,528	0	0	27,422	0	0	0	0	256,524
other	0	0	0	9,726	0	0	25,221	6,202	0	0	4,925	0	0	0	0	46,074
Total	0	0	0	163,227	0	0	542,698	136,670	0	0	123,851	0	0	0	0	966,446
Crescent:																
comm. harvest	0	0	0	1,265	19	0	6,661	763	0	0	3,163	0	19	0	0	11,891
spawners	0	0	0	7,516	113	0	39,588	4,642	0	0	18,796	0	113	0	0	70,768
other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	8,781	132	0	46,249	5,406	0	0	21,959	0	132	0	0	82,659

Summary of commercial and personal use harvest and escapement by river system, Upper Cook Inlet, Alaska, 1997

	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Fish Creek:																
comm. harvest	0	24	0	31,479	0	0	28,204	6,006	0	162	6,257	0	0	0	0	72,132
spawners	0	98	0	32,044	0	0	15,117	4,334	0	98	2,824	0	0	0	0	54,515
other	0	4	0	1,190	0	0	561	161	0	4	105	0	0	0	0	2,024
Total	0	126	0	64,713	0	0	43,882	10,501	0	264	9,186	0	0	0	0	128,671
Other:																
comm. harvest	5	0	4,641	9,679	0	0	239,912	7,691	0	928	67,957	0	109	756	0	331,679
spawners	26	0	4,260	16,776	0	0	189,535	8,626	0	847	44,162	0	132	238	0	264,603
other	1	0	44	832	0	0	2,680	1,835	0	11	6,670	220	35	19	0	12,348
Total	32	0	8,946	27,287	0	0	432,128	18,152	0	1,786	118,790	220	276	1,013	0	608,630
UCI Total:																
comm. harvest	623	153	49,159	343,146	263	0	2,911,241	203,700	0	12,038	651,118	1,295	1,886	2,027	0	4,176,649
spawners	3,214	1,395	38,416	275,333	4,322	0	1,198,860	91,469	0	5,154	232,723	910	1,156	625	0	1,853,578
other	107	327	2,058	39,046	1,318	0	266,525	17,382	0	1,332	52,754	530	346	32	0	381,758
Grand Total	3,944	1,876	89,633	657,525	5,903	0	4,376,626	312,551	0	18,524	936,596	2,736	3,388	2,684	0	6,411,985
Exploitation Rate				0.581			0.726	0.707			0.752					0.711

relative age class contribution method used to derive age composition by river system

Summary of exploitation rates by river system, Upper Cook Inlet, Alaska, 1997

02/28/00 03:13 PM Page 1 of 1

	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna:																
Total	0.185	0.032	0.537	0.386	0.133		0.573	0.489		0.538	0.619			0.768		0.520
Kenai:																
Total		0.326	0.783	0.710	0.262		0.772	0.778		0.756	0.805	0.638	0.695			0.773
Kasilof:																
Total				0.668			0.741	0.747			0.779					0.735
Crescent:																
Total				0.144	0.144		0.144	0.141			0.144		0.144			0.144
Fish Creek:																
Total		0.219		0.505			0.656	0.587		0.628	0.693					0.576
Other:																
Total	0.173	1.000	0.524	0.385	1.000		0.561	0.525		0.526	0.628	1.000	0.521	0.765		0.565
UCI Total:																
Grand Total	0.185	0.256	0.571	0.581	0.268		0.726	0.707		0.722	0.752	0.667	0.659	0.767		0.711

97	1	1	618	0	35283	57474	47	0	170208	12791	0	439	34060	0	0	1271	0	312191
97	1	2	3187	387	31335	96387	387	0	130104	13880	0	387	21416	0	0	387	0	297858
97	1	3	107	13	1051	3232	13	0	4363	465	0	13	718	0	0	13	0	9989
97	2	1	0	129	9235	143900	197	0	2089200	80507	0	10509	448178	1295	1758	0	0	2784909
97	2	2	0	910	2821	68459	3822	0	684095	25459	0	3822	118103	910	910	0	0	909310
97	2	3	0	311	963	24065	1305	0	233699	8719	0	1305	40335	311	311	0	0	311323
97	3	1	0	0	0	99348	0	0	377056	95940	0	0	91503	0	0	0	0	663848
97	3	2	0	0	0	54152	0	0	140421	34528	0	0	27422	0	0	0	0	256524
97	3	3	0	0	0	9726	0	0	25221	6202	0	0	4925	0	0	0	0	46074
97	4	1	0	0	0	1265	19	0	6661	763	0	0	3163	0	19	0	0	11891
97	4	2	0	0	0	7516	113	0	39588	4642	0	0	18796	0	113	0	0	70768
97	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97	6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97	6	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97	8	1	0	24	0	31479	0	0	28204	6006	0	162	6257	0	0	0	0	72132
97	8	2	0	98	0	32044	0	0	15117	4334	0	98	2824	0	0	0	0	54515
97	8	3	0	4	0	1190	0	0	561	161	0	4	105	0	0	0	0	2024
97	9	1	0	0	0	0	0	0	0	0	0	0	0	47	0	0	0	47
97	9	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97	9	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97	10	1	5	0	4641	9679	0	0	239912	7691	0	928	67957	0	109	756	0	331679
97	10	2	26	0	4260	16776	0	0	189535	8626	0	847	44162	0	132	238	0	264603
97	10	3	1	0	44	832	0	0	2680	1835	0	11	6670	220	35	19	0	12348

Appendix A. 1997 (continued)

HIDDEN LAKE F1 ESCAPEMENT, COMM. CATCH AND TOTAL RETURN 1978-1999

				Exploitation Rate			Age Composition (#) (E)			Total Return			Commercial Catch (C)		
Return Year	Hidden Esc	Hatchery Proportion	Hidden Enhanced Esc	Age1.2	Age1.3	Age2.2	Age1.2	Age1.3	Age2.2	Age1.2	Age1.3	Age2.2	Age1.2	Age1.3	Age2.2
1978	4,647	0	0						0	0	0	0	0	0	0
1979	5,762	0	0						0	0	0	0	0	0	0
1980	27,488	0.53	14,569	0.596	0.703	0.746	13,403	146	1,020	33,176	491	4,015	19,773	345	2,995
1981	15,939	0.5	7,970	0.557	0.594	0.783	6,216	1,195	558	14,032	2,944	2,571	7,816	1,749	2,013
1982	9,790	0.03	294	0.723	0.778	0.719	206	68	21	742	304	73	537	237	53
1983	11,297	0	0				0	0	0	0	0	0	0	0	0
1984	27,784	0	0				0	0	0	0	0	0	0	0	0
1985	24,784	0	0				0	0	0	0	0	0	0	0	0
1986	17,530	0.58	10,167	0.818	0.862	0.873	8,642	915	610	47,485	6,631	4,803	38,843	5,716	4,193
1987	43,487	0.75	32,615	0.735	0.850	0.873	31,311	978	326	118,153	6,523	2,568	86,843	5,545	2,242
1988	50,907	0.78	39,707	0.800	0.852	0.896	37,325	1,588	794	186,625	10,732	7,636	149,300	9,143	6,842
1989	7,770	0	0						0	0	0	0	0	0	0
1990	77,959	0.81	63,147	0.632	0.837	0.862	54,306	1,263	7,578	147,571	7,748	54,910	93,265	6,485	47,333
1991	35,732	0.92	32,873	0.717	0.789	0.890	29,586	2,301	986	104,545	10,906	8,965	74,958	8,605	7,979
1992	32,912	0.61	20,076	0.834	0.905	0.895	16,463	2,610	1,004	99,172	27,473	9,560	82,710	24,863	8,556
1993	11,582	0.58	6,718	0.717	0.839	0.863	5,374	605	739	18,990	3,755	5,394	13,616	3,151	4,655
1994	6,085	0.56	3,408	0.676	0.743	0.701	2,045	1,056	307	6,310	4,110	1,026	4,266	3,054	719
1995	7,542	0.84	6,335	0.697	0.798	0.797	3,991	760	1,584	13,172	3,764	7,802	9,181	3,003	6,218
1996	55,526	0.87	48,308	0.777	0.818	0.864	40,095	3,382	4,831	179,800	18,580	35,520	139,704	15,198	30,690
1997	56,053	0.73	40,919	0.715	0.771	0.779	31,507	7,365	2,046	110,552	32,163	9,258	79,045	24,798	7,212
1998	67,727	0.78	52,827	0.512	0.586	0.581	43,846	7,396	1,585	89,849	17,864	3,782	46,003	10,468	2,198
1999	49,406	0.71	35,078	0.667	0.713	0.637	31,220	2,105	1,754	93,753	7,333	4,832	62,533	5,229	3,078

filename: hiddenenhance.xls

Year for new data sheet

				Exploitation Rate			Age Composition (#) (E)			Total Return			Commercial Catch (C)		
Return Year	Hidden Esc	Hatchery Proportion	Hidden Enhanced Esc	Age1.2	Age1.3	Age2.2	Age1.2	Age1.3	Age2.2	Age1.2	Age1.3	Ag2.2	Age1.2	Age1.3	Age2.2
1997	56,053	0.73	40,919	0.715	0.771	0.779	31,507	7,365	2,046	110,552	32,163	9,258	79,045	24,798	7,212

97	1	1	618	0	35283	57474	47	0	170208	12791	0	439	34060	0	0	1271	0	312191
97	1	2	3187	387	31335	96387	387	0	130104	13880	0	387	21416	0	0	387	0	297858
97	1	3	107	13	1051	3232	13	0	4363	465	0	13	718	0	0	13	0	9989
97	2	1	0	129	9235	64855	197	0	2064403	73295	0	10509	448178	1295	1758	0	0	2673855
97	2	2	0	910	2821	36951	3822	0	676730	23413	0	3822	118103	910	910	0	0	868391
97	2	3	0	311	963	24065	1305	0	233699	8719	0	1305	40335	311	311	0	0	311323
97	3	1	0	0	0	99348	0	0	377056	95940	0	0	91503	0	0	0	0	663848
97	3	2	0	0	0	54152	0	0	140421	34528	0	0	27422	0	0	0	0	256524
97	3	3	0	0	0	9726	0	0	25221	6202	0	0	4925	0	0	0	0	46074
97	4	1	0	0	0	1265	19	0	6661	763	0	0	3163	0	19	0	0	11891
97	4	2	0	0	0	7516	113	0	39588	4642	0	0	18796	0	113	0	0	70768
97	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97	6	1	0	0	0	79045	0	0	24798	7212	0	0	0	0	0	0	0	111054
97	6	2	0	0	0	31507	0	0	7365	2046	0	0	0	0	0	0	0	40919
97	6	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97	8	1	0	24	0	31479	0	0	28204	6006	0	162	6257	0	0	0	0	72132
97	8	2	0	98	0	32044	0	0	15117	4334	0	98	2824	0	0	0	0	54515
97	8	3	0	4	0	1190	0	0	561	161	0	4	105	0	0	0	0	2024
97	9	1	0	0	0	0	0	0	0	0	0	0	0	47	0	0	0	47
97	9	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97	9	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97	10	1	5	0	4641	9679	0	0	239912	7691	0	928	67957	0	109	756	0	331679
97	10	2	26	0	4260	16776	0	0	189535	8626	0	847	44162	0	132	238	0	264603
97	10	3	1	0	44	832	0	0	2680	1835	0	11	6670	220	35	19	0	12348

Appendix A. Escapement and harvest estimates and age composition data used to estimate total return by river system.

Year: 1998

Filename: 98uageret.xls

Escapement preliminary		Commercial Harvest		Personal Use & Subsistence Harvest		Sport Harvest		
Susitna	233,265	Drift 3/	599,202	Tyonek	127	Susitna River	7,823	
Sunshine 1/	113,642	Salamatof	119,890	General (goto B298)	0	eastside		6,481
Yentna	119,623	Kalifonsky	158,472	Kasilof dip net	41,172	westside		1,342
Other in river	0	Cohoe/Ninilchik	233,671	Kasilof gill net	14,049	Kenai River	264,245	
Kenai	767,558	Western	19,874	Western (goto B314)	0	mainstem below sonar 6/		39,302
Kasilof	273,213	Kustatan 4/	3,765	Kenai dip net	94,553	mainstem above sonar		150,055
Crescent	62,257	Kalgin Island	23,273	Kenai gillnet	0	Russian River below falls		74,299
Packers	0	Chinitna Bay 5/	163	Kenaitze	2,621	confluence of Russian River		0
McArthur	0	General- Knik Arm	39,717	Kalgin	0	other Hidden&Skilak		589
Chakachatna	0	Eastern	18,332	Fish dip net	3,725	Kasilof River	4,225	
Fish Creek	22,853	Knik Arm	2,597	Fish gill net	0	mainstem below sonar		3,240
Other 2/	203,872			Kustatan (goto B298)	0	mainstem above sonar		985
Other	0			Eastern (goto B324)	0	Crescent River	0	
				Knik (goto B321)	0	Packers Creek	0	
				Other combined UCI	6,277	McArthur River	40	
Total	1,563,018		1,218,956	Total	162,524	Chakachatna River	76	
						Fish Creek	179	
						Other	8,997	
						Total	285,585	

Footnotes and sources of information:

Escapement: Refers to sonar counts and weir counts

1/ Sunshine estimate derived by using mean ratio of Sunshine on Yentna escapement 1981-85.

$Y = 0.95 * X$

where Y = Sunshine and

X = Yentna.

2/ Other represents 15% of total monitored escapement - drift age composition used assume an added 15% for unmonitored escapements for weighting escapement age composition

Commercial Harvest:

3/ Drift represents all substatistical harvest areas with Drift gillnet except Chinitna Bay

4/ Kustatan - age composition of General Subdistrict used.

5/ Chinitna - age composition of drift used.

Subsistence and Personal Use harvests:

Age composition of nearest river used.

Sport Harvest

6/ mainstem below sonar - estimate based on a study done in 1994 and 1995, that reported an average of 59% of the harvest between Cook Inlet and the Soldotna bridge was taken below the sonar site (RM 19).

References:

Escapement, Commercial Harvest & Egg Takes:

Tobias and Tarbox 1999

G. Fandrei, CIAA, Soldotna, personal communication

Subsistence and Personal Use harvests:

Ruesch and Fox 1999

Sport harvest:

Statewide Harvest Report for 1998, in press

King 1995

King 1997

Appendix A. 1998 (continued)

Summary worksheet for entering escapement age composition (proportions).

River System	Total Escapement	0.2(31) Pr	1.1(32) Pr	0.3(41) Pr	1.2(42) Pr	2.1(43) Pr	0.4(51) Pr	1.3(52) Pr	2.2(53) Pr	3.1(54) Pr	1.4(62) Pr	2.3(63) Pr	3.2(64) Pr	2.4(73) Pr	3.3(74) Pr	3.4(84) Pr	Total
Susitna																	
Sunshine	113,642	0.0073	0.0034	0.0573	0.1573	0.0000	0.0000	0.6267	0.0400	0.0000	0.0027	0.1053	0.0000	0.0000	0.0000	0.0000	1.0000
Yentna	119,623	0.0073	0.0034	0.0673	0.1573	0.0000	0.0000	0.6267	0.0400	0.0000	0.0027	0.1053	0.0000	0.0000	0.0000	0.0000	1.0000
Other	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Kenai	767,558	0.0000	0.0029	0.0000	0.2714	0.0657	0.0000	0.4072	0.0957	0.0014	0.0129	0.1386	0.0014	0.0014	0.0014	0.0000	1.0000
Kasilof	273,213	0.0012	0.0012	0.0000	0.3967	0.0058	0.0000	0.2812	0.2217	0.0000	0.0035	0.0887	0.0000	0.0000	0.0000	0.0000	1.0000
Crescent	62,257	0.0000	0.0000	0.0000	0.0988	0.0000	0.0000	0.4454	0.1005	0.0000	0.0035	0.3518	0.0000	0.0000	0.0000	0.0000	1.0000
Packers	0	0.0000	0.0000	0.0000	0.0295	0.0029	0.0000	0.2684	0.4013	0.0000	0.0000	0.2330	0.0000	0.0030	0.0619	0.0000	1.0000
McArthur	0	0.0022	0.0000	0.0445	0.1292	0.0000	0.0007	0.5912	0.0482	0.0000	0.0022	0.1811	0.0000	0.0007	0.0000	0.0000	1.0000
Chakachatna	0	0.0022	0.0000	0.0445	0.1292	0.0000	0.0007	0.5912	0.0482	0.0000	0.0022	0.1811	0.0000	0.0007	0.0000	0.0000	1.0000
Fish Creek	22,853	0.0000	0.0048	0.0048	0.0642	0.0016	0.0000	0.7545	0.0401	0.0000	0.0016	0.1220	0.0032	0.0000	0.0032	0.0000	1.0000
Other	203,872	0.0011	0.0000	0.0107	0.1854	0.0000	0.0000	0.5211	0.0975	0.0000	0.0049	0.1749	0.0005	0.0018	0.0021	0.0000	1.0000

Summary worksheet for entering commercial harvest age composition (proportions).

Fishery	Commercial Harvest	0.2(31) Pr	1.1(32) Pr	0.3(41) Pr	1.2(42) Pr	2.1(43) Pr	0.4(51) Pr	1.3(52) Pr	2.2(53) Pr	3.1(54) Pr	1.4(62) Pr	2.3(63) Pr	3.2(64) Pr	2.4(73) Pr	3.3(74) Pr	3.4(84) Pr	Total Pr
Drift 3/	599,202	0.0011	0.0000	0.0107	0.1854	0.0000	0.0000	0.5211	0.0975	0.0000	0.0049	0.1748	0.0005	0.0018	0.0021	0.0000	1.000000
Salamatof	119,890	0.0002	0.0000	0.0011	0.1533	0.0002	0.0000	0.5812	0.0693	0.0000	0.0070	0.1826	0.0023	0.0018	0.0010	0.0000	1.000000
Kalifonsky	158,472	0.0000	0.0000	0.0000	0.3262	0.0007	0.0000	0.3530	0.1841	0.0000	0.0064	0.1276	0.0006	0.0014	0.0000	0.0000	1.000000
Cohoe/Ninilchik	233,671	0.0008	0.0000	0.0016	0.2995	0.0005	0.0000	0.3431	0.2050	0.0000	0.0033	0.1438	0.0017	0.0001	0.0006	0.0000	1.000000
Western	19,874	0.0000	0.0000	0.0035	0.1329	0.0012	0.0000	0.1616	0.5706	0.0000	0.0000	0.1308	0.0078	0.0000	0.0016	0.0000	1.000000
Kustatan 4/	3,765	0.0022	0.0000	0.0445	0.1292	0.0000	0.0007	0.5912	0.0482	0.0000	0.0022	0.1811	0.0000	0.0007	0.0000	0.0000	1.000000
Kalgin Island	23,273	0.0000	0.0000	0.0070	0.0749	0.0000	0.0000	0.3559	0.2412	0.0000	0.0000	0.3045	0.0047	0.0000	0.0117	0.0000	1.000000
Chinitna Bay 5/	163	0.0011	0.0000	0.0107	0.1854	0.0000	0.0000	0.5211	0.0975	0.0000	0.0049	0.1749	0.0005	0.0018	0.0021	0.0000	1.000000
General- Knik Arm	39,717	0.0022	0.0000	0.0445	0.1292	0.0000	0.0007	0.5912	0.0482	0.0000	0.0022	0.1811	0.0000	0.0007	0.0000	0.0000	1.000000
Eastern	18,332	0.0058	0.0082	0.0118	0.5261	0.0059	0.0000	0.2299	0.1595	0.0000	0.0000	0.0445	0.0082	0.0000	0.0000	0.0000	1.000000

Summary worksheet for deriving returns by river system using escapement age composition.

n harvest, egg take and cost recovery components		0.2(31) Pr	1.1(32) Pr	0.3(41) Pr	1.2(42) Pr	2.1(43) Pr	0.4(51) Pr	1.3(52) Pr	2.2(53) Pr	3.1(54) Pr	1.4(62) Pr	2.3(63) Pr	3.2(64) Pr	2.4(73) Pr	3.3(74) Pr	3.4(84) Pr	Total
Susitna River																	
eastside sport	6,481	0.0073	0.0034	0.0573	0.1573	0.0000	0.0000	0.6267	0.0400	0.0000	0.0027	0.1053	0.0000	0.0000	0.0000	0.0000	1.0000
westside sport	1,342	0.0073	0.0034	0.0573	0.1573	0.0000	0.0000	0.6267	0.0400	0.0000	0.0027	0.1053	0.0000	0.0000	0.0000	0.0000	1.0000
Kenai River																	
mainstem below sonar	39,302	0.0000	0.0029	0.0000	0.2714	0.0657	0.0000	0.4072	0.0957	0.0014	0.0129	0.1386	0.0014	0.0014	0.0014	0.0000	1.0000
mainstem above sonar	150,055	0.0000	0.0029	0.0000	0.2714	0.0657	0.0000	0.4072	0.0957	0.0014	0.0129	0.1386	0.0014	0.0014	0.0014	0.0000	1.0000
Russian River below falls	74,299	0.0000	0.0000	0.0000	0.0348	0.3314	0.0000	0.0474	0.3681	0.0203	0.0000	0.1730	0.0180	0.0000	0.0070	0.0000	1.0000
confluence of Russian River	0	0.0000	0.0000	0.0000	0.0348	0.3314	0.0000	0.0474	0.3681	0.0203	0.0000	0.1730	0.0180	0.0000	0.0070	0.0000	1.0000
other Hidden & Skilak	589	0.0000	0.0029	0.0000	0.2714	0.0657	0.0000	0.4072	0.0957	0.0014	0.0129	0.1386	0.0014	0.0014	0.0014	0.0000	1.0000
Kasilof River																	
mainstem below sonar	3,240	0.0012	0.0012	0.0000	0.3967	0.0058	0.0000	0.2812	0.2217	0.0000	0.0035	0.0887	0.0000	0.0000	0.0000	0.0000	1.0000
mainstem above sonar	985	0.0012	0.0012	0.0000	0.3967	0.0058	0.0000	0.2812	0.2217	0.0000	0.0035	0.0887	0.0000	0.0000	0.0000	0.0000	1.0000
egg take	9,779	0.0012	0.0012	0.0000	0.3967	0.0058	0.0000	0.2812	0.2217	0.0000	0.0035	0.0887	0.0000	0.0000	0.0000	0.0000	1.0000
#		12	12	0	3,879	57	0	2,750	2,168	0	34	867	0	0	0	0	9,779
Crescent	0	0.0000	0.0000	0.0000	0.0988	0.0000	0.0000	0.4454	0.1005	0.0000	0.0035	0.3518	0.0000	0.0000	0.0000	0.0000	1.0000
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Packers Creek																	
egg take	0	0.0000	0.0000	0.0000	0.0295	0.0029	0.0000	0.2684	0.4013	0.0000	0.0000	0.2330	0.0000	0.0030	0.0619	0.0000	1.0000
cost recovery	888	0.0000	0.0000	0.0000	0.0295	0.0029	0.0000	0.2684	0.4013	0.0000	0.0000	0.2330	0.0000	0.0030	0.0619	0.0000	1.0000
		0	0	0	26	3	0	233	348	0	0	202	0	3	54	0	888
sport	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
McArthur	40	0.0022	0.0000	0.0445	0.1292	0.0000	0.0007	0.5912	0.0482	0.0000	0.0022	0.1811	0.0000	0.0007	0.0000	0.0000	1.0000
Chakachatna	76	0.0022	0.0000	0.0445	0.1292	0.0000	0.0007	0.5912	0.0482	0.0000	0.0022	0.1811	0.0000	0.0007	0.0000	0.0000	1.0000
Fish Creek	179	0.0000	0.0048	0.0048	0.0642	0.0016	0.0000	0.7544	0.0401	0.0000	0.0016	0.1220	0.0032	0.0000	0.0032	0.0000	0.9999
Other	8,997	0.0011	0.0000	0.0107	0.1854	0.0000	0.0000	0.5211	0.0975	0.0000	0.0049	0.1749	0.0005	0.0018	0.0021	0.0000	1.0000

Adjusted percent for all systems included.

River System	0.2(31) %	1.1(32) %	0.3(41) %	1.2(42) %	2.1(43) %	0.4(51) %	1.3(52) %	2.2(53) %	3.1(54) %	1.4(62) %	2.3(63) %	3.2(64) %	2.4(73) %	3.3(74) %	3.4(84) %	Total
Susitna	72.667	20.131	84.675	7.911	0.000	0.000	19.023	4.681	0.000	4.259	10.123	0.000	0.000	0.000	0.000	223.489
Sunshine																
Yentna																
Other																
Kenai	0.000	66.508	0.000	52.667	96.757	0.000	47.676	43.379	100.000	78.626	51.609	86.233	76.599	70.386	0.000	771.040
Kasilof	16.980	10.097	0.000	28.351	3.134	0.000	12.130	36.669	0.000	7.846	12.117	0.000	0.000	0.000	0.000	127.524
Crescent	0.000	0.000	0.000	1.325	0.000	0.000	3.606	3.137	0.000	1.473	9.021	0.000	0.000	0.000	0.000	18.563
Packers	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
McArthur	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Chakachatna	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fish Creek	0.191	3.212	0.773	0.870	0.102	0.000	2.634	0.926	0.000	0.363	1.416	5.549	0.000	4.529	0.000	20.364
Other	10.142	0.052	14.551	8.876	0.008	100.000	14.731	11.009	0.000	7.232	15.715	8.218	23.401	25.085	0.000	239.019
	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	0.000	

Adjusted percent for Susitna, Kenai, Kasilof, Fish Creek, and Other

River System	0.2(31) %	1.1(32) %	0.3(41) %	1.2(42) %	2.1(43) %	0.4(51) %	1.3(52) %	2.2(53) %	3.1(54) %	1.4(62) %	2.3(63) %	3.2(64) %	2.4(73) %	3.3(74) %	3.4(84) %	Total
Susitna	72.667	20.131	84.675	8.017	0.000	0.000	19.734	4.832	0.000	4.323	11.126	0.000	0.000	0.000	0.000	225.526
Sunshine																
Yentna																
Other																
Kenai	0.000	66.508	0.000	53.577	96.757	0.000	49.667	44.784	100.000	80.005	56.726	86.233	76.599	70.386	0.000	781.242
Kasilof	16.980	10.097	0.000	28.731	3.134	0.000	12.584	38.063	0.000	7.964	13.319	0.000	0.000	0.000	0.000	130.671
Crescent																
Packers																
McArthur																
Chakachatna																
Fish Creek	0.191	3.212	0.773	0.679	0.102	0.000	2.732	0.956	0.000	0.369	1.555	5.549	0.000	4.529	0.000	20.647
Other	10.142	0.052	14.551	8.995	0.008	100.000	15.283	11.365	0.000	7.340	17.273	8.218	23.401	25.085	0.000	241.713
	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	0.000	

Adjusted percent for Kenai and Kasilof only.

River System	0.2(31) %	1.1(32) %	0.3(41) %	1.2(42) %	2.1(43) %	0.4(51) %	1.3(52) %	2.2(53) %	3.1(54) %	1.4(62) %	2.3(63) %	3.2(64) %	2.4(73) %	3.3(74) %	3.4(84) %	Total
Susitna																
Sunshine																
Yentna																
Other																
Kenai	0.000	86.820	0.000	65.093	96.863	0.000	79.786	54.056	100.000	90.947	80.985	100.000	100.000	100.000	0.000	954.549
Kasilof	100.000	13.180	0.000	34.907	3.137	0.000	20.214	45.944	0.000	9.053	19.015	0.000	0.000	0.000	0.000	245.451
Crescent																
Packers																
McArthur																
Chakachatna																
Fish Creek																
Other																
	100.000	100.000	0.000	100.000	100.000	0.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	0.000	

Adjusted percent for Susitna, Fish Creek, and Other

River System	0.2(31) %	1.1(32) %	0.3(41) %	1.2(42) %	2.1(43) %	0.4(51) %	1.3(52) %	2.2(53) %	3.1(54) %	1.4(62) %	2.3(63) %	3.2(64) %	2.4(73) %	3.3(74) %	3.4(84) %	Total
Susitna	67.554	86.048	84.675	45.314	0.000	0.000	52.276	26.172	0.000	35.930	37.144	0.000	0.000	0.000	0.000	457.115
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Packers																
McArthur																
Chakachatna																
Fish Creek	0.230	13.731	0.773	3.841	92.765	0.000	7.237	5.572	0.000	3.065	5.192	40.308	0.000	15.293	0.000	188.006
Other	12.216	0.221	14.551	50.845	7.235	100.000	40.485	68.256	0.000	61.004	57.664	59.694	100.000	84.707	0.000	654.879
	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	0.000	100.000	100.000	100.000	100.000	100.000	0.000	

Commercial Catch:

Drift	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	479	0	5,429	8,906	0	0	61,619	2,823	0	127	11,660	0	0	0	0	91,044
Sunshine																
Yentna																
Other																
Kenai	0	0	0	69,620	0	0	166,083	26,164	0	2,349	59,449	268	826	886	0	304,636
Kasilof	112	0	0	31,918	0	0	39,292	22,237	0	234	13,968	0	0	0	0	107,761
Crescent																0
Fish Creek	1	0	60	766	0	0	8,531	559	0	11	1,630	17	0	57	0	11,609
Other	67	0	933	9,993	0	0	47,719	6,640	0	216	18,102	26	252	316	0	84,262
Total	659	0	6,411	111,092	0	0	312,244	58,422	0	2,936	104,800	300	1,079	1,258	0	599,202
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Salamatof	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Sunshine																
Yentna																
Other																
Kenai	0	0	0	11,964	23	0	55,595	4,491	0	763	17,729	276	216	120	0	91,177
Kasilof	24	0	0	6,416	1	0	14,085	3,817	0	76	4,163	0	0	0	0	28,582
Crescent																
Fish Creek																
Other																
Total	24	0	0	18,379	24	0	69,680	8,308	0	839	21,892	276	216	120	0	119,759
remainder	0	0	132	0	0	0	0	0	0	0	0	0	0	0	0	132

Kalifonsky	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna																
Sunshine																
Yentna																
Other																
Kenai	0	0	0	33,649	107	0	44,633	16,771	0	922	16,376	95	222	0	0	111,776
Kasilof	0	0	0	18,046	3	0	11,308	13,404	0	92	3,845	0	0	0	0	46,697
Crescent																
Fish Creek																
Other																
Total	0	0	0	51,694	111	0	55,941	29,176	0	1,014	20,221	95	222	0	0	158,472
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Cohoe/Ninilchik	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna																
Sunshine																
Yentna																
Other																
Kenai	0	0	0	46,666	113	0	63,966	26,894	0	701	27,213	397	23	140	0	164,003
Kasilof	187	0	0	24,430	4	0	16,206	22,006	0	70	6,389	0	0	0	0	69,294
Crescent																
Fish Creek																
Other																
Total	187	0	0	69,984	117	0	80,173	47,903	0	771	33,602	397	23	140	0	233,297
remainder	0	0	374	0	0	0	0	0	0	0	0	0	0	0	0	374

Western	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna																
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent	0	0	70	2,641	24	0	3,013	11,340	0	0	2,600	156	0	32	0	19,874
Fish Creek																
Other																
Total	0	0	70	2,641	24	0	3,013	11,340	0	0	2,600	156	0	32	0	19,874
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Kustatan	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	7	0	142	220	0	0	1,164	51	0	3	253	0	0	0	0	1,841
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Fish Creek	0	0	1	19	0	0	161	10	0	0	35	0	0	0	0	227
Other	1	0	24	247	0	3	901	120	0	5	393	0	3	0	0	1,698
Total	8	0	168	486	0	3	2,226	181	0	8	682	0	3	0	0	3,765
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Kalgin Island	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	0	0	138	140	0	0	1,635	271	0	0	788	0	0	0	0	2,972
Sunshine																
Yentna																
Other																
Kenai	0	0	0	934	0	0	4,114	2,514	0	0	4,020	94	0	192	0	11,868
Kasilof	0	0	0	501	0	0	1,042	2,137	0	0	944	0	0	0	0	4,624
Crescent																
Fish Creek	0	0	1	12	0	0	226	54	0	0	110	8	0	12	0	422
Other	0	0	24	157	0	0	1,266	638	0	0	1,224	9	0	68	0	3,386
Total	0	0	163	1,743	0	0	8,283	5,613	0	0	7,087	109	0	272	0	23,271
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Chinitna Bay	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	0	0	1	2	0	0	17	1	0	0	3	0	0	0	0	25
Sunshine																
Yentna																
Other																
Kenai	0	0	0	16	0	0	42	7	0	1	16	0	0	0	0	83
Kasilof	0	0	0	9	0	0	11	6	0	0	4	0	0	0	0	29
Crescent																
Fish Creek	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	3
Other	0	0	0	3	0	0	13	2	0	0	5	0	0	0	0	23
Total	0	0	2	30	0	0	85	16	0	1	29	0	0	0	0	163
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

General - Knik Arm	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	77	0	1,497	2,325	0	0	12,275	539	0	31	2,672	0	0	0	0	19,416
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Fish Creek	0	0	14	197	0	0	1,699	107	0	3	373	0	0	0	0	2,393
Other	11	0	257	2,609	0	28	9,506	1,268	0	53	4,148	0	28	0	0	17,908
Total	87	0	1,767	5,131	0	28	23,481	1,914	0	87	7,193	0	28	0	0	39,717
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Eastern	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	95	129	183	4,370	0	0	2,203	824	0	0	303	0	0	0	0	8,108
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Fish Creek	0	21	2	370	100	0	305	163	0	0	42	61	0	0	0	1,064
Other	13	0	31	4,904	8	0	1,706	1,937	0	0	470	90	0	0	0	9,160
Total	108	150	216	9,644	108	0	4,215	2,924	0	0	816	150	0	0	0	18,332
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Knik Arm	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna																
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Fish Creek	0	12	12	167	4	0	1,959	104	0	4	317	8	0	8	0	2,597
Other																
Total	0	12	12	167	4	0	1,959	104	0	4	317	8	0	8	0	2,597
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix A. 1998 (continued)

remainders Drift	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total	Drift
Susitna	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Sunshine																	
Yentna																	
Other																	
Kenai	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Kasilof	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Crescent																	
Packers																	
McArthur																	
Chakachatna																	
Fish Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Salamatof	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total	Salamatof
Susitna	0	0	112	0	0	0	0	0	0	0	0	0	0	0	0	112	
Sunshine																	
Yentna																	
Other																	
Kenai	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Kasilof	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Crescent																	
Packers																	
McArthur																	
Chakachatna																	
Fish Creek	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	
Other	0	0	19	0	0	0	0	0	0	0	0	0	0	0	0	19	
Total	0	0	132	0	0	0	0	0	0	0	0	0	0	0	0	132	132
Remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Kalifonsky	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total	Kalifonsky
Susitna	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Sunshine																	
Yentna																	
Other																	
Kenai	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Kasilof	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Crescent																	
Packers																	
McArthur																	
Chakachatna																	
Fish Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Cohoe/Ninilchik	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total	Cohoe/Ninilchik
Susitna	0	0	317	0	0	0	0	0	0	0	0	0	0	0	0	317	
Sunshine																	
Yentna																	
Other																	
Kenai	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Kasilof	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Crescent																	
Packers																	
McArthur																	
Chakachatna																	
Fish Creek	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	3	
Other	0	0	54	0	0	0	0	0	0	0	0	0	0	0	0	54	
Total	0	0	374	0	0	0	0	0	0	0	0	0	0	0	0	374	374
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Kalgin Island East	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total	Kalgin Island East
Susitna																	
Sunshine																	
Yentna																	
Other																	
Kenai																	
Kasilof																	
Crescent																	
Packers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
McArthur																	
Chakachatna																	
Fish Creek																	
Other																	
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Kalgin Island West	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total	Kalgin Island West
Susitna																	
Sunshine																	
Yentna																	
Other																	
Kenai																	
Kasilof																	
Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Packers																	
McArthur																	
Chakachatna																	
Fish Creek																	
Other																	
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix A. 1998 (continued)

Summary worksheet for deriving returns by river system using escapement age composition.

River System	Total Escapement	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
		#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	
Susitna	233,265	1,703	793	13,366	36,693	0	0	146,187	9,331	0	630	24,563	0	0	0	0	233,265
Sunshine	113,642	830	386	6,512	17,876	0	0	71,219	4,546	0	307	11,966	0	0	0	0	113,642
Yentna	119,623	873	407	6,854	18,817	0	0	74,968	4,785	0	323	12,596	0	0	0	0	119,623
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kenai	767,558	0	2,226	0	208,315	50,429	0	312,550	73,455	1,075	9,901	106,384	1,075	1,075	1,075	0	767,558
Kasilof	273,213	328	328	0	108,384	1,585	0	78,827	80,571	0	956	24,234	0	0	0	0	273,213
Crescent	62,257	0	0	0	6,151	0	0	27,729	6,257	0	218	21,902	0	0	0	0	62,257
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fish Creek	22,853	0	110	110	1,467	37	0	17,243	916	0	37	2,788	73	0	73	0	22,853
Other	203,872	224	0	2,181	37,798	0	0	106,238	19,878	0	999	35,657	102	367	428	0	203,872
Total	1,563,018	2,255	3,457	15,657	398,807	52,050	0	686,774	170,408	1,075	12,741	215,528	1,250	1,442	1,576	0	1,563,018

Fishery	Commercial Harvest	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
		#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
Drift	599,202	659	0	6,411	111,092	0	0	312,244	58,422	0	2,936	104,800	300	1,079	1,258	0	599,202
Salamatof	119,890	24	0	132	18,379	24	0	69,680	8,308	0	839	21,892	276	216	120	0	119,890
Kalifonsky	158,472	0	0	0	51,694	111	0	55,941	29,175	0	1,014	20,221	95	222	0	0	158,472
Cohoe/Ninilchik	233,671	187	0	374	69,984	117	0	80,173	47,903	0	771	33,602	397	23	140	0	233,671
Western	19,874	0	0	70	2,641	24	0	3,013	11,340	0	0	2,600	155	0	32	0	19,874
Kustatan	3,765	8	0	168	486	0	3	2,226	181	0	8	682	0	3	0	0	3,765
Kalgin Island	23,273	0	0	163	1,743	0	0	8,283	5,613	0	0	7,087	109	0	272	0	23,271
Chinitna Bay	163	0	0	2	30	0	0	85	16	0	1	29	0	0	0	0	163
General	39,717	87	0	1,767	5,131	0	28	23,481	1,914	0	87	7,193	0	28	0	0	39,717
Eastern	18,332	108	150	216	9,644	108	0	4,215	2,924	0	0	816	150	0	0	0	18,332
Knik Arm	2,597	0	12	12	167	4	0	1,959	104	0	4	317	8	0	8	0	2,597
Total	1,218,956	1,074	163	9,315	270,993	388	30	561,299	165,901	0	5,661	199,237	1,491	1,570	1,831	0	1,218,954

Total UCI Comm. Harvest	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	658	129	7,618	15,984	0	0	78,913	4,509	0	161	15,680	0	0	0	0	123,633
Sunshine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Yentna	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Kenai	0	0	0	151,637	244	0	323,433	74,841	0	4,737	124,803	1,121	1,287	1,338	0	683,441
Kasilof	323	0	0	61,318	8	0	81,944	63,609	0	471	29,303	0	0	0	0	256,976
Crescent	0	0	70	2,641	24	0	3,013	11,340	0	0	2,600	155	0	32	0	19,674
Fish Creek	2	33	84	1,520	104	0	12,884	996	0	18	2,509	92	0	78	0	18,319
Other	92	0	1,344	17,913	6	30	61,111	10,606	0	274	24,343	123	263	384	0	116,510
Total	1,074	163	9,315	270,993	386	30	561,299	165,901	0	5,661	199,237	1,491	1,570	1,831	0	1,218,954

Total UCI Escapement	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	1,703	793	13,366	36,693	0	0	146,187	9,331	0	630	24,563	0	0	0	0	233,265
Sunshine	630	386	6,512	17,876	0	0	71,219	4,546	0	307	11,986	0	0	0	0	113,642
Yentna	673	407	6,654	18,817	0	0	74,968	4,785	0	323	12,596	0	0	0	0	119,623
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kenai	0	2,226	0	208,315	50,429	0	312,550	73,455	1,075	9,901	106,384	1,075	1,075	1,075	0	767,558
Kasilof	328	328	0	108,384	1,585	0	76,827	60,571	0	958	24,234	0	0	0	0	273,213
Crescent	0	0	0	6,151	0	0	27,729	6,257	0	218	21,902	0	0	0	0	62,257
Fish Creek	0	110	110	1,467	37	0	17,243	916	0	37	2,788	73	0	73	0	22,853
Other	224	0	2,181	37,796	0	0	108,238	19,878	0	999	35,657	102	367	428	0	203,872
Total	2,255	3,457	15,657	398,807	52,050	0	606,774	170,408	1,075	12,741	215,528	1,250	1,442	1,576	0	1,583,018

Total UCI Personal Use, Sport & Sub. Harvest	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna River PU Total	1	0	7	20	0	0	80	5	0	0	13	0	0	0	0	127
PU (Tyonek,General,Eustatna)	1	0	7	20	0	0	80	5	0	0	13	0	0	0	0	127
eastside sport	47	22	371	1,019	0	0	4,082	259	0	17	682	0	0	0	0	6,481
westside sport	10	5	77	211	0	0	841	54	0	4	141	0	0	0	0	1,342
Sport Total	57	27	448	1,231	0	0	4,903	313	0	21	824	0	0	0	0	7,823
Kenai River	0	633	0	80,510	43,486	0	120,437	54,827	1,910	3,704	52,649	1,739	402	922	0	361,419
PU & Sub (includes Bastern)	0	282	0	26,373	6,384	0	39,569	9,300	136	1,254	13,468	136	136	136	0	97,174
mainstem sport below sonar	0	114	0	10,667	2,582	0	16,004	3,761	55	507	5,447	55	55	55	0	39,302
mainstem sport above sonar	0	435	0	40,725	9,859	0	61,102	14,360	210	1,936	20,798	210	210	210	0	150,055
Russian sport below falls	0	0	0	2,586	24,623	0	3,522	27,349	1,508	0	12,854	1,337	0	520	0	74,299
confluence of Russian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other Hidden & Skilak	0	2	0	160	39	0	240	56	1	6	82	1	1	1	0	589
Kasilof River	71	71	0	23,582	345	0	16,716	13,179	0	208	5,273	0	0	0	0	59,446
PU & Sub	66	66	0	21,906	320	0	15,528	12,242	0	193	4,896	0	0	0	0	55,221
mainstem sport below sonar	4	4	0	1,285	19	0	911	718	0	11	287	0	0	0	0	3,240
mainstem sport above sonar	1	1	0	391	6	0	277	218	0	3	87	0	0	0	0	985
Crescent River (Western)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Packers Creek (Kalgin)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
McArthur sport	0	0	2	5	0	0	24	2	0	0	7	0	0	0	0	40
Chakachatna sport	0	0	3	10	0	0	45	4	0	0	14	0	0	0	0	76
Fish Creek	4	5	0	1,549	23	0	1,096	866	0	14	346	0	0	0	0	3,904
PU & Sub	4	4	0	1,478	22	0	1,047	826	0	13	330	0	0	0	0	3,725
sport	0	0	0	71	1	0	50	40	0	1	16	0	0	0	0	179
Other Northern & Central PU	13	2	117	3,396	5	0	7,033	2,079	0	71	2,497	19	20	23	0	15,274
Total	90	911	129	109,072	43,859	0	145,433	70,981	1,910	3,997	60,799	1,758	422	945	0	440,286

UCI Total Return	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	2,361	923	21,192	52,877	0	0	225,180	13,845	0	791	40,256	0	0	0	0	357,225
Kenai	0	2,622	0	396,992	59,639	0	691,556	161,357	1,266	18,399	250,102	2,386	2,553	2,603	0	1,587,475
Kasilof	721	398	0	212,693	1,932	0	175,211	137,141	0	1,632	56,723	0	0	0	0	586,650
Crescent	0	0	70	8,792	24	0	30,742	17,597	0	218	24,502	155	0	32	0	82,131
Packers	0	0	0	26	3	0	233	348	0	0	202	0	3	54	0	868
McArthur	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chakachatna	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fish Creek	8	147	194	4,485	163	0	31,174	2,738	0	68	5,827	165	0	151	0	44,697
Other	329	2	3,842	59,106	13	31	174,382	32,582	0	1,344	62,498	244	670	835	0	335,656
Total	3,418	4,092	25,096	734,950	61,772	31	1,328,478	365,589	1,266	20,452	441,908	2,950	3,225	3,675	0	2,998,902

Summary of commercial and personal use harvest and escapement by river system, Upper Cook Inlet, Alaska, 1998

	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna:																
comm. harvest	658	129	7,818	15,964	0	0	78,913	4,509	0	161	15,680	0	0	0	0	123,833
spawners	1,646	767	12,918	35,462	0	0	141,284	9,018	0	609	23,739	0	0	0	0	225,442
other	58	27	456	1,251	0	0	4,982	318	0	21	837	0	0	0	0	7,950
Total	2,361	923	21,192	52,677	0	0	225,180	13,845	0	791	40,256	0	0	0	0	357,225
Kenai:																
comm. harvest	0	0	0	151,637	244	0	323,433	74,841	0	4,737	124,803	1,121	1,287	1,338	0	683,441
spawners	0	1,789	0	164,845	15,909	0	247,686	31,689	(645)	7,958	72,651	(474)	864	344	0	542,615
other	0	833	0	80,510	43,486	0	120,437	54,827	1,910	3,704	52,649	1,739	402	922	0	361,419
Total	0	2,622	0	396,992	59,639	0	691,556	161,357	1,266	16,399	250,102	2,386	2,553	2,603	0	1,587,475
Kasilof:																
comm. harvest	323	0	0	81,318	8	0	81,944	63,609	0	471	29,303	0	0	0	0	256,976
spawners	315	315	0	104,114	1,522	0	73,801	58,185	0	919	23,279	0	0	0	0	262,449
other	83	83	0	27,462	402	0	19,466	15,347	0	242	6,140	0	0	0	0	69,225
Total	721	398	0	212,893	1,932	0	175,211	137,141	0	1,632	58,723	0	0	0	0	588,650
Crescent:																
comm. harvest	0	0	70	2,641	24	0	3,013	11,340	0	0	2,600	155	0	32	0	19,874
spawners	0	0	0	6,151	0	0	27,729	6,257	0	218	21,902	0	0	0	0	62,257
other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	70	8,792	24	0	30,742	17,597	0	218	24,502	155	0	32	0	82,131

Summary of commercial and personal use harvest and escapement by river system, Upper Cook Inlet, Alaska, 1998

	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Fish Creek:																
comm. harvest	2	33	84	1,520	104	0	12,884	996	0	18	2,509	92	0	78	0	18,319
spawners	0	109	110	1,396	36	0	17,192	877	0	36	2,772	73	0	73	0	22,674
other	4	5	0	1,549	23	0	1,098	866	0	14	346	0	0	0	0	3,904
Total	6	147	194	4,465	163	0	31,174	2,738	0	68	5,627	165	0	151	0	44,897
Other:																
comm. harvest	92	0	1,344	17,913	8	30	61,111	10,606	0	274	24,343	123	283	384	0	116,510
spawners	224	0	2,181	37,798	0	0	106,238	19,878	0	999	35,657	102	367	428	0	203,872
other	14	2	122	3,436	7	0	7,335	2,433	0	71	2,720	19	22	77	0	16,258
Total	330	2	3,647	59,147	15	31	174,684	32,916	0	1,344	62,720	244	672	889	0	336,640
UCI Total:																
comm. harvest	1,074	163	9,315	270,993	388	30	561,299	165,901	0	5,661	199,237	1,491	1,570	1,831	0	1,216,954
spawners	2,185	2,980	15,209	349,765	17,466	0	613,930	125,903	(645)	10,738	180,000	(299)	1,231	845	0	1,319,309
other	159	949	577	114,207	43,918	0	153,318	73,790	1,910	4,052	62,692	1,758	424	999	0	458,756
Grand Total	3,418	4,092	25,102	734,965	61,772	31	1,328,546	365,594	1,266	20,452	441,929	2,950	3,225	3,675	0	2,997,018
Exploitation Rate				0.524			0.538	0.656			0.593					0.560

relative age class contribution method used to derive age composition by river system

Summary of exploitation rates by river system, Upper Cook Inlet, Alaska, 1998

	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna:																
Total	0.303	0.169	0.390	0.327			0.373	0.349		0.231	0.410					0.369
Kenai:																
Total				0.565	0.733		0.642	0.804		0.515	0.710	1.198	0.662	0.868		0.658
Kasilof:																
Total	0.563	0.209		0.511	0.212		0.579	0.576		0.437	0.604					0.554
Crescent:																
Total			1.000	0.300	1.000		0.098	0.644		0.000	0.106	1.000		1.000		0.242
Fish Creek:																
Total	1.000	0.257	0.433	0.687	0.782		0.449	0.680		0.468	0.507	0.556		0.515		0.495
Other:																
Total	0.320	1.000	0.402	0.361	1.000	1.000	0.392	0.396		0.257	0.431	0.582	0.454	0.518		0.394
UCI Total:																
Grand Total	0.361	0.272	0.394	0.524	0.717	1.000	0.538	0.656	1.509	0.475	0.593	1.101	0.618	0.770		0.560

98	1	1	658	129	7818	15964	0	0	78913	4509	0	161	15680	0	0	0	0	123833
98	1	2	1646	767	12918	35462	0	0	141284	9018	0	609	23739	0	0	0	0	225442
98	1	3	58	27	456	1251	0	0	4982	318	0	21	837	0	0	0	0	7950
98	2	1	0	0	0	151637	244	0	323433	74841	0	4737	124803	1121	1287	1338	0	683441
98	2	2	0	1789	0	164845	15909	0	247686	31689	0	7958	72651	0	864	344	0	543733
98	2	3	0	833	0	80510	43486	0	120437	54827	1265	3704	52649	1265	402	922	0	360300
98	3	1	323	0	0	81318	8	0	81944	63609	0	471	29303	0	0	0	0	256976
98	3	2	315	315	0	104114	1522	0	73801	58185	0	919	23279	0	0	0	0	262449
98	3	3	83	83	0	27462	402	0	19466	15347	0	242	6140	0	0	0	0	69225
98	4	1	0	0	70	2641	24	0	3013	11340	0	0	2600	155	0	32	0	19874
98	4	2	0	0	0	6151	0	0	27729	6257	0	218	21902	0	0	0	0	62257
98	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98	6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98	6	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98	8	1	2	33	84	1520	104	0	12884	996	0	18	2509	92	0	78	0	18319
98	8	2	0	109	110	1396	36	0	17192	877	0	36	2772	73	0	73	0	22674
98	8	3	4	5	0	1549	23	0	1098	866	0	14	346	0	0	0	0	3904
98	9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98	9	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98	9	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98	10	1	92	0	1344	17913	8	30	61111	10606	0	274	24343	123	283	384	0	116510
98	10	2	224	0	2181	37798	0	0	106238	19878	0	999	35657	102	367	428	0	203872
98	10	3	14	2	122	3436	7	0	7335	2433	0	71	2720	19	22	77	0	16258

Appendix A. 1998 (continued)

HIDDEN LAKE F1 ESCAPEMENT, COMM. CATCH AND TOTAL RETURN 1978-1999

				Exploitation Rate			Age Composition (#) (E)			Total Return			Commercial Catch (C)		
Return Year	Hidden Esc	Hatchery Proportion	Hidden Enhanced Esc	Age1.2	Age1.3	Age2.2	Age1.2	Age1.3	Age2.2	Age1.2	Age1.3	Age2.2	Age1.2	Age1.3	Age2.2
1978	4,647	0	0						0	0	0	0	0	0	0
1979	5,762	0	0						0	0	0	0	0	0	0
1980	27,488	0.53	14,569	0.596	0.703	0.746	13,403	146	1,020	33,176	491	4,015	19,773	345	2,995
1981	15,939	0.5	7,970	0.557	0.594	0.783	6,216	1,195	558	14,032	2,944	2,571	7,816	1,749	2,013
1982	9,790	0.03	294	0.723	0.778	0.719	206	68	21	742	304	73	537	237	53
1983	11,297	0	0				0	0	0	0	0	0	0	0	0
1984	27,784	0	0				0	0	0	0	0	0	0	0	0
1985	24,784	0	0				0	0	0	0	0	0	0	0	0
1986	17,530	0.58	10,167	0.818	0.862	0.873	8,642	915	610	47,485	6,631	4,803	38,843	5,716	4,193
1987	43,487	0.75	32,615	0.735	0.850	0.873	31,311	978	326	118,153	6,523	2,568	86,843	5,545	2,242
1988	50,907	0.78	39,707	0.800	0.852	0.896	37,325	1,588	794	186,625	10,732	7,636	149,300	9,143	6,842
1989	7,770	0	0						0	0	0	0	0	0	0
1990	77,959	0.81	63,147	0.632	0.837	0.862	54,306	1,263	7,578	147,571	7,748	54,910	93,265	6,485	47,333
1991	35,732	0.92	32,873	0.717	0.789	0.890	29,586	2,301	986	104,545	10,906	8,965	74,958	8,605	7,979
1992	32,912	0.61	20,076	0.834	0.905	0.895	16,463	2,610	1,004	99,172	27,473	9,560	82,710	24,863	8,556
1993	11,582	0.58	6,718	0.717	0.839	0.863	5,374	605	739	18,990	3,755	5,394	13,616	3,151	4,655
1994	6,085	0.56	3,408	0.676	0.743	0.701	2,045	1,056	307	6,310	4,110	1,026	4,266	3,054	719
1995	7,542	0.84	6,335	0.697	0.798	0.797	3,991	760	1,584	13,172	3,764	7,802	9,181	3,003	6,218
1996	55,526	0.87	48,308	0.777	0.818	0.864	40,095	3,382	4,831	179,800	18,580	35,520	139,704	15,198	30,690
1997	56,053	0.73	40,919	0.715	0.771	0.779	31,507	7,365	2,046	110,552	32,163	9,258	79,045	24,798	7,212
1998	67,727	0.78	52,827	0.512	0.586	0.581	43,846	7,396	1,585	89,849	17,864	3,782	46,003	10,468	2,198
1999	49,406	0.71	35,078	0.667	0.713	0.637	31,220	2,105	1,754	93,753	7,333	4,832	62,533	5,229	3,078

Year for new data sheet

				Exploitation Rate			Age Composition (#) (E)			Total Return			Commercial Catch (C)		
Return Year	Hidden Esc	Hatchery Proportion	Hidden Enhanced Esc	Age1.2	Age1.3	Age2.2	Age1.2	Age1.3	Age2.2	Age1.2	Age1.3	Ag2.2	Age1.2	Age1.3	Age2.2
1998	67,727	0.78	52,827	0.512	0.586	0.581	43,846	7,396	1,585	89,849	17,864	3,782	46,003	10,468	2,198

98	1	1	658	129	7818	15964	0	0	78913	4509	0	161	15680	0	0	0	0	123833
98	1	2	1646	767	12918	35462	0	0	141284	9018	0	609	23739	0	0	0	0	225442
98	1	3	58	27	456	1251	0	0	4982	318	0	21	837	0	0	0	0	7950
98	2	1	0	0	0	105634	244	0	312965	72643	0	4737	124803	1121	1287	1338	0	624772
98	2	2	0	1789	0	120998	15909	0	240290	30104	0	7958	72651	0	864	344	0	490906
98	2	3	0	833	0	80510	43486	0	120437	54827	1265	3704	52649	1265	402	922	0	360300
98	3	1	323	0	0	81318	8	0	81944	63609	0	471	29303	0	0	0	0	256976
98	3	2	315	315	0	104114	1522	0	73801	58185	0	919	23279	0	0	0	0	262449
98	3	3	83	83	0	27462	402	0	19466	15347	0	242	6140	0	0	0	0	69225
98	4	1	0	0	70	2641	24	0	3013	11340	0	0	2600	155	0	32	0	19874
98	4	2	0	0	0	6151	0	0	27729	6257	0	218	21902	0	0	0	0	62257
98	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98	6	1	0	0	0	46003	0	0	10468	2198	0	0	0	0	0	0	0	58669
98	6	2	0	0	0	43846	0	0	7396	1585	0	0	0	0	0	0	0	52827
98	6	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98	8	1	2	33	84	1520	104	0	12884	996	0	18	2509	92	0	78	0	18319
98	8	2	0	109	110	1396	36	0	17192	877	0	36	2772	73	0	73	0	22674
98	8	3	4	5	0	1549	23	0	1098	866	0	14	346	0	0	0	0	3904
98	9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98	9	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98	9	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98	10	1	92	0	1344	17913	8	30	61111	10606	0	274	24343	123	283	384	0	116510
98	10	2	224	0	2181	37798	0	0	106238	19878	0	999	35657	102	367	428	0	203872
98	10	3	14	2	122	3436	7	0	7335	2433	0	71	2720	19	22	77	0	16258

Appendix A. Escapement and harvest estimates and age composition data used to estimate total return by river system.

Year: 1999 **Preliminary**

Filename: 99ageret.xls

Escapement final		Commercial Harvest		Personal Use & Subsistence Harvest		Sport Harvest	
Susitna	193,107	**Drift 3/**	**1,414,267**	**Tyonek**		**Susitna River**	7,724
Sunshine 1/	94,078	**Salamatof**	**217,046**	**General (goto B298)**	**0**	eastside	
Yentna	**99,029**	**Kalifonsky**	**344,552**	**Kasilof dip net**	**33,662**	westside	
Other in river	**0**	**Cohoe/Ninilchik**	**531,308**	**Kasilof gill net**	**11,016**	**Kenai River**	235,500
Kenai	**803,379**	**Western**	**49,441**	**Western (goto B314)**	**0**	mainstem below sonar 7/	50,000
Kasilof	**312,587**	**Kustatan 4/**	**5,212**	**Kenai dip net**	**134,058**	mainstem above sonar 8/	150,000
Crescent	**66,519**	**Kalgin Island 5/**	**59,092**	**Kenai gillnet**	**0**	Russian River below falls	35,000
		Chinitna Bay 6/	**709**	**Kenaitze**	**1,944**	confluence of Russian River	
		General- Knik Arm	**37,117**	**Kalgin**	**0**	other Hidden&Skilak	500
		Eastern	**21,963**	**Fish dip net**	**900**	**Kasilof River**	4,000
Fish Creek	**26,691**	**Knik Arm**	**0**	**Fish gill net**	**0**	mainstem below sonar	
Other 2/	210,342			**Kustatan (goto B298)**	**0**	mainstem above sonar	
Other	**0**			**Eastern (goto B324)**	**0**	**Crescent River**	**0**
				Knik (goto B321)	**0**	**Packers Creek**	**0**
				Other combined UCI	**6,604**	**McArthur River**	**0**
Total	1,612,625		2,680,707	**Total**	188,184	**Chakachatna River**	**0**
						Fish Creek	**100**
						Other	**7,000**
						Total	254,324

Footnotes and sources of information:

Escapement: Refers to sonar counts and weir counts

1/ Sunshine estimate derived by using mean ratio of Sunshine on Yentna escapement 1981-85.

$$Y = 0.95 * X$$

where Y = Sunshine and
X = Yentna.

2/ Other represents 15% of total monitored escapement - drift age composition used.
assume an added 15% for unmonitored escapements for weighting escapement age composition.

Commercial Harvest:

2b/ Added Knik commercial to escapement & other sport/PU harvests for weighting escapement age composition.
3/ Drift represents all substatistical harvest areas with Drift gillnet except Chinitna Bay.
4/ Kustatan - age composition of Northern District westside used.
5/ Kalgin Island - age composition of drift used.
6/ Chinitna - age composition of drift used.

Subsistence and Personal Use harvests:

Age composition of nearest river used.

Sport harvest: assumptions below used until statewide harvest report is produced.

Kenai River - estimate of in-river total harvest based on estimate from last three years harvests.
7/ mainstem below sonar - estimate based on a historical average of 25% being taken below sonar site (RM 19).
8/ mainstem above sonar - estimate based on a historical average of 75% being taken above sonar site (RM 19).
Russian River below falls estimate: personal communication D. Athons.
Susitna River - estimate of in-river harvest based on three previous years trends.
"Other" sport harvest estimate calculated based on lastest years' trends.

References:

Escapement, Commercial Harvest & Egg Takes:

G. Fandrei, CIAA, Soldotna, personal communication
Fandrei 1999
J. Fox, ADF&G, Soldotna, personal communication
Tobias and Tarbox 2000

Subsistence and Personal Use harvests:

J. Fox, ADF&G, Soldotna, personal communication
L. Marsh, ADF&G, Soldotna, personal communication

Sport harvest:

B. King, ADF&G, Soldotna, personal communication

Appendix A. 1999 (continued)

Summary worksheet for entering escapement age composition (proportions).

River System	Total Escapement	0.2(31) Pr	1.1(32) Pr	0.3(41) Pr	1.2(42) Pr	2.1(43) Pr	0.4(51) Pr	1.3(52) Pr	2.2(53) Pr	3.1(54) Pr	1.4(62) Pr	2.3(63) Pr	3.2(64) Pr	2.4(73) Pr	3.3(74) Pr	3.4(84) Pr	Total
Susitna																	
Sunshine	94,076	0.0360	0.0000	0.0338	0.2342	0.0000	0.0000	0.5203	0.0856	0.0000	0.0090	0.0811	0.0000	0.0000	0.0000	0.0000	1.0000
Yentna	99,029	0.0360	0.0000	0.0338	0.2342	0.0000	0.0000	0.5203	0.0856	0.0000	0.0090	0.0811	0.0000	0.0000	0.0000	0.0000	1.0000
Other	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Kenai	803,379	0.0000	0.0000	0.0027	0.1514	0.0123	0.0000	0.5539	0.1678	0.0014	0.0041	0.0955	0.0095	0.0014	0.0000	0.0000	1.0000
Kasilof	312,587	0.0000	0.0000	0.0000	0.2967	0.0010	0.0000	0.3382	0.2666	0.0000	0.0021	0.0944	0.0010	0.0000	0.0000	0.0000	1.0000
Crescent	66,519	0.0000	0.0000	0.0000	0.2138	0.0011	0.0000	0.3937	0.0921	0.0000	0.0043	0.2928	0.0000	0.0011	0.0011	0.0000	1.0000
Packers		0.0000	0.0000	0.0000	0.0570	0.0457	0.0000	0.0114	0.7566	0.0000	0.0000	0.1255	0.0038	0.0000	0.0000	0.0000	1.0000
McArthur		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Chakachatna		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fish Creek	26,691	0.0000	0.1164	0.0000	0.7499	0.0096	0.0000	0.0248	0.0859	0.0000	0.0019	0.0096	0.0019	0.0000	0.0000	0.0000	1.0000
Other	210,342	0.0010	0.0000	0.0146	0.1330	0.0000	0.0000	0.5973	0.0942	0.0000	0.0053	0.1512	0.0015	0.0010	0.0009	0.0000	1.0000

Summary worksheet for entering commercial harvest age composition (proportions).

Fishery	Commercial Harvest	0.2(31) Pr	1.1(32) Pr	0.3(41) Pr	1.2(42) Pr	2.1(43) Pr	0.4(51) Pr	1.3(52) Pr	2.2(53) Pr	3.1(54) Pr	1.4(62) Pr	2.3(63) Pr	3.2(64) Pr	2.4(73) Pr	3.3(74) Pr	3.4(84) Pr	Total Pr
Drift 3/	1,414,267	0.0010	0.0000	0.0146	0.1330	0.0000	0.0000	0.5973	0.0942	0.0000	0.0053	0.1512	0.0015	0.0010	0.0009	0.0000	1.000000
Salamatof	217,046	0.0001	0.0000	0.0018	0.1400	0.0012	0.0000	0.5606	0.1824	0.0000	0.0052	0.1043	0.0014	0.0022	0.0008	0.0000	1.000000
Kalifonsky	344,552	0.0000	0.0000	0.0010	0.1875	0.0000	0.0000	0.5304	0.1724	0.0000	0.0035	0.1023	0.0004	0.0025	0.0000	0.0000	1.000000
Cohoe/Ninilchik	531,308	0.0003	0.0000	0.0007	0.2435	0.0000	0.0000	0.4637	0.1941	0.0000	0.0025	0.0944	0.0000	0.0001	0.0007	0.0000	1.000000
Western	49,441	0.0000	0.2055	0.0000	0.0000	0.0000	0.0000	0.3795	0.1225	0.0000	0.0000	0.2925	0.0000	0.0000	0.0000	0.0000	1.000000
Kustatan 4/	5,212	0.0051	0.0000	0.0257	0.2008	0.0000	0.0000	0.4444	0.0466	0.0000	0.0057	0.2707	0.0000	0.0000	0.0010	0.0000	1.000000
Kalgin Island 5/	59,092	0.0010	0.0000	0.0146	0.1330	0.0000	0.0000	0.5973	0.0942	0.0000	0.0053	0.1512	0.0015	0.0010	0.0009	0.0000	1.000000
Chinitna Bay 6/	709	0.0010	0.0000	0.0146	0.1330	0.0000	0.0000	0.5973	0.0942	0.0000	0.0053	0.1512	0.0015	0.0010	0.0009	0.0000	1.000000
General- Knik Arm	37,117	0.0051	0.0000	0.0257	0.2008	0.0000	0.0000	0.4444	0.0466	0.0000	0.0057	0.2707	0.0000	0.0000	0.0010	0.0000	1.000000
Eastern	21,963	0.0065	0.0000	0.0302	0.3564	0.0000	0.0000	0.2656	0.2744	0.0000	0.0021	0.0583	0.0065	0.0000	0.0000	0.0000	1.000000

Summary worksheet for deriving returns by river system using escapement age composition.

rt harvest, egg take and cost recovery components		0.2(31) Pr	1.1(32) Pr	0.3(41) Pr	1.2(42) Pr	2.1(43) Pr	0.4(51) Pr	1.3(52) Pr	2.2(53) Pr	3.1(54) Pr	1.4(62) Pr	2.3(63) Pr	3.2(64) Pr	2.4(73) Pr	3.3(74) Pr	3.4(84) Pr	Total
Susitna River																	
eastside sport	5,098	0.0360	0.0000	0.0338	0.2342	0.0000	0.0000	0.5203	0.0856	0.0000	0.0090	0.0811	0.0000	0.0000	0.0000	0.0000	1.0000
westside sport	2,626	0.0360	0.0000	0.0338	0.2342	0.0000	0.0000	0.5203	0.0856	0.0000	0.0090	0.0811	0.0000	0.0000	0.0000	0.0000	1.0000
Kenai River																	
mainstem below sonar	50,000	0.0000	0.0000	0.0027	0.1514	0.0123	0.0000	0.5539	0.1678	0.0014	0.0041	0.0955	0.0095	0.0014	0.0000	0.0000	1.0000
mainstem above sonar	150,000	0.0000	0.0000	0.0027	0.1514	0.0123	0.0000	0.5539	0.1678	0.0014	0.0041	0.0955	0.0095	0.0014	0.0000	0.0000	1.0000
Russian River below falls	35,000	0.0000	0.0000	0.0000	0.0020	0.0560	0.0000	0.0140	0.7400	0.0060	0.0000	0.1570	0.0200	0.0000	0.0050	0.0000	1.0000
confluence of Russian River	0	0.0000	0.0000	0.0000	0.0020	0.0560	0.0000	0.0140	0.7400	0.0060	0.0000	0.1570	0.0200	0.0000	0.0050	0.0000	1.0000
other Hidden & Skilak	500	0.0000	0.0000	0.0000	0.8922	0.0000	0.0000	0.0627	0.0451	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000
Kasilof River																	
mainstem below sonar	3,000	0.0000	0.0000	0.0000	0.2967	0.0010	0.0000	0.3382	0.2666	0.0000	0.0021	0.0944	0.0010	0.0000	0.0000	0.0000	1.0000
mainstem above sonar	1,000	0.0000	0.0000	0.0000	0.2967	0.0010	0.0000	0.3382	0.2666	0.0000	0.0021	0.0944	0.0010	0.0000	0.0000	0.0000	1.0000
egg take	9,914	0.0000	0.0000	0.0000	0.2967	0.0010	0.0000	0.3382	0.2666	0.0000	0.0021	0.0944	0.0010	0.0000	0.0000	0.0000	1.0000
#		0	0	0	2,941	10	0	3,353	2,643	0	21	936	10	0	0	0	9,914
Crescent	0	0.0000	0.0000	0.0000	0.2138	0.0011	0.0000	0.3937	0.0921	0.0000	0.0043	0.2928	0.0000	0.0011	0.0011	0.0000	1.0000
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Packers Creek																	
egg take	0	0.0000	0.0000	0.0000	0.0570	0.0457	0.0000	0.0114	0.7566	0.0000	0.0000	0.1255	0.0038	0.0000	0.0000	0.0000	1.0000
cost recovery	16,643	0.0000	0.0000	0.0000	0.0570	0.0457	0.0000	0.0114	0.7566	0.0000	0.0000	0.1255	0.0038	0.0000	0.0000	0.0000	1.0000
		0	0	0	949	761	0	190	12,592	0	0	2,089	63	0	0	0	16,643
sport	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
McArthur	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Chakachatna	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fish Creek	100	0.0000	0.1164	0.0000	0.7499	0.0096	0.0000	0.0248	0.0859	0.0000	0.0019	0.0096	0.0019	0.0000	0.0000	0.0000	1.0000
Other	7,000	0.0010	0.0000	0.0146	0.1330	0.0000	0.0000	0.5973	0.0942	0.0000	0.0053	0.1512	0.0015	0.0010	0.0009	0.0000	1.0000

Appendix A. 1999 (continued)

Adjusted percent for all systems included.

River System	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
Susitna	97.063	0.000	53.198	12.395	0.000	0.000	10.887	5.386	0.000	21.712	8.002	0.000	0.000	0.000	0.000	208.644
Sunshine																
Yentna																
Other																
Kenai	0.000	0.000	21.772	41.053	94.566	0.000	59.363	54.093	100.000	50.678	48.280	92.808	83.009	0.000	0.000	645.643
Kasilof	0.000	0.000	0.000	29.295	2.800	0.000	13.203	31.294	0.000	9.452	17.378	3.557	0.000	0.000	0.000	106.979
Crescent	0.000	0.000	0.000	3.898	0.569	0.000	2.838	1.996	0.000	3.573	9.952	0.000	4.365	27.877	0.000	55.068
Packers	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
McArthur	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Chakachatna	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fish Creek	0.000	100.000	0.000	5.891	2.066	0.000	0.074	0.775	0.000	0.657	0.136	0.520	0.000	0.000	0.000	109.919
Other	2.937	0.000	25.030	7.667	0.000	0.000	13.614	6.456	0.000	13.927	16.251	3.115	12.606	72.123	0.000	173.727
	100.000	100.000	100.000	100.000	100.000	0.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	0.000	

Adjusted percent for Susitna, Kenai, Kasilof, Fish Creek, and Other

River System	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
Susitna	97.063	0.000	53.198	12.898	0.000	0.000	11.205	5.496	0.000	22.517	8.887	0.000	0.000	0.000	0.000	211.263
Sunshine																
Yentna																
Other																
Kenai	0.000	0.000	21.772	42.719	95.107	0.000	61.118	55.194	100.000	52.558	53.616	92.808	88.816	0.000	0.000	881.708
Kasilof	0.000	0.000	0.000	30.464	2.816	0.000	13.588	31.932	0.000	9.802	19.299	3.557	0.000	0.000	0.000	111.477
Crescent																
Packers																
McArthur																
Chakachatna																
Fish Creek	0.000	100.000	0.000	5.922	2.078	0.000	0.077	0.791	0.000	0.662	0.151	0.520	0.000	0.000	0.000	110.219
Other	2.937	0.000	25.030	7.978	0.000	0.000	14.012	6.587	0.000	14.444	18.047	3.115	13.184	100.000	0.000	205.334
	100.000	100.000	100.000	100.000	100.000	0.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	0.000	

Adjusted percent for Kenai and Kasilof only.

River System	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
Susitna																
Sunshine																
Yentna																
Other																
Kenai	0.000	0.000	100.000	58.357	97.125	0.000	81.811	83.350	100.000	84.281	73.533	96.309	100.000	0.000	0.000	854.765
Kasilof	0.000	0.000	0.000	41.643	2.875	0.000	18.189	36.650	0.000	15.719	26.467	3.691	0.000	0.000	0.000	145.235
Crescent																
Packers																
McArthur																
Chakachatna																
Fish Creek																
Other																
	0.000	0.000	100.000	100.000	100.000	0.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	0.000	0.000	

Adjusted percent for Susitna, Fish Creek, and Other

River System	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
Susitna	97.063	0.000	68.004	48.129	0.000	0.000	44.301	42.688	0.000	59.819	32.811	0.000	0.000	0.000	0.000	392.815
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Packers																
McArthur																
Chakachatna																
Fish Creek	0.000	100.000	0.000	22.099	100.000	0.000	0.303	6.143	0.000	1.811	0.557	14.292	0.000	0.000	0.000	245.204
Other	2.937	0.000	31.996	29.772	0.000	0.000	55.396	51.169	0.000	38.371	66.632	85.708	100.000	100.000	0.000	561.981
	100.000	100.000	100.000	100.000	100.000	0.000	100.000	100.000	0.000	100.000	100.000	100.000	100.000	100.000	0.000	

Appendix A. 1999 (continued)

Commercial Catch:

Drift	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	1,373	0	10,984	24,260	0	0	94,656	7,321	0	1,688	19,003	0	0	0	0	159,286
Sunshine																
Yentna																
Other																
Kenai	0	0	4,496	80,362	0	0	516,288	73,532	0	3,939	114,652	1,969	1,228	0	0	796,467
Kasilof	0	0	0	57,339	0	0	114,797	42,541	0	736	41,268	76	0	0	0	256,744
Crescent																
																0
Fish Creek	0	0	0	11,139	0	0	647	1,064	0	51	323	11	0	0	0	13,224
Other	42	0	5,168	16,007	0	0	118,363	8,776	0	1,083	38,592	68	186	1,273	0	188,556
Total	1,414	0	20,648	188,098	0	0	844,742	133,224	0	7,496	213,837	2,121	1,414	1,273	0	1,414,267
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Salamatof	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Sunshine																
Yentna																
Other																
Kenai	0	0	391	17,733	253	0	99,544	26,080	0	961	16,646	293	478	0	0	161,368
Kasilof	0	0	0	12,654	7	0	22,132	14,509	0	177	5,992	11	0	0	0	55,483
Crescent																
Fish Creek																
Other																
Total	0	0	391	30,386	260	0	121,676	39,589	0	1,129	22,638	304	478	0	0	216,851
remainder	22	0	0	0	0	0	0	0	0	0	0	0	0	174	0	196

Kalifonsky	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna																
Sunshine																
Yentna																
Other																
Kenai	0	0	346	37,701	0	0	149,610	37,630	0	1,016	25,919	133	861	0	0	253,114
Kasilof	0	0	0	26,903	0	0	33,241	21,770	0	190	9,329	5	0	0	0	91,438
Crescent																
Fish Creek																
Other																
Total	0	0	346	64,604	0	0	182,760	59,401	0	1,206	35,248	138	861	0	0	344,552
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Cohoe/Ninilchik	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna																
Sunshine																
Yentna																
Other																
Kenai	0	0	372	75,498	0	0	201,555	55,331	0	1,119	36,881	0	53	0	0	360,810
Kasilof	0	0	0	53,875	0	0	44,812	37,796	0	209	13,275	0	0	0	0	149,967
Crescent																
Fish Creek																
Other																
Total	0	0	372	129,373	0	0	246,368	103,127	0	1,328	50,156	0	53	0	0	530,777
remainder	159	0	0	0	0	0	0	0	0	0	0	0	0	372	0	531

Western	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna																
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent	0	10,160	0	0	0	0	18,763	6,057	0	0	14,461	0	0	0	0	49,441
Fish Creek																
Other																
Total	0	10,160	0	0	0	0	18,763	6,057	0	0	14,461	0	0	0	0	49,441
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Kuskokwim	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	26	0	91	504	0	0	1,026	104	0	18	463	0	0	0	0	2,231
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Fish Creek	0	0	0	231	0	0	7	15	0	1	8	0	0	0	0	262
Other	1	0	43	312	0	0	1,283	124	0	11	940	0	0	5	0	2,719
Total	27	0	134	1,047	0	0	2,316	243	0	30	1,411	0	0	5	0	5,212
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Kalgin Island	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	57	0	459	1,014	0	0	3,955	306	0	71	794	0	0	0	0	6,655
Sunshine																
Yentna																
Other																
Kenai	0	0	188	3,357	0	0	21,572	3,072	0	165	4,790	82	51	0	0	33,278
Kasilof	0	0	0	2,396	0	0	4,796	1,777	0	31	1,724	3	0	0	0	10,727
Crescent																
Fish Creek	0	0	0	465	0	0	27	44	0	2	13	0	0	0	0	553
Other	2	0	216	627	0	0	4,946	367	0	45	1,612	3	8	53	0	7,878
Total	59	0	863	7,859	0	0	35,296	5,566	0	313	8,935	89	59	53	0	58,092
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Chinitna Bay	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	1	0	6	12	0	0	47	4	0	1	10	0	0	0	0	80
Sunshine																
Yentna																
Other																
Kenai	0	0	2	40	0	0	259	37	0	2	57	1	1	0	0	399
Kasilof	0	0	0	29	0	0	58	21	0	0	21	0	0	0	0	129
Crescent																
Fish Creek	0	0	0	6	0	0	0	1	0	0	0	0	0	0	0	7
Other	0	0	3	8	0	0	59	4	0	1	19	0	0	1	0	95
Total	1	0	10	94	0	0	423	67	0	4	107	1	1	1	0	709
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

General - Knik Arm	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	184	0	649	3,587	0	0	7,307	738	0	127	3,297	0	0	0	0	15,889
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Fish Creek	0	0	0	1,647	0	0	50	106	0	4	56	0	0	0	0	1,863
Other	6	0	305	2,219	0	0	9,138	885	0	81	6,695	0	0	37	0	19,365
Total	189	0	954	7,453	0	0	16,495	1,730	0	212	10,048	0	0	37	0	37,117
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Eastern	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	139	0	451	3,767	0	0	2,584	2,573	0	28	420	0	0	0	0	9,962
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Fish Creek	0	0	0	1,730	0	0	18	370	0	1	7	20	0	0	0	2,146
Other	4	0	212	2,330	0	0	3,231	3,084	0	18	853	122	0	0	0	9,855
Total	143	0	663	7,828	0	0	5,833	6,027	0	46	1,280	143	0	0	0	21,963
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Knik Arm	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna																
Sunshine																
Yentna																
Other																
Kenai																
Kasilof																
Crescent																
Fish Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other																
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

remainders Drift	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total	Drift
Susitna	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Sunshine																	
Yentna																	
Other																	
Kenai	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Kasilof	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Crescent																	
Packers																	
McArthur																	
Chakachatna																	
Fish Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Remainer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Salamatof	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total	Salamatof
Susitna	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	
Sunshine																	
Yentna																	
Other																	
Kenai	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Kasilof	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Crescent																	
Packers																	
McArthur																	
Chakachatna																	
Fish Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Other	1	0	0	0	0	0	0	0	0	0	0	0	0	174	0	174	
Total	22	0	0	0	0	0	0	0	0	0	0	0	0	174	0	195	195
Remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Kalifonsky	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total	Kalifonsky
Susitna	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Sunshine																	
Yentna																	
Other																	
Kenai	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Kasilof	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Crescent																	
Packers																	
McArthur																	
Chakachatna																	
Fish Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Cohoe/Ninilchik	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total	Cohoe/Ninilchik
Susitna	155	0	0	0	0	0	0	0	0	0	0	0	0	0	0	155	
Sunshine																	
Yentna																	
Other																	
Kenai	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Kasilof	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Crescent																	
Packers																	
McArthur																	
Chakachatna																	
Fish Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Other	5	0	0	0	0	0	0	0	0	0	0	0	0	372	0	377	
Total	159	0	0	0	0	0	0	0	0	0	0	0	0	372	0	531	531
Remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Kalgin Island East	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total	Kalgin Island East
Susitna																	
Sunshine																	
Yentna																	
Other																	
Kenai																	
Kasilof																	
Crescent																	
Packers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
McArthur																	
Chakachatna																	
Fish Creek																	
Other																	
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Kalgin Island West	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total	Kalgin Island West
Susitna																	
Sunshine																	
Yentna																	
Other																	
Kenai																	
Kasilof																	
Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Packers																	
McArthur																	
Chakachatna																	
Fish Creek																	
Other																	
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix A. 1999 (continued)

Summary worksheet for deriving returns by river system using escapement age composition.

River System	Total Escapement	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
		#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	
Susitna	193,107	6,952	0	6,527	45,226	0	0	100,473	16,530	0	1,738	15,661	0	0	0	0	193,107
Sunshine	94,078	3,387	0	3,180	22,033	0	0	48,949	8,053	0	847	7,630	0	0	0	0	94,078
Yentna	99,029	3,565	0	3,347	23,193	0	0	51,525	8,477	0	891	8,031	0	0	0	0	99,029
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kenai	803,379	0	0	2,169	121,632	9,882	0	444,992	134,807	1,125	3,294	76,723	7,632	1,125	0	0	803,379
Kasilof	312,587	0	0	0	92,745	313	0	105,717	83,336	0	656	29,508	313	0	0	0	312,587
Crescent	66,519	0	0	0	14,222	73	0	26,189	6,126	0	286	19,477	0	73	73	0	66,519
																	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fish Creek	26,691	0	3,107	0	20,016	256	0	662	2,293	0	51	256	51	0	0	0	26,691
Other	210,342	210	0	3,071	27,976	0	0	125,638	19,814	0	1,115	31,804	316	210	189	0	210,342
Total	1,612,625	7,162	3,107	11,767	321,815	10,524	0	803,670	262,906	1,125	7,140	173,429	8,311	1,408	262	0	1,612,625

Fishery	Commercial Harvest	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
		#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
Drift	1,414,267	1,414	0	20,648	188,098	0	0	844,742	133,224	0	7,496	213,837	2,121	1,414	1,273	0	1,414,267
Salamatof	217,046	22	0	391	30,386	260	0	121,676	39,589	0	1,129	22,638	304	478	174	0	217,046
Kalifonsky	344,552	0	0	345	64,604	0	0	182,750	59,401	0	1,206	35,248	138	861	0	0	344,552
Cohoe/Ninilchik	531,308	159	0	372	129,373	0	0	246,368	103,127	0	1,328	50,155	0	53	372	0	531,308
Western	49,441	0	10,160	0	0	0	0	18,763	6,057	0	0	14,461	0	0	0	0	49,441
Kustatan	5,212	27	0	134	1,047	0	0	2,316	243	0	30	1,411	0	0	5	0	5,212
Kalgin Island	59,092	59	0	863	7,859	0	0	35,296	5,566	0	313	8,935	89	59	53	0	59,092
Chinitna Bay	709	1	0	10	94	0	0	423	67	0	4	107	1	1	1	0	709
General	37,117	189	0	954	7,453	0	0	16,495	1,730	0	212	10,048	0	0	37	0	37,117
Eastern	21,963	143	0	663	7,828	0	0	5,833	6,027	0	46	1,280	143	0	0	0	21,963
Knik Arm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	2,680,707	2,014	10,160	24,380	436,742	260	0	1,474,662	355,030	0	11,763	358,121	2,796	2,866	1,915	0	2,680,707

Total UCI Comm. Harvest	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	1,955	0	12,840	33,144	0	0	109,576	11,046	0	1,931	23,987	0	0	0	0	194,278
Sunshine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Yentna	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Kenai	0	0	5,793	214,882	253	0	988,728	204,883	0	7,193	198,946	2,477	2,672	0	0	1,625,426
Kasilof	0	0	0	153,195	7	0	219,825	116,415	0	1,342	71,808	95	0	0	0	564,488
Crescent	0	10,180	0	0	0	0	18,783	6,057	0	0	14,481	0	0	0	0	49,441
Fish Creek	0	0	0	15,218	0	0	749	1,589	0	58	407	32	0	0	0	18,054
Other	59	0	5,947	20,502	0	0	137,020	13,240	0	1,239	48,712	191	194	1,915	0	229,019
Total	2,014	10,180	24,380	436,742	260	0	1,474,662	355,030	0	11,763	358,121	2,796	2,866	1,915	0	2,680,707

Total UCI Escapement	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	6,952	0	8,527	45,228	0	0	100,473	16,530	0	1,738	15,661	0	0	0	0	193,107
Sunshine	3,387	0	3,180	22,033	0	0	48,949	6,053	0	847	7,630	0	0	0	0	94,076
Yentna	3,565	0	3,347	23,193	0	0	51,525	8,477	0	891	8,031	0	0	0	0	99,029
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kenai	0	0	2,169	121,632	9,882	0	444,992	134,807	1,125	3,294	76,723	7,632	1,125	0	0	803,379
Kasilof	0	0	0	92,745	313	0	105,717	83,336	0	656	29,506	313	0	0	0	312,567
Crescent	0	0	0	14,222	73	0	28,189	6,126	0	286	19,477	0	73	73	0	68,519
Fish Creek	0	3,107	0	20,016	256	0	662	2,293	0	51	266	51	0	0	0	26,691
Other	210	0	3,071	27,976	0	0	126,838	19,814	0	1,115	31,804	318	210	189	0	210,342
Total	7,162	3,107	11,767	321,815	10,524	0	803,670	262,906	1,125	7,140	173,429	8,311	1,408	262	0	1,612,625

Total UCI Personal Use, Sport & Sub. Harvest	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna River Total PU	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PU (Tyonek,Ostrovl,Kustatan)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
eastside sport	184	0	172	1,194	0	0	2,652	436	0	46	413	0	0	0	0	5,098
westside sport	95	0	89	815	0	0	1,368	225	0	24	213	0	0	0	0	2,826
Total Sport	278	0	261	1,809	0	0	4,019	661	0	70	626	0	0	0	0	7,724
Kenai River	0	0	907	51,387	6,093	0	188,633	82,304	680	1,376	37,583	3,892	470	175	0	371,502
PU & Sub (includes Eastern)	0	0	387	20,591	1,673	0	75,332	22,821	190	558	12,988	1,292	190	0	0	136,002
mainstem sport below sonar	0	0	135	7,570	615	0	27,895	6,390	70	205	4,775	475	70	0	0	50,000
mainstem sport above sonar	0	0	405	22,710	1,845	0	83,085	25,170	210	815	14,325	1,425	210	0	0	150,000
Russian sport below falls	0	0	0	70	1,960	0	480	25,900	210	0	5,495	700	0	175	0	35,000
confluence of Russian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other Hidden & Skilak	0	0	0	446	0	0	31	23	0	0	0	0	0	0	0	500
Kasilof River	0	0	0	14,443	49	0	16,463	12,978	0	102	4,595	49	0	0	0	48,678
PU & Sub	0	0	0	13,256	45	0	15,110	11,911	0	94	4,216	45	0	0	0	44,878
mainstem sport below sonar	0	0	0	890	3	0	1,015	800	0	8	283	3	0	0	0	3,000
mainstem sport above sonar	0	0	0	297	1	0	338	267	0	2	94	1	0	0	0	1,000
Crescent River (Western)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Packers Creek (Kalgin)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
McArthur sport	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chakachatna sport	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fish Creek	0	116	0	750	10	0	25	86	0	2	10	2	0	0	0	1,000
PU & Sub	0	105	0	675	9	0	22	77	0	2	9	2	0	0	0	900
sport	0	12	0	75	1	0	2	9	0	0	1	0	0	0	0	100
Other	10	52	124	2,216	1	0	7,484	1,802	0	60	1,817	14	15	10	0	13,604
Northern & Central PU																
Total	10	188	1,031	68,796	6,152	0	210,604	97,169	680	1,541	44,005	3,957	485	185	0	434,784

UCI Total Return	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	8,906	0	19,167	78,370	0	0	210,049	27,576	0	3,669	39,646	0	0	0	0	367,365
Kenai	0	0	6,484	364,474	12,422	0	1,536,747	370,701	1,305	11,249	293,431	11,877	4,057	0	0	2,614,807
Kasilof	0	0	0	260,086	368	0	341,867	214,462	0	2,096	105,617	455	0	0	0	924,753
Crescent	0	10,180	0	14,222	73	0	44,951	12,183	0	286	33,936	0	73	73	0	115,960
Packers	0	0	0	949	761	0	190	12,592	0	0	2,089	63	0	0	0	16,643
McArthur	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chakachatna	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fish Creek	0	3,212	0	35,909	265	0	1,433	3,960	0	111	672	64	0	0	0	45,645
Other	280	52	9,142	50,694	1	0	270,141	34,856	0	2,413	82,333	521	419	2,114	0	452,966
Total	9,186	13,423	36,773	804,703	13,890	0	2,405,179	676,329	1,385	19,827	557,728	13,000	4,549	2,187	0	4,558,159

Summary of commercial and personal use harvest and escapement by river system, Upper Cook Inlet, Alaska, 1999

	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna:																
comm. harvest	1,955	0	12,640	33,144	0	0	109,576	11,046	0	1,831	23,987	0	0	0	0	194,278
spawners	6,674	0	6,266	43,417	0	0	96,455	15,869	0	1,868	15,035	0	0	0	0	185,383
other	278	0	261	1,809	0	0	4,019	661	0	70	626	0	0	0	0	7,724
Total	8,906	0	19,167	78,370	0	0	210,049	27,576	0	3,669	39,648	0	0	0	0	387,386
Kenai:																
comm. harvest	0	0	5,793	214,682	253	0	988,728	204,683	0	7,193	198,946	2,477	2,672	0	0	1,625,426
spawners	0	0	1,764	98,405	6,077	0	361,385	83,714	705	2,679	56,903	5,507	915	(175)	0	618,054
other	0	0	907	51,387	6,093	0	186,633	82,304	680	1,378	37,583	3,892	470	175	0	371,327
Total	0	0	8,464	364,474	12,422	0	1,536,747	370,701	1,385	11,249	293,431	11,877	4,057	0	0	2,614,807
Kasilof :																
comm. harvest	0	0	0	153,195	7	0	219,825	118,415	0	1,342	71,608	95	0	0	0	564,488
spawners	0	0	0	89,506	302	0	102,026	80,426	0	634	28,478	302	0	0	0	301,673
other	0	0	0	17,384	59	0	19,816	15,621	0	123	5,531	59	0	0	0	58,592
Total	0	0	0	260,086	368	0	341,667	214,462	0	2,098	105,617	455	0	0	0	924,753
Crescent:																
comm. harvest	0	10,160	0	0	0	0	18,763	6,057	0	0	14,461	0	0	0	0	49,441
spawners	0	0	0	14,222	73	0	26,189	6,126	0	286	19,477	0	73	73	0	66,519
other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	10,160	0	14,222	73	0	44,951	12,183	0	286	33,938	0	73	73	0	115,960

Summary of commercial and personal use harvest and escapement by river system, Upper Cook Inlet, Alaska, 1999

	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Fish Creek:																
comm. harvest	0	0	0	15,218	0	0	749	1,589	0	58	407	32	0	0	0	18,054
spawners	0	3,095	0	19,941	255	0	659	2,284	0	51	255	51	0	0	0	26,591
other	0	116	0	750	10	0	25	86	0	2	10	2	0	0	0	1,000
Total	0	3,212	0	35,909	265	0	1,433	3,960	0	111	672	84	0	0	0	45,645
Other:																
comm. harvest	59	0	5,947	20,502	0	0	137,020	13,240	0	1,239	48,712	191	194	1,915	0	229,019
spawners	210	0	3,071	27,976	0	0	125,638	19,814	0	1,115	31,804	316	210	189	0	210,342
other	10	52	124	3,165	762	0	7,673	14,394	0	60	3,906	77	15	10	0	30,247
Total	280	52	9,142	51,643	762	0	270,331	47,448	0	2,413	84,421	584	419	2,114	0	469,609
UCI Total:																
comm. harvest	2,014	10,160	24,380	436,742	260	0	1,474,662	355,030	0	11,763	358,121	2,796	2,866	1,915	0	2,680,707
spawners	6,884	3,095	11,101	293,486	6,707	0	712,351	208,234	705	6,432	151,951	6,175	1,198	87	0	1,408,387
other	288	168	1,292	74,495	6,923	0	218,166	113,065	680	1,832	47,656	4,030	485	185	0	469,065
Grand Total	9,186	13,423	36,773	804,703	13,890	0	2,405,179	676,329	1,385	19,827	557,728	13,000	4,549	2,187	0	4,558,159
Exploitation Rate				0.635			0.704	0.692			0.728					0.691

Summary of exploitation rates by river system, Upper Cook Inlet, Alaska, 1999

	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna:																
Total	0.251		0.673	0.446			0.541	0.425		0.545	0.621					0.521
Kenai:																
Total			0.792	0.730	0.511		0.765	0.774	0.491	0.762	0.806	0.536	0.775			0.764
Kasilof :																
Total				0.656	0.180		0.701	0.625		0.698	0.730	0.337				0.674
Crescent:																
Total		1.000		0.000	0.000		0.417	0.497		0.000	0.426		0.000	0.000		0.426
Fish Creek:																
Total		0.036		0.445	0.036		0.540	0.423		0.544	0.620	0.401				0.417
Other:																
Total	0.248	1.000	0.664	0.458	1.000		0.535	0.562		0.538	0.623	0.460	0.498	0.910		0.552
UCI Total:																
Grand Total	0.251	0.769	0.698	0.635	0.517		0.704	0.692	0.491	0.676	0.728	0.525	0.737	0.960		0.691

99	1	1	1955	0	12640	33144	0	0	109576	11046	0	1931	23987	0	0	0	0	194278
99	1	2	6674	0	6266	43417	0	0	96455	15869	0	1668	15035	0	0	0	0	185383
99	1	3	278	0	261	1809	0	0	4019	661	0	70	626	0	0	0	0	7724
99	2	1	0	0	5793	214682	253	0	988728	204683	0	7193	198946	2477	2672	0	0	1625426
99	2	2	0	0	1764	98405	6077	0	361385	83714	705	2679	56903	5507	915	0	0	618054
99	2	3	0	0	907	51387	6093	0	186633	82304	680	1378	37583	3892	470	0	0	371327
99	3	1	0	0	0	153195	7	0	219825	118415	0	1342	71608	95	0	0	0	564488
99	3	2	0	0	0	89506	302	0	102026	80426	0	634	28478	302	0	0	0	301673
99	3	3	0	0	0	17384	59	0	19816	15621	0	123	5531	59	0	0	0	58592
99	4	1	0	10160	0	0	0	0	18763	6057	0	0	14461	0	0	0	0	49441
99	4	2	0	0	0	14222	73	0	26189	6126	0	286	19477	0	73	73	0	66519
99	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99	6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99	6	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99	8	1	0	0	0	15218	0	0	749	1589	0	58	407	32	0	0	0	18054
99	8	2	0	3095	0	19941	255	0	659	2284	0	51	255	51	0	0	0	26591
99	8	3	0	116	0	750	10	0	25	86	0	2	10	2	0	0	0	1000
99	9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99	9	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99	9	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99	10	1	59	0	5947	20502	0	0	137020	13240	0	1239	48712	191	194	1915	0	229019
99	10	2	210	0	3071	27976	0	0	125638	19814	0	1115	31804	316	210	189	0	210342
99	10	3	10	52	124	3165	762	0	7673	14394	0	60	3906	77	15	10	0	30247

Appendix A. 1999 (continued)

HIDDEN LAKE F1 ESCAPEMENT, COMM. CATCH AND TOTAL RETURN 1978-1999

				Exploitation Rate			Age Composition (#) (E)			Total Return			Commercial Catch (C)		
Return Year	Hidden Esc	Hatchery Proportion	Hidden Enhanced Esc	Age1.2	Age1.3	Age2.2	Age1.2	Age1.3	Age2.2	Age1.2	Age1.3	Age2.2	Age1.2	Age1.3	Age2.2
1978	4,647	0	0						0	0	0	0	0	0	0
1979	5,762	0	0						0	0	0	0	0	0	0
1980	27,488	0.53	14,569	0.596	0.703	0.746	13,403	146	1,020	33,176	491	4,015	19,773	345	2,995
1981	15,939	0.5	7,970	0.557	0.594	0.783	6,216	1,195	558	14,032	2,944	2,571	7,816	1,749	2,013
1982	9,790	0.03	294	0.723	0.778	0.719	206	68	21	742	304	73	537	237	53
1983	11,297	0	0				0	0	0	0	0	0	0	0	0
1984	27,784	0	0				0	0	0	0	0	0	0	0	0
1985	24,784	0	0				0	0	0	0	0	0	0	0	0
1986	17,530	0.58	10,167	0.818	0.862	0.873	8,642	915	610	47,485	6,631	4,803	38,843	5,716	4,193
1987	43,487	0.75	32,615	0.735	0.850	0.873	31,311	978	326	118,153	6,523	2,568	86,843	5,545	2,242
1988	50,907	0.78	39,707	0.800	0.852	0.896	37,325	1,588	794	186,625	10,732	7,636	149,300	9,143	6,842
1989	7,770	0	0						0	0	0	0	0	0	0
1990	77,959	0.81	63,147	0.632	0.837	0.862	54,306	1,263	7,578	147,571	7,748	54,910	93,265	6,485	47,333
1991	35,732	0.92	32,873	0.717	0.789	0.890	29,586	2,301	986	104,545	10,906	8,965	74,958	8,605	7,979
1992	32,912	0.61	20,076	0.834	0.905	0.895	16,463	2,610	1,004	99,172	27,473	9,560	82,710	24,863	8,556
1993	11,582	0.58	6,718	0.717	0.839	0.863	5,374	605	739	18,990	3,755	5,394	13,616	3,151	4,655
1994	6,085	0.56	3,408	0.676	0.743	0.701	2,045	1,056	307	6,310	4,110	1,026	4,266	3,054	719
1995	7,542	0.84	6,335	0.697	0.798	0.797	3,991	760	1,584	13,172	3,764	7,802	9,181	3,003	6,218
1996	55,526	0.87	48,308	0.777	0.818	0.864	40,095	3,382	4,831	179,800	18,580	35,520	139,704	15,198	30,690
1997	56,053	0.73	40,919	0.715	0.771	0.779	31,507	7,365	2,046	110,552	32,163	9,258	79,045	24,798	7,212
1998	67,727	0.78	52,827	0.512	0.586	0.581	43,846	7,396	1,585	89,849	17,864	3,782	46,003	10,468	2,198
1999	49,406	0.71	35,078	0.667	0.713	0.637	31,220	2,105	1,754	93,753	7,333	4,832	62,533	5,229	3,078

Year for new data sheet

				Exploitation Rate			Age Composition (#) (E)			Total Return			Commercial Catch (C)		
Return Year	Hidden Esc	Hatchery Proportion	Hidden Enhanced Esc	Age1.2	Age1.3	Age2.2	Age1.2	Age1.3	Age2.2	Age1.2	Age1.3	Ag2.2	Age1.2	Age1.3	Age2.2
1999	49,406	0.71	35,078	0.667	0.713	0.637	31,220	2,105	1,754	93,753	7,333	4,832	62,533	5,229	3,078

Data Out with Hidden Creek Enhanced Added

99	1	1	1955	0	12640	33144	0	0	109576	11046	0	1931	23987	0	0	0	0	194278
99	1	2	6674	0	6266	43417	0	0	96455	15869	0	1668	15035	0	0	0	0	185383
99	1	3	278	0	261	1809	0	0	4019	661	0	70	626	0	0	0	0	7724
99	2	1	0	0	5793	152149	253	0	983500	201605	0	7193	198946	2477	2672	0	0	1554587
99	2	2	0	0	1764	67186	6077	0	359281	81961	705	2679	56903	5507	915	0	0	582976
99	2	3	0	0	907	51387	6093	0	186633	82304	680	1378	37583	3892	470	0	0	371327
99	3	1	0	0	0	153195	7	0	219825	118415	0	1342	71608	95	0	0	0	564488
99	3	2	0	0	0	89506	302	0	102026	80426	0	634	28478	302	0	0	0	301673
99	3	3	0	0	0	17384	59	0	19816	15621	0	123	5531	59	0	0	0	58592
99	4	1	0	10160	0	0	0	0	18763	6057	0	0	14461	0	0	0	0	49441
99	4	2	0	0	0	14222	73	0	26189	6126	0	286	19477	0	73	73	0	66519
99	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99	6	1	0	0	0	62533	0	0	5229	3078	0	0	0	0	0	0	0	70840
99	6	2	0	0	0	31220	0	0	2105	1754	0	0	0	0	0	0	0	35078
99	6	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99	8	1	0	0	0	15218	0	0	749	1589	0	58	407	32	0	0	0	18054
99	8	2	0	3095	0	19941	255	0	659	2284	0	51	255	51	0	0	0	26591
99	8	3	0	116	0	750	10	0	25	86	0	2	10	2	0	0	0	1000
99	9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99	9	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99	9	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99	10	1	59	0	5947	20502	0	0	137020	13240	0	1239	48712	191	194	1915	0	229019
99	10	2	210	0	3071	27976	0	0	125638	19814	0	1115	31804	316	210	189	0	210342
99	10	3	10	52	124	3165	762	0	7673	14394	0	60	3906	77	15	10	0	30247

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